

## Product Data

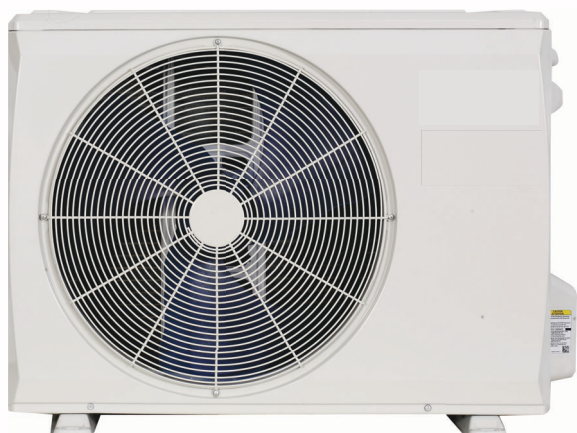


**Fig. 1 — Sizes 06K - 33K**

**NOTE:** Images are for illustration purposes only. Actual models may differ slightly.

### TABLE OF CONTENTS

|                                                                          | Page |
|--------------------------------------------------------------------------|------|
| INDUSTRY LEADING FEATURES / BENEFITS .....                               | 2    |
| A PERFECT BALANCE BETWEEN BUDGET LIMITS, ENERGY SAVINGS AND COMFORT..... | 2    |
| LOW SOUND LEVELS.....                                                    | 2    |
| SECURE OPERATION .....                                                   | 2    |
| FAST INSTALLATION .....                                                  | 2    |
| BUILT-IN RELIABILITY .....                                               | 2    |
| EASY-TO-USE CONTROLS .....                                               | 2    |
| SIMPLE SERVICING AND MAINTENANCE.....                                    | 2    |
| INDIVIDUAL ROOM COMFORT .....                                            | 2    |
| FACTORY INSTALLED CONDENSATE LIFT PUMP .....                             | 2    |
| OPTIONAL WIRED CONTROLLER .....                                          | 2    |
| AGENCY LISTINGS .....                                                    | 2    |
| MODEL NUMBER NOMENCLATURE .....                                          | 3    |
| STANDARD FEATURES AND ACCESSORIES .....                                  | 3    |
| Accessories .....                                                        | 3    |
| Outdoor Units .....                                                      | 3    |
| DIMENSIONS .....                                                         | 4    |
| CLEARANCES .....                                                         | 6    |
| SPECIFICATIONS.....                                                      | 7    |
| PERFORMANCE .....                                                        | 9    |
| HEATING AND COOLING PERFORMANCE .....                                    | 13   |
| HIGH WALL (D5FSHAH).....                                                 | 13   |
| Table 11 – High Wall Cooling Performance (6K) .....                      | 14   |
| Table 12 – High Wall Heating Performance (6K).....                       | 18   |
| Table 13 – High Wall Cooling Performance (9K) .....                      | 20   |
| Table 14 – High Wall Heating Performance (9K).....                       | 24   |
| Table 15 – High Wall Cooling Performance (12K) .....                     | 26   |
| Table 16 – High Wall Heating Performance (12K).....                      | 30   |
| Table 17 – High Wall Cooling Performance (18K) .....                     | 32   |
| Table 18 – High Wall Heating Performance (18K).....                      | 36   |
| Table 19 – High Wall Cooling Performance (24K) .....                     | 38   |

|                                                                       |     |
|-----------------------------------------------------------------------|-----|
| HEATING AND COOLING PERFORMANCE .....                                 | 50  |
| ONE-WAY CASSETTE (D5FSOA).....                                        | 50  |
| HEATING AND COOLING PERFORMANCE .....                                 | 74  |
| FOUR-WAY CASSETTE (D5FSCA).....                                       | 74  |
| HEATING AND COOLING PERFORMANCE .....                                 | 98  |
| CONSOLE (D5FSFA).....                                                 | 98  |
| HEATING AND COOLING PERFORMANCE .....                                 | 116 |
| AIR HANDLER (D5FSAA) .....                                            | 116 |
| HEATING AND COOLING PERFORMANCE .....                                 | 134 |
| High Static Slim Duct (D5FSDA) .....                                  | 134 |
| HEATING AND COOLING PERFORMANCE .....                                 | 158 |
| Low Static Slim Duct (D5FSDA) .....                                   | 158 |
| HEATING AND COOLING PERFORMANCE .....                                 | 182 |
| Ceiling/Floor Console (D5FCFA).....                                   | 182 |
| APPLICATION DATA.....                                                 | 193 |
| Unit Selections.....                                                  | 193 |
| Unit Mounting (Outdoor).....                                          | 193 |
| System Operating Conditions .....                                     | 193 |
| METERING DEVICES.....                                                 | 193 |
| DRAIN CONNECTIONS .....                                               | 193 |
| REFRIGERANT LINES .....                                               | 193 |
| WIRING .....                                                          | 194 |
| Recommended Connection Method for Power and Communication Wiring..... | 194 |
| ELECTRICAL DATA .....                                                 | 194 |
| AIR PRESSURE .....                                                    | 194 |
| SOUND PRESSURE .....                                                  | 194 |
| Outdoor Unit Sound Pressure Test Conditions .....                     | 194 |
| CONNECTION DIAGRAMS.....                                              | 195 |
| WIRING DIAGRAMS .....                                                 | 195 |
| REFRIGERANT CYCLE DIAGRAMS.....                                       | 199 |
| GUIDE SPECIFICATIONS .....                                            | 204 |
| HORIZONTAL DISCHARGE OUTDOOR UNITS.....                               | 204 |
| Part 1 - GENERAL .....                                                | 204 |
| Part 2 - PRODUCTS .....                                               | 204 |

## INDUSTRY LEADING FEATURES / BENEFITS

### A PERFECT BALANCE BETWEEN BUDGET LIMITS, ENERGY SAVINGS AND COMFORT.

The **D5CSHA** series ductless systems are a matched combination of an outdoor condensing unit and an indoor fan coil unit connected only by refrigerant tubing and wires.

The ductless system permits creative solutions to design problems such as:

- Add-ons to current space (an office or family room addition)
- Special space requirements
- When changes in the load cannot be handled by the existing system
- When adding air conditioning to spaces that are heated by hydronic or electric heat and have no ductwork
- Historical renovations or any application where preserving the look of the original structure is essential.

The ideal compliment to your ducted system when it is impractical or prohibitively expensive to use ductwork.

The compact indoor fan coil units take up very little space in the room and do not obstruct windows. The fan coils are attractively styled to blend with most room decors. Advanced system components incorporate innovative technology to provide reliable cooling performance at low sound levels.

### LOW SOUND LEVELS

When noise is a concern, the ductless systems are the answer.

The indoor units are whisper quiet. There are no compressors indoors, either in the conditioned space or directly over it, and there is none of the noise usually generated by air being forced through ductwork.

### SECURE OPERATION

If security is an issue, outdoor and indoor units are connected only

by refrigerant piping and wiring to prevent intruders from crawling through ductwork. In addition, since outdoor units can be installed close to an outside wall, coils are protected from vandals and severe weather.

### FAST INSTALLATION

This compact ductless system is simple to install. A mounting bracket is standard with the indoor units and only wire and piping needs to run between indoor and outdoor units. These units are fast and easy to install ensuring minimal disruption to customers in the home or workplace. This makes the ductless systems the equipment of choice, especially in retrofit situations.

### BUILT-IN RELIABILITY

Ductless system indoor and outdoor units are designed to provide years of trouble-free operation.

The in-ceiling cassette units include protection against freeze-up and high evaporator temperatures on heat pumps.

The condensing units on heat pumps are protected by a three minute time delay before the compressor starts the over-current protection and the high temperature protection. **ECONOMICAL OPERATION**

The ductless system design allows individual room heating or cooling when required. There is no need to run large supply-air fans or chilled water pumps to handle a few spaces with unique load patterns. In addition, because air is moved only in the space

required, no energy is wasted moving air through ducts.

### EASY-TO-USE CONTROLS

The in-ceiling cassette has microprocessor-based controls to provide the ultimate in comfort and efficiency. The user friendly wireless remote control provides the interface between user and the unit.

### SIMPLE SERVICING AND MAINTENANCE

Removing the top panel on outdoor units provides immediate access to the control compartment, providing a service technician access to check unit operation. In addition, the draw-thru design of the outdoor section means that dirt accumulates on the outside surface of the coil. Coils can be cleaned quickly from inside using a pressure hose and detergent.

On all indoor units, service and maintenance expense is reduced due to easy-to-use cleanable filters. In addition, these cassette systems have extensive self-diagnostics to assist in troubleshooting.

### INDIVIDUAL ROOM COMFORT

Maximum comfort is provided because each space can be controlled individually based on usage pattern. The air sweep feature provided permits optimal room air mixing to eliminate hot

and cold spots for occupant comfort. In addition, year-round comfort can be provided with heat pumps.

### FACTORY INSTALLED CONDENSATE LIFT PUMP

Customizing these ductless systems to your application is easily accomplished. The factory installed condensate lift pump on the cassette fan coil unit provides installation flexibility.

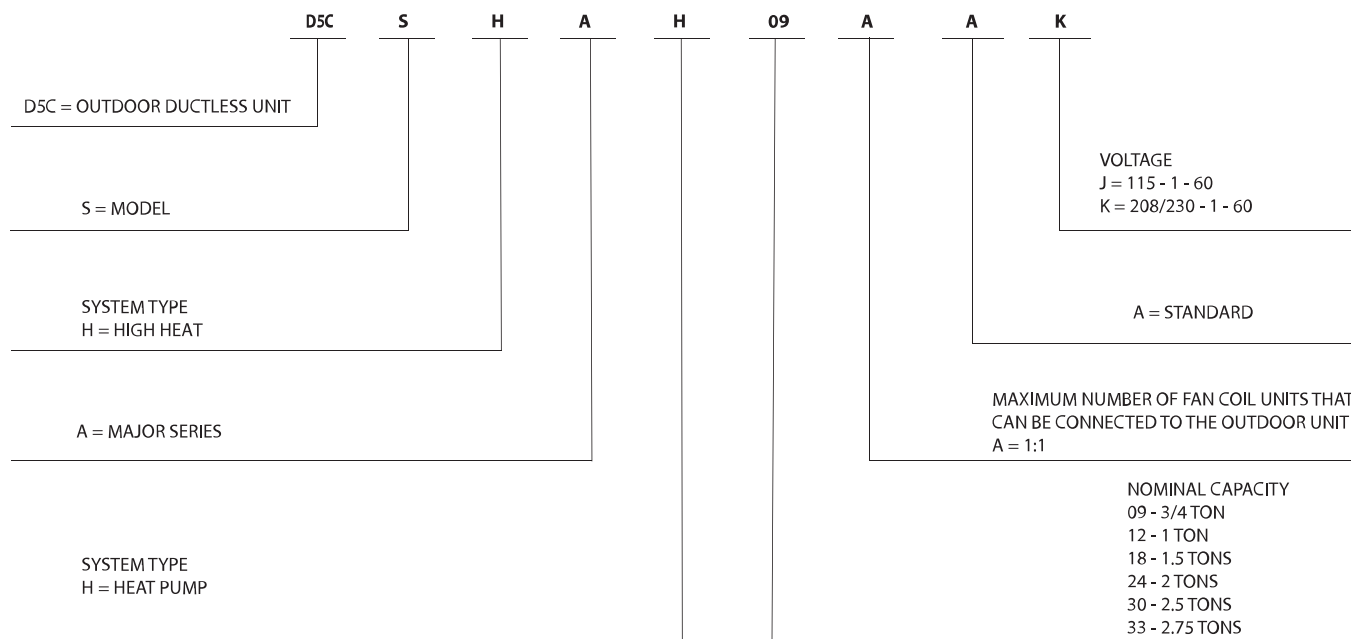
### OPTIONAL WIRED CONTROLLER

### AGENCY LISTINGS

All systems are listed with AHRI (Air Conditioning, Heating & Refrigeration Institute), and ETL.

**WARNING - RISK OF FIRE DUE TO FLAMMABLE REFRIGERANT USED. FOLLOW HANDLING INSTRUCTIONS CAREFULLY IN COMPLIANCE WITH NATIONAL REGULATIONS.**





## STANDARD FEATURES AND ACCESSORIES

|                                                |   |
|------------------------------------------------|---|
| <b>Ease Of Installation</b>                    |   |
| Low Voltage Controls                           | S |
| <b>Comfort Features</b>                        |   |
| Microprocessor Controls                        | S |
| Auto Restart Function                          | S |
| Auto Changeover                                | S |
| <b>Energy Saving Features</b>                  |   |
| Inverter Driven Compressor                     | S |
| 46° F Heating Mode (Heating Setback)           | S |
| <b>Safety And Reliability</b>                  |   |
| 3 Minute Time Delay For Compressor             | S |
| High Compressor Discharge Temperature          | S |
| Low Voltage Protection                         | S |
| Compressor Overload Protection                 | S |
| Compressor Over Current Protection             | S |
| IPM Module Protection                          | S |
| Condenser High Temp Protection in Cooling Mode | S |
| Aluminum Hydrophilic pre-coated fins           | S |
| <b>Ease Of Service And Maintenance</b>         |   |
| Diagnostics                                    | S |
| Liquid Line Pressure Taps                      | S |
| <b>Application Flexibility</b>                 |   |
| Crankcase Heater                               | S |
| Base pan Heater                                | S |

- S - Standard
- A - Accessory

## Accessories

| Outdoor Unit<br>Model Number                 | Base Pan Base Rubber<br>Plugs RCD Part No. | Quantity per Unit |
|----------------------------------------------|--------------------------------------------|-------------------|
| 37MAHAQ06AA3<br>37MAHAQ09AA3<br>37MAHAQ12AA3 | 12600801A00077                             | 13                |
| 37MAHAQ18AA3                                 | 12600801A00077                             | 25                |
| 37MAHAQ24AA3<br>37MAHAQ33AA3                 | 12600801A00117                             | 5                 |

**NOTE: The base pan is built in with multiple holes for proper draining during the defrost process. For applications where it is required to seal these holes, and re-direct the condensate drain, rubber plugs are available through RCD.**

## Outdoor Units

## Crankcase Unit

The crankcase heater is standard on all unit sizes.

### Base pan Heater

The base pan heater is standard on all unit sizes.

DIMENSIONS

Table 1 — Dimensions and Weights

| SYSTEM SIZE  |           | 6K           | 9K           | 12K          | 18K          | 24K           | 33K          |
|--------------|-----------|--------------|--------------|--------------|--------------|---------------|--------------|
|              |           | (208/230V)   |              |              |              |               |              |
| Height (H)   | in (mm)   | 21.85 (555)  | 21.81 (554)  | 21.81 (554)  | 26.50 (673)  | 31.89 (810)   | 31.89(810)   |
| Width (W)    | in (mm)   | 30.12 (765)  | 31.69 (805)  | 31.69 (805)  | 35.04 (890)  | 37.24 (946)   | 37.24(946)   |
| Depth (D)    | in (mm)   | 11.93 (303)  | 12.99 (330)  | 12.99 (330)  | 13.46 (342)  | 16.14 (410)   | 16.14(410)   |
| Weight - Net | lbs. (kg) | 62.17 (28.2) | 72.75 (33.0) | 72.75 (33.0) | 99.87 (45.3) | 130.29 (59.1) | 156.97 (712) |

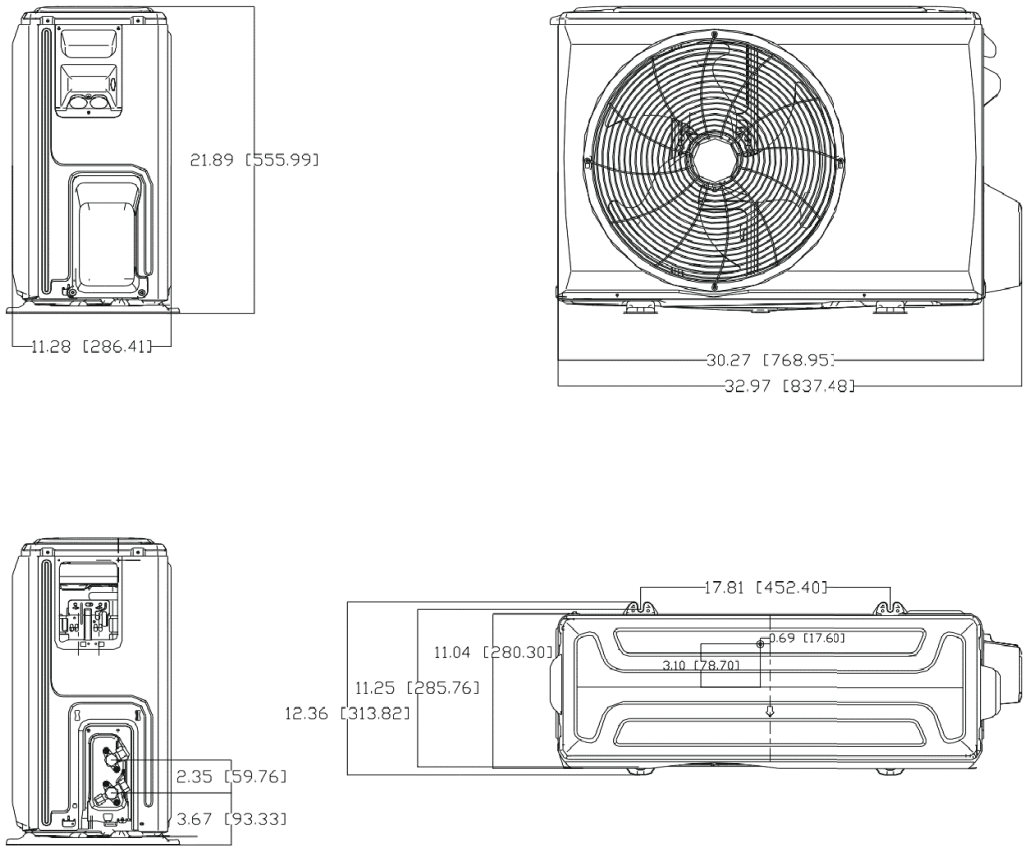


Fig. 2 —Dimension Size 6K

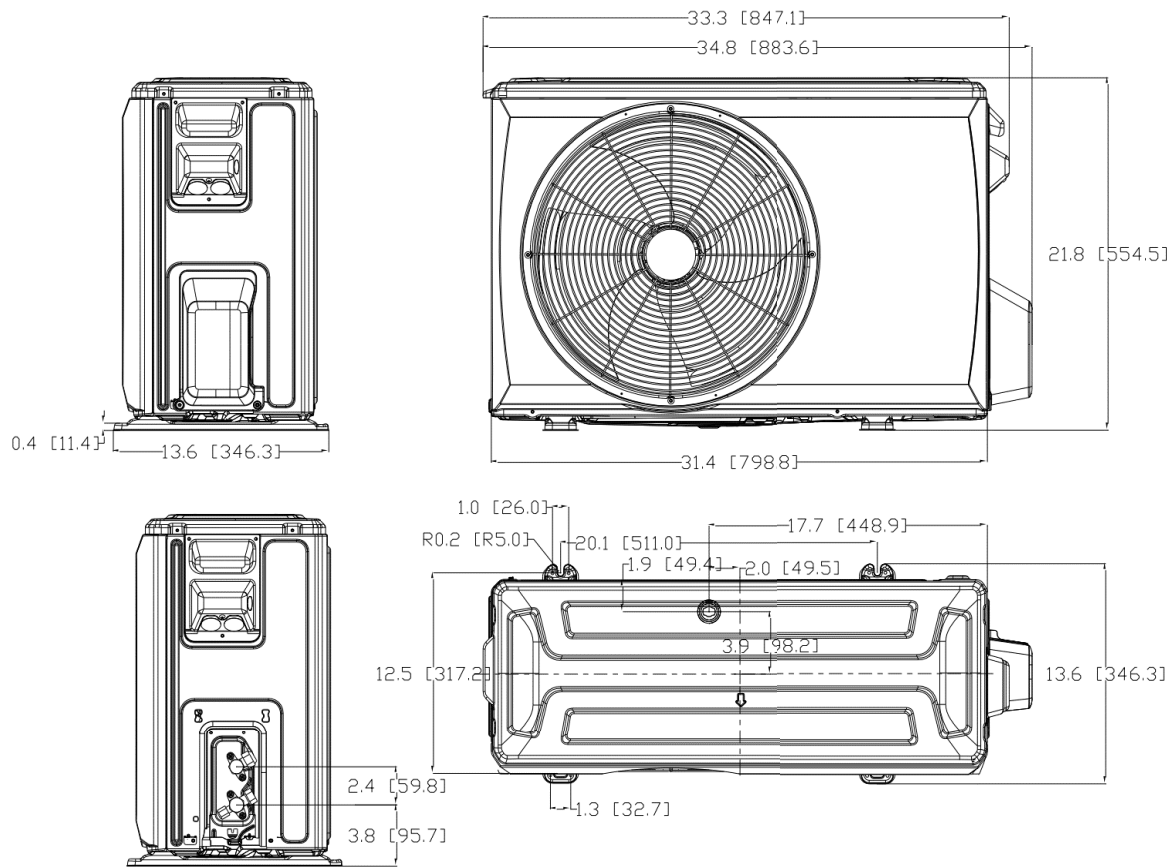


**Fig. 3 —Dimension Sizes 09K-12K**

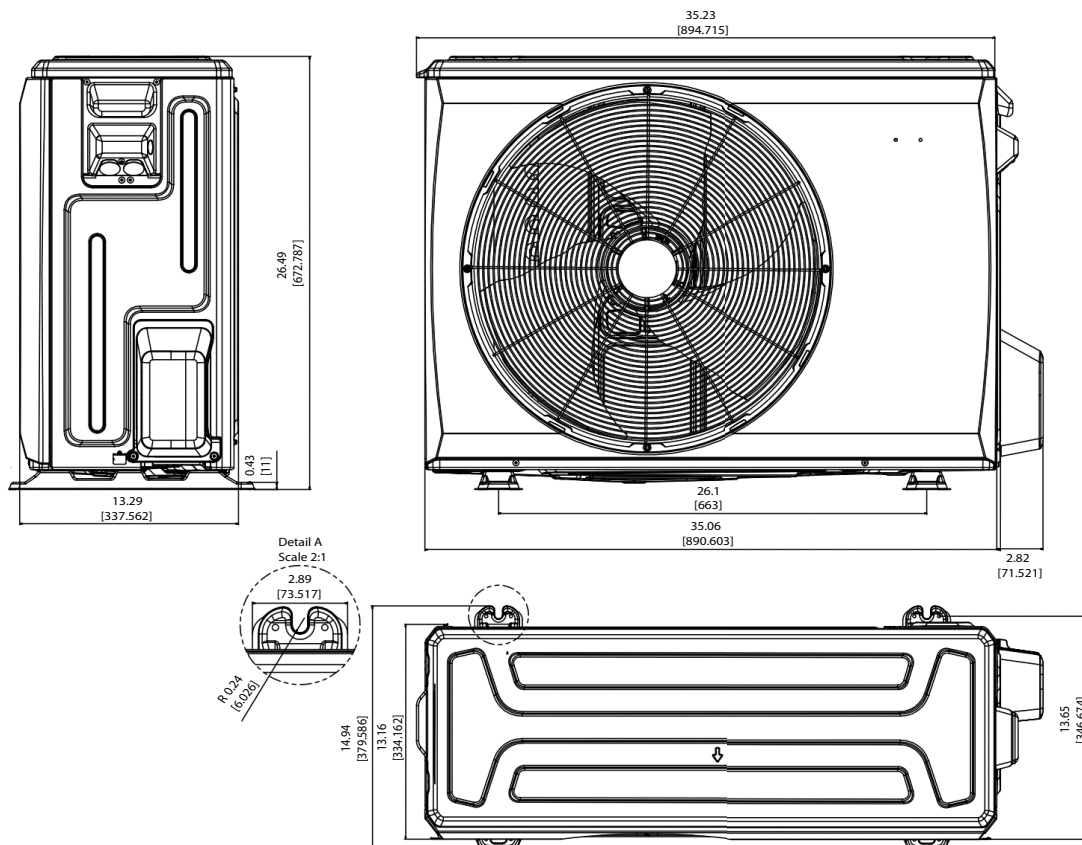


**Fig. 4 —Dimension Size 18K**

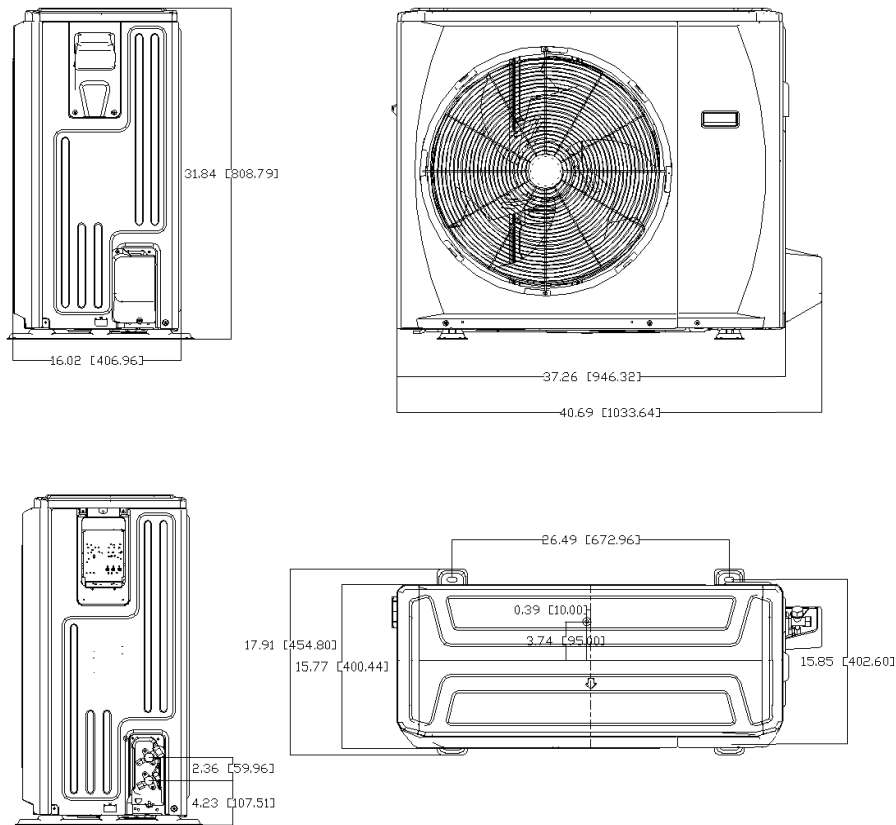


**Fig. 5 —Dimension Sizes 24K - 33K**

## CLEARANCES

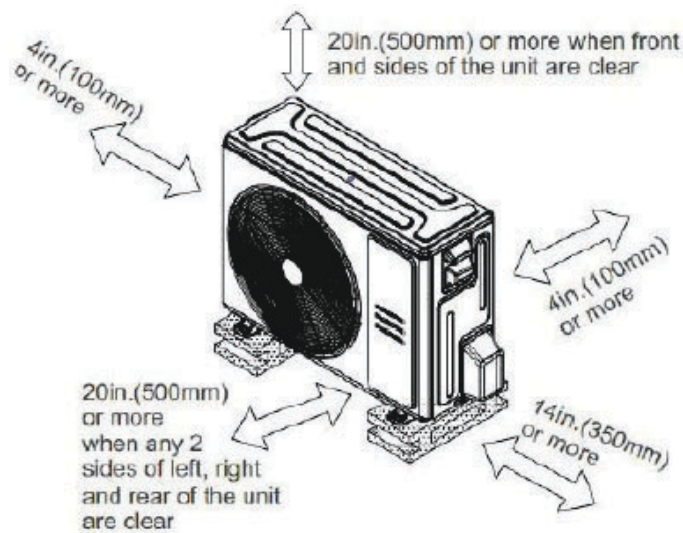


**Fig. 6 – Clearances**

**NOTE:** The outdoor unit must be mounted at least 2in (50mm) above the maximum anticipated snow depth.

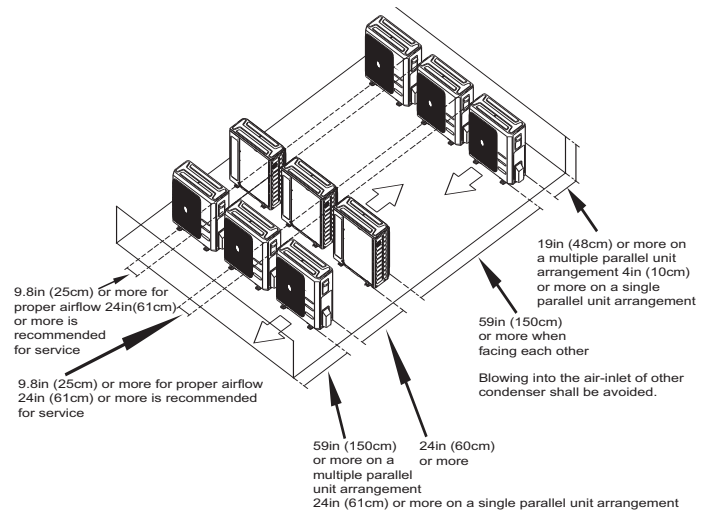


**Fig. 7 – Clearances for multiple units**

# SPECIFICATIONS

## Table 2 — Specifications

| Outdoor Model Size           |                                               |         | 06                           | 09               | 12               | 18                 | 24                | 33              |
|------------------------------|-----------------------------------------------|---------|------------------------------|------------------|------------------|--------------------|-------------------|-----------------|
| Power supply                 |                                               | V;Ph;Hz | 208/230V;1Ph;60HZ            |                  |                  |                    |                   |                 |
| COMPRESSOR SPECIFICATIONS    | Model                                         | -       | KSK103D33UEZ3                | KTN110D42UFZ     | KTN110D42UFZ     | KTM240D46UKT2      | KTM240D46UKT2     | KTF420D62UNT    |
|                              | Type                                          | -       | ROTARY                       | ROTARY           | ROTARY           | ROTARY             | ROTARY            | TWIN-ROTARY     |
|                              | Brand                                         | -       | GMCC                         | GMCC             | GMCC             | GMCC               | GMCC              | GMCC            |
|                              | Capacity                                      | W       | 3255                         | 3465             | 3465             | 7600               | 7600              | 13450           |
|                              |                                               | Btu/h   | 11106                        | 11823            | 11823            | 25931              | 25931             | 45891           |
|                              | Input                                         | W       | 826                          | 885              | 885              | 2045               | 2045              | 3540            |
|                              | Rated current                                 | A       | 5.65                         | 6                | 6                | 9.30               | 9.30              | 6.76            |
|                              | Refrigerant Oil                               | -       | ESTER OIL                    | ESTER OIL        | ESTER OIL        | ESTER OIL          | ESTER OIL         | ESTER OIL       |
|                              | Oil Type                                      | -       | VG74                         | VG74             | VG74             | VG74               | VG74              | VG74            |
|                              | Oil Charge                                    | fl. Oz  | 10.48                        | 11.84            | 11.84            | 20.97              | 20.97             | 33.82           |
| OUTDOOR FAN SPECIFICATIONS   | Material                                      | -       | Acrylonitrile Styrene +20%GF |                  |                  |                    |                   |                 |
|                              | Type                                          | -       | ZL-421*133*8-3KN             | ZL-434*144*8-3KN | ZL-434*144*8-3KN | ZL-535*133*12-3KFN | ZL-560*139*12-3KN | ZL-565*161*15-3 |
|                              | Diameter                                      | inch    | 16.6                         | 17.1             | 17.1             | 21.1               | 22.0              | 22.2            |
|                              |                                               | mm      | 421                          | 434              | 434              | 535                | 560               | 565             |
|                              | Height                                        | inch    | 5.2                          | 5.7              | 5.7              | 5.2                | 5.5               | 6.3             |
|                              |                                               | mm      | 133                          | 144              | 144              | 133                | 139               | 161             |
| OUTDOOR MOTOR SPECIFICATIONS | Model                                         | -       | ZKFN-34-10-1-3               | ZKFN-34-10-1-3   | ZKFN-34-10-1-3   | ZKFN-80-8-3        | ZKFN-120-8-2      | ZKFN-230-8-2    |
|                              | Type                                          | -       | DC                           | DC               | DC               | DC                 | DC                | DC              |
|                              | Input                                         | W       | 35.0                         | 35.0             | 35.0             | 94.7               | 120               | 275             |
|                              | Max. input                                    | W       | 81                           | 81               | 81               | 239                | 176               | 275             |
|                              | Output                                        | W       | 26                           | 26               | 26               | 71                 | 90                | 230             |
|                              | FLA (The rated input current of the inverter) | A       | 0.6                          | 0.6              | 0.6              | 0.9                | 1.3               | 1.5             |
|                              | Rated HP                                      | HP      | 0.03                         | 0.03             | 0.03             | 0.10               | 0.12              | 0.31            |
|                              | Range of current                              | Amps    | 0.572~0.846                  | 0.559~0.846      | 0.572~0.846      | 0.386~1.851        | 0.79~1.67         | 1.77~2.32       |
|                              | Rated current                                 | Amps    | 0.62                         | 0.62             | 0.62             | 0.82               | 1.30              | 2.32            |
|                              | Speed                                         | rev/min | 800/700/600                  | 850/680/450      | 780/680/580      | 780/700/550        | 950/800/500       | 800/700/500     |
|                              | Rated RPM                                     | rev/min | 800                          | 850              | 780              | 780                | 950               | 800             |
|                              | Insulation class                              | -       | E                            |                  |                  |                    |                   |                 |
|                              | Safe class                                    | -       | IP24                         | IP24             | IP24             | IPX4               | IPX4              | IP24            |

| Outdoor Model Size                      |                                                                     |             | 06                                    | 09               | 12               | 18                                    | 24                | 33                |
|-----------------------------------------|---------------------------------------------------------------------|-------------|---------------------------------------|------------------|------------------|---------------------------------------|-------------------|-------------------|
| Power supply                            |                                                                     | V;Ph;Hz     | 208/230V;1Ph;60HZ                     |                  |                  |                                       |                   |                   |
| OUTDOOR REFRIGERANT COIL SPECIFICATIONS | Number of rows                                                      | Rows        | 2                                     | 2                | 2                | 2                                     | 2                 | 2.6               |
|                                         | Tube outside dia.                                                   | inch        | 0.276                                 | 0.276            | 0.276            | 0.276                                 | 0.276             | 0.276             |
|                                         |                                                                     | mm          | Φ7                                    | Φ7               | Φ7               | Φ7                                    | Φ7                | Φ7                |
|                                         | Nominal Tube Wall                                                   | mm          | 0.00945 (0.24)                        | 0.00945 (0.24)   | 0.00945 (0.24)   | 0.00945 (0.24)                        | 0.00945 (0.24)    | 0.00945 (0.24)    |
|                                         | Tube Enhancement                                                    | (Yes/No)    | Yes                                   |                  |                  |                                       |                   |                   |
|                                         | Tube Material                                                       | -           | Copper                                |                  |                  |                                       |                   |                   |
|                                         | Tube pitch (a)x row pitch (b)                                       | inch        | 0.83× 0.87                            | 0.83× 0.87       | 0.83× 0.87       | 0.83× 0.87                            | 1× 0.87           | 0.83× 0.87        |
|                                         |                                                                     | mm          | 21x22                                 | 21x22            | 21x22            | 21x22                                 | 25.4x22           | 21x22             |
|                                         | Fin Spacing                                                         | FPI         | 20                                    | 20               | 20               | 20                                    | 20                | 20                |
|                                         |                                                                     | mm          | 1.3                                   | 1.3              | 1.3              | 1.3                                   | 1.3               | 1.3               |
|                                         | Fin type                                                            | -           | Plain fin                             |                  |                  |                                       |                   |                   |
|                                         | Fin Material                                                        | -           | Gold hydrophilic aluminum             |                  |                  |                                       |                   |                   |
|                                         | Coil length x height x width                                        | inch        | 29.33x19.84x0.87+27.9<br>5x19.84x0.87 | 33.86x19.84x1.73 | 33.86x19.84x1.73 | 35.43x23.98x0.87+34.0<br>6x23.98x0.87 | 39.17x30x1.73     | 38.98x29.76x2.60  |
|                                         |                                                                     | mm          | 745*504*22+710*504*2<br>2             | 860*504*44       | 860*504*44       | 900*609*22+865*609*2<br>2             | 995x762x44        | 990x756x66        |
|                                         | Face area                                                           | ft2         | 4.04                                  | 4.67             | 4.67             | 5.90                                  | 8.16              | 8.06              |
|                                         | Number of circuits                                                  | #           | 4                                     | 4                | 4                | 6                                     | 8                 | 9                 |
|                                         | High Burst Pressure                                                 | Psi (MPa)   | 550(3.79)                             | 550(3.79)        | 550(3.79)        | 550(3.79)                             | 550(3.79)         | 550(3.79)         |
|                                         | Low Burst Pressure                                                  | Psi (MPa)   | 340(2.34)                             | 340(2.34)        | 340(2.34)        | 340(2.34)                             | 340(2.34)         | 340(2.34)         |
| Piping and Refrigerant Information      | Refrigerant Type                                                    | Type        | <b>R454B</b>                          | <b>R454B</b>     | <b>R454B</b>     | <b>R454B</b>                          | <b>R454B</b>      | <b>R454B</b>      |
|                                         | Charge Amount                                                       | lb. (kg)    | <b>2.03(0.92)</b>                     | <b>2.2(1.00)</b> | <b>2.2(1.00)</b> | <b>3.46(1.57)</b>                     | <b>3.97(1.80)</b> | <b>5.45(2.47)</b> |
|                                         | Additional refrigerant charge                                       | Oz/ft (g/m) | 0.16(15)                              | 0.16(15)         | 0.16(15)         | 0.16(15)                              | 0.32(30)          | 0.32(30)          |
|                                         | Liquid Pipe (size - connection type)                                | In (mm)     | 1/4in (6.35mm)                        | 1/4in (6.35mm)   | 1/4in (6.35mm)   | 1/4in (6.35mm)                        | 3/8in (9.52mm)    | 3/8in (9.52mm)    |
|                                         | Suction Pipe (size - connection type)                               | In (mm)     | 3/8in (9.52mm)                        | 3/8in (9.52mm)   | 3/8in (9.52mm)   | 1/2in (12.7mm)                        | 5/8in (15.9mm)    | 3/4in (19mm)      |
|                                         | Min. Piping Length                                                  | ft. (m)     | 10 (3)                                | 10 (3)           | 10 (3)           | 10 (3)                                | 10 (3)            | 10 (3)            |
|                                         | Standard Piping Length                                              | ft. (m)     | 24.6 (7.5)                            | 24.6 (7.5)       | 24.6 (7.5)       | 24.6 (7.5)                            | 24.6 (7.5)        | 24.6 (7.5)        |
|                                         | Max. Piping Length with no additional refrigerant charge per System | ft. (m)     | 24.6 (7.5)                            | 24.6 (7.5)       | 24.6 (7.5)       | 24.6 (7.5)                            | 24.6 (7.5)        | 24.6 (7.5)        |
|                                         | Total Maximum Piping Length per system                              | ft. (m)     | 82.02(25)                             | 82.02(25)        | 82.02(25)        | 98.42(30)                             | 164.04(50)        | 164.04(50)        |
|                                         | Max. outdoor-indoor height difference (OU higher than IU)           | ft. (m)     | 49.21(15)                             | 49.21(15)        | 49.21(15)        | 65.62(20)                             | 82.02(25)         | 82.02(25)         |
|                                         | Max. outdoor-indoor height difference (IU higher than OU)           | ft. (m)     | 49.21(15)                             | 49.21(15)        | 49.21(15)        | 65.62(20)                             | 82.02(25)         | 82.02(25)         |
| AIRFLOW SPECIFICATIONS                  | Outdoor (CFM)                                                       | CFM         | 1235.29                               | 1470.59          | 1470.59          | 1764.71                               | 2235.29           | 2235.29           |
| SOUND DATA                              | Outdoor Sound Pressure Level                                        | dB(A)       | 53                                    | 56               | 56               | 59                                    | 61.5              | 63                |

| Outdoor Model Size           |                                   |                        |         | 06                | 09       | 12       | 18       | 24       | 33       |
|------------------------------|-----------------------------------|------------------------|---------|-------------------|----------|----------|----------|----------|----------|
| Power supply                 |                                   |                        | V;Ph;Hz | 208/230V;1Ph;60HZ |          |          |          |          |          |
| ENVIRONMENTAL SPECIFICATIONS | Cooling Operating Range           | Indoor Min - Max DB    | °F      | 60~90             | 60~90    | 60~90    | 60~90    | 60~90    | 60~90    |
|                              |                                   |                        | (°C)    | (16?32)           | (16?32)  | (16?32)  | (16?32)  | (16?32)  | (16?32)  |
|                              |                                   | Indoor Min - Max WB    | °F      | 59-84             | 59-84    | 59-84    | 59-84    | 59-84    | 59-84    |
|                              |                                   |                        | (°C)    | (15-29)           | (15-29)  | (15-29)  | (15-29)  | (15-29)  | (15-29)  |
|                              |                                   | Outdoor Min - Max DB   | °F      | -22~122           | -22~122  | -22~122  | -22~122  | -22~122  | -22~122  |
|                              |                                   |                        | (°C)    | (-30?50)          | (-30?50) | (-30?50) | (-30?50) | (-30?50) | (-30?50) |
|                              | Heating Operating Range           | Indoor Min - Max DB    | °F      | 32~86             | 32~86    | 32~86    | 32~86    | 32~86    | 32~86    |
|                              |                                   |                        | (°C)    | (0?30)            | (0?30)   | (0?30)   | (0?30)   | (0?30)   | (0?30)   |
|                              |                                   | Outdoor Min - Max DB   | °F      | -22~75            | -22~75   | -22~75   | -22~75   | -22~75   | -22~75   |
|                              |                                   |                        | (°C)    | (-30?24)          | (-30?24) | (-30?24) | (-30?24) | (-30?24) | (-30?24) |
|                              | Non-operating environment Storage | Temperature range (DB) | °F      | -49-140           | -49-140  | -49-140  | -49-140  | -49-140  | -49-140  |
|                              |                                   |                        | (°C)    | (-45-60)          | (-45-60) | (-45-60) | (-45-60) | (-45-60) | (-45-60) |
|                              | Operation Humidity                | %                      | -       | 0-80 %            | 0-80 %   | 0-80 %   | 0-80 %   | 0-80 %   | 0-80 %   |
|                              | Ambient Humidity                  | %                      | -       | 0-80 %            | 0-80 %   | 0-80 %   | 0-80 %   | 0-80 %   | 0-80 %   |

## PERFORMANCE

Table 3 — High Wall

| Indoor model                            |         | D5FSHAH06XAK      | D5FSHAH09XAK | D5FSHAH12XAK | D5FSHAH18XAK | D5FSHAH24XAK | D5FSHAH33XAK |
|-----------------------------------------|---------|-------------------|--------------|--------------|--------------|--------------|--------------|
| Outdoor model                           |         | D5CSHAH06AAK      | D5CSHAH09AAK | D5CSHAH12AAK | D5CSHAH18AAK | D5CSHAH24AAK | D5CSHAH33AAK |
| Power supply                            | V;Ph;Hz | 208/230V;1Ph;60HZ |              |              |              |              |              |
| Cooling Rated Capacity (DOE A2 - 95°F)  | Btu/h   | 6000              | 9000         | 12000        | 18000        | 24000        | 33000        |
| Cooling Capacity Range                  | Btu/h   | 2300~12600        | 3800~13500   | 3800~14600   | 8800~19400   | 12600~27900  | 15000~37000  |
| SEER2                                   | Btu/h.W | 25.7              | 27.5         | 25.5         | 21.5         | 21.2         | 19.6         |
| EER2 (DOE A2 - 95°F)                    | Btu/h.W | 18                | 15.5         | 13.5         | 12.5         | 13           | 12           |
| Heating Rated Capacity (DOE H12 - 47°F) | Btu/h   | 7000              | 12000        | 12000        | 18000        | 29000        | 36000        |
| Heating Capacity Range                  | Btu/h   | 3000~11000        | 3800~16000   | 3800~16000   | 11200~19500  | 11800~29700  | 19700~37800  |
| COP (DOE H12 - 47°F)                    | W/W     | 4.2               | 3.76         | 3.76         | 3.26         | 3.42         | 3.37         |
| HSPF2 IV                                | Btu/h.W | 14.8              | 12.5         | 10.5         | 11           | 13.5         | 10.5         |
| HSPF2 V                                 | Btu/h.W | 11.5              | 9.5          | 8            | 8.5          | 9.8          | 8.6          |
| Cooling Rated Capacity (DOE B2 - 82°F)  | Btu/h   | 6700              | 9500         | 12700        | 18500        | 26600        | 37000        |
| EER2 (DOE B2 - 82°F)                    | Btu/h.W | 23.8              | 20.5         | 16.5         | 15.5         | 16.3         | 15.4         |
| Heating Rated Capacity (DOE H32 - 17°F) | Btu/h   | 7900              | 9800         | 9800         | 15000        | 21000        | 30000        |
| COP (DOE H32 - 17°F)                    | W/W     | 2.78              | 2.7          | 2.7          | 2.55         | 2.88         | 2.69         |
| Heating Maximum Capacity (17°F)         | Btu/h   | 9200              | 12800        | 12800        | 19200        | 25000        | 30200        |
| Heating Rated Capacity (ODE H42 - 5°F)  | Btu/h   | 7700              | 11500        | 11500        | 18000        | 24200        | 35000        |
| COP (DOE H42 - 5°F)                     | W/W     | 2.39              | 1.8          | 1.8          | 1.92         | 2.34         | 1.98         |
| Heating Maximum Capacity (5°F)          | Btu/h   | 7700              | 11500        | 11500        | 18000        | 24200        | 35000        |

**Table 4 — One-Way Cassette**

| Indoor model                            |         | D5FSOAH06XAK      | D5FSOAH09XAK      | D5FSOAH12XAK      | D5FSOAH18XAK      |
|-----------------------------------------|---------|-------------------|-------------------|-------------------|-------------------|
| Outdoor model                           |         | D5CSHAH06AAK      | D5CSHAH09AAK      | D5CSHAH12AAK      | D5CSHAH18AAK      |
| Power supply                            | V;Ph;Hz | 208/230V;1Ph;60HZ | 208/230V;1Ph;60HZ | 208/230V;1Ph;60HZ | 208/230V;1Ph;60HZ |
| Cooling Rated Capacity (DOE A2 - 95°F)  | Btu/h   | 6500              | 9000              | 12000             | 16700             |
| Cooling Capacity Range                  | Btu/h   | 3600~11200        | 4000~12900        | 4000~13900        | 5700~19000        |
| SEER2                                   | Btu/h.W | 22                | 24                | 23                | 20.7              |
| EER2 (DOE A2 - 95°F)                    | Btu/h.W | 15.2              | 14.7              | 13                | 12.5              |
| Heating Rated Capacity (DOE H12 - 47°F) | Btu/h   | 7400              | 10900             | 12500             | 20000             |
| Heating Capacity Range                  | Btu/h   | 3700~11500        | 3800~13900        | 4600~15200        | 8900~22000        |
| COP (DOE H12 - 47°F)                    | W/W     | 3.75              | 3.71              | 3.56              | 3.01              |
| HSPF2 IV                                | Btu/h.W | 12                | 12.2              | 10.2              | 12.2              |
| HSPF2 V                                 | Btu/h.W | 10.3              | 9.5               | 8.2               | 9.2               |
| Cooling Rated Capacity (DOE B2 - 82°F)  | Btu/h   | 6800              | 10000             | 13500             | 17500             |
| EER2 (DOE B2 - 82°F)                    | Btu/h.W | 19.2              | 20                | 16.1              | 15                |
| Heating Rated Capacity (DOE H32 - 17°F) | Btu/h   | 7000              | 9000              | 9600              | 14500             |
| COP (DOE H32 - 17°F)                    | W/W     | 2.65              | 2.45              | 2.66              | 2.5               |
| Heating Maximum Capacity (17°F)         | Btu/h   | 9500              | 11900             | 11900             | 18800             |
| Heating Rated Capacity (ODE H42 - 5°F)  | Btu/h   | 8100              | 10600             | 11500             | 17500             |
| COP (DOE H42 - 5°F)                     | W/W     | 2.4               | 1.83              | 2                 | 1.89              |
| Heating Maximum Capacity (5°F)          | Btu/h   | 8100              | 10600             | 11500             | 17500             |

**Table 5 — Four-Way**

| Indoor model                            |         | D5FSCAH09XAK      | D5FSCAH12XAK      | D5FSCAH18XAK      | D5FSCAH24XAK      |
|-----------------------------------------|---------|-------------------|-------------------|-------------------|-------------------|
| Outdoor model                           |         | D5CSHAH09AAK      | D5CSHAH12AAK      | D5CSHAH18AAK      | D5CSHAH24AAK      |
| Power supply                            | V;Ph;Hz | 208/230V;1Ph;60HZ | 208/230V;1Ph;60HZ | 208/230V;1Ph;60HZ | 208/230V;1Ph;60HZ |
| Cooling Rated Capacity (DOE A2 - 95°F)  | Btu/h   | 9000              | 12000             | 16000             | 23400             |
| Cooling Capacity Range                  | Btu/h   | 3700~13600        | 3800~15100        | 7000~18500        | 12800~26200       |
| SEER2                                   | Btu/h.W | 22.7              | 22.3              | 20                | 20.8              |
| EER2 (DOE A2 - 95°F)                    | Btu/h.W | 14                | 12.7              | 12.5              | 12                |
| Heating Rated Capacity (DOE H12 - 47°F) | Btu/h   | 10000             | 12000             | 19000             | 25000             |
| Heating Capacity Range                  | Btu/h   | 5100~15700        | 5300~16200        | 8700~20000        | 11500~30700       |
| COP (DOE H12 - 47°F)                    | W/W     | 4                 | 3.7               | 3.18              | 3.54              |
| HSPF2 IV                                | Btu/h.W | 12.2              | 11.6              | 12.4              | 11.6              |
| HSPF2 V                                 | Btu/h.W | 9.3               | 8.9               | 9.5               | 9.2               |
| Cooling Rated Capacity (DOE B2 - 82°F)  | Btu/h   | 10600             | 14800             | 17500             | 24400             |
| EER2 (DOE B2 - 82°F)                    | Btu/h.W | 18.0              | 17.0              | 16.0              | 14.7              |
| Heating Rated Capacity (DOE H32 - 17°F) | Btu/h   | 9700              | 10000             | 14900             | 20400             |
| COP (DOE H32 - 17°F)                    | W/W     | 2.63              | 2.74              | 2.7               | 2.78              |
| Heating Maximum Capacity (17°F)         | Btu/h   | 12600             | 12900             | 18000             | 23900             |
| Heating Rated Capacity (ODE H42 - 5°F)  | Btu/h   | 11000             | 11500             | 17000             | 23800             |
| COP (DOE H42 - 5°F)                     | W/W     | 1.84              | 2                 | 1.9               | 2.23              |
| Heating Maximum Capacity (5°F)          | Btu/h   | 11000             | 11500             | 17000             | 23800             |

**Table 6 — Floor Console**

| Indoor model                            |         | D5FSFAH09XAK      | D5FSFAH12XAK      | D5FSFAH18XAK      |
|-----------------------------------------|---------|-------------------|-------------------|-------------------|
| Outdoor model                           |         | D5CSHAH09AAK      | D5CSHAH12AAK      | D5CSHAH18AAK      |
| Power supply                            | V;Ph;Hz | 208/230V;1Ph;60HZ | 208/230V;1Ph;60HZ | 208/230V;1Ph;60HZ |
| Cooling Rated Capacity (DOE A2 - 95°F)  | Btu/h   | 9000              | 12000             | 16000             |
| Cooling Capacity Range                  | Btu/h   | 3700~13700        | 3700~14000        | 6500~17200        |
| SEER2                                   | Btu/h.W | 27.3              | 25                | 20.2              |
| EER2 (DOE A2 - 95°F)                    | Btu/h.W | 15.2              | 12.7              | 12.5              |
| Heating Rated Capacity (DOE H12 - 47°F) | Btu/h   | 9000              | 12000             | 17000             |
| Heating Capacity Range                  | Btu/h   | 4400~16100        | 4400~16100        | 6500~20000        |
| COP (DOE H12 - 47°F)                    | W/W     | 4.43              | 3.88              | 2.85              |
| HSPF2 IV                                | Btu/h.W | 10.9              | 10.6              | 10.3              |
| HSPF2 V                                 | Btu/h.W | 8.9               | 8.3               | 8.7               |
| Cooling Rated Capacity (DOE B2 - 82°F)  | Btu/h   | 9600              | 12500             | 17000             |
| EER2 (DOE B2 - 82°F)                    | Btu/h.W | 18.6              | 15.4              | 15                |
| Heating Rated Capacity (DOE H32 - 17°F) | Btu/h   | 9800              | 9800              | 14200             |
| COP (DOE H32 - 17°F)                    | W/W     | 2.71              | 2.71              | 2.6               |
| Heating Maximum Capacity (17°F)         | Btu/h   | 12200             | 12300             | 18800             |
| Heating Rated Capacity (ODE H42 - 5°F)  | Btu/h   | 11300             | 11300             | 17500             |
| COP (DOE H42 - 5°F)                     | W/W     | 1.84              | 1.88              | 1.95              |
| Heating Maximum Capacity (5°F)          | Btu/h   | 11300             | 11300             | 17500             |

**Table 7 — Ceiling and Floor**

| Indoor model                            |         | D5FCFAH18XAK      | D5FCFAH24XAK      |
|-----------------------------------------|---------|-------------------|-------------------|
| Outdoor model                           |         | D5CSHAH18AAK      | D5CSHAH24AAK      |
| Power supply                            | V;Ph;Hz | 208/230V;1Ph;60HZ | 208/230V;1Ph;60HZ |
| Cooling Rated Capacity (DOE A2 - 95°F)  | Btu/h   | 17000             | 22000             |
| Cooling Capacity Range                  | Btu/h   | 7400~19200        | 12700~25600       |
| SEER2                                   | Btu/h.W | 20.5              | 20.5              |
| EER2 (DOE A2 - 95°F)                    | Btu/h.W | 12.6              | 12                |
| Heating Rated Capacity (DOE H12 - 47°F) | Btu/h   | 19000             | 26000             |
| Heating Capacity Range                  | Btu/h   | 8300~20700        | 11300~29500       |
| COP (DOE H12 - 47°F)                    | W/W     | 3.07              | 3.34              |
| HSPF2 IV                                | Btu/h.W | 10.3              | 12.1              |
| HSPF2 V                                 | Btu/h.W | 8.2               | 9.8               |
| Cooling Rated Capacity (DOE B2 - 82°F)  | Btu/h   | 18300             | 24600             |
| EER2 (DOE B2 - 82°F)                    | Btu/h.W | 15.7              | 15.7              |
| Heating Rated Capacity (DOE H32 - 17°F) | Btu/h   | 14400             | 20200             |
| COP (DOE H32 - 17°F)                    | W/W     | 2.54              | 2.74              |
| Heating Maximum Capacity (17°F)         | Btu/h   | 20200             | 23300             |
| Heating Rated Capacity (ODE H42 - 5°F)  | Btu/h   | 17000             | 24200             |
| COP (DOE H42 - 5°F)                     | W/W     | 1.86              | 2.16              |
| Heating Maximum Capacity (5°F)          | Btu/h   | 17000             | 24200             |

**Table 8 — Low static Slim Duct**

| Indoor model                            |         | D5FSDAH06XAK      | D5FSDAH12XAK      | D5FSDAH12XAK      | D5FSDAH18XAK      |
|-----------------------------------------|---------|-------------------|-------------------|-------------------|-------------------|
| Outdoor model                           |         | D5CSHAH06AAK      | D5CSHAH09AAK      | D5CSHAH12AAK      | D5CSHAH18AAK      |
| Power supply                            | V;Ph;Hz | 208/230V;1Ph;60HZ | 208/230V;1Ph;60HZ | 208/230V;1Ph;60HZ | 208/230V;1Ph;60HZ |
| Cooling Rated Capacity (DOE A2 - 95°F)  | Btu/h   | 6500              | 9000              | 12000             | 17000             |
| Cooling Capacity Range                  | Btu/h   | 3300~11800        | 3400~13500        | 3400~13500        | 6500~18800        |
| SEER2                                   | Btu/h.W | 21.5              | 21.5              | 20                | 18                |
| EER2 (DOE A2 - 95°F)                    | Btu/h.W | 14.5              | 13.5              | 12                | 12                |
| Heating Rated Capacity (DOE H12 - 47°F) | Btu/h   | 8000              | 10000             | 12500             | 19000             |
| Heating Capacity Range                  | Btu/h   | 3700~13100        | 3800~16200        | 3800~16200        | 8900~22000        |
| COP (DOE H12 - 47°F)                    | W/W     | 4.01              | 3.53              | 3.39              | 3.37              |
| HSPF2 IV                                | Btu/h.W | 13.8              | 12.5              | 10.2              | 10.8              |
| HSPF2 V                                 | Btu/h.W | 10.8              | 9.7               | 8.2               | 9                 |
| Cooling Rated Capacity (DOE B2 - 82°F)  | Btu/h   | 7500              | 10100             | 12700             | 18000             |
| EER2 (DOE B2 - 82°F)                    | Btu/h.W | 20                | 18                | 14.5              | 15                |
| Heating Rated Capacity (DOE H32 - 17°F) | Btu/h   | 8000              | 9600              | 9600              | 15000             |
| COP (DOE H32 - 17°F)                    | W/W     | 2.7               | 2.5               | 2.5               | 2.7               |
| Heating Maximum Capacity (17°F)         | Btu/h   | 9100              | 12600             | 13100             | 19000             |
| Heating Rated Capacity (ODE H42 - 5°F)  | Btu/h   | 7800              | 11200             | 11800             | 18000             |
| COP (DOE H42 - 5°F)                     | W/W     | 2.4               | 1.89              | 1.9               | 2                 |
| Heating Maximum Capacity (5°F)          | Btu/h   | 7800              | 11200             | 11800             | 18000             |

**Table 9 — High Static Slim Duct**

| Indoor model                            |         | D5FSDAH09XHK      | D5FSDAH12XHK      | D5FSDAH18XHK      | D5FSDAH24XHK      |
|-----------------------------------------|---------|-------------------|-------------------|-------------------|-------------------|
| Outdoor model                           |         | D5CSHAH09AAK      | D5CSHAH12AAK      | D5CSHAH18AAK      | D5CSHAH24AAK      |
| Power supply                            | V;Ph;Hz | 208/230V;1Ph;60HZ | 208/230V;1Ph;60HZ | 208/230V;1Ph;60HZ | 208/230V;1Ph;60HZ |
| Cooling Rated Capacity (DOE A2 - 95°F)  | Btu/h   | 9000              | 12000             | 17500             | 24000             |
| Cooling Capacity Range                  | Btu/h   | 3000~13100        | 3000~13300        | 4000~20600        | 5000~28000        |
| SEER2                                   | Btu/h.W | 20.6              | 20.2              | 18.5              | 19.2              |
| EER2 (DOE A2 - 95°F)                    | Btu/h.W | 14                | 12                | 12.1              | 12                |
| Heating Rated Capacity (DOE H12 - 47°F) | Btu/h   | 9900              | 12000             | 19500             | 26000             |
| Heating Capacity Range                  | Btu/h   | 3900~16500        | 3900~16500        | 5400~23000        | 7300~31400        |
| COP (DOE H12 - 47°F)                    | W/W     | 3.88              | 3.63              | 3.6               | 3.81              |
| HSPF2 IV                                | Btu/h.W | 13.8              | 10.6              | 11.1              | 11.7              |
| HSPF2 V                                 | Btu/h.W | 10.8              | 8.5               | 9                 | 9.3               |
| Cooling Rated Capacity (DOE B2 - 82°F)  | Btu/h   | 9800              | 13100             | 18700             | 25000             |
| EER2 (DOE B2 - 82°F)                    | Btu/h.W | 17.9              | 15.6              | 16.2              | 14.7              |
| Heating Rated Capacity (DOE H32 - 17°F) | Btu/h   | 10200             | 10200             | 15000             | 21600             |
| COP (DOE H32 - 17°F)                    | W/W     | 2.45              | 2.59              | 2.89              | 2.7               |
| Heating Maximum Capacity (17°F)         | Btu/h   | 12600             | 13900             | 20000             | 23500             |
| Heating Rated Capacity (ODE H42 - 5°F)  | Btu/h   | 11900             | 12000             | 18000             | 24000             |
| COP (DOE H42 - 5°F)                     | W/W     | 1.85              | 1.95              | 2.1               | 2.18              |
| Heating Maximum Capacity (5°F)          | Btu/h   | 11900             | 12000             | 18000             | 24000             |

**Table 10 — Air Handler 2**

| Indoor model                            |         | D5FSAAH18XBK      | D5FSAAH24XBK      | D5FSAAH36XBK      |
|-----------------------------------------|---------|-------------------|-------------------|-------------------|
| Outdoor model                           |         | D5CSHAH18AAK      | D5CSHAH24AAK      | D5CSHAH33AAK      |
| Power supply                            | V;Ph;Hz | 208/230V;1Ph;60HZ | 208/230V;1Ph;60HZ | 208/230V;1Ph;60HZ |
| Cooling Rated Capacity (DOE A2 - 95°F)  | Btu/h   | 18000             | 23000             | 33000             |
| Cooling Capacity Range                  | Btu/h   | 6000~20400        | 7500~27000        | 15000~39000       |
| SEER2                                   | Btu/h.W | 18.2              | 18.8              | 16.7              |
| EER2 (DOE A2 - 95°F)                    | Btu/h.W | 12                | 12                | 11.7              |
| Heating Rated Capacity (DOE H12 - 47°F) | Btu/h   | 19500             | 26000             | 35000             |
| Heating Capacity Range                  | Btu/h   | 5000~21600        | 8800~29000        | 15000~41500       |
| COP (DOE H12 - 47°F)                    | W/W     | 3.64              | 3.5               | 3.66              |
| HSPF2 IV                                | Btu/h.W | 10.1              | 10                | 10                |
| HSPF2 V                                 | Btu/h.W | 8.3               | 8                 | 8.4               |
| Cooling Rated Capacity (DOE B2 - 82°F)  | Btu/h   | 21000             | 25800             | 34200             |
| EER2 (DOE B2 - 82°F)                    | Btu/h.W | 15.4              | 15.6              | 14                |
| Heating Rated Capacity (DOE H32 - 17°F) | Btu/h   | 14000             | 16900             | 27400             |
| COP (DOE H32 - 17°F)                    | W/W     | 2.6               | 2.4               | 2.58              |
| Heating Maximum Capacity (17°F)         | Btu/h   | 19800             | 23800             | 33400             |
| Heating Rated Capacity (ODE H42 - 5°F)  | Btu/h   | 18000             | 23600             | 34000             |
| COP (DOE H42 - 5°F)                     | W/W     | 2.2               | 2.1               | 2                 |
| Heating Maximum Capacity (5°F)          | Btu/h   | 18000             | 23600             | 34000             |

## HEATING AND COOLING PERFORMANCE HIGH WALL (D5FSHAH)

Table 11 – High Wall Cooling Performance (6K)

| Airflow<br>CFM | Out-<br>door<br>DB | ID WB | 60.8°F (16.0°C)  |                  |                  |                  |                  | 64.4°F (16.0°C)  |                  |                  |                  |                  | 67.0°F (19.4°C)  |                  |                  |                  |                  | 71.6°F (22.0°C)  |                  |                  |                  |                  |
|----------------|--------------------|-------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
|                |                    | ID DB | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C |
| 188            | -22°F<br>30°C      | TC    | 5562             | 5569             | 5575             | 5575             | 5583             | 5897             | 5904             | 5910             | 5911             | 5918             | 6249             | 6257             | 6264             | 6265             | 6272             | 6626             | 6633             | 6640             | 6641             | 6649             |
|                |                    | S/T   | 0.31             | 0.37             | 0.42             | 0.42             | 0.48             | 0.33             | 0.39             | 0.44             | 0.44             | 0.51             | 0.35             | 0.41             | 0.47             | 0.47             | 0.54             | 0.37             | 0.44             | 0.50             | 0.50             | 0.57             |
|                |                    | PI    | 0.33             | 0.33             | 0.33             | 0.33             | 0.34             | 0.35             | 0.35             | 0.35             | 0.36             | 0.36             | 0.38             | 0.38             | 0.38             | 0.38             | 0.38             | 0.40             | 0.40             | 0.40             | 0.40             | 0.40             |
|                | -13°F<br>25°C      | TC    | 6025             | 6033             | 6040             | 6040             | 6048             | 6388             | 6396             | 6402             | 6403             | 6411             | 6770             | 6779             | 6786             | 6787             | 6795             | 7178             | 7185             | 7193             | 7194             | 7203             |
|                |                    | S/T   | 0.32             | 0.37             | 0.42             | 0.42             | 0.48             | 0.34             | 0.39             | 0.45             | 0.45             | 0.51             | 0.36             | 0.42             | 0.47             | 0.47             | 0.54             | 0.38             | 0.44             | 0.50             | 0.50             | 0.57             |
|                |                    | PI    | 0.36             | 0.36             | 0.36             | 0.36             | 0.36             | 0.38             | 0.38             | 0.38             | 0.38             | 0.39             | 0.41             | 0.41             | 0.41             | 0.41             | 0.41             | 0.43             | 0.43             | 0.43             | 0.43             | 0.43             |
|                | -4°F<br>20°C       | TC    | 6488             | 6497             | 6504             | 6504             | 6513             | 6879             | 6888             | 6894             | 6896             | 6904             | 7290             | 7300             | 7308             | 7309             | 7318             | 7730             | 7738             | 7747             | 7748             | 7757             |
|                |                    | S/T   | 0.32             | 0.37             | 0.42             | 0.42             | 0.48             | 0.34             | 0.40             | 0.45             | 0.45             | 0.51             | 0.36             | 0.42             | 0.48             | 0.48             | 0.54             | 0.38             | 0.44             | 0.51             | 0.51             | 0.58             |
|                |                    | PI    | 0.39             | 0.39             | 0.39             | 0.39             | 0.39             | 0.41             | 0.41             | 0.41             | 0.41             | 0.41             | 0.44             | 0.44             | 0.44             | 0.44             | 0.44             | 0.46             | 0.46             | 0.47             | 0.47             | 0.47             |
|                | 0°F<br>17.8°C      | TC    | 6694             | 6703             | 6711             | 6711             | 6720             | 7098             | 7106             | 7113             | 7115             | 7123             | 7522             | 7532             | 7540             | 7542             | 7550             | 7975             | 7984             | 7993             | 7994             | 8004             |
|                |                    | S/T   | 0.32             | 0.37             | 0.43             | 0.43             | 0.49             | 0.34             | 0.40             | 0.45             | 0.45             | 0.51             | 0.36             | 0.42             | 0.48             | 0.48             | 0.55             | 0.38             | 0.45             | 0.51             | 0.51             | 0.58             |
|                |                    | PI    | 0.40             | 0.40             | 0.40             | 0.40             | 0.40             | 0.43             | 0.43             | 0.43             | 0.43             | 0.43             | 0.45             | 0.45             | 0.45             | 0.45             | 0.45             | 0.48             | 0.48             | 0.48             | 0.48             | 0.48             |
|                | 5°F<br>15°C        | TC    | 6952             | 6961             | 6969             | 6969             | 6978             | 7371             | 7380             | 7387             | 7388             | 7397             | 7811             | 7821             | 7830             | 7832             | 7840             | 8282             | 8291             | 8300             | 8301             | 8312             |
|                |                    | S/T   | 0.32             | 0.38             | 0.43             | 0.43             | 0.49             | 0.34             | 0.40             | 0.45             | 0.45             | 0.52             | 0.36             | 0.42             | 0.48             | 0.48             | 0.55             | 0.38             | 0.45             | 0.51             | 0.51             | 0.58             |
|                |                    | PI    | 0.42             | 0.42             | 0.42             | 0.42             | 0.42             | 0.44             | 0.44             | 0.44             | 0.44             | 0.44             | 0.47             | 0.47             | 0.47             | 0.47             | 0.47             | 0.50             | 0.50             | 0.50             | 0.50             | 0.50             |
|                | 14°F<br>10°C       | TC    | 7206             | 7215             | 7223             | 7223             | 7233             | 7640             | 7649             | 7656             | 7658             | 7667             | 8096             | 8107             | 8116             | 8117             | 8126             | 8584             | 8593             | 8603             | 8604             | 8615             |
|                |                    | S/T   | 0.32             | 0.38             | 0.43             | 0.43             | 0.49             | 0.34             | 0.40             | 0.45             | 0.45             | 0.52             | 0.36             | 0.42             | 0.48             | 0.48             | 0.55             | 0.38             | 0.45             | 0.51             | 0.51             | 0.58             |
|                |                    | PI    | 0.43             | 0.43             | 0.43             | 0.43             | 0.44             | 0.46             | 0.46             | 0.46             | 0.46             | 0.46             | 0.49             | 0.49             | 0.49             | 0.49             | 0.49             | 0.52             | 0.52             | 0.52             | 0.52             | 0.52             |
|                | 17°F<br>10°C       | TC    | 7290             | 7300             | 7308             | 7308             | 7318             | 7729             | 7739             | 7746             | 7748             | 7757             | 8191             | 8202             | 8211             | 8213             | 8222             | 8685             | 8694             | 8704             | 8705             | 8716             |
|                |                    | S/T   | 0.32             | 0.38             | 0.43             | 0.43             | 0.49             | 0.34             | 0.40             | 0.46             | 0.46             | 0.52             | 0.36             | 0.43             | 0.48             | 0.48             | 0.55             | 0.38             | 0.45             | 0.51             | 0.51             | 0.58             |
|                |                    | PI    | 0.44             | 0.44             | 0.44             | 0.44             | 0.44             | 0.47             | 0.47             | 0.47             | 0.47             | 0.47             | 0.49             | 0.49             | 0.49             | 0.49             | 0.49             | 0.52             | 0.52             | 0.52             | 0.52             | 0.52             |
|                | 23°F<br>5°C        | TC    | 7543             | 7553             | 7561             | 7562             | 7572             | 7997             | 8007             | 8015             | 8016             | 8026             | 8475             | 8486             | 8496             | 8497             | 8507             | 8986             | 8996             | 9006             | 9007             | 9018             |
|                |                    | S/T   | 0.32             | 0.38             | 0.43             | 0.43             | 0.49             | 0.34             | 0.40             | 0.46             | 0.46             | 0.52             | 0.36             | 0.43             | 0.49             | 0.49             | 0.55             | 0.39             | 0.45             | 0.51             | 0.51             | 0.59             |
|                |                    | PI    | 0.45             | 0.45             | 0.45             | 0.45             | 0.45             | 0.47             | 0.47             | 0.47             | 0.47             | 0.47             | 0.50             | 0.50             | 0.50             | 0.50             | 0.50             | 0.53             | 0.53             | 0.53             | 0.53             | 0.53             |
|                | 35°F<br>1.7°C      | TC    | 8049             | 8059             | 8068             | 8068             | 8079             | 8534             | 8544             | 8552             | 8554             | 8564             | 9043             | 9055             | 9065             | 9067             | 9077             | 9588             | 9599             | 9609             | 9611             | 9623             |
|                |                    | S/T   | 0.33             | 0.38             | 0.43             | 0.43             | 0.50             | 0.35             | 0.41             | 0.46             | 0.46             | 0.52             | 0.37             | 0.43             | 0.49             | 0.49             | 0.56             | 0.39             | 0.46             | 0.52             | 0.52             | 0.59             |
|                |                    | PI    | 0.46             | 0.46             | 0.46             | 0.46             | 0.46             | 0.49             | 0.49             | 0.49             | 0.49             | 0.49             | 0.51             | 0.52             | 0.52             | 0.52             | 0.52             | 0.55             | 0.55             | 0.55             | 0.55             | 0.55             |
|                | 41°F<br>5°C        | TC    | 7312             | 7322             | 7330             | 7330             | 7340             | 7753             | 7762             | 7770             | 7771             | 7780             | 8216             | 8227             | 8236             | 8237             | 8247             | 8711             | 8720             | 8730             | 8731             | 8742             |
|                |                    | S/T   | 0.33             | 0.38             | 0.44             | 0.44             | 0.50             | 0.35             | 0.41             | 0.46             | 0.46             | 0.53             | 0.37             | 0.43             | 0.49             | 0.49             | 0.56             | 0.39             | 0.46             | 0.52             | 0.52             | 0.59             |
|                |                    | PI    | 0.36             | 0.36             | 0.36             | 0.36             | 0.36             | 0.38             | 0.38             | 0.38             | 0.38             | 0.38             | 0.40             | 0.40             | 0.40             | 0.40             | 0.40             | 0.43             | 0.43             | 0.43             | 0.43             | 0.43             |
|                | 47°F<br>8.3°C      | TC    | 6576             | 6585             | 6592             | 6592             | 6601             | 6972             | 6980             | 6987             | 6989             | 6997             | 7389             | 7398             | 7406             | 7408             | 7416             | 7834             | 7842             | 7851             | 7852             | 7862             |
|                |                    | S/T   | 0.33             | 0.38             | 0.44             | 0.44             | 0.50             | 0.35             | 0.41             | 0.46             | 0.46             | 0.53             | 0.37             | 0.43             | 0.49             | 0.49             | 0.56             | 0.39             | 0.46             | 0.52             | 0.52             | 0.59             |
|                |                    | PI    | 0.26             | 0.26             | 0.26             | 0.26             | 0.26             | 0.27             | 0.27             | 0.27             | 0.27             | 0.27             | 0.29             | 0.29             | 0.29             | 0.29             | 0.29             | 0.31             | 0.31             | 0.31             | 0.31             | 0.31             |
|                | 50°F<br>10°C       | TC    | 6700             | 6709             | 6716             | 6716             | 6725             | 7103             | 7112             | 7119             | 7120             | 7129             | 7528             | 7537             | 7546             | 7547             | 7556             | 7981             | 7990             | 7999             | 8000             | 8010             |
|                |                    | S/T   | 0.33             | 0.39             | 0.44             | 0.44             | 0.50             | 0.35             | 0.41             | 0.47             | 0.47             | 0.53             | 0.37             | 0.43             | 0.49             | 0.49             | 0.56             | 0.39             | 0.46             | 0.52             | 0.52             | 0.60             |
|                |                    | PI    | 0.26             | 0.26             | 0.27             | 0.27             | 0.27             | 0.28             | 0.28             | 0.28             | 0.28             | 0.28             | 0.30             | 0.30             | 0.30             | 0.30             | 0.30             | 0.32             | 0.32             | 0.32             | 0.32             | 0.32             |
|                | 59°F<br>15°C       | TC    | 7071             | 7081             | 7088             | 7089             | 7098             | 7497             | 7506             | 7514             | 7515             | 7524             | 7945             | 7955             | 7964             | 7966             | 7975             | 8424             | 8433             | 8442             | 8444             | 8454             |
|                |                    | S/T   | 0.33             | 0.39             | 0.44             | 0.44             | 0.50             | 0.35             | 0.41             | 0.47             | 0.47             | 0.53             | 0.37             | 0.44             | 0.50             | 0.50             | 0.56             | 0.39             | 0.46             | 0.53             | 0.53             | 0.60             |
|                |                    | PI    | 0.29             | 0.29             | 0.29             | 0.29             | 0.29             | 0.30             | 0.30             | 0.30             | 0.30             | 0.30             | 0.32             | 0.32             | 0.32             | 0.32             | 0.32             | 0.34             | 0.34             | 0.34             | 0.34             | 0.34             |
|                | 68°F<br>20°C       | TC    | 7443             | 7453             | 7461             | 7461             | 7471             | 7891             | 7900             | 7908             | 7910             | 7919             | 8363             | 8373             | 8383             | 8384             | 8394             | 8866             | 8876             | 8886             | 8887             | 8898             |
|                |                    | S/T   | 0.34             | 0.40             | 0.45             | 0.45             | 0.52             | 0.36             | 0.42             | 0.48             | 0.48             | 0.55             | 0.38             | 0.45             | 0.51             | 0.51             | 0.58             | 0.40             | 0.47             | 0.54             | 0.54             | 0.61             |
|                |                    | PI    | 0.31             | 0.31             | 0.31             | 0.31             | 0.31             | 0.32             | 0.33             | 0.33             | 0.33             | 0.33             | 0.34             | 0.34             | 0.34             | 0.35             | 0.35             | 0.36             | 0.37             | 0.37             | 0.37             | 0.37             |
|                | 77°F<br>25°C       | TC    | 7814             | 7825             | 7833             | 7833             | 7844             | 8285             | 8295             | 8303             | 8305             | 8315             | 8780             | 8791             | 8801             | 8803             | 8813             | 9309             | 9319             | 9329             | 9331             | 9342             |
|                |                    | S/T   | 0.34             | 0.40             | 0.46             | 0.46             | 0.52             | 0.36             | 0.43             | 0.49             | 0.49             | 0.55             | 0.39             | 0.45             | 0.52             | 0.52             | 0.59             | 0.41             | 0.48             | 0.55             | 0.55             | 0.62             |
|                |                    | PI    | 0.33             | 0.33             | 0.33             | 0.33             | 0.33             | 0.35             | 0.35             | 0.35             | 0.35             | 0.35             | 0.37             | 0.37             | 0.37             | 0.37             | 0.37             | 0.39             | 0.39             | 0.39             | 0.39             | 0.39             |
|                | 82°F<br>27.8°C     | TC    | 7865             | 7876             | 7884             | 7885             | 7895             | 8339             | 8349             | 8358             | 8359             | 8369             | 8838             | 8849             | 8859             | 8861             | 8870             | 9370             | 9380             | 9391             | 9392             | 9404             |
|                |                    | S/T   | 0.35             | 0.41             | 0.46             | 0.46             | 0.53             | 0.37             | 0.43             | 0.49             | 0.49             | 0.56             | 0.39             | 0.46             | 0.52             | 0.52             | 0.59             | 0.41             | 0.49             | 0.55             | 0.55             | 0.63             |
|                |                    | PI    | 0.36             | 0.36             | 0.36             | 0.36             | 0.36             | 0.39             | 0.39             | 0.39             | 0.39             | 0.39             | 0.41             | 0.41             | 0.41             | 0.41             | 0.41             | 0.43             | 0.43             | 0.43             | 0.43             | 0.43             |
|                | 86°F<br>30°C       | TC    | 7711             | 7721             | 7729             | 7730             | 7740             | 8175             | 8185             | 8193             | 8195             | 8204             | 8664             | 8675             | 8685             | 8686             | 8696             | 9186             | 9196             | 9206             | 9207             | 9219             |
|                |                    | S/T   | 0.35             | 0.41             | 0.47             | 0.47             | 0.54             | 0.37             | 0.44             | 0.50             | 0.50             | 0.57             | 0.40             | 0.47             | 0.53             | 0.53             | 0.60             | 0.42             | 0.49             | 0.56             | 0.56             | 0.64             |
|                |                    | PI    | 0.42             | 0.42             | 0.42             | 0.42             | 0.43             | 0.45             | 0.45             | 0.45             | 0.45             | 0.45             | 0.48             | 0.48             | 0.48             | 0.48             | 0.48             | 0.50             | 0.51             | 0.51             | 0.51             | 0.51             |
|                | 95°F<br>35°C       | TC    | 7362             | 7372             | 7380             | 7380             | 7390             | 7806             | 7815             | 7823             | 7824             | 7834             | 8272             | 8                |                  |                  |                  |                  |                  |                  |                  |                  |

Table 11 – High Wall Cooling Performance (6K) (Continued)

| Airflow<br>CFM | Out-<br>door<br>DB | ID WB | 60.8°F (16.0°C)  |                  |                  |                  |                  | 64.4°F (16.0°C)  |                  |                  |                  |                  | 67.0°F (19.4°C)  |                  |                  |                  |                  | 71.6°F (22.0°C)  |                  |                  |                  |                  |
|----------------|--------------------|-------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
|                |                    | ID DB | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C |
| 324            | -22°F<br>30°C      | TC    | 6386             | 6394             | 6401             | 6402             | 6410             | 6771             | 6779             | 6785             | 6787             | 6795             | 7175             | 7185             | 7193             | 7194             | 7202             | 7608             | 7616             | 7624             | 7625             | 7635             |
|                |                    | S/T   | 0.36             | 0.42             | 0.48             | 0.48             | 0.55             | 0.38             | 0.45             | 0.51             | 0.51             | 0.58             | 0.41             | 0.48             | 0.54             | 0.54             | 0.62             | 0.43             | 0.50             | 0.57             | 0.57             | 0.65             |
|                |                    | PI    | 0.38             | 0.38             | 0.38             | 0.38             | 0.39             | 0.41             | 0.41             | 0.41             | 0.41             | 0.41             | 0.43             | 0.43             | 0.43             | 0.43             | 0.43             | 0.46             | 0.46             | 0.46             | 0.46             | 0.46             |
|                | -13°F<br>25°C      | TC    | 6918             | 6927             | 6935             | 6935             | 6944             | 7335             | 7344             | 7351             | 7352             | 7361             | 7773             | 7783             | 7792             | 7793             | 7802             | 8241             | 8250             | 8259             | 8261             | 8271             |
|                |                    | S/T   | 0.36             | 0.43             | 0.48             | 0.48             | 0.55             | 0.39             | 0.45             | 0.51             | 0.51             | 0.59             | 0.41             | 0.48             | 0.54             | 0.54             | 0.62             | 0.43             | 0.51             | 0.58             | 0.58             | 0.66             |
|                |                    | PI    | 0.42             | 0.42             | 0.42             | 0.42             | 0.42             | 0.44             | 0.44             | 0.44             | 0.44             | 0.44             | 0.47             | 0.47             | 0.47             | 0.47             | 0.47             | 0.50             | 0.50             | 0.50             | 0.50             | 0.50             |
|                | -4°F<br>20°C       | TC    | 7450             | 7460             | 7468             | 7469             | 7479             | 7899             | 7908             | 7916             | 7918             | 7927             | 8371             | 8382             | 8391             | 8393             | 8402             | 8875             | 8885             | 8895             | 8896             | 8907             |
|                |                    | S/T   | 0.37             | 0.43             | 0.49             | 0.49             | 0.56             | 0.39             | 0.45             | 0.52             | 0.52             | 0.59             | 0.41             | 0.48             | 0.55             | 0.55             | 0.62             | 0.44             | 0.51             | 0.58             | 0.58             | 0.66             |
|                |                    | PI    | 0.45             | 0.45             | 0.45             | 0.45             | 0.45             | 0.47             | 0.48             | 0.48             | 0.48             | 0.48             | 0.50             | 0.50             | 0.50             | 0.50             | 0.50             | 0.53             | 0.53             | 0.53             | 0.53             | 0.54             |
|                | 0°F<br>17.8°C      | TC    | 7687             | 7697             | 7705             | 7706             | 7716             | 8150             | 8160             | 8168             | 8169             | 8179             | 8637             | 8648             | 8658             | 8659             | 8669             | 9157             | 9167             | 9177             | 9179             | 9190             |
|                |                    | S/T   | 0.37             | 0.43             | 0.49             | 0.49             | 0.56             | 0.39             | 0.46             | 0.52             | 0.52             | 0.59             | 0.41             | 0.48             | 0.55             | 0.55             | 0.63             | 0.44             | 0.51             | 0.58             | 0.58             | 0.66             |
|                |                    | PI    | 0.46             | 0.46             | 0.46             | 0.46             | 0.46             | 0.49             | 0.49             | 0.49             | 0.49             | 0.49             | 0.52             | 0.52             | 0.52             | 0.52             | 0.52             | 0.55             | 0.55             | 0.55             | 0.55             | 0.55             |
|                | 5°F<br>15°C        | TC    | 7982             | 7993             | 8002             | 8002             | 8013             | 8463             | 8473             | 8482             | 8483             | 8494             | 8969             | 8981             | 8991             | 8992             | 9002             | 9509             | 9520             | 9530             | 9532             | 9543             |
|                |                    | S/T   | 0.37             | 0.43             | 0.49             | 0.49             | 0.56             | 0.39             | 0.46             | 0.52             | 0.52             | 0.59             | 0.41             | 0.49             | 0.55             | 0.55             | 0.63             | 0.44             | 0.51             | 0.59             | 0.59             | 0.67             |
|                |                    | PI    | 0.48             | 0.48             | 0.48             | 0.48             | 0.48             | 0.51             | 0.51             | 0.51             | 0.51             | 0.51             | 0.54             | 0.54             | 0.54             | 0.54             | 0.54             | 0.57             | 0.57             | 0.57             | 0.57             | 0.57             |
|                | 14°F<br>10°C       | TC    | 8274             | 8285             | 8294             | 8294             | 8305             | 8772             | 8783             | 8791             | 8793             | 8803             | 9296             | 9308             | 9319             | 9320             | 9331             | 9856             | 9867             | 9878             | 9879             | 9892             |
|                |                    | S/T   | 0.37             | 0.43             | 0.49             | 0.49             | 0.56             | 0.39             | 0.46             | 0.52             | 0.52             | 0.59             | 0.41             | 0.49             | 0.55             | 0.55             | 0.63             | 0.44             | 0.52             | 0.59             | 0.59             | 0.67             |
|                |                    | PI    | 0.50             | 0.50             | 0.50             | 0.50             | 0.50             | 0.53             | 0.53             | 0.53             | 0.53             | 0.53             | 0.56             | 0.56             | 0.56             | 0.56             | 0.56             | 0.59             | 0.59             | 0.59             | 0.59             | 0.59             |
|                | 17°F<br>10°C       | TC    | 8371             | 8382             | 8391             | 8391             | 8403             | 8875             | 8886             | 8894             | 8896             | 8907             | 9405             | 9418             | 9428             | 9430             | 9440             | 9972             | 9983             | 9994             | 9995             | 10008            |
|                |                    | S/T   | 0.37             | 0.43             | 0.49             | 0.49             | 0.56             | 0.39             | 0.46             | 0.52             | 0.52             | 0.60             | 0.42             | 0.49             | 0.55             | 0.55             | 0.63             | 0.44             | 0.52             | 0.59             | 0.59             | 0.67             |
|                |                    | PI    | 0.50             | 0.50             | 0.50             | 0.50             | 0.51             | 0.53             | 0.53             | 0.54             | 0.54             | 0.54             | 0.57             | 0.57             | 0.57             | 0.57             | 0.57             | 0.60             | 0.60             | 0.60             | 0.60             | 0.60             |
|                | 23°F<br>5°C        | TC    | 8661             | 8673             | 8682             | 8682             | 8694             | 9183             | 9194             | 9203             | 9205             | 9216             | 9731             | 9744             | 9755             | 9757             | 9768             | 10318            | 10329            | 10340            | 10342            | 10355            |
|                |                    | S/T   | 0.37             | 0.44             | 0.50             | 0.50             | 0.57             | 0.39             | 0.46             | 0.53             | 0.53             | 0.60             | 0.42             | 0.49             | 0.56             | 0.56             | 0.64             | 0.44             | 0.52             | 0.59             | 0.59             | 0.67             |
|                |                    | PI    | 0.51             | 0.51             | 0.51             | 0.51             | 0.51             | 0.54             | 0.54             | 0.54             | 0.54             | 0.54             | 0.57             | 0.58             | 0.58             | 0.58             | 0.58             | 0.61             | 0.61             | 0.61             | 0.61             | 0.61             |
|                | 35°F<br>1.7°C      | TC    | 9241             | 9254             | 9264             | 9264             | 9277             | 9798             | 9810             | 9820             | 9822             | 9833             | 10384            | 10397            | 10409            | 10411            | 10422            | 11009            | 11021            | 11033            | 11035            | 11049            |
|                |                    | S/T   | 0.37             | 0.44             | 0.50             | 0.50             | 0.57             | 0.40             | 0.47             | 0.53             | 0.53             | 0.60             | 0.42             | 0.49             | 0.56             | 0.56             | 0.64             | 0.45             | 0.52             | 0.59             | 0.59             | 0.68             |
|                |                    | PI    | 0.53             | 0.53             | 0.53             | 0.53             | 0.53             | 0.56             | 0.56             | 0.56             | 0.56             | 0.56             | 0.59             | 0.59             | 0.59             | 0.59             | 0.59             | 0.63             | 0.63             | 0.63             | 0.63             | 0.63             |
|                | 41°F<br>5°C        | TC    | 8396             | 8407             | 8416             | 8417             | 8428             | 8902             | 8912             | 8921             | 8923             | 8934             | 9434             | 9446             | 9456             | 9458             | 9469             | 10002            | 10013            | 10024            | 10025            | 10038            |
|                |                    | S/T   | 0.37             | 0.44             | 0.50             | 0.50             | 0.57             | 0.40             | 0.47             | 0.53             | 0.53             | 0.60             | 0.42             | 0.49             | 0.56             | 0.56             | 0.64             | 0.45             | 0.52             | 0.60             | 0.60             | 0.68             |
|                |                    | PI    | 0.41             | 0.41             | 0.41             | 0.41             | 0.41             | 0.44             | 0.44             | 0.44             | 0.44             | 0.44             | 0.46             | 0.46             | 0.46             | 0.46             | 0.46             | 0.49             | 0.49             | 0.49             | 0.49             | 0.49             |
|                | 47°F<br>8.3°C      | TC    | 7550             | 7560             | 7569             | 7569             | 7579             | 8005             | 8015             | 8023             | 8024             | 8034             | 8484             | 8495             | 8504             | 8506             | 8515             | 8995             | 9005             | 9014             | 9016             | 9027             |
|                |                    | S/T   | 0.38             | 0.44             | 0.50             | 0.50             | 0.57             | 0.40             | 0.47             | 0.53             | 0.53             | 0.61             | 0.42             | 0.50             | 0.56             | 0.56             | 0.64             | 0.45             | 0.53             | 0.60             | 0.60             | 0.68             |
|                |                    | PI    | 0.30             | 0.30             | 0.30             | 0.30             | 0.30             | 0.31             | 0.31             | 0.31             | 0.31             | 0.31             | 0.33             | 0.33             | 0.33             | 0.33             | 0.33             | 0.35             | 0.35             | 0.35             | 0.35             | 0.35             |
|                | 50°F<br>10°C       | TC    | 7693             | 7703             | 7711             | 7712             | 7722             | 8156             | 8166             | 8174             | 8175             | 8185             | 8643             | 8655             | 8664             | 8666             | 8676             | 9164             | 9174             | 9184             | 9186             | 9197             |
|                |                    | S/T   | 0.38             | 0.44             | 0.50             | 0.50             | 0.57             | 0.40             | 0.47             | 0.53             | 0.53             | 0.61             | 0.42             | 0.50             | 0.57             | 0.57             | 0.65             | 0.45             | 0.53             | 0.60             | 0.60             | 0.68             |
|                |                    | PI    | 0.30             | 0.30             | 0.30             | 0.30             | 0.30             | 0.32             | 0.32             | 0.32             | 0.32             | 0.32             | 0.34             | 0.34             | 0.34             | 0.34             | 0.34             | 0.36             | 0.36             | 0.36             | 0.36             | 0.36             |
|                | 59°F<br>15°C       | TC    | 8119             | 8130             | 8139             | 8139             | 8150             | 8608             | 8619             | 8627             | 8629             | 8639             | 9123             | 9135             | 9145             | 9146             | 9157             | 9672             | 9683             | 9693             | 9695             | 9707             |
|                |                    | S/T   | 0.38             | 0.45             | 0.51             | 0.51             | 0.58             | 0.40             | 0.47             | 0.54             | 0.54             | 0.61             | 0.43             | 0.50             | 0.57             | 0.57             | 0.65             | 0.45             | 0.53             | 0.60             | 0.60             | 0.69             |
|                |                    | PI    | 0.33             | 0.33             | 0.33             | 0.33             | 0.33             | 0.35             | 0.35             | 0.35             | 0.35             | 0.35             | 0.37             | 0.37             | 0.37             | 0.37             | 0.37             | 0.39             | 0.39             | 0.39             | 0.39             | 0.39             |
|                | 68°F<br>20°C       | TC    | 8546             | 8557             | 8566             | 8567             | 8578             | 9061             | 9071             | 9080             | 9082             | 9093             | 9602             | 9615             | 9625             | 9627             | 9638             | 10181            | 10192            | 10203            | 10204            | 10217            |
|                |                    | S/T   | 0.39             | 0.46             | 0.52             | 0.52             | 0.59             | 0.41             | 0.48             | 0.55             | 0.55             | 0.63             | 0.44             | 0.51             | 0.58             | 0.58             | 0.67             | 0.46             | 0.54             | 0.62             | 0.62             | 0.71             |
|                |                    | PI    | 0.35             | 0.35             | 0.35             | 0.35             | 0.35             | 0.37             | 0.37             | 0.37             | 0.37             | 0.37             | 0.40             | 0.40             | 0.40             | 0.40             | 0.40             | 0.42             | 0.42             | 0.42             | 0.42             | 0.42             |
|                | 77°F<br>25°C       | TC    | 8972             | 8984             | 8994             | 8994             | 9007             | 9513             | 9524             | 9534             | 9536             | 9547             | 10081            | 10095            | 10106            | 10108            | 10119            | 10689            | 10700            | 10712            | 10714            | 10727            |
|                |                    | S/T   | 0.39             | 0.46             | 0.53             | 0.53             | 0.60             | 0.42             | 0.49             | 0.56             | 0.56             | 0.64             | 0.44             | 0.52             | 0.59             | 0.59             | 0.67             | 0.47             | 0.55             | 0.63             | 0.63             | 0.71             |
|                |                    | PI    | 0.38             | 0.38             | 0.38             | 0.38             | 0.38             | 0.40             | 0.40             | 0.40             | 0.40             | 0.40             | 0.42             | 0.42             | 0.42             | 0.42             | 0.42             | 0.45             | 0.45             | 0.45             | 0.45             | 0.45             |
|                | 82°F<br>27.8°C     | TC    | 9031             | 9043             | 9053             | 9053             | 9066             | 9575             | 9587             | 9596             | 9598             | 9610             | 10147            | 10161            | 10172            | 10174            | 10185            | 10759            | 10771            | 10782            | 10784            | 10797            |
|                |                    | S/T   | 0.40             | 0.47             | 0.53             | 0.53             | 0.61             | 0.42             | 0.50             | 0.57             | 0.57             | 0.64             | 0.45             | 0.53             | 0.60             | 0.60             | 0.68             | 0.48             | 0.56             | 0.64             | 0.64             | 0.72             |
|                |                    | PI    | 0.42             | 0.42             | 0.42             | 0.42             | 0.42             | 0.44             | 0.44             | 0.44             | 0.44             | 0.44             | 0.47             | 0.47             | 0.47             | 0.47             | 0.47             | 0.50             | 0.50             | 0.50             | 0.50             | 0.50             |
|                | 86°F<br>30°C       | TC    | 8853             | 8865             | 8875             | 8875             | 8887             | 9387             | 9398             | 9407             | 9409             | 9420             | 9948             | 9961             | 9972             | 9974             | 9985             | 10547            | 10559            | 10570            | 10572            | 10585            |
|                |                    | S/T   | 0.41             | 0.48             | 0.54             | 0.54             | 0.62             | 0.43             | 0.50             | 0.57             | 0.57             | 0.65             | 0.46             | 0.53             | 0.61             | 0.61             | 0.69             | 0.48             | 0.57             | 0.64             | 0.64             | 0.73             |
|                |                    | PI    | 0.49             | 0.49             | 0.49             | 0.49             | 0.49             | 0.52             | 0.52             | 0.52             | 0.52             | 0.52             | 0.55             | 0.55             | 0.55             | 0.55             | 0.55             | 0.58             | 0.58             | 0.58             | 0.58             | 0.58             |
|                | 95°F<br>35°C       | TC    | 8453             | 8465             | 8474             | 8474             | 8486             | 8963             | 8973             | 8982             | 8984             | 8995             | 9498             | 9511             | 9521             | 9523             | 9534             | 10071            | 10081            | 10092            | 10094            | 10107            |
|                |                    | S/T   | 0.41             | 0.48             | 0.54             | 0.54             | 0.62             | 0.43             | 0.50             | 0.57             | 0.5              |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |

Table 11 – High Wall Cooling Performance (6K) (Continued)

| Airflow<br>CFM | Out-<br>door<br>DB | ID WB | 60.8°F (16.0°C)  |                  |                  |                  |                  | 64.4°F (16.0°C)  |                  |                  |                  |                  | 67.0°F (19.4°C)  |                  |                  |                  |                  | 71.6°F (22.0°C)  |                  |                  |                  |                  |
|----------------|--------------------|-------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
|                |                    | ID DB | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C |
| 376            | -22°F<br>30°C      | TC    | 7332             | 7342             | 7350             | 7350             | 7360             | 7774             | 7783             | 7791             | 7793             | 7802             | 8239             | 8249             | 8259             | 8260             | 8269             | 8735             | 8745             | 8754             | 8755             | 8766             |
|                |                    | S/T   | 0.41             | 0.49             | 0.55             | 0.55             | 0.63             | 0.44             | 0.52             | 0.59             | 0.59             | 0.67             | 0.47             | 0.55             | 0.62             | 0.62             | 0.71             | 0.49             | 0.58             | 0.66             | 0.66             | 0.75             |
|                |                    | PI    | 0.44             | 0.44             | 0.44             | 0.44             | 0.44             | 0.47             | 0.47             | 0.47             | 0.47             | 0.47             | 0.49             | 0.50             | 0.50             | 0.50             | 0.50             | 0.52             | 0.53             | 0.53             | 0.53             | 0.53             |
|                | -13°F<br>25°C      | TC    | 7943             | 7954             | 7963             | 7963             | 7974             | 8422             | 8432             | 8440             | 8442             | 8452             | 8925             | 8937             | 8947             | 8948             | 8958             | 9463             | 9473             | 9484             | 9485             | 9497             |
|                |                    | S/T   | 0.42             | 0.49             | 0.56             | 0.56             | 0.63             | 0.44             | 0.52             | 0.59             | 0.59             | 0.67             | 0.47             | 0.55             | 0.63             | 0.63             | 0.71             | 0.50             | 0.58             | 0.66             | 0.66             | 0.76             |
|                |                    | PI    | 0.48             | 0.48             | 0.48             | 0.48             | 0.48             | 0.51             | 0.51             | 0.51             | 0.51             | 0.51             | 0.54             | 0.54             | 0.54             | 0.54             | 0.54             | 0.57             | 0.57             | 0.57             | 0.57             | 0.57             |
|                | -4°F<br>20°C       | TC    | 8554             | 8566             | 8575             | 8576             | 8587             | 9070             | 9081             | 9090             | 9091             | 9102             | 9612             | 9624             | 9635             | 9637             | 9648             | 10191            | 10202            | 10213            | 10215            | 10227            |
|                |                    | S/T   | 0.42             | 0.49             | 0.56             | 0.56             | 0.64             | 0.44             | 0.52             | 0.59             | 0.59             | 0.68             | 0.47             | 0.55             | 0.63             | 0.63             | 0.72             | 0.50             | 0.59             | 0.67             | 0.67             | 0.76             |
|                |                    | PI    | 0.51             | 0.51             | 0.52             | 0.52             | 0.52             | 0.54             | 0.55             | 0.55             | 0.55             | 0.55             | 0.58             | 0.58             | 0.58             | 0.58             | 0.58             | 0.61             | 0.61             | 0.61             | 0.61             | 0.61             |
|                | 0°F<br>17.8°C      | TC    | 8826             | 8838             | 8847             | 8848             | 8860             | 9358             | 9369             | 9378             | 9380             | 9391             | 9917             | 9930             | 9941             | 9943             | 9954             | 10514            | 10526            | 10537            | 10539            | 10552            |
|                |                    | S/T   | 0.42             | 0.49             | 0.56             | 0.56             | 0.64             | 0.45             | 0.52             | 0.59             | 0.60             | 0.68             | 0.47             | 0.55             | 0.63             | 0.63             | 0.72             | 0.50             | 0.59             | 0.67             | 0.67             | 0.76             |
|                |                    | PI    | 0.53             | 0.53             | 0.53             | 0.53             | 0.53             | 0.56             | 0.56             | 0.56             | 0.56             | 0.56             | 0.60             | 0.60             | 0.60             | 0.60             | 0.60             | 0.63             | 0.63             | 0.63             | 0.63             | 0.63             |
|                | 5°F<br>15°C        | TC    | 9165             | 9178             | 9188             | 9188             | 9200             | 9718             | 9729             | 9739             | 9741             | 9752             | 10298            | 10312            | 10323            | 10325            | 10337            | 10919            | 10931            | 10943            | 10944            | 10958            |
|                |                    | S/T   | 0.42             | 0.50             | 0.56             | 0.56             | 0.64             | 0.45             | 0.53             | 0.60             | 0.60             | 0.68             | 0.48             | 0.56             | 0.63             | 0.63             | 0.72             | 0.50             | 0.59             | 0.67             | 0.67             | 0.77             |
|                |                    | PI    | 0.55             | 0.55             | 0.55             | 0.55             | 0.55             | 0.58             | 0.58             | 0.58             | 0.59             | 0.59             | 0.62             | 0.62             | 0.62             | 0.62             | 0.62             | 0.66             | 0.66             | 0.66             | 0.66             | 0.66             |
|                | 14°F<br>10°C       | TC    | 9500             | 9513             | 9523             | 9523             | 9536             | 10072            | 10084            | 10094            | 10096            | 10108            | 10674            | 10688            | 10700            | 10702            | 10714            | 11317            | 11330            | 11342            | 11344            | 11358            |
|                |                    | S/T   | 0.42             | 0.50             | 0.57             | 0.57             | 0.64             | 0.45             | 0.53             | 0.60             | 0.60             | 0.68             | 0.48             | 0.56             | 0.64             | 0.64             | 0.72             | 0.50             | 0.59             | 0.67             | 0.67             | 0.77             |
|                |                    | PI    | 0.57             | 0.57             | 0.57             | 0.57             | 0.57             | 0.61             | 0.61             | 0.61             | 0.61             | 0.61             | 0.64             | 0.64             | 0.64             | 0.64             | 0.64             | 0.68             | 0.68             | 0.68             | 0.68             | 0.68             |
|                | 17°F<br>10°C       | TC    | 9611             | 9624             | 9635             | 9635             | 9648             | 10191            | 10203            | 10213            | 10215            | 10227            | 10799            | 10813            | 10825            | 10827            | 10840            | 11450            | 11462            | 11475            | 11477            | 11491            |
|                |                    | S/T   | 0.43             | 0.50             | 0.57             | 0.57             | 0.65             | 0.45             | 0.53             | 0.60             | 0.60             | 0.69             | 0.48             | 0.56             | 0.64             | 0.64             | 0.73             | 0.51             | 0.59             | 0.68             | 0.68             | 0.77             |
|                |                    | PI    | 0.58             | 0.58             | 0.58             | 0.58             | 0.58             | 0.61             | 0.61             | 0.61             | 0.61             | 0.62             | 0.65             | 0.65             | 0.65             | 0.65             | 0.65             | 0.69             | 0.69             | 0.69             | 0.69             | 0.69             |
|                | 23°F<br>5°C        | TC    | 9945             | 9958             | 9969             | 9969             | 9983             | 10544            | 10556            | 10567            | 10569            | 10581            | 11174            | 11188            | 11201            | 11203            | 11215            | 11847            | 11860            | 11873            | 11875            | 11890            |
|                |                    | S/T   | 0.43             | 0.50             | 0.57             | 0.57             | 0.65             | 0.45             | 0.53             | 0.60             | 0.60             | 0.69             | 0.48             | 0.56             | 0.64             | 0.64             | 0.73             | 0.51             | 0.60             | 0.68             | 0.68             | 0.77             |
|                |                    | PI    | 0.59             | 0.59             | 0.59             | 0.59             | 0.59             | 0.62             | 0.62             | 0.62             | 0.62             | 0.62             | 0.66             | 0.66             | 0.66             | 0.66             | 0.66             | 0.70             | 0.70             | 0.70             | 0.70             | 0.70             |
|                | 35°F<br>1.7°C      | TC    | 10611            | 10625            | 10637            | 10637            | 10652            | 11251            | 11264            | 11275            | 11277            | 11291            | 11923            | 11938            | 11952            | 11954            | 11967            | 12641            | 12655            | 12669            | 12671            | 12686            |
|                |                    | S/T   | 0.43             | 0.50             | 0.57             | 0.57             | 0.65             | 0.46             | 0.53             | 0.61             | 0.61             | 0.69             | 0.48             | 0.57             | 0.64             | 0.64             | 0.73             | 0.51             | 0.60             | 0.68             | 0.68             | 0.78             |
|                |                    | PI    | 0.60             | 0.60             | 0.61             | 0.61             | 0.61             | 0.64             | 0.64             | 0.64             | 0.64             | 0.64             | 0.68             | 0.68             | 0.68             | 0.68             | 0.68             | 0.72             | 0.72             | 0.72             | 0.72             | 0.72             |
|                | 41°F<br>5°C        | TC    | 9640             | 9653             | 9664             | 9664             | 9677             | 10221            | 10233            | 10243            | 10246            | 10258            | 10832            | 10846            | 10858            | 10860            | 10872            | 11485            | 11497            | 11510            | 11511            | 11526            |
|                |                    | S/T   | 0.43             | 0.50             | 0.57             | 0.57             | 0.65             | 0.46             | 0.54             | 0.61             | 0.61             | 0.69             | 0.48             | 0.57             | 0.64             | 0.64             | 0.73             | 0.51             | 0.60             | 0.68             | 0.68             | 0.78             |
|                |                    | PI    | 0.47             | 0.47             | 0.47             | 0.47             | 0.47             | 0.50             | 0.50             | 0.50             | 0.50             | 0.50             | 0.53             | 0.53             | 0.53             | 0.53             | 0.53             | 0.56             | 0.56             | 0.56             | 0.56             | 0.56             |
|                | 47°F<br>8.3°C      | TC    | 8669             | 8681             | 8690             | 8691             | 8703             | 9192             | 9203             | 9212             | 9214             | 9225             | 9741             | 9754             | 9765             | 9766             | 9777             | 10328            | 10339            | 10350            | 10352            | 10365            |
|                |                    | S/T   | 0.43             | 0.51             | 0.58             | 0.58             | 0.66             | 0.46             | 0.54             | 0.61             | 0.61             | 0.70             | 0.49             | 0.57             | 0.65             | 0.65             | 0.74             | 0.51             | 0.60             | 0.69             | 0.69             | 0.78             |
|                |                    | PI    | 0.34             | 0.34             | 0.34             | 0.34             | 0.34             | 0.36             | 0.36             | 0.36             | 0.36             | 0.36             | 0.38             | 0.38             | 0.38             | 0.38             | 0.38             | 0.40             | 0.40             | 0.41             | 0.41             | 0.41             |
|                | 50°F<br>10°C       | TC    | 8833             | 8845             | 8854             | 8854             | 8866             | 9365             | 9376             | 9385             | 9387             | 9398             | 9925             | 9937             | 9948             | 9950             | 9961             | 10522            | 10534            | 10545            | 10547            | 10560            |
|                |                    | S/T   | 0.43             | 0.51             | 0.58             | 0.58             | 0.66             | 0.46             | 0.54             | 0.61             | 0.61             | 0.70             | 0.49             | 0.57             | 0.65             | 0.65             | 0.74             | 0.52             | 0.61             | 0.69             | 0.69             | 0.79             |
|                |                    | PI    | 0.35             | 0.35             | 0.35             | 0.35             | 0.35             | 0.37             | 0.37             | 0.37             | 0.37             | 0.37             | 0.39             | 0.39             | 0.39             | 0.39             | 0.39             | 0.42             | 0.42             | 0.42             | 0.42             | 0.42             |
|                | 59°F<br>15°C       | TC    | 9323             | 9335             | 9345             | 9346             | 9358             | 9884             | 9896             | 9906             | 9908             | 9920             | 10475            | 10488            | 10500            | 10502            | 10514            | 11106            | 11118            | 11130            | 11132            | 11146            |
|                |                    | S/T   | 0.44             | 0.51             | 0.58             | 0.58             | 0.66             | 0.46             | 0.54             | 0.62             | 0.62             | 0.70             | 0.49             | 0.57             | 0.65             | 0.65             | 0.74             | 0.52             | 0.61             | 0.69             | 0.69             | 0.79             |
|                |                    | PI    | 0.38             | 0.38             | 0.38             | 0.38             | 0.38             | 0.40             | 0.40             | 0.40             | 0.40             | 0.40             | 0.42             | 0.42             | 0.42             | 0.42             | 0.42             | 0.45             | 0.45             | 0.45             | 0.45             | 0.45             |
|                | 68°F<br>20°C       | TC    | 9812             | 9826             | 9836             | 9837             | 9850             | 10404            | 10416            | 10426            | 10428            | 10441            | 11025            | 11040            | 11052            | 11054            | 11066            | 11690            | 11702            | 11715            | 11717            | 11731            |
|                |                    | S/T   | 0.45             | 0.53             | 0.60             | 0.60             | 0.68             | 0.47             | 0.56             | 0.63             | 0.63             | 0.72             | 0.50             | 0.59             | 0.67             | 0.67             | 0.76             | 0.53             | 0.63             | 0.71             | 0.71             | 0.81             |
|                |                    | PI    | 0.40             | 0.40             | 0.40             | 0.40             | 0.41             | 0.43             | 0.43             | 0.43             | 0.43             | 0.43             | 0.45             | 0.45             | 0.45             | 0.45             | 0.46             | 0.48             | 0.48             | 0.48             | 0.48             | 0.48             |
|                | 77°F<br>25°C       | TC    | 10302            | 10316            | 10327            | 10328            | 10342            | 10923            | 10936            | 10947            | 10949            | 10962            | 11576            | 11591            | 11604            | 11606            | 11619            | 12273            | 12286            | 12300            | 12302            | 12317            |
|                |                    | S/T   | 0.45             | 0.53             | 0.60             | 0.60             | 0.69             | 0.48             | 0.56             | 0.64             | 0.64             | 0.73             | 0.51             | 0.60             | 0.68             | 0.68             | 0.77             | 0.54             | 0.63             | 0.72             | 0.72             | 0.82             |
|                |                    | PI    | 0.43             | 0.43             | 0.43             | 0.43             | 0.43             | 0.46             | 0.46             | 0.46             | 0.46             | 0.46             | 0.48             | 0.49             | 0.49             | 0.49             | 0.49             | 0.51             | 0.51             | 0.52             | 0.52             | 0.52             |
|                | 82°F<br>27.8°C     | TC    | 10370            | 10384            | 10395            | 10395            | 10409            | 10995            | 11008            | 11019            | 11021            | 11034            | 11652            | 11667            | 11680            | 11682            | 11695            | 12354            | 12367            | 12380            | 12382            | 12398            |
|                |                    | S/T   | 0.46             | 0.54             | 0.61             | 0.61             | 0.70             | 0.49             | 0.57             | 0.65             | 0.65             | 0.74             | 0.52             | 0.61             | 0.69             | 0.69             | 0.78             | 0.55             | 0.64             | 0.73             | 0.73             | 0.83             |
|                |                    | PI    | 0.48             | 0.48             | 0.48             | 0.48             | 0.48             | 0.51             | 0.51             | 0.51             | 0.51             | 0.51             | 0.54             | 0.54             | 0.54             | 0.54             | 0.54             | 0.57             | 0.57             | 0.57             | 0.57             | 0.57             |
|                | 86°F<br>30°C       | TC    | 10166            | 10179            | 10190            | 10191            | 10204            | 10778            | 10791            | 10802            | 10804            | 10817            | 11422            | 11437            | 11450            | 11452            | 11465            | 12110            | 12124            | 12137            | 12139            | 12154            |
|                |                    | S/T   | 0.47             | 0.55             | 0.62             | 0.62             | 0.71             | 0.49             | 0.58             | 0.66             | 0.66             | 0.75             | 0.52             | 0.61             | 0.70             | 0.70             | 0.79             | 0.55             | 0.65             | 0.74             | 0.74             | 0.84             |
|                |                    | PI    | 0.56             | 0.56             | 0.56             | 0.56             | 0.56             | 0.59             | 0.59             | 0.59             | 0.59             | 0.59             | 0.63             | 0.63             | 0.63             | 0.63             | 0.63             | 0.67             | 0.67             | 0.67             |                  |                  |

Table 11 – High Wall Cooling Performance (6K) (Continued)

| Airflow<br>CFM | Out-<br>door<br>DB | ID WB | 60.8°F (16.0°C)  |                  |                  |                  |                  | 64.4°F (16.0°C)  |                  |                  |                  |                  | 67.0°F (19.4°C)  |                  |                  |                  |                  | 71.6°F (22.0°C)  |                  |                  |                  |                  |
|----------------|--------------------|-------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
|                |                    | ID DB | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C |
| 441            | -22°F<br>30°C      | TC    | 8419             | 8430             | 8440             | 8440             | 8451             | 8926             | 8937             | 8946             | 8948             | 8958             | 9460             | 9472             | 9483             | 9484             | 9495             | 10030            | 10041            | 10052            | 10053            | 10066            |
|                |                    | S/T   | 0.48             | 0.56             | 0.63             | 0.63             | 0.72             | 0.50             | 0.59             | 0.67             | 0.67             | 0.77             | 0.53             | 0.63             | 0.71             | 0.71             | 0.81             | 0.57             | 0.67             | 0.76             | 0.76             | 0.86             |
|                |                    | PI    | 0.51             | 0.51             | 0.51             | 0.51             | 0.51             | 0.54             | 0.54             | 0.54             | 0.54             | 0.54             | 0.57             | 0.57             | 0.57             | 0.57             | 0.57             | 0.60             | 0.60             | 0.60             | 0.60             | 0.60             |
|                | -13°F<br>25°C      | TC    | 9121             | 9133             | 9143             | 9143             | 9156             | 9670             | 9682             | 9691             | 9693             | 9705             | 10248            | 10261            | 10273            | 10275            | 10286            | 10866            | 10877            | 10889            | 10891            | 10904            |
|                |                    | S/T   | 0.48             | 0.56             | 0.64             | 0.64             | 0.73             | 0.51             | 0.60             | 0.68             | 0.68             | 0.77             | 0.54             | 0.63             | 0.72             | 0.72             | 0.82             | 0.57             | 0.67             | 0.76             | 0.76             | 0.87             |
|                |                    | PI    | 0.55             | 0.55             | 0.55             | 0.55             | 0.55             | 0.58             | 0.58             | 0.58             | 0.58             | 0.58             | 0.62             | 0.62             | 0.62             | 0.62             | 0.62             | 0.65             | 0.65             | 0.65             | 0.65             | 0.66             |
|                | -4°F<br>20°C       | TC    | 9822             | 9835             | 9846             | 9847             | 9860             | 10414            | 10427            | 10437            | 10439            | 10451            | 11036            | 11051            | 11063            | 11065            | 11077            | 11701            | 11714            | 11727            | 11729            | 11743            |
|                |                    | S/T   | 0.48             | 0.57             | 0.64             | 0.64             | 0.73             | 0.51             | 0.60             | 0.68             | 0.68             | 0.78             | 0.54             | 0.64             | 0.72             | 0.72             | 0.82             | 0.57             | 0.67             | 0.77             | 0.77             | 0.87             |
|                |                    | PI    | 0.59             | 0.59             | 0.59             | 0.59             | 0.59             | 0.63             | 0.63             | 0.63             | 0.63             | 0.63             | 0.66             | 0.66             | 0.66             | 0.66             | 0.67             | 0.70             | 0.70             | 0.70             | 0.70             | 0.71             |
|                | 0°F<br>17.8°C      | TC    | 10134            | 10148            | 10159            | 10159            | 10173            | 10745            | 10758            | 10768            | 10770            | 10783            | 11387            | 11402            | 11414            | 11416            | 11429            | 12073            | 12086            | 12099            | 12101            | 12116            |
|                |                    | S/T   | 0.48             | 0.57             | 0.64             | 0.64             | 0.73             | 0.51             | 0.60             | 0.68             | 0.68             | 0.78             | 0.54             | 0.64             | 0.72             | 0.72             | 0.83             | 0.58             | 0.68             | 0.77             | 0.77             | 0.88             |
|                |                    | PI    | 0.61             | 0.61             | 0.61             | 0.61             | 0.61             | 0.65             | 0.65             | 0.65             | 0.65             | 0.65             | 0.68             | 0.68             | 0.69             | 0.69             | 0.69             | 0.73             | 0.73             | 0.73             | 0.73             | 0.73             |
|                | 5°F<br>15°C        | TC    | 10524            | 10538            | 10549            | 10550            | 10564            | 11158            | 11171            | 11182            | 11185            | 11198            | 11825            | 11840            | 11853            | 11855            | 11869            | 12537            | 12551            | 12564            | 12566            | 12582            |
|                |                    | S/T   | 0.49             | 0.57             | 0.65             | 0.65             | 0.74             | 0.51             | 0.60             | 0.69             | 0.69             | 0.78             | 0.55             | 0.64             | 0.73             | 0.73             | 0.83             | 0.58             | 0.68             | 0.77             | 0.77             | 0.88             |
|                |                    | PI    | 0.63             | 0.63             | 0.63             | 0.63             | 0.63             | 0.67             | 0.67             | 0.67             | 0.67             | 0.67             | 0.71             | 0.71             | 0.71             | 0.71             | 0.71             | 0.75             | 0.75             | 0.75             | 0.75             | 0.76             |
|                | 14°F<br>10°C       | TC    | 10908            | 10923            | 10934            | 10935            | 10950            | 11565            | 11579            | 11590            | 11593            | 11606            | 12256            | 12272            | 12286            | 12288            | 12302            | 12995            | 13009            | 13023            | 13025            | 13041            |
|                |                    | S/T   | 0.49             | 0.57             | 0.65             | 0.65             | 0.74             | 0.52             | 0.61             | 0.69             | 0.69             | 0.78             | 0.55             | 0.64             | 0.73             | 0.73             | 0.83             | 0.58             | 0.68             | 0.77             | 0.77             | 0.88             |
|                |                    | PI    | 0.66             | 0.66             | 0.66             | 0.66             | 0.66             | 0.70             | 0.70             | 0.70             | 0.70             | 0.70             | 0.74             | 0.74             | 0.74             | 0.74             | 0.74             | 0.78             | 0.78             | 0.78             | 0.78             | 0.78             |
|                | 17°F<br>10°C       | TC    | 11036            | 11051            | 11063            | 11063            | 11078            | 11701            | 11715            | 11726            | 11729            | 11743            | 12400            | 12416            | 12430            | 12432            | 12446            | 13147            | 13161            | 13176            | 13178            | 13194            |
|                |                    | S/T   | 0.49             | 0.57             | 0.65             | 0.65             | 0.74             | 0.52             | 0.61             | 0.69             | 0.69             | 0.79             | 0.55             | 0.64             | 0.73             | 0.73             | 0.83             | 0.58             | 0.68             | 0.78             | 0.78             | 0.88             |
|                |                    | PI    | 0.66             | 0.67             | 0.67             | 0.67             | 0.67             | 0.70             | 0.70             | 0.71             | 0.71             | 0.71             | 0.75             | 0.75             | 0.75             | 0.75             | 0.75             | 0.79             | 0.79             | 0.79             | 0.79             | 0.79             |
|                | 23°F<br>5°C        | TC    | 11419            | 11434            | 11446            | 11447            | 11462            | 12107            | 12121            | 12133            | 12135            | 12150            | 12830            | 12847            | 12861            | 12863            | 12878            | 13603            | 13618            | 13633            | 13635            | 13652            |
|                |                    | S/T   | 0.49             | 0.58             | 0.65             | 0.65             | 0.75             | 0.52             | 0.61             | 0.69             | 0.69             | 0.79             | 0.55             | 0.65             | 0.74             | 0.74             | 0.84             | 0.58             | 0.69             | 0.78             | 0.78             | 0.89             |
|                |                    | PI    | 0.67             | 0.67             | 0.68             | 0.68             | 0.68             | 0.71             | 0.72             | 0.72             | 0.72             | 0.72             | 0.76             | 0.76             | 0.76             | 0.76             | 0.76             | 0.80             | 0.80             | 0.80             | 0.80             | 0.81             |
|                | 35°F<br>1.7°C      | TC    | 12184            | 12200            | 12213            | 12214            | 12230            | 12918            | 12934            | 12946            | 12949            | 12964            | 13690            | 13708            | 13723            | 13726            | 13741            | 14515            | 14531            | 14546            | 14549            | 14567            |
|                |                    | S/T   | 0.49             | 0.58             | 0.66             | 0.66             | 0.75             | 0.52             | 0.61             | 0.70             | 0.70             | 0.79             | 0.55             | 0.65             | 0.74             | 0.74             | 0.84             | 0.59             | 0.69             | 0.78             | 0.78             | 0.89             |
|                |                    | PI    | 0.69             | 0.69             | 0.70             | 0.70             | 0.70             | 0.74             | 0.74             | 0.74             | 0.74             | 0.74             | 0.78             | 0.78             | 0.78             | 0.78             | 0.78             | 0.83             | 0.83             | 0.83             | 0.83             | 0.83             |
|                | 41°F<br>5°C        | TC    | 11069            | 11084            | 11096            | 11096            | 11111            | 11736            | 11750            | 11762            | 11764            | 11778            | 12437            | 12454            | 12467            | 12470            | 12484            | 13187            | 13201            | 13215            | 13218            | 13234            |
|                |                    | S/T   | 0.49             | 0.58             | 0.66             | 0.66             | 0.75             | 0.52             | 0.61             | 0.70             | 0.70             | 0.80             | 0.56             | 0.65             | 0.74             | 0.74             | 0.84             | 0.59             | 0.69             | 0.78             | 0.78             | 0.89             |
|                |                    | PI    | 0.54             | 0.54             | 0.54             | 0.54             | 0.54             | 0.57             | 0.57             | 0.58             | 0.58             | 0.58             | 0.61             | 0.61             | 0.61             | 0.61             | 0.61             | 0.65             | 0.65             | 0.65             | 0.65             | 0.65             |
|                | 47°F<br>8.3°C      | TC    | 9954             | 9968             | 9978             | 9979             | 9992             | 10554            | 10567            | 10577            | 10579            | 10592            | 11185            | 11199            | 11212            | 11214            | 11226            | 11859            | 11872            | 11885            | 11886            | 11901            |
|                |                    | S/T   | 0.50             | 0.58             | 0.66             | 0.66             | 0.75             | 0.53             | 0.62             | 0.70             | 0.70             | 0.80             | 0.56             | 0.65             | 0.74             | 0.74             | 0.85             | 0.59             | 0.69             | 0.79             | 0.79             | 0.90             |
|                |                    | PI    | 0.39             | 0.39             | 0.39             | 0.39             | 0.39             | 0.41             | 0.41             | 0.41             | 0.41             | 0.41             | 0.44             | 0.44             | 0.44             | 0.44             | 0.44             | 0.46             | 0.46             | 0.47             | 0.47             | 0.47             |
|                | 50°F<br>10°C       | TC    | 10142            | 10155            | 10166            | 10167            | 10181            | 10753            | 10766            | 10776            | 10779            | 10791            | 11395            | 11410            | 11423            | 11425            | 11438            | 12082            | 12095            | 12108            | 12110            | 12125            |
|                |                    | S/T   | 0.50             | 0.58             | 0.66             | 0.66             | 0.76             | 0.53             | 0.62             | 0.70             | 0.70             | 0.80             | 0.56             | 0.66             | 0.75             | 0.75             | 0.85             | 0.59             | 0.70             | 0.79             | 0.79             | 0.90             |
|                |                    | PI    | 0.40             | 0.40             | 0.40             | 0.40             | 0.40             | 0.42             | 0.42             | 0.43             | 0.43             | 0.43             | 0.45             | 0.45             | 0.45             | 0.45             | 0.45             | 0.48             | 0.48             | 0.48             | 0.48             | 0.48             |
|                | 59°F<br>15°C       | TC    | 10704            | 10719            | 10730            | 10731            | 10745            | 11349            | 11363            | 11374            | 11376            | 11390            | 12027            | 12043            | 12056            | 12059            | 12072            | 12752            | 12766            | 12780            | 12782            | 12798            |
|                |                    | S/T   | 0.50             | 0.59             | 0.67             | 0.67             | 0.76             | 0.53             | 0.62             | 0.71             | 0.71             | 0.81             | 0.56             | 0.66             | 0.75             | 0.75             | 0.86             | 0.60             | 0.70             | 0.80             | 0.80             | 0.91             |
|                |                    | PI    | 0.43             | 0.43             | 0.43             | 0.43             | 0.43             | 0.46             | 0.46             | 0.46             | 0.46             | 0.46             | 0.49             | 0.49             | 0.49             | 0.49             | 0.49             | 0.51             | 0.52             | 0.52             | 0.52             | 0.52             |
|                | 68°F<br>20°C       | TC    | 11267            | 11282            | 11294            | 11295            | 11310            | 11946            | 11960            | 11972            | 11974            | 11988            | 12659            | 12676            | 12690            | 12692            | 12706            | 13422            | 13437            | 13451            | 13453            | 13470            |
|                |                    | S/T   | 0.51             | 0.60             | 0.69             | 0.69             | 0.78             | 0.54             | 0.64             | 0.73             | 0.73             | 0.83             | 0.58             | 0.68             | 0.77             | 0.77             | 0.88             | 0.61             | 0.72             | 0.82             | 0.82             | 0.93             |
|                |                    | PI    | 0.46             | 0.46             | 0.46             | 0.46             | 0.47             | 0.49             | 0.49             | 0.49             | 0.49             | 0.49             | 0.52             | 0.52             | 0.52             | 0.52             | 0.52             | 0.55             | 0.55             | 0.55             | 0.55             | 0.55             |
|                | 77°F<br>25°C       | TC    | 11829            | 11845            | 11858            | 11858            | 11874            | 12542            | 12557            | 12569            | 12572            | 12587            | 13291            | 13309            | 13323            | 13326            | 13341            | 14092            | 14107            | 14123            | 14125            | 14143            |
|                |                    | S/T   | 0.52             | 0.61             | 0.69             | 0.69             | 0.79             | 0.55             | 0.65             | 0.74             | 0.74             | 0.84             | 0.59             | 0.69             | 0.78             | 0.78             | 0.89             | 0.62             | 0.73             | 0.83             | 0.83             | 0.94             |
|                |                    | PI    | 0.50             | 0.50             | 0.50             | 0.50             | 0.50             | 0.53             | 0.53             | 0.53             | 0.53             | 0.53             | 0.56             | 0.56             | 0.56             | 0.56             | 0.56             | 0.59             | 0.59             | 0.59             | 0.59             | 0.59             |
|                | 82°F<br>27.8°C     | TC    | 11907            | 11923            | 11936            | 11936            | 11952            | 12624            | 12639            | 12652            | 12654            | 12669            | 13378            | 13396            | 13411            | 13413            | 13428            | 14185            | 14200            | 14215            | 14218            | 14235            |
|                |                    | S/T   | 0.53             | 0.62             | 0.70             | 0.70             | 0.80             | 0.56             | 0.66             | 0.75             | 0.75             | 0.85             | 0.59             | 0.70             | 0.79             | 0.79             | 0.90             | 0.63             | 0.74             | 0.84             | 0.84             | 0.95             |
|                |                    | PI    | 0.55             | 0.55             | 0.55             | 0.55             | 0.55             | 0.58             | 0.58             | 0.58             | 0.58             | 0.59             | 0.62             | 0.62             | 0.62             | 0.62             | 0.62             | 0.66             | 0.66             | 0.66             | 0.66             | 0.66             |
|                | 86°F<br>30°C       | TC    | 11672            | 11688            | 11701            | 11701            | 11717            | 12376            | 12390            | 12403            | 12405            | 12420            | 13115            | 13132            | 13147            | 13149            | 13164            | 13905            | 13920            | 13936            | 13938            | 13955            |
|                |                    | S/T   | 0.53             | 0.63             | 0.71             | 0.71             | 0.81             | 0.57             | 0.66             | 0.75             | 0.75             | 0.86             | 0.60             | 0.70             | 0.80             | 0.80             | 0.91             | 0.64             | 0.75             | 0.85             | 0.85             | 0.97             |
|                |                    | PI    | 0.64             | 0.64             | 0.64             | 0.64             | 0.64             | 0.68             | 0.68             | 0.68             | 0.68             | 0.68             | 0.72             | 0.72             | 0.72             | 0.72             | 0.72             | 0.76             | 0.76             | 0.77             | 0.77             | 0.77             |
|                | 95°F<br>35°C</     |       |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |

Table 12 – High Wall Heating Performance (6K)

| AIRFLOW<br>(CFM) | HEATING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE |                                     |                  |                  |                    |                    |                        |                  |                  |                    |                    |
|------------------|----------------------------------------------------|-------------------------------------|------------------|------------------|--------------------|--------------------|------------------------|------------------|------------------|--------------------|--------------------|
|                  | OUTDOOR<br>DB                                      | TC: Total Heating Capacity (BTU/hr) |                  |                  |                    |                    | PI: Power Input (kW)   |                  |                  |                    |                    |
|                  |                                                    | Indoor Conditions (DB)              |                  |                  |                    |                    | Indoor Conditions (DB) |                  |                  |                    |                    |
|                  |                                                    | 60.8°F<br>(16.0°C)                  | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) | 60.8°F<br>(16.0°C)     | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) |
| 176              | -22°F (-30.0°C)                                    | 2071                                | 2030             | 2020             | 1471               | 1458               | 0.73                   | 0.73             | 0.74             | 0.74               | 0.74               |
|                  | -13°F (-25.0°C)                                    | 2783                                | 2727             | 2714             | 1900               | 1883               | 0.78                   | 0.79             | 0.79             | 0.79               | 0.79               |
|                  | -4°F (-20.0°C)                                     | 3472                                | 3402             | 3385             | 2371               | 2349               | 0.84                   | 0.85             | 0.85             | 0.85               | 0.86               |
|                  | 0°F (-17.8°C)                                      | 4483                                | 4393             | 4371             | 3061               | 3033               | 0.91                   | 0.92             | 0.92             | 0.92               | 0.93               |
|                  | 5°F (-15.0°C)                                      | 5746                                | 5631             | 5603             | 3924               | 3888               | 1.00                   | 1.00             | 1.01             | 1.01               | 1.01               |
|                  | 14°F (-10.0°C)                                     | 5831                                | 5715             | 5686             | 3982               | 3946               | 1.01                   | 1.02             | 1.02             | 1.03               | 1.03               |
|                  | 17°F (-8.3°C)                                      | 5860                                | 5742             | 5714             | 4001               | 3965               | 1.02                   | 1.03             | 1.03             | 1.03               | 1.04               |
|                  | 22°F (-5.6°C)                                      | 6206                                | 6082             | 6052             | 4238               | 4200               | 1.07                   | 1.08             | 1.08             | 1.09               | 1.09               |
|                  | 27°F (-2.8°C)                                      | 6553                                | 6422             | 6390             | 4474               | 4434               | 1.13                   | 1.13             | 1.14             | 1.14               | 1.14               |
|                  | 32°F (0.0°C)                                       | 6900                                | 6762             | 6728             | 4711               | 4669               | 1.18                   | 1.19             | 1.19             | 1.19               | 1.20               |
|                  | 35°F (1.7°C)                                       | 7108                                | 6966             | 6931             | 4853               | 4810               | 1.21                   | 1.22             | 1.22             | 1.23               | 1.23               |
|                  | 37°F (2.8°C)                                       | 7236                                | 7091             | 7056             | 4941               | 4896               | 1.18                   | 1.19             | 1.20             | 1.20               | 1.20               |
|                  | 42°F (5.6°C)                                       | 7555                                | 7404             | 7367             | 5159               | 5112               | 1.12                   | 1.12             | 1.13             | 1.13               | 1.13               |
|                  | 44.6°F (7.0°C)                                     | 7683                                | 7530             | 7492             | 5246               | 5199               | 1.09                   | 1.10             | 1.10             | 1.10               | 1.11               |
|                  | 47°F (8.3°C)                                       | 7875                                | 7718             | 7679             | 5377               | 5329               | 1.05                   | 1.06             | 1.06             | 1.06               | 1.06               |
|                  | 52°F (11.1°C)                                      | 8196                                | 8032             | 7992             | 5596               | 5546               | 0.98                   | 0.99             | 0.99             | 1.00               | 1.00               |
|                  | 57°F (13.9°C)                                      | 8517                                | 8347             | 8305             | 5815               | 5763               | 0.92                   | 0.93             | 0.93             | 0.93               | 0.94               |
|                  | 59°F (15.0°C)                                      | 8645                                | 8472             | 8430             | 5903               | 5850               | 0.89                   | 0.90             | 0.90             | 0.91               | 0.91               |
|                  | 62°F (16.7°C)                                      | 8838                                | 8661             | 8618             | 6035               | 5980               | 0.86                   | 0.86             | 0.87             | 0.87               | 0.87               |
|                  | 64.4°F (18.0°C)                                    | 8966                                | 8787             | 8743             | 6122               | 6067               | 0.83                   | 0.84             | 0.84             | 0.84               | 0.84               |
| 318              | -22°F (-30.0°C)                                    | 2426                                | 2377             | 2365             | 2014               | 1996               | 0.74                   | 0.74             | 0.74             | 0.74               | 0.75               |
|                  | -13°F (-25.0°C)                                    | 3196                                | 3132             | 3116             | 2602               | 2579               | 0.79                   | 0.80             | 0.80             | 0.80               | 0.80               |
|                  | -4°F (-20.0°C)                                     | 3986                                | 3907             | 3887             | 3246               | 3217               | 0.85                   | 0.86             | 0.86             | 0.86               | 0.87               |
|                  | 0°F (-17.8°C)                                      | 5147                                | 5044             | 5019             | 4191               | 4154               | 0.92                   | 0.93             | 0.93             | 0.93               | 0.94               |
|                  | 5°F (-15.0°C)                                      | 6598                                | 6466             | 6434             | 5373               | 5325               | 1.01                   | 1.01             | 1.02             | 1.02               | 1.02               |
|                  | 14°F (-10.0°C)                                     | 6696                                | 6562             | 6529             | 5452               | 5403               | 1.02                   | 1.03             | 1.03             | 1.04               | 1.04               |
|                  | 17°F (-8.3°C)                                      | 6728                                | 6594             | 6561             | 5479               | 5430               | 1.03                   | 1.04             | 1.04             | 1.04               | 1.05               |
|                  | 22°F (-5.6°C)                                      | 7126                                | 6984             | 6949             | 5803               | 5751               | 1.08                   | 1.09             | 1.09             | 1.10               | 1.10               |
|                  | 27°F (-2.8°C)                                      | 7524                                | 7374             | 7337             | 6127               | 6072               | 1.14                   | 1.15             | 1.15             | 1.15               | 1.16               |
|                  | 32°F (0.0°C)                                       | 7922                                | 7764             | 7725             | 6451               | 6393               | 1.19                   | 1.20             | 1.20             | 1.20               | 1.21               |
|                  | 35°F (1.7°C)                                       | 8161                                | 7998             | 7958             | 6646               | 6586               | 1.22                   | 1.23             | 1.23             | 1.24               | 1.24               |
|                  | 37°F (2.8°C)                                       | 8308                                | 8142             | 8101             | 6766               | 6705               | 1.20                   | 1.20             | 1.21             | 1.21               | 1.21               |
|                  | 42°F (5.6°C)                                       | 8675                                | 8502             | 8459             | 7065               | 7001               | 1.13                   | 1.14             | 1.14             | 1.14               | 1.15               |
|                  | 44.6°F (7.0°C)                                     | 8822                                | 8646             | 8602             | 7184               | 7120               | 1.10                   | 1.11             | 1.11             | 1.11               | 1.12               |
|                  | 47°F (8.3°C)                                       | 9042                                | 8862             | 8817             | 7364               | 7297               | 1.06                   | 1.07             | 1.07             | 1.07               | 1.08               |
|                  | 52°F (11.1°C)                                      | 9411                                | 9223             | 9177             | 7664               | 7595               | 0.99                   | 1.00             | 1.00             | 1.01               | 1.01               |
|                  | 57°F (13.9°C)                                      | 9779                                | 9584             | 9536             | 7964               | 7892               | 0.93                   | 0.94             | 0.94             | 0.94               | 0.94               |
|                  | 59°F (15.0°C)                                      | 9927                                | 9728             | 9680             | 8084               | 8011               | 0.90                   | 0.91             | 0.91             | 0.91               | 0.92               |
|                  | 62°F (16.7°C)                                      | 10148                               | 9945             | 9895             | 8264               | 8189               | 0.87                   | 0.87             | 0.87             | 0.88               | 0.88               |
|                  | 64.4°F (18.0°C)                                    | 10295                               | 10089            | 10039            | 8384               | 8308               | 0.84                   | 0.85             | 0.85             | 0.85               | 0.85               |

Table 12 – High Wall Heating Performance (6K) (Continued)

| AIRFLOW<br>(CFM) | HEATING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE |                                     |                  |                  |                    |                    |                        |                  |                  |                    |                    |
|------------------|----------------------------------------------------|-------------------------------------|------------------|------------------|--------------------|--------------------|------------------------|------------------|------------------|--------------------|--------------------|
|                  | OUTDOOR<br>DB                                      | TC: Total Heating Capacity (BTU/hr) |                  |                  |                    |                    | PI: Power Input (kW)   |                  |                  |                    |                    |
|                  |                                                    | Indoor Conditions (DB)              |                  |                  |                    |                    | Indoor Conditions (DB) |                  |                  |                    |                    |
|                  |                                                    | 60.8°F<br>(16.0°C)                  | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) | 60.8°F<br>(16.0°C)     | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) |
| 388              | -22°F (-30.0°C)                                    | 2840                                | 2783             | 2769             | 2758               | 2734               | 0.74                   | 0.75             | 0.75             | 0.75               | 0.75               |
|                  | -13°F (-25.0°C)                                    | 3669                                | 3596             | 3578             | 3563               | 3531               | 0.80                   | 0.80             | 0.81             | 0.81               | 0.81               |
|                  | -4°F (-20.0°C)                                     | 4577                                | 4486             | 4463             | 4445               | 4405               | 0.86                   | 0.87             | 0.87             | 0.87               | 0.87               |
|                  | 0°F (-17.8°C)                                      | 5910                                | 5792             | 5763             | 5740               | 5688               | 0.93                   | 0.94             | 0.94             | 0.94               | 0.94               |
|                  | 5°F (-15.0°C)                                      | 7576                                | 7424             | 7387             | 7358               | 7292               | 1.02                   | 1.02             | 1.03             | 1.03               | 1.03               |
|                  | 14°F (-10.0°C)                                     | 7688                                | 7534             | 7497             | 7467               | 7399               | 1.03                   | 1.04             | 1.04             | 1.05               | 1.05               |
|                  | 17°F (-8.3°C)                                      | 7725                                | 7571             | 7533             | 7503               | 7435               | 1.04                   | 1.05             | 1.05             | 1.05               | 1.06               |
|                  | 22°F (-5.6°C)                                      | 8182                                | 8019             | 7979             | 7947               | 7875               | 1.09                   | 1.10             | 1.11             | 1.11               | 1.11               |
|                  | 27°F (-2.8°C)                                      | 8640                                | 8467             | 8424             | 8391               | 8315               | 1.15                   | 1.16             | 1.16             | 1.16               | 1.17               |
|                  | 32°F (0.0°C)                                       | 9097                                | 8915             | 8870             | 8835               | 8755               | 1.20                   | 1.21             | 1.21             | 1.22               | 1.22               |
|                  | 35°F (1.7°C)                                       | 9371                                | 9183             | 9138             | 9101               | 9019               | 1.23                   | 1.24             | 1.25             | 1.25               | 1.25               |
|                  | 37°F (2.8°C)                                       | 9540                                | 9349             | 9302             | 9265               | 9181               | 1.21                   | 1.22             | 1.22             | 1.22               | 1.23               |
|                  | 42°F (5.6°C)                                       | 9961                                | 9762             | 9713             | 9674               | 9587               | 1.14                   | 1.15             | 1.15             | 1.15               | 1.16               |
|                  | 44.6°F (7.0°C)                                     | 10130                               | 9927             | 9877             | 9838               | 9749               | 1.11                   | 1.12             | 1.12             | 1.12               | 1.13               |
|                  | 47°F (8.3°C)                                       | 10383                               | 10175            | 10124            | 10084              | 9993               | 1.07                   | 1.08             | 1.08             | 1.08               | 1.09               |
|                  | 52°F (11.1°C)                                      | 10806                               | 10590            | 10537            | 10495              | 10400              | 1.00                   | 1.01             | 1.01             | 1.02               | 1.02               |
|                  | 57°F (13.9°C)                                      | 11229                               | 11004            | 10949            | 10905              | 10807              | 0.94                   | 0.95             | 0.95             | 0.95               | 0.95               |
|                  | 59°F (15.0°C)                                      | 11398                               | 11170            | 11114            | 11070              | 10970              | 0.91                   | 0.92             | 0.92             | 0.92               | 0.93               |
|                  | 62°F (16.7°C)                                      | 11652                               | 11419            | 11362            | 11316              | 11214              | 0.87                   | 0.88             | 0.88             | 0.88               | 0.89               |
|                  | 64.4°F (18.0°C)                                    | 11821                               | 11585            | 11527            | 11481              | 11377              | 0.85                   | 0.85             | 0.86             | 0.86               | 0.86               |
| 447              | -22°F (-30.0°C)                                    | 3261                                | 3196             | 3180             | 3167               | 3139               | 0.75                   | 0.76             | 0.76             | 0.76               | 0.76               |
|                  | -13°F (-25.0°C)                                    | 4213                                | 4129             | 4108             | 4092               | 4055               | 0.81                   | 0.81             | 0.81             | 0.82               | 0.82               |
|                  | -4°F (-20.0°C)                                     | 5256                                | 5151             | 5125             | 5104               | 5058               | 0.87                   | 0.88             | 0.88             | 0.88               | 0.88               |
|                  | 0°F (-17.8°C)                                      | 6786                                | 6650             | 6617             | 6591               | 6531               | 0.94                   | 0.95             | 0.95             | 0.95               | 0.95               |
|                  | 5°F (-15.0°C)                                      | 8699                                | 8525             | 8482             | 8448               | 8372               | 1.03                   | 1.03             | 1.04             | 1.04               | 1.04               |
|                  | 14°F (-10.0°C)                                     | 8827                                | 8651             | 8608             | 8573               | 8496               | 1.04                   | 1.05             | 1.06             | 1.06               | 1.06               |
|                  | 17°F (-8.3°C)                                      | 8870                                | 8693             | 8649             | 8615               | 8537               | 1.05                   | 1.06             | 1.06             | 1.06               | 1.07               |
|                  | 22°F (-5.6°C)                                      | 9395                                | 9207             | 9161             | 9125               | 9042               | 1.11                   | 1.11             | 1.12             | 1.12               | 1.12               |
|                  | 27°F (-2.8°C)                                      | 9920                                | 9722             | 9673             | 9634               | 9548               | 1.16                   | 1.17             | 1.17             | 1.17               | 1.18               |
|                  | 32°F (0.0°C)                                       | 10445                               | 10236            | 10185            | 10144              | 10053              | 1.21                   | 1.22             | 1.23             | 1.23               | 1.23               |
|                  | 35°F (1.7°C)                                       | 10760                               | 10545            | 10492            | 10450              | 10356              | 1.25                   | 1.26             | 1.26             | 1.26               | 1.27               |
|                  | 37°F (2.8°C)                                       | 10953                               | 10734            | 10681            | 10638              | 10542              | 1.22                   | 1.23             | 1.23             | 1.23               | 1.24               |
|                  | 42°F (5.6°C)                                       | 11437                               | 11209            | 11153            | 11108              | 11008              | 1.15                   | 1.16             | 1.16             | 1.16               | 1.17               |
|                  | 44.6°F (7.0°C)                                     | 11631                               | 11398            | 11341            | 11296              | 11194              | 1.12                   | 1.13             | 1.13             | 1.14               | 1.14               |
|                  | 47°F (8.3°C)                                       | 11922                               | 11683            | 11625            | 11578              | 11474              | 1.08                   | 1.09             | 1.09             | 1.09               | 1.10               |
|                  | 52°F (11.1°C)                                      | 12407                               | 12159            | 12098            | 12050              | 11942              | 1.01                   | 1.02             | 1.02             | 1.03               | 1.03               |
|                  | 57°F (13.9°C)                                      | 12893                               | 12635            | 12572            | 12522              | 12409              | 0.95                   | 0.96             | 0.96             | 0.96               | 0.96               |
|                  | 59°F (15.0°C)                                      | 13087                               | 12826            | 12761            | 12710              | 12596              | 0.92                   | 0.93             | 0.93             | 0.93               | 0.94               |
|                  | 62°F (16.7°C)                                      | 13379                               | 13111            | 13046            | 12993              | 12877              | 0.88                   | 0.89             | 0.89             | 0.89               | 0.90               |
|                  | 64.4°F (18.0°C)                                    | 13573                               | 13302            | 13235            | 13182              | 13064              | 0.86                   | 0.86             | 0.87             | 0.87               | 0.87               |

NOTE: Values in grey are extrapolated based on tested performance.

Table 13 – High Wall Cooling Performance (9K)

| Airflow<br>CFM | Out-<br>door<br>DB | ID WB | 60.8°F (16.0°C)  |                  |                  |                  |                  | 64.4°F (16.0°C)  |                  |                  |                  |                  | 67.0°F (19.4°C)  |                  |                  |                  |                  | 71.6°F (22.0°C)  |                  |                  |                  |                  |
|----------------|--------------------|-------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
|                |                    | ID DB | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C |
| 188            | -22°F<br>30°C      | TC    | 3744             | 3749             | 3753             | 3753             | 3758             | 3969             | 3974             | 3978             | 3979             | 3984             | 4207             | 4212             | 4217             | 4217             | 4222             | 4460             | 4465             | 4470             | 4470             | 4476             |
|                |                    | S/T   | 0.21             | 0.24             | 0.28             | 0.28             | 0.31             | 0.22             | 0.26             | 0.29             | 0.29             | 0.33             | 0.23             | 0.27             | 0.31             | 0.31             | 0.35             | 0.25             | 0.29             | 0.33             | 0.33             | 0.37             |
|                |                    | PI    | 0.12             | 0.12             | 0.12             | 0.12             | 0.12             | 0.13             | 0.13             | 0.13             | 0.13             | 0.13             | 0.14             | 0.14             | 0.14             | 0.14             | 0.14             | 0.15             | 0.15             | 0.15             | 0.15             | 0.15             |
|                | -13°F<br>25°C      | TC    | 4056             | 4061             | 4066             | 4066             | 4071             | 4300             | 4305             | 4310             | 4310             | 4315             | 4557             | 4563             | 4568             | 4569             | 4574             | 4832             | 4837             | 4842             | 4843             | 4849             |
|                |                    | S/T   | 0.21             | 0.24             | 0.28             | 0.28             | 0.32             | 0.22             | 0.26             | 0.29             | 0.29             | 0.33             | 0.23             | 0.27             | 0.31             | 0.31             | 0.35             | 0.25             | 0.29             | 0.33             | 0.33             | 0.38             |
|                |                    | PI    | 0.13             | 0.13             | 0.13             | 0.13             | 0.13             | 0.14             | 0.14             | 0.14             | 0.14             | 0.14             | 0.15             | 0.15             | 0.15             | 0.15             | 0.15             | 0.16             | 0.16             | 0.16             | 0.16             | 0.16             |
|                | -4°F<br>20°C       | TC    | 4368             | 4374             | 4378             | 4379             | 4384             | 4631             | 4636             | 4641             | 4642             | 4647             | 4908             | 4914             | 4919             | 4920             | 4926             | 5203             | 5209             | 5215             | 5215             | 5222             |
|                |                    | S/T   | 0.21             | 0.25             | 0.28             | 0.28             | 0.32             | 0.22             | 0.26             | 0.30             | 0.30             | 0.34             | 0.23             | 0.28             | 0.31             | 0.31             | 0.36             | 0.25             | 0.29             | 0.33             | 0.33             | 0.38             |
|                |                    | PI    | 0.14             | 0.14             | 0.14             | 0.14             | 0.14             | 0.15             | 0.15             | 0.15             | 0.15             | 0.15             | 0.16             | 0.16             | 0.16             | 0.16             | 0.16             | 0.17             | 0.17             | 0.17             | 0.17             | 0.17             |
|                | 0°F<br>17.8°C      | TC    | 4506             | 4512             | 4517             | 4518             | 4524             | 4778             | 4784             | 4788             | 4789             | 4795             | 5063             | 5070             | 5076             | 5077             | 5082             | 5369             | 5374             | 5380             | 5381             | 5388             |
|                |                    | S/T   | 0.21             | 0.25             | 0.28             | 0.28             | 0.32             | 0.22             | 0.26             | 0.30             | 0.30             | 0.34             | 0.24             | 0.28             | 0.31             | 0.31             | 0.36             | 0.25             | 0.29             | 0.33             | 0.33             | 0.38             |
|                |                    | PI    | 0.15             | 0.15             | 0.15             | 0.15             | 0.15             | 0.16             | 0.16             | 0.16             | 0.16             | 0.16             | 0.17             | 0.17             | 0.17             | 0.17             | 0.17             | 0.18             | 0.18             | 0.18             | 0.18             | 0.18             |
|                | 5°F<br>15°C        | TC    | 4680             | 4686             | 4691             | 4691             | 4698             | 4962             | 4968             | 4973             | 4973             | 4979             | 5258             | 5265             | 5271             | 5272             | 5278             | 5575             | 5581             | 5587             | 5588             | 5595             |
|                |                    | S/T   | 0.21             | 0.25             | 0.28             | 0.28             | 0.32             | 0.22             | 0.26             | 0.30             | 0.30             | 0.34             | 0.24             | 0.28             | 0.32             | 0.32             | 0.36             | 0.25             | 0.29             | 0.33             | 0.33             | 0.38             |
|                |                    | PI    | 0.15             | 0.15             | 0.15             | 0.15             | 0.15             | 0.16             | 0.16             | 0.16             | 0.16             | 0.16             | 0.17             | 0.17             | 0.17             | 0.17             | 0.17             | 0.18             | 0.18             | 0.18             | 0.18             | 0.18             |
|                | 14°F<br>10°C       | TC    | 4747             | 4753             | 4758             | 4758             | 4765             | 5033             | 5039             | 5044             | 5045             | 5051             | 5334             | 5340             | 5346             | 5347             | 5353             | 5655             | 5661             | 5667             | 5668             | 5675             |
|                |                    | S/T   | 0.21             | 0.25             | 0.28             | 0.28             | 0.32             | 0.22             | 0.26             | 0.30             | 0.30             | 0.34             | 0.24             | 0.28             | 0.32             | 0.32             | 0.36             | 0.25             | 0.29             | 0.33             | 0.34             | 0.38             |
|                |                    | PI    | 0.16             | 0.16             | 0.16             | 0.16             | 0.16             | 0.17             | 0.17             | 0.17             | 0.17             | 0.17             | 0.18             | 0.18             | 0.18             | 0.18             | 0.18             | 0.19             | 0.19             | 0.19             | 0.19             | 0.19             |
|                | 17°F<br>10°C       | TC    | 4769             | 4776             | 4781             | 4781             | 4787             | 5057             | 5063             | 5068             | 5069             | 5075             | 5359             | 5366             | 5372             | 5373             | 5379             | 5682             | 5688             | 5694             | 5695             | 5702             |
|                |                    | S/T   | 0.21             | 0.25             | 0.28             | 0.28             | 0.32             | 0.22             | 0.26             | 0.30             | 0.30             | 0.34             | 0.24             | 0.28             | 0.32             | 0.32             | 0.36             | 0.25             | 0.30             | 0.34             | 0.34             | 0.38             |
|                |                    | PI    | 0.16             | 0.16             | 0.16             | 0.16             | 0.16             | 0.17             | 0.17             | 0.17             | 0.17             | 0.17             | 0.18             | 0.18             | 0.18             | 0.18             | 0.18             | 0.19             | 0.19             | 0.19             | 0.19             | 0.19             |
|                | 23°F<br>5°C        | TC    | 4890             | 4897             | 4902             | 4902             | 4909             | 5185             | 5191             | 5196             | 5197             | 5203             | 5494             | 5502             | 5508             | 5509             | 5515             | 5826             | 5832             | 5838             | 5839             | 5846             |
|                |                    | S/T   | 0.21             | 0.25             | 0.28             | 0.28             | 0.32             | 0.23             | 0.26             | 0.30             | 0.30             | 0.34             | 0.24             | 0.28             | 0.32             | 0.32             | 0.36             | 0.25             | 0.30             | 0.34             | 0.34             | 0.38             |
|                |                    | PI    | 0.18             | 0.18             | 0.18             | 0.18             | 0.18             | 0.19             | 0.19             | 0.19             | 0.19             | 0.19             | 0.20             | 0.20             | 0.20             | 0.20             | 0.20             | 0.21             | 0.21             | 0.21             | 0.21             | 0.21             |
|                | 35°F<br>1.7°C      | TC    | 5132             | 5139             | 5144             | 5144             | 5151             | 5441             | 5447             | 5453             | 5454             | 5460             | 5766             | 5774             | 5780             | 5781             | 5788             | 6114             | 6120             | 6127             | 6128             | 6135             |
|                |                    | S/T   | 0.21             | 0.25             | 0.28             | 0.28             | 0.32             | 0.23             | 0.27             | 0.30             | 0.30             | 0.34             | 0.24             | 0.28             | 0.32             | 0.32             | 0.36             | 0.25             | 0.30             | 0.34             | 0.34             | 0.39             |
|                |                    | PI    | 0.22             | 0.22             | 0.22             | 0.22             | 0.22             | 0.23             | 0.23             | 0.23             | 0.23             | 0.23             | 0.24             | 0.25             | 0.25             | 0.25             | 0.25             | 0.26             | 0.26             | 0.26             | 0.26             | 0.26             |
|                | 41°F<br>5°C        | TC    | 5084             | 5090             | 5096             | 5096             | 5103             | 5390             | 5396             | 5402             | 5403             | 5409             | 5712             | 5719             | 5726             | 5727             | 5733             | 6056             | 6063             | 6069             | 6070             | 6078             |
|                |                    | S/T   | 0.21             | 0.25             | 0.29             | 0.29             | 0.33             | 0.23             | 0.27             | 0.30             | 0.30             | 0.35             | 0.24             | 0.28             | 0.32             | 0.32             | 0.37             | 0.26             | 0.30             | 0.34             | 0.34             | 0.39             |
|                |                    | PI    | 0.22             | 0.22             | 0.22             | 0.22             | 0.22             | 0.23             | 0.23             | 0.23             | 0.23             | 0.23             | 0.24             | 0.24             | 0.24             | 0.24             | 0.24             | 0.26             | 0.26             | 0.26             | 0.26             | 0.26             |
|                | 47°F<br>8.3°C      | TC    | 5035             | 5042             | 5048             | 5048             | 5055             | 5339             | 5345             | 5350             | 5352             | 5358             | 5658             | 5665             | 5671             | 5673             | 5679             | 5999             | 6005             | 6012             | 6013             | 6020             |
|                |                    | S/T   | 0.21             | 0.25             | 0.29             | 0.29             | 0.33             | 0.23             | 0.27             | 0.30             | 0.30             | 0.35             | 0.24             | 0.28             | 0.32             | 0.32             | 0.37             | 0.26             | 0.30             | 0.34             | 0.34             | 0.39             |
|                |                    | PI    | 0.21             | 0.21             | 0.21             | 0.21             | 0.21             | 0.23             | 0.23             | 0.23             | 0.23             | 0.23             | 0.24             | 0.24             | 0.24             | 0.24             | 0.24             | 0.25             | 0.25             | 0.25             | 0.25             | 0.25             |
|                | 50°F<br>10°C       | TC    | 5075             | 5082             | 5088             | 5088             | 5095             | 5381             | 5387             | 5393             | 5394             | 5400             | 5703             | 5710             | 5716             | 5717             | 5724             | 6046             | 6053             | 6059             | 6060             | 6068             |
|                |                    | S/T   | 0.22             | 0.25             | 0.29             | 0.29             | 0.33             | 0.23             | 0.27             | 0.31             | 0.31             | 0.35             | 0.24             | 0.28             | 0.32             | 0.32             | 0.37             | 0.26             | 0.30             | 0.34             | 0.34             | 0.39             |
|                |                    | PI    | 0.21             | 0.21             | 0.21             | 0.21             | 0.21             | 0.23             | 0.23             | 0.23             | 0.23             | 0.23             | 0.24             | 0.24             | 0.24             | 0.24             | 0.24             | 0.25             | 0.26             | 0.26             | 0.26             | 0.26             |
|                | 59°F<br>15°C       | TC    | 5195             | 5202             | 5207             | 5208             | 5215             | 5508             | 5514             | 5520             | 5521             | 5527             | 5837             | 5844             | 5851             | 5852             | 5859             | 6189             | 6195             | 6202             | 6203             | 6211             |
|                |                    | S/T   | 0.22             | 0.25             | 0.29             | 0.29             | 0.33             | 0.23             | 0.27             | 0.31             | 0.31             | 0.35             | 0.24             | 0.29             | 0.33             | 0.33             | 0.37             | 0.26             | 0.30             | 0.34             | 0.34             | 0.39             |
|                |                    | PI    | 0.22             | 0.22             | 0.22             | 0.22             | 0.22             | 0.23             | 0.23             | 0.23             | 0.23             | 0.23             | 0.25             | 0.25             | 0.25             | 0.25             | 0.25             | 0.26             | 0.26             | 0.26             | 0.26             | 0.26             |
|                | 68°F<br>20°C       | TC    | 5314             | 5321             | 5327             | 5327             | 5335             | 5635             | 5641             | 5647             | 5648             | 5655             | 5971             | 5979             | 5986             | 5987             | 5993             | 6331             | 6338             | 6345             | 6346             | 6354             |
|                |                    | S/T   | 0.22             | 0.26             | 0.30             | 0.30             | 0.34             | 0.24             | 0.28             | 0.31             | 0.31             | 0.36             | 0.25             | 0.29             | 0.33             | 0.33             | 0.38             | 0.27             | 0.31             | 0.35             | 0.35             | 0.40             |
|                |                    | PI    | 0.22             | 0.22             | 0.22             | 0.22             | 0.22             | 0.24             | 0.24             | 0.24             | 0.24             | 0.24             | 0.25             | 0.25             | 0.25             | 0.25             | 0.25             | 0.27             | 0.27             | 0.27             | 0.27             | 0.27             |
|                | 77°F<br>25°C       | TC    | 5434             | 5441             | 5447             | 5447             | 5455             | 5761             | 5768             | 5774             | 5775             | 5782             | 6106             | 6113             | 6120             | 6121             | 6128             | 6473             | 6480             | 6488             | 6489             | 6497             |
|                |                    | S/T   | 0.23             | 0.26             | 0.30             | 0.30             | 0.34             | 0.24             | 0.28             | 0.32             | 0.32             | 0.36             | 0.25             | 0.30             | 0.34             | 0.34             | 0.39             | 0.27             | 0.32             | 0.36             | 0.36             | 0.41             |
|                |                    | PI    | 0.23             | 0.23             | 0.23             | 0.23             | 0.23             | 0.24             | 0.24             | 0.24             | 0.24             | 0.24             | 0.26             | 0.26             | 0.26             | 0.26             | 0.26             | 0.27             | 0.27             | 0.27             | 0.27             | 0.27             |
|                | 82°F<br>27.8°C     | TC    | 5417             | 5425             | 5431             | 5431             | 5438             | 5744             | 5751             | 5756             | 5758             | 5764             | 6087             | 6095             | 6102             | 6103             | 6110             | 6454             | 6461             | 6468             | 6469             | 6477             |
|                |                    | S/T   | 0.23             | 0.27             | 0.30             | 0.30             | 0.35             | 0.24             | 0.28             | 0.32             | 0.32             | 0.37             | 0.26             | 0.30             | 0.34             | 0.34             | 0.39             | 0.27             | 0.32             | 0.36             | 0.36             | 0.41             |
|                |                    | PI    | 0.26             | 0.26             | 0.26             | 0.26             | 0.26             | 0.27             | 0.27             | 0.27             | 0.27             | 0.27             | 0.29             | 0.29             | 0.29             | 0.29             | 0.29             | 0.31             | 0.31             | 0.31             | 0.31             | 0.31             |
|                | 86°F<br>30°C       | TC    | 5300             | 5307             | 5313             | 5313             | 5320             | 5619             | 5626             | 5632             | 5633             | 5639             | 5955             | 5963             | 5969             | 5971             | 5977             | 6314             | 6321             | 6328             | 6329             | 6336             |
|                |                    | S/T   | 0.23             | 0.27             | 0.31             | 0.31             | 0.35             | 0.25             | 0.29             | 0.33             | 0.33             | 0.37             | 0.26             | 0.31             | 0.35             | 0.35             | 0.40             | 0.28             | 0.32             | 0.37             | 0.37             | 0.42             |
|                |                    | PI    | 0.31             | 0.31             | 0.31             | 0.31             | 0.31             | 0.33             | 0.33             | 0.33             | 0.33             | 0.33             | 0.35             | 0.35             | 0.35             | 0.35             | 0.35             | 0.37             | 0.37             | 0.37             | 0.37             | 0.37             |
|                | 95°F<br>35°C       | TC    | 5035             | 5042             | 5048             | 5048             | 5055             | 5339             | 5345             | 5350             | 5351             | 5358             | 5658             | 566              |                  |                  |                  |                  |                  |                  |                  |                  |



Table 13 – High Wall Cooling Performance (9K) (Continued)

| Airflow<br>CFM | Out-<br>door<br>DB | ID WB | 60.8°F (16.0°C)  |                  |                  |                  |                  | 64.4°F (16.0°C)  |                  |                  |                  |                  | 67.0°F (19.4°C)  |                  |                  |                  |                  | 71.6°F (22.0°C)  |                  |                  |                  |                  |
|----------------|--------------------|-------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
|                |                    | ID DB | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C |
| 376            | -22°F<br>30°C      | TC    | 6538             | 6546             | 6553             | 6554             | 6563             | 6932             | 6940             | 6947             | 6948             | 6956             | 7346             | 7355             | 7364             | 7365             | 7373             | 7788             | 7797             | 7805             | 7807             | 7816             |
|                |                    | S/T   | 0.36             | 0.42             | 0.48             | 0.48             | 0.55             | 0.38             | 0.45             | 0.51             | 0.51             | 0.58             | 0.40             | 0.47             | 0.54             | 0.54             | 0.62             | 0.43             | 0.50             | 0.57             | 0.57             | 0.65             |
|                |                    | PI    | 0.21             | 0.21             | 0.21             | 0.21             | 0.21             | 0.23             | 0.23             | 0.23             | 0.23             | 0.23             | 0.24             | 0.24             | 0.24             | 0.24             | 0.24             | 0.25             | 0.26             | 0.26             | 0.26             | 0.26             |
|                | -13°F<br>25°C      | TC    | 7082             | 7092             | 7100             | 7100             | 7110             | 7509             | 7518             | 7526             | 7527             | 7536             | 7958             | 7968             | 7977             | 7979             | 7988             | 8437             | 8447             | 8456             | 8457             | 8468             |
|                |                    | S/T   | 0.36             | 0.43             | 0.48             | 0.48             | 0.55             | 0.38             | 0.45             | 0.51             | 0.51             | 0.58             | 0.41             | 0.48             | 0.54             | 0.54             | 0.62             | 0.43             | 0.51             | 0.58             | 0.58             | 0.66             |
|                |                    | PI    | 0.23             | 0.23             | 0.23             | 0.23             | 0.23             | 0.25             | 0.25             | 0.25             | 0.25             | 0.25             | 0.26             | 0.26             | 0.26             | 0.26             | 0.26             | 0.28             | 0.28             | 0.28             | 0.28             | 0.28             |
|                | -4°F<br>20°C       | TC    | 7627             | 7638             | 7646             | 7646             | 7656             | 8087             | 8096             | 8104             | 8106             | 8116             | 8570             | 8581             | 8591             | 8592             | 8602             | 9086             | 9096             | 9106             | 9108             | 9119             |
|                |                    | S/T   | 0.36             | 0.43             | 0.49             | 0.49             | 0.55             | 0.39             | 0.45             | 0.52             | 0.52             | 0.59             | 0.41             | 0.48             | 0.55             | 0.55             | 0.62             | 0.43             | 0.51             | 0.58             | 0.58             | 0.66             |
|                |                    | PI    | 0.25             | 0.25             | 0.25             | 0.25             | 0.25             | 0.26             | 0.26             | 0.27             | 0.27             | 0.27             | 0.28             | 0.28             | 0.28             | 0.28             | 0.28             | 0.30             | 0.30             | 0.30             | 0.30             | 0.30             |
|                | 0°F<br>17.8°C      | TC    | 7869             | 7880             | 7888             | 7889             | 7899             | 8344             | 8354             | 8362             | 8363             | 8373             | 8842             | 8854             | 8863             | 8865             | 8875             | 9375             | 9385             | 9395             | 9397             | 9408             |
|                |                    | S/T   | 0.37             | 0.43             | 0.49             | 0.49             | 0.56             | 0.39             | 0.45             | 0.52             | 0.52             | 0.59             | 0.41             | 0.48             | 0.55             | 0.55             | 0.62             | 0.44             | 0.51             | 0.58             | 0.58             | 0.66             |
|                |                    | PI    | 0.26             | 0.26             | 0.26             | 0.26             | 0.26             | 0.27             | 0.27             | 0.27             | 0.27             | 0.27             | 0.29             | 0.29             | 0.29             | 0.29             | 0.29             | 0.31             | 0.31             | 0.31             | 0.31             | 0.31             |
|                | 5°F<br>15°C        | TC    | 8172             | 8183             | 8192             | 8192             | 8203             | 8665             | 8675             | 8683             | 8685             | 8695             | 9182             | 9194             | 9204             | 9206             | 9216             | 9735             | 9746             | 9757             | 9758             | 9770             |
|                |                    | S/T   | 0.37             | 0.43             | 0.49             | 0.49             | 0.56             | 0.39             | 0.46             | 0.52             | 0.52             | 0.59             | 0.41             | 0.48             | 0.55             | 0.55             | 0.63             | 0.44             | 0.51             | 0.58             | 0.58             | 0.67             |
|                |                    | PI    | 0.27             | 0.27             | 0.27             | 0.27             | 0.27             | 0.28             | 0.28             | 0.28             | 0.28             | 0.28             | 0.30             | 0.30             | 0.30             | 0.30             | 0.30             | 0.32             | 0.32             | 0.32             | 0.32             | 0.32             |
|                | 14°F<br>10°C       | TC    | 8289             | 8300             | 8309             | 8310             | 8321             | 8789             | 8799             | 8808             | 8810             | 8820             | 9314             | 9326             | 9336             | 9338             | 9348             | 9875             | 9886             | 9896             | 9898             | 9910             |
|                |                    | S/T   | 0.37             | 0.43             | 0.49             | 0.49             | 0.56             | 0.39             | 0.46             | 0.52             | 0.52             | 0.59             | 0.41             | 0.49             | 0.55             | 0.55             | 0.63             | 0.44             | 0.51             | 0.58             | 0.59             | 0.67             |
|                |                    | PI    | 0.28             | 0.28             | 0.28             | 0.28             | 0.28             | 0.29             | 0.29             | 0.29             | 0.29             | 0.30             | 0.31             | 0.31             | 0.31             | 0.31             | 0.31             | 0.33             | 0.33             | 0.33             | 0.33             | 0.33             |
|                | 17°F<br>10°C       | TC    | 8328             | 8339             | 8348             | 8349             | 8360             | 8830             | 8841             | 8849             | 8851             | 8862             | 9358             | 9370             | 9380             | 9382             | 9392             | 9921             | 9932             | 9943             | 9945             | 9957             |
|                |                    | S/T   | 0.37             | 0.43             | 0.49             | 0.49             | 0.56             | 0.39             | 0.46             | 0.52             | 0.52             | 0.60             | 0.42             | 0.49             | 0.55             | 0.55             | 0.63             | 0.44             | 0.52             | 0.59             | 0.59             | 0.67             |
|                |                    | PI    | 0.28             | 0.28             | 0.28             | 0.28             | 0.28             | 0.30             | 0.30             | 0.30             | 0.30             | 0.30             | 0.32             | 0.32             | 0.32             | 0.32             | 0.32             | 0.33             | 0.33             | 0.33             | 0.34             | 0.34             |
|                | 23°F<br>5°C        | TC    | 8539             | 8551             | 8560             | 8560             | 8572             | 9054             | 9065             | 9074             | 9075             | 9086             | 9595             | 9607             | 9618             | 9620             | 9631             | 10173            | 10184            | 10195            | 10197            | 10209            |
|                |                    | S/T   | 0.37             | 0.44             | 0.50             | 0.50             | 0.56             | 0.39             | 0.46             | 0.52             | 0.52             | 0.60             | 0.42             | 0.49             | 0.56             | 0.56             | 0.63             | 0.44             | 0.52             | 0.59             | 0.59             | 0.67             |
|                |                    | PI    | 0.31             | 0.31             | 0.31             | 0.31             | 0.32             | 0.33             | 0.33             | 0.33             | 0.33             | 0.33             | 0.35             | 0.35             | 0.35             | 0.35             | 0.35             | 0.37             | 0.37             | 0.37             | 0.37             | 0.38             |
|                | 35°F<br>1.7°C      | TC    | 8961             | 8974             | 8983             | 8984             | 8996             | 9502             | 9513             | 9522             | 9524             | 9535             | 10069            | 10082            | 10094            | 10095            | 10107            | 10676            | 10687            | 10699            | 10701            | 10714            |
|                |                    | S/T   | 0.37             | 0.44             | 0.50             | 0.50             | 0.57             | 0.40             | 0.46             | 0.53             | 0.53             | 0.60             | 0.42             | 0.49             | 0.56             | 0.56             | 0.64             | 0.44             | 0.52             | 0.59             | 0.59             | 0.68             |
|                |                    | PI    | 0.38             | 0.38             | 0.38             | 0.38             | 0.38             | 0.40             | 0.40             | 0.40             | 0.40             | 0.40             | 0.43             | 0.43             | 0.43             | 0.43             | 0.43             | 0.45             | 0.45             | 0.45             | 0.45             | 0.45             |
|                | 41°F<br>5°C        | TC    | 8877             | 8889             | 8899             | 8899             | 8911             | 9412             | 9423             | 9433             | 9435             | 9446             | 9975             | 9988             | 9999             | 10001            | 10012            | 10576            | 10587            | 10599            | 10600            | 10614            |
|                |                    | S/T   | 0.37             | 0.44             | 0.50             | 0.50             | 0.57             | 0.40             | 0.47             | 0.53             | 0.53             | 0.60             | 0.42             | 0.49             | 0.56             | 0.56             | 0.64             | 0.45             | 0.52             | 0.59             | 0.59             | 0.68             |
|                |                    | PI    | 0.38             | 0.38             | 0.38             | 0.38             | 0.38             | 0.40             | 0.40             | 0.40             | 0.40             | 0.40             | 0.42             | 0.42             | 0.42             | 0.42             | 0.42             | 0.45             | 0.45             | 0.45             | 0.45             | 0.45             |
|                | 47°F<br>8.3°C      | TC    | 8793             | 8805             | 8814             | 8815             | 8827             | 9323             | 9334             | 9343             | 9345             | 9356             | 9880             | 9893             | 9904             | 9906             | 9917             | 10475            | 10487            | 10498            | 10500            | 10513            |
|                |                    | S/T   | 0.38             | 0.44             | 0.50             | 0.50             | 0.57             | 0.40             | 0.47             | 0.53             | 0.53             | 0.60             | 0.42             | 0.49             | 0.56             | 0.56             | 0.64             | 0.45             | 0.52             | 0.60             | 0.60             | 0.68             |
|                |                    | PI    | 0.37             | 0.37             | 0.37             | 0.37             | 0.37             | 0.39             | 0.39             | 0.39             | 0.39             | 0.39             | 0.42             | 0.42             | 0.42             | 0.42             | 0.42             | 0.44             | 0.44             | 0.44             | 0.44             | 0.44             |
|                | 50°F<br>10°C       | TC    | 8863             | 8875             | 8884             | 8885             | 8897             | 9397             | 9408             | 9417             | 9419             | 9430             | 9958             | 9971             | 9982             | 9984             | 9995             | 10558            | 10570            | 10581            | 10583            | 10596            |
|                |                    | S/T   | 0.38             | 0.44             | 0.50             | 0.50             | 0.57             | 0.40             | 0.47             | 0.53             | 0.53             | 0.61             | 0.42             | 0.50             | 0.56             | 0.56             | 0.64             | 0.45             | 0.53             | 0.60             | 0.60             | 0.68             |
|                |                    | PI    | 0.37             | 0.37             | 0.37             | 0.37             | 0.38             | 0.40             | 0.40             | 0.40             | 0.40             | 0.40             | 0.42             | 0.42             | 0.42             | 0.42             | 0.42             | 0.45             | 0.45             | 0.45             | 0.45             | 0.45             |
|                | 59°F<br>15°C       | TC    | 9072             | 9084             | 9094             | 9094             | 9106             | 9618             | 9630             | 9639             | 9641             | 9652             | 10193            | 10206            | 10217            | 10219            | 10231            | 10807            | 10819            | 10831            | 10832            | 10846            |
|                |                    | S/T   | 0.38             | 0.44             | 0.51             | 0.51             | 0.58             | 0.40             | 0.47             | 0.54             | 0.54             | 0.61             | 0.43             | 0.50             | 0.57             | 0.57             | 0.65             | 0.45             | 0.53             | 0.60             | 0.60             | 0.69             |
|                |                    | PI    | 0.38             | 0.38             | 0.38             | 0.38             | 0.38             | 0.40             | 0.41             | 0.41             | 0.41             | 0.41             | 0.43             | 0.43             | 0.43             | 0.43             | 0.43             | 0.45             | 0.46             | 0.46             | 0.46             | 0.46             |
|                | 68°F<br>20°C       | TC    | 9280             | 9293             | 9303             | 9303             | 9316             | 9840             | 9851             | 9861             | 9863             | 9875             | 10427            | 10441            | 10453            | 10455            | 10466            | 11056            | 11068            | 11080            | 11081            | 11095            |
|                |                    | S/T   | 0.39             | 0.46             | 0.52             | 0.52             | 0.59             | 0.41             | 0.48             | 0.55             | 0.55             | 0.63             | 0.44             | 0.51             | 0.58             | 0.58             | 0.66             | 0.46             | 0.54             | 0.62             | 0.62             | 0.70             |
|                |                    | PI    | 0.39             | 0.39             | 0.39             | 0.39             | 0.39             | 0.41             | 0.41             | 0.41             | 0.41             | 0.41             | 0.44             | 0.44             | 0.44             | 0.44             | 0.44             | 0.46             | 0.46             | 0.47             | 0.47             | 0.47             |
|                | 77°F<br>25°C       | TC    | 9489             | 9502             | 9512             | 9512             | 9525             | 10061            | 10073            | 10083            | 10085            | 10097            | 10662            | 10676            | 10688            | 10690            | 10702            | 11304            | 11317            | 11329            | 11331            | 11345            |
|                |                    | S/T   | 0.39             | 0.46             | 0.53             | 0.53             | 0.60             | 0.42             | 0.49             | 0.56             | 0.56             | 0.63             | 0.44             | 0.52             | 0.59             | 0.59             | 0.67             | 0.47             | 0.55             | 0.63             | 0.63             | 0.71             |
|                |                    | PI    | 0.40             | 0.40             | 0.40             | 0.40             | 0.40             | 0.42             | 0.42             | 0.42             | 0.42             | 0.42             | 0.45             | 0.45             | 0.45             | 0.45             | 0.45             | 0.47             | 0.47             | 0.47             | 0.47             | 0.48             |
|                | 82°F<br>27.8°C     | TC    | 9460             | 9473             | 9483             | 9484             | 9497             | 10031            | 10042            | 10052            | 10054            | 10066            | 10630            | 10644            | 10656            | 10657            | 10669            | 11270            | 11283            | 11295            | 11297            | 11311            |
|                |                    | S/T   | 0.40             | 0.47             | 0.53             | 0.53             | 0.61             | 0.42             | 0.50             | 0.56             | 0.56             | 0.64             | 0.45             | 0.53             | 0.60             | 0.60             | 0.68             | 0.48             | 0.56             | 0.63             | 0.63             | 0.72             |
|                |                    | PI    | 0.45             | 0.45             | 0.45             | 0.45             | 0.45             | 0.47             | 0.48             | 0.48             | 0.48             | 0.48             | 0.50             | 0.50             | 0.50             | 0.50             | 0.50             | 0.53             | 0.53             | 0.53             | 0.53             | 0.54             |
|                | 86°F<br>30°C       | TC    | 9255             | 9268             | 9278             | 9278             | 9290             | 9813             | 9824             | 9834             | 9836             | 9848             | 10399            | 10413            | 10424            | 10426            | 10438            | 11026            | 11038            | 11050            | 11051            | 11065            |
|                |                    | S/T   | 0.40             | 0.47             | 0.54             | 0.54             | 0.61             | 0.43             | 0.50             | 0.57             | 0.57             | 0.65             | 0.45             | 0.53             | 0.61             | 0.61             | 0.69             | 0.48             | 0.56             | 0.64             | 0.64             | 0.73             |
|                |                    | PI    | 0.55             | 0.55             | 0.55             | 0.55             | 0.55             | 0.58             | 0.58             | 0.58             | 0.58             | 0.58             | 0.61             | 0.61             | 0.61             | 0.61             | 0.62             | 0.65             | 0.65             | 0.65             | 0.65             | 0.65             |
|                | 95°F<br>35°C       | TC    | 8793             | 8805             | 8814             | 8815             | 8827             | 9323             | 9334             | 9343             | 9345             | 9356             | 9880             | 9893             | 9904             | 9906             | 9917             | 10475            | 10487            | 10498            | 10               |                  |

Table 13 – High Wall Cooling Performance (9K) (Continued)

| Airflow<br>CFM | Out-<br>door<br>DB | ID WB | 60.8°F (16.0°C)  |                  |                  |                  |                  | 64.4°F (16.0°C)  |                  |                  |                  |                  | 67.0°F (19.4°C)  |                  |                  |                  |                  | 71.6°F (22.0°C)  |                  |                  |                  |                  |
|----------------|--------------------|-------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
|                |                    | ID DB | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C |
| 441            | -22°F<br>30°C      | TC    | 8639             | 8651             | 8660             | 8661             | 8672             | 9160             | 9171             | 9180             | 9182             | 9193             | 9707             | 9720             | 9731             | 9732             | 9743             | 10292            | 10303            | 10314            | 10316            | 10329            |
|                |                    | S/T   | 0.48             | 0.56             | 0.63             | 0.63             | 0.72             | 0.50             | 0.59             | 0.67             | 0.67             | 0.77             | 0.53             | 0.63             | 0.71             | 0.71             | 0.81             | 0.57             | 0.67             | 0.76             | 0.76             | 0.86             |
|                |                    | PI    | 0.28             | 0.28             | 0.28             | 0.28             | 0.28             | 0.30             | 0.30             | 0.30             | 0.30             | 0.30             | 0.32             | 0.32             | 0.32             | 0.32             | 0.32             | 0.34             | 0.34             | 0.34             | 0.34             | 0.34             |
|                | -13°F<br>25°C      | TC    | 9359             | 9372             | 9382             | 9382             | 9395             | 9923             | 9935             | 9945             | 9947             | 9959             | 10516            | 10530            | 10542            | 10543            | 10555            | 11150            | 11162            | 11174            | 11176            | 11190            |
|                |                    | S/T   | 0.48             | 0.56             | 0.64             | 0.64             | 0.73             | 0.51             | 0.60             | 0.68             | 0.68             | 0.77             | 0.54             | 0.63             | 0.72             | 0.72             | 0.82             | 0.57             | 0.67             | 0.76             | 0.76             | 0.87             |
|                |                    | PI    | 0.31             | 0.31             | 0.31             | 0.31             | 0.31             | 0.32             | 0.32             | 0.33             | 0.33             | 0.33             | 0.34             | 0.34             | 0.34             | 0.34             | 0.35             | 0.36             | 0.37             | 0.37             | 0.37             | 0.37             |
|                | -4°F<br>20°C       | TC    | 10079            | 10093            | 10104            | 10104            | 10118            | 10687            | 10699            | 10710            | 10712            | 10725            | 11325            | 11340            | 11352            | 11355            | 11367            | 12007            | 12020            | 12034            | 12035            | 12050            |
|                |                    | S/T   | 0.48             | 0.57             | 0.64             | 0.64             | 0.73             | 0.51             | 0.60             | 0.68             | 0.68             | 0.78             | 0.54             | 0.64             | 0.72             | 0.72             | 0.82             | 0.57             | 0.67             | 0.77             | 0.77             | 0.87             |
|                |                    | PI    | 0.33             | 0.33             | 0.33             | 0.33             | 0.33             | 0.35             | 0.35             | 0.35             | 0.35             | 0.35             | 0.37             | 0.37             | 0.37             | 0.37             | 0.37             | 0.39             | 0.39             | 0.39             | 0.39             | 0.39             |
|                | 0°F<br>17.8°C      | TC    | 10399            | 10413            | 10424            | 10425            | 10439            | 11026            | 11039            | 11050            | 11052            | 11065            | 11685            | 11700            | 11713            | 11715            | 11728            | 12389            | 12402            | 12416            | 12417            | 12433            |
|                |                    | S/T   | 0.48             | 0.57             | 0.64             | 0.64             | 0.73             | 0.51             | 0.60             | 0.68             | 0.68             | 0.78             | 0.54             | 0.64             | 0.72             | 0.72             | 0.83             | 0.58             | 0.68             | 0.77             | 0.77             | 0.88             |
|                |                    | PI    | 0.34             | 0.34             | 0.34             | 0.34             | 0.34             | 0.36             | 0.36             | 0.36             | 0.36             | 0.36             | 0.38             | 0.38             | 0.38             | 0.38             | 0.38             | 0.41             | 0.41             | 0.41             | 0.41             | 0.41             |
|                | 5°F<br>15°C        | TC    | 10799            | 10814            | 10825            | 10826            | 10840            | 11450            | 11463            | 11475            | 11477            | 11491            | 12134            | 12150            | 12163            | 12166            | 12179            | 12865            | 12879            | 12893            | 12895            | 12911            |
|                |                    | S/T   | 0.49             | 0.57             | 0.65             | 0.65             | 0.74             | 0.51             | 0.60             | 0.69             | 0.69             | 0.78             | 0.55             | 0.64             | 0.73             | 0.73             | 0.83             | 0.58             | 0.68             | 0.77             | 0.77             | 0.88             |
|                |                    | PI    | 0.35             | 0.35             | 0.35             | 0.35             | 0.35             | 0.37             | 0.37             | 0.38             | 0.38             | 0.38             | 0.40             | 0.40             | 0.40             | 0.40             | 0.40             | 0.42             | 0.42             | 0.42             | 0.42             | 0.42             |
|                | 14°F<br>10°C       | TC    | 10954            | 10969            | 10980            | 10981            | 10996            | 11614            | 11628            | 11639            | 11642            | 11655            | 12308            | 12324            | 12338            | 12340            | 12354            | 13049            | 13064            | 13078            | 13080            | 13096            |
|                |                    | S/T   | 0.49             | 0.57             | 0.65             | 0.65             | 0.74             | 0.52             | 0.61             | 0.69             | 0.69             | 0.78             | 0.55             | 0.64             | 0.73             | 0.73             | 0.83             | 0.58             | 0.68             | 0.77             | 0.77             | 0.88             |
|                |                    | PI    | 0.37             | 0.37             | 0.37             | 0.37             | 0.37             | 0.39             | 0.39             | 0.39             | 0.39             | 0.39             | 0.41             | 0.41             | 0.41             | 0.41             | 0.41             | 0.44             | 0.44             | 0.44             | 0.44             | 0.44             |
|                | 17°F<br>10°C       | TC    | 11005            | 11020            | 11032            | 11033            | 11048            | 11669            | 11683            | 11694            | 11696            | 11710            | 12366            | 12382            | 12396            | 12398            | 12412            | 13111            | 13125            | 13139            | 13141            | 13158            |
|                |                    | S/T   | 0.49             | 0.57             | 0.65             | 0.65             | 0.74             | 0.52             | 0.61             | 0.69             | 0.69             | 0.79             | 0.55             | 0.64             | 0.73             | 0.73             | 0.83             | 0.58             | 0.68             | 0.78             | 0.78             | 0.88             |
|                |                    | PI    | 0.37             | 0.37             | 0.37             | 0.37             | 0.37             | 0.39             | 0.39             | 0.39             | 0.39             | 0.39             | 0.42             | 0.42             | 0.42             | 0.42             | 0.42             | 0.44             | 0.44             | 0.44             | 0.44             | 0.44             |
|                | 23°F<br>5°C        | TC    | 11284            | 11300            | 11312            | 11312            | 11328            | 11964            | 11979            | 11990            | 11993            | 12007            | 12679            | 12696            | 12710            | 12712            | 12726            | 13443            | 13458            | 13472            | 13475            | 13491            |
|                |                    | S/T   | 0.49             | 0.58             | 0.65             | 0.65             | 0.75             | 0.52             | 0.61             | 0.69             | 0.69             | 0.79             | 0.55             | 0.65             | 0.74             | 0.74             | 0.84             | 0.58             | 0.69             | 0.78             | 0.78             | 0.89             |
|                |                    | PI    | 0.41             | 0.42             | 0.42             | 0.42             | 0.42             | 0.44             | 0.44             | 0.44             | 0.44             | 0.44             | 0.47             | 0.47             | 0.47             | 0.47             | 0.47             | 0.49             | 0.49             | 0.50             | 0.50             | 0.50             |
|                | 35°F<br>1.7°C      | TC    | 11842            | 11858            | 11871            | 11872            | 11888            | 12556            | 12571            | 12583            | 12586            | 12601            | 13306            | 13323            | 13338            | 13341            | 13356            | 14108            | 14123            | 14139            | 14141            | 14158            |
|                |                    | S/T   | 0.49             | 0.58             | 0.66             | 0.66             | 0.75             | 0.52             | 0.61             | 0.70             | 0.70             | 0.79             | 0.55             | 0.65             | 0.74             | 0.74             | 0.84             | 0.59             | 0.69             | 0.78             | 0.78             | 0.89             |
|                |                    | PI    | 0.50             | 0.50             | 0.50             | 0.50             | 0.50             | 0.53             | 0.53             | 0.53             | 0.53             | 0.53             | 0.56             | 0.57             | 0.57             | 0.57             | 0.57             | 0.60             | 0.60             | 0.60             | 0.60             | 0.60             |
|                | 41°F<br>5°C        | TC    | 11731            | 11747            | 11760            | 11760            | 11776            | 12438            | 12453            | 12465            | 12468            | 12482            | 13181            | 13198            | 13213            | 13215            | 13230            | 13975            | 13991            | 14006            | 14008            | 14025            |
|                |                    | S/T   | 0.49             | 0.58             | 0.66             | 0.66             | 0.75             | 0.52             | 0.61             | 0.70             | 0.70             | 0.80             | 0.56             | 0.65             | 0.74             | 0.74             | 0.84             | 0.59             | 0.69             | 0.78             | 0.78             | 0.89             |
|                |                    | PI    | 0.50             | 0.50             | 0.50             | 0.50             | 0.50             | 0.53             | 0.53             | 0.53             | 0.53             | 0.53             | 0.56             | 0.56             | 0.56             | 0.56             | 0.56             | 0.59             | 0.59             | 0.59             | 0.59             | 0.59             |
|                | 47°F<br>8.3°C      | TC    | 11620            | 11636            | 11648            | 11649            | 11664            | 12320            | 12335            | 12347            | 12349            | 12364            | 13056            | 13073            | 13088            | 13090            | 13105            | 13843            | 13858            | 13873            | 13875            | 13892            |
|                |                    | S/T   | 0.50             | 0.58             | 0.66             | 0.66             | 0.75             | 0.53             | 0.62             | 0.70             | 0.70             | 0.80             | 0.56             | 0.65             | 0.74             | 0.74             | 0.85             | 0.59             | 0.69             | 0.79             | 0.79             | 0.90             |
|                |                    | PI    | 0.49             | 0.49             | 0.49             | 0.49             | 0.49             | 0.52             | 0.52             | 0.52             | 0.52             | 0.52             | 0.55             | 0.55             | 0.55             | 0.55             | 0.55             | 0.58             | 0.58             | 0.59             | 0.59             | 0.59             |
|                | 50°F<br>10°C       | TC    | 11712            | 11728            | 11740            | 11741            | 11757            | 12418            | 12432            | 12445            | 12447            | 12462            | 13160            | 13177            | 13191            | 13194            | 13209            | 13952            | 13968            | 13983            | 13985            | 14002            |
|                |                    | S/T   | 0.50             | 0.58             | 0.66             | 0.66             | 0.76             | 0.53             | 0.62             | 0.70             | 0.70             | 0.80             | 0.56             | 0.66             | 0.75             | 0.75             | 0.85             | 0.59             | 0.70             | 0.79             | 0.79             | 0.90             |
|                |                    | PI    | 0.49             | 0.49             | 0.50             | 0.50             | 0.50             | 0.52             | 0.52             | 0.52             | 0.52             | 0.53             | 0.55             | 0.56             | 0.56             | 0.56             | 0.56             | 0.59             | 0.59             | 0.59             | 0.59             | 0.59             |
|                | 59°F<br>15°C       | TC    | 11988            | 12004            | 12017            | 12017            | 12034            | 12710            | 12725            | 12738            | 12740            | 12755            | 13470            | 13487            | 13502            | 13505            | 13520            | 14281            | 14297            | 14312            | 14314            | 14332            |
|                |                    | S/T   | 0.50             | 0.59             | 0.67             | 0.67             | 0.76             | 0.53             | 0.62             | 0.71             | 0.71             | 0.81             | 0.56             | 0.66             | 0.75             | 0.75             | 0.86             | 0.60             | 0.70             | 0.80             | 0.80             | 0.91             |
|                |                    | PI    | 0.50             | 0.51             | 0.51             | 0.51             | 0.51             | 0.53             | 0.54             | 0.54             | 0.54             | 0.54             | 0.57             | 0.57             | 0.57             | 0.57             | 0.57             | 0.60             | 0.60             | 0.60             | 0.60             | 0.60             |
|                | 68°F<br>20°C       | TC    | 12264            | 12280            | 12293            | 12294            | 12310            | 13003            | 13018            | 13031            | 13033            | 13049            | 13779            | 13797            | 13813            | 13815            | 13831            | 14610            | 14626            | 14642            | 14644            | 14662            |
|                |                    | S/T   | 0.51             | 0.60             | 0.69             | 0.69             | 0.78             | 0.54             | 0.64             | 0.73             | 0.73             | 0.83             | 0.58             | 0.68             | 0.77             | 0.77             | 0.88             | 0.61             | 0.72             | 0.82             | 0.82             | 0.93             |
|                |                    | PI    | 0.51             | 0.52             | 0.52             | 0.52             | 0.52             | 0.55             | 0.55             | 0.55             | 0.55             | 0.55             | 0.58             | 0.58             | 0.58             | 0.58             | 0.58             | 0.61             | 0.61             | 0.61             | 0.61             | 0.62             |
|                | 77°F<br>25°C       | TC    | 12539            | 12556            | 12570            | 12570            | 12587            | 13295            | 13311            | 13324            | 13327            | 13342            | 14089            | 14108            | 14123            | 14126            | 14142            | 14938            | 14955            | 14971            | 14973            | 14992            |
|                |                    | S/T   | 0.52             | 0.61             | 0.69             | 0.69             | 0.79             | 0.55             | 0.65             | 0.74             | 0.74             | 0.84             | 0.59             | 0.69             | 0.78             | 0.78             | 0.89             | 0.62             | 0.73             | 0.83             | 0.83             | 0.94             |
|                |                    | PI    | 0.53             | 0.53             | 0.53             | 0.53             | 0.53             | 0.56             | 0.56             | 0.56             | 0.56             | 0.56             | 0.59             | 0.59             | 0.59             | 0.59             | 0.59             | 0.63             | 0.63             | 0.63             | 0.63             | 0.63             |
|                | 82°F<br>27.8°C     | TC    | 12502            | 12518            | 12532            | 12533            | 12549            | 13255            | 13271            | 13284            | 13286            | 13302            | 14047            | 14065            | 14171            | 14084            | 14099            | 14893            | 14910            | 14926            | 14928            | 14947            |
|                |                    | S/T   | 0.53             | 0.62             | 0.70             | 0.70             | 0.80             | 0.56             | 0.66             | 0.75             | 0.75             | 0.85             | 0.59             | 0.70             | 0.79             | 0.79             | 0.90             | 0.63             | 0.74             | 0.84             | 0.84             | 0.95             |
|                |                    | PI    | 0.59             | 0.59             | 0.59             | 0.59             | 0.59             | 0.63             | 0.63             | 0.63             | 0.63             | 0.63             | 0.66             | 0.67             | 0.66             | 0.67             | 0.67             | 0.70             | 0.71             | 0.71             | 0.71             | 0.71             |
|                | 86°F<br>30°C       | TC    | 12230            | 12247            | 12260            | 12261            | 12277            | 12967            | 12983            | 12996            | 12998            | 13014            | 13742            | 13760            | 13775            | 13778            | 13793            | 14570            | 14586            | 14602            | 14604            | 14622            |
|                |                    | S/T   | 0.53             | 0.63             | 0.71             | 0.71             | 0.81             | 0.57             | 0.66             | 0.75             | 0.75             | 0.86             | 0.60             | 0.70             | 0.80             | 0.80             | 0.91             | 0.64             | 0.75             | 0.85             | 0.85             | 0.97             |
|                |                    | PI    | 0.72             | 0.72             | 0.72             | 0.72             | 0.72             | 0.76             | 0.77             | 0.77             | 0.77             | 0.77             | 0.81             | 0.81             | 0.81             | 0.81             | 0.81             | 0.86             | 0.86             | 0.86             | 0.86             | 0.86             |
|                |                    |       |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |

Table 14 – High Wall Heating Performance (9K)

| AIRFLOW<br>(CFM) | HEATING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE |                                     |                  |                  |                    |                    |                        |                  |                  |                    |                    |
|------------------|----------------------------------------------------|-------------------------------------|------------------|------------------|--------------------|--------------------|------------------------|------------------|------------------|--------------------|--------------------|
|                  | OUTDOOR<br>DB                                      | TC: Total Heating Capacity (BTU/hr) |                  |                  |                    |                    | PI: Power Input (kW)   |                  |                  |                    |                    |
|                  |                                                    | Indoor Conditions (DB)              |                  |                  |                    |                    | Indoor Conditions (DB) |                  |                  |                    |                    |
|                  |                                                    | 60.8°F<br>(16.0°C)                  | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) | 60.8°F<br>(16.0°C)     | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) |
| 176              | -22°F (-30.0°C)                                    | 2182                                | 2139             | 2128             | 2040               | 2022               | 1.30                   | 1.31             | 1.31             | 1.31               | 1.32               |
|                  | -13°F (-25.0°C)                                    | 2668                                | 2615             | 2602             | 2398               | 2377               | 1.39                   | 1.40             | 1.40             | 1.40               | 1.41               |
|                  | -4°F (-20.0°C)                                     | 3591                                | 3519             | 3502             | 3228               | 3199               | 1.53                   | 1.54             | 1.54             | 1.55               | 1.55               |
|                  | 0°F (-17.8°C)                                      | 4299                                | 4213             | 4192             | 3864               | 3829               | 1.58                   | 1.59             | 1.59             | 1.60               | 1.60               |
|                  | 5°F (-15.0°C)                                      | 5183                                | 5080             | 5054             | 4659               | 4617               | 1.64                   | 1.66             | 1.66             | 1.66               | 1.67               |
|                  | 14°F (-10.0°C)                                     | 5327                                | 5220             | 5194             | 4788               | 4745               | 1.58                   | 1.59             | 1.59             | 1.60               | 1.60               |
|                  | 17°F (-8.3°C)                                      | 5374                                | 5267             | 5241             | 4831               | 4787               | 1.55                   | 1.57             | 1.57             | 1.57               | 1.58               |
|                  | 22°F (-5.6°C)                                      | 5632                                | 5519             | 5492             | 5062               | 5017               | 1.55                   | 1.56             | 1.56             | 1.57               | 1.57               |
|                  | 27°F (-2.8°C)                                      | 5889                                | 5772             | 5743             | 5294               | 5246               | 1.54                   | 1.56             | 1.56             | 1.56               | 1.57               |
|                  | 32°F (0.0°C)                                       | 6147                                | 6024             | 5994             | 5525               | 5475               | 1.54                   | 1.55             | 1.55             | 1.56               | 1.56               |
|                  | 35°F (1.7°C)                                       | 6301                                | 6175             | 6144             | 5664               | 5613               | 1.54                   | 1.55             | 1.55             | 1.55               | 1.56               |
|                  | 37°F (2.8°C)                                       | 6447                                | 6318             | 6287             | 5795               | 5743               | 1.50                   | 1.51             | 1.51             | 1.52               | 1.52               |
|                  | 42°F (5.6°C)                                       | 6812                                | 6676             | 6642             | 6123               | 6068               | 1.40                   | 1.41             | 1.42             | 1.42               | 1.43               |
|                  | 44.6°F (7.0°C)                                     | 6958                                | 6819             | 6785             | 6254               | 6198               | 1.37                   | 1.38             | 1.38             | 1.38               | 1.39               |
|                  | 47°F (8.3°C)                                       | 7177                                | 7033             | 6998             | 6451               | 6393               | 1.31                   | 1.32             | 1.32             | 1.33               | 1.33               |
|                  | 52°F (11.1°C)                                      | 6868                                | 6731             | 6697             | 6173               | 6117               | 1.18                   | 1.19             | 1.19             | 1.19               | 1.20               |
|                  | 57°F (13.9°C)                                      | 6559                                | 6428             | 6396             | 5895               | 5842               | 1.05                   | 1.05             | 1.06             | 1.06               | 1.06               |
|                  | 59°F (15.0°C)                                      | 6435                                | 6307             | 6275             | 5784               | 5732               | 0.99                   | 1.00             | 1.00             | 1.00               | 1.01               |
|                  | 62°F (16.7°C)                                      | 6250                                | 6125             | 6094             | 5618               | 5567               | 0.91                   | 0.92             | 0.92             | 0.92               | 0.93               |
|                  | 64.4°F (18.0°C)                                    | 6126                                | 6004             | 5974             | 5506               | 5457               | 0.86                   | 0.87             | 0.87             | 0.87               | 0.87               |
| 318              | -22°F (-30.0°C)                                    | 2941                                | 2882             | 2868             | 2802               | 2777               | 1.31                   | 1.32             | 1.32             | 1.32               | 1.33               |
|                  | -13°F (-25.0°C)                                    | 3526                                | 3456             | 3438             | 3294               | 3265               | 1.40                   | 1.41             | 1.41             | 1.42               | 1.42               |
|                  | -4°F (-20.0°C)                                     | 4745                                | 4650             | 4627             | 4434               | 4394               | 1.54                   | 1.55             | 1.56             | 1.56               | 1.57               |
|                  | 0°F (-17.8°C)                                      | 5681                                | 5567             | 5539             | 5307               | 5260               | 1.59                   | 1.61             | 1.61             | 1.61               | 1.62               |
|                  | 5°F (-15.0°C)                                      | 6849                                | 6712             | 6679             | 6400               | 6342               | 1.66                   | 1.67             | 1.68             | 1.68               | 1.69               |
|                  | 14°F (-10.0°C)                                     | 7039                                | 6898             | 6864             | 6577               | 6517               | 1.59                   | 1.61             | 1.61             | 1.61               | 1.62               |
|                  | 17°F (-8.3°C)                                      | 7102                                | 6960             | 6925             | 6636               | 6576               | 1.57                   | 1.58             | 1.59             | 1.59               | 1.60               |
|                  | 22°F (-5.6°C)                                      | 7442                                | 7294             | 7257             | 6954               | 6891               | 1.56                   | 1.58             | 1.58             | 1.58               | 1.59               |
|                  | 27°F (-2.8°C)                                      | 7783                                | 7627             | 7589             | 7271               | 7206               | 1.56                   | 1.57             | 1.58             | 1.58               | 1.58               |
|                  | 32°F (0.0°C)                                       | 8123                                | 7960             | 7921             | 7589               | 7521               | 1.55                   | 1.57             | 1.57             | 1.57               | 1.58               |
|                  | 35°F (1.7°C)                                       | 8327                                | 8161             | 8120             | 7780               | 7710               | 1.55                   | 1.56             | 1.57             | 1.57               | 1.58               |
|                  | 37°F (2.8°C)                                       | 8520                                | 8349             | 8308             | 7960               | 7889               | 1.51                   | 1.53             | 1.53             | 1.53               | 1.54               |
|                  | 42°F (5.6°C)                                       | 9002                                | 8822             | 8778             | 8411               | 8335               | 1.42                   | 1.43             | 1.43             | 1.43               | 1.44               |
|                  | 44.6°F (7.0°C)                                     | 9195                                | 9011             | 8966             | 8591               | 8514               | 1.38                   | 1.39             | 1.39             | 1.40               | 1.40               |
|                  | 47°F (8.3°C)                                       | 9484                                | 9294             | 9248             | 8861               | 8781               | 1.32                   | 1.33             | 1.34             | 1.34               | 1.34               |
|                  | 52°F (11.1°C)                                      | 9076                                | 8894             | 8850             | 8480               | 8403               | 1.19                   | 1.20             | 1.20             | 1.20               | 1.21               |
|                  | 57°F (13.9°C)                                      | 8667                                | 8494             | 8452             | 8098               | 8025               | 1.06                   | 1.06             | 1.07             | 1.07               | 1.07               |
|                  | 59°F (15.0°C)                                      | 8504                                | 8334             | 8292             | 7945               | 7874               | 1.00                   | 1.01             | 1.01             | 1.01               | 1.02               |
|                  | 62°F (16.7°C)                                      | 8259                                | 8094             | 8053             | 7716               | 7647               | 0.92                   | 0.93             | 0.93             | 0.93               | 0.94               |
|                  | 64.4°F (18.0°C)                                    | 8096                                | 7934             | 7894             | 7564               | 7496               | 0.87                   | 0.88             | 0.88             | 0.88               | 0.88               |

Table 14 – High Wall Heating Performance (9K) (Continued)

| AIRFLOW<br>(CFM) | HEATING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE |                                     |                  |                  |                    |                    |                        |                  |                  |                    |                    |
|------------------|----------------------------------------------------|-------------------------------------|------------------|------------------|--------------------|--------------------|------------------------|------------------|------------------|--------------------|--------------------|
|                  | OUTDOOR<br>DB                                      | TC: Total Heating Capacity (BTU/hr) |                  |                  |                    |                    | PI: Power Input (kW)   |                  |                  |                    |                    |
|                  |                                                    | Indoor Conditions (DB)              |                  |                  |                    |                    | Indoor Conditions (DB) |                  |                  |                    |                    |
|                  |                                                    | 60.8°F<br>(16.0°C)                  | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) | 60.8°F<br>(16.0°C)     | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) |
| 388              | -22°F (-30.0°C)                                    | 3964                                | 3884             | 3865             | 3850               | 3815               | 1.32                   | 1.33             | 1.34             | 1.34               | 1.34               |
|                  | -13°F (-25.0°C)                                    | 4660                                | 4566             | 4544             | 4525               | 4485               | 1.41                   | 1.43             | 1.43             | 1.43               | 1.44               |
|                  | -4°F (-20.0°C)                                     | 6271                                | 6145             | 6115             | 6090               | 6035               | 1.56                   | 1.57             | 1.57             | 1.58               | 1.58               |
|                  | 0°F (-17.8°C)                                      | 7507                                | 7356             | 7320             | 7290               | 7225               | 1.61                   | 1.62             | 1.63             | 1.63               | 1.64               |
|                  | 5°F (-15.0°C)                                      | 9051                                | 8870             | 8826             | 8791               | 8712               | 1.68                   | 1.69             | 1.69             | 1.70               | 1.70               |
|                  | 14°F (-10.0°C)                                     | 9302                                | 9116             | 9070             | 9034               | 8953               | 1.61                   | 1.62             | 1.62             | 1.63               | 1.63               |
|                  | 17°F (-8.3°C)                                      | 9385                                | 9198             | 9152             | 9115               | 9033               | 1.59                   | 1.60             | 1.60             | 1.61               | 1.61               |
|                  | 22°F (-5.6°C)                                      | 9835                                | 9638             | 9590             | 9552               | 9466               | 1.58                   | 1.59             | 1.60             | 1.60               | 1.61               |
|                  | 27°F (-2.8°C)                                      | 10285                               | 10079            | 10028            | 9988               | 9898               | 1.58                   | 1.59             | 1.59             | 1.59               | 1.60               |
|                  | 32°F (0.0°C)                                       | 10734                               | 10519            | 10467            | 10425              | 10331              | 1.57                   | 1.58             | 1.59             | 1.59               | 1.60               |
|                  | 35°F (1.7°C)                                       | 11004                               | 10784            | 10730            | 10687              | 10591              | 1.57                   | 1.58             | 1.58             | 1.59               | 1.59               |
|                  | 37°F (2.8°C)                                       | 11259                               | 11034            | 10978            | 10934              | 10836              | 1.53                   | 1.54             | 1.54             | 1.55               | 1.55               |
|                  | 42°F (5.6°C)                                       | 11896                               | 11658            | 11600            | 11553              | 11449              | 1.43                   | 1.44             | 1.45             | 1.45               | 1.46               |
|                  | 44.6°F (7.0°C)                                     | 12151                               | 11908            | 11848            | 11801              | 11694              | 1.39                   | 1.40             | 1.41             | 1.41               | 1.42               |
|                  | 47°F (8.3°C)                                       | 12533                               | 12282            | 12221            | 12172              | 12062              | 1.34                   | 1.35             | 1.35             | 1.35               | 1.36               |
|                  | 52°F (11.1°C)                                      | 11993                               | 11753            | 11695            | 11648              | 11543              | 1.20                   | 1.21             | 1.21             | 1.22               | 1.22               |
|                  | 57°F (13.9°C)                                      | 11454                               | 11225            | 11168            | 11124              | 11024              | 1.07                   | 1.08             | 1.08             | 1.08               | 1.08               |
|                  | 59°F (15.0°C)                                      | 11238                               | 11013            | 10958            | 10914              | 10816              | 1.01                   | 1.02             | 1.02             | 1.02               | 1.03               |
|                  | 62°F (16.7°C)                                      | 10914                               | 10696            | 10642            | 10600              | 10504              | 0.93                   | 0.94             | 0.94             | 0.94               | 0.95               |
|                  | 64.4°F (18.0°C)                                    | 10698                               | 10484            | 10432            | 10390              | 10296              | 0.88                   | 0.89             | 0.89             | 0.89               | 0.89               |
| 447              | -22°F (-30.0°C)                                    | 5238                                | 2139             | 2128             | 2040               | 2022               | 1.30                   | 1.31             | 1.31             | 1.31               | 1.32               |
|                  | -13°F (-25.0°C)                                    | 6157                                | 2615             | 2602             | 2398               | 2377               | 1.39                   | 1.40             | 1.40             | 1.40               | 1.41               |
|                  | -4°F (-20.0°C)                                     | 8287                                | 3519             | 3502             | 3228               | 3199               | 1.53                   | 1.54             | 1.54             | 1.55               | 1.55               |
|                  | 0°F (-17.8°C)                                      | 9920                                | 4213             | 4192             | 3864               | 3829               | 1.58                   | 1.59             | 1.59             | 1.60               | 1.60               |
|                  | 5°F (-15.0°C)                                      | 11961                               | 5080             | 5054             | 4659               | 4617               | 1.64                   | 1.66             | 1.66             | 1.66               | 1.67               |
|                  | 14°F (-10.0°C)                                     | 12292                               | 5220             | 5194             | 4788               | 4745               | 1.58                   | 1.59             | 1.59             | 1.60               | 1.60               |
|                  | 17°F (-8.3°C)                                      | 12402                               | 5267             | 5241             | 4831               | 4787               | 1.55                   | 1.57             | 1.57             | 1.57               | 1.58               |
|                  | 22°F (-5.6°C)                                      | 12996                               | 5519             | 5492             | 5062               | 5017               | 1.55                   | 1.56             | 1.56             | 1.57               | 1.57               |
|                  | 27°F (-2.8°C)                                      | 13591                               | 5772             | 5743             | 5294               | 5246               | 1.54                   | 1.56             | 1.56             | 1.56               | 1.57               |
|                  | 32°F (0.0°C)                                       | 14185                               | 6024             | 5994             | 5525               | 5475               | 1.54                   | 1.55             | 1.55             | 1.56               | 1.56               |
|                  | 35°F (1.7°C)                                       | 14541                               | 6175             | 6144             | 5664               | 5613               | 1.54                   | 1.55             | 1.55             | 1.55               | 1.56               |
|                  | 37°F (2.8°C)                                       | 14878                               | 6318             | 6287             | 5795               | 5743               | 1.50                   | 1.51             | 1.51             | 1.52               | 1.52               |
|                  | 42°F (5.6°C)                                       | 15720                               | 6676             | 6642             | 6123               | 6068               | 1.40                   | 1.41             | 1.42             | 1.42               | 1.43               |
|                  | 44.6°F (7.0°C)                                     | 16057                               | 6819             | 6785             | 6254               | 6198               | 1.37                   | 1.38             | 1.38             | 1.38               | 1.39               |
|                  | 47°F (8.3°C)                                       | 16562                               | 7033             | 6998             | 6451               | 6393               | 1.31                   | 1.32             | 1.32             | 1.33               | 1.33               |
|                  | 52°F (11.1°C)                                      | 15849                               | 6731             | 6697             | 6173               | 6117               | 1.18                   | 1.19             | 1.19             | 1.19               | 1.20               |
|                  | 57°F (13.9°C)                                      | 15136                               | 6428             | 6396             | 5895               | 5842               | 1.05                   | 1.05             | 1.06             | 1.06               | 1.06               |
|                  | 59°F (15.0°C)                                      | 14850                               | 6307             | 6275             | 5784               | 5732               | 0.99                   | 1.00             | 1.00             | 1.00               | 1.01               |
|                  | 62°F (16.7°C)                                      | 14422                               | 6125             | 6094             | 5618               | 5567               | 0.91                   | 0.92             | 0.92             | 0.92               | 0.93               |
|                  | 64.4°F (18.0°C)                                    | 14137                               | 6004             | 5974             | 5506               | 5457               | 0.86                   | 0.87             | 0.87             | 0.87               | 0.87               |

**NOTE:** Values in grey are extrapolated based on tested performance.

Table 15 – High Wall Cooling Performance (12K)

| Airflow<br>CFM | Out-<br>door<br>DB | ID WB | 60.8°F (16.0°C)  |                  |                  |                  |                  | 64.4°F (16.0°C)  |                  |                  |                  |                  | 67.0°F (19.4°C)  |                  |                  |                  |                  | 71.6°F (22.0°C)  |                  |                  |                  |                  |
|----------------|--------------------|-------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
|                |                    | ID DB | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C |
| 188            | -22°F<br>30°C      | TC    | 5562             | 5569             | 5575             | 5575             | 5583             | 5897             | 5904             | 5910             | 5911             | 5918             | 6249             | 6257             | 6264             | 6265             | 6272             | 6626             | 6633             | 6640             | 6641             | 6649             |
|                |                    | S/T   | 0.31             | 0.37             | 0.42             | 0.42             | 0.48             | 0.33             | 0.39             | 0.44             | 0.44             | 0.51             | 0.35             | 0.41             | 0.47             | 0.47             | 0.54             | 0.37             | 0.44             | 0.50             | 0.50             | 0.57             |
|                |                    | PI    | 0.33             | 0.33             | 0.33             | 0.33             | 0.34             | 0.35             | 0.35             | 0.35             | 0.36             | 0.36             | 0.38             | 0.38             | 0.38             | 0.38             | 0.38             | 0.40             | 0.40             | 0.40             | 0.40             | 0.40             |
|                | -13°F<br>25°C      | TC    | 6025             | 6033             | 6040             | 6040             | 6048             | 6388             | 6396             | 6402             | 6403             | 6411             | 6770             | 6779             | 6786             | 6787             | 6795             | 7178             | 7185             | 7193             | 7194             | 7203             |
|                |                    | S/T   | 0.32             | 0.37             | 0.42             | 0.42             | 0.48             | 0.34             | 0.39             | 0.45             | 0.45             | 0.51             | 0.36             | 0.42             | 0.47             | 0.47             | 0.54             | 0.38             | 0.44             | 0.50             | 0.50             | 0.57             |
|                |                    | PI    | 0.36             | 0.36             | 0.36             | 0.36             | 0.36             | 0.38             | 0.38             | 0.38             | 0.38             | 0.39             | 0.41             | 0.41             | 0.41             | 0.41             | 0.41             | 0.43             | 0.43             | 0.43             | 0.43             | 0.43             |
|                | -4°F<br>20°C       | TC    | 6488             | 6497             | 6504             | 6504             | 6513             | 6879             | 6888             | 6894             | 6896             | 6904             | 7290             | 7300             | 7308             | 7309             | 7318             | 7730             | 7738             | 7747             | 7748             | 7757             |
|                |                    | S/T   | 0.32             | 0.37             | 0.42             | 0.42             | 0.48             | 0.34             | 0.40             | 0.45             | 0.45             | 0.51             | 0.36             | 0.42             | 0.48             | 0.48             | 0.54             | 0.38             | 0.44             | 0.51             | 0.51             | 0.58             |
|                |                    | PI    | 0.39             | 0.39             | 0.39             | 0.39             | 0.39             | 0.41             | 0.41             | 0.41             | 0.41             | 0.41             | 0.44             | 0.44             | 0.44             | 0.44             | 0.44             | 0.46             | 0.46             | 0.47             | 0.47             | 0.47             |
|                | 0°F<br>17.8°C      | TC    | 6694             | 6703             | 6711             | 6711             | 6720             | 7098             | 7106             | 7113             | 7115             | 7123             | 7522             | 7532             | 7540             | 7542             | 7550             | 7975             | 7984             | 7993             | 7994             | 8004             |
|                |                    | S/T   | 0.32             | 0.37             | 0.43             | 0.43             | 0.49             | 0.34             | 0.40             | 0.45             | 0.45             | 0.51             | 0.36             | 0.42             | 0.48             | 0.48             | 0.55             | 0.38             | 0.45             | 0.51             | 0.51             | 0.58             |
|                |                    | PI    | 0.40             | 0.40             | 0.40             | 0.40             | 0.40             | 0.43             | 0.43             | 0.43             | 0.43             | 0.43             | 0.45             | 0.45             | 0.45             | 0.45             | 0.45             | 0.48             | 0.48             | 0.48             | 0.48             | 0.48             |
|                | 5°F<br>15°C        | TC    | 6952             | 6961             | 6969             | 6969             | 6978             | 7371             | 7380             | 7387             | 7388             | 7397             | 7811             | 7821             | 7830             | 7832             | 7840             | 8282             | 8291             | 8300             | 8301             | 8312             |
|                |                    | S/T   | 0.32             | 0.38             | 0.43             | 0.43             | 0.49             | 0.34             | 0.40             | 0.45             | 0.45             | 0.52             | 0.36             | 0.42             | 0.48             | 0.48             | 0.55             | 0.38             | 0.45             | 0.51             | 0.51             | 0.58             |
|                |                    | PI    | 0.42             | 0.42             | 0.42             | 0.42             | 0.42             | 0.44             | 0.44             | 0.44             | 0.44             | 0.44             | 0.47             | 0.47             | 0.47             | 0.47             | 0.47             | 0.50             | 0.50             | 0.50             | 0.50             | 0.50             |
|                | 14°F<br>10°C       | TC    | 7206             | 7215             | 7223             | 7223             | 7233             | 7640             | 7649             | 7656             | 7658             | 7667             | 8096             | 8107             | 8116             | 8117             | 8126             | 8584             | 8593             | 8603             | 8604             | 8615             |
|                |                    | S/T   | 0.32             | 0.38             | 0.43             | 0.43             | 0.49             | 0.34             | 0.40             | 0.45             | 0.45             | 0.52             | 0.36             | 0.42             | 0.48             | 0.48             | 0.55             | 0.38             | 0.45             | 0.51             | 0.51             | 0.58             |
|                |                    | PI    | 0.43             | 0.43             | 0.43             | 0.43             | 0.44             | 0.46             | 0.46             | 0.46             | 0.46             | 0.46             | 0.49             | 0.49             | 0.49             | 0.49             | 0.49             | 0.52             | 0.52             | 0.52             | 0.52             | 0.52             |
|                | 17°F<br>10°C       | TC    | 7290             | 7300             | 7308             | 7308             | 7318             | 7729             | 7739             | 7746             | 7748             | 7757             | 8191             | 8202             | 8211             | 8213             | 8222             | 8685             | 8694             | 8704             | 8705             | 8716             |
|                |                    | S/T   | 0.32             | 0.38             | 0.43             | 0.43             | 0.49             | 0.34             | 0.40             | 0.46             | 0.46             | 0.52             | 0.36             | 0.43             | 0.48             | 0.48             | 0.55             | 0.38             | 0.45             | 0.51             | 0.51             | 0.58             |
|                |                    | PI    | 0.44             | 0.44             | 0.44             | 0.44             | 0.44             | 0.47             | 0.47             | 0.47             | 0.47             | 0.47             | 0.49             | 0.49             | 0.49             | 0.49             | 0.49             | 0.52             | 0.52             | 0.52             | 0.52             | 0.52             |
|                | 23°F<br>5°C        | TC    | 7543             | 7553             | 7561             | 7562             | 7572             | 7997             | 8007             | 8015             | 8016             | 8026             | 8475             | 8486             | 8496             | 8497             | 8507             | 8986             | 8996             | 9006             | 9007             | 9018             |
|                |                    | S/T   | 0.32             | 0.38             | 0.43             | 0.43             | 0.49             | 0.34             | 0.40             | 0.46             | 0.46             | 0.52             | 0.36             | 0.43             | 0.49             | 0.49             | 0.55             | 0.39             | 0.45             | 0.51             | 0.51             | 0.59             |
|                |                    | PI    | 0.45             | 0.45             | 0.45             | 0.45             | 0.45             | 0.47             | 0.47             | 0.47             | 0.47             | 0.47             | 0.50             | 0.50             | 0.50             | 0.50             | 0.50             | 0.53             | 0.53             | 0.53             | 0.53             | 0.53             |
|                | 35°F<br>1.7°C      | TC    | 8049             | 8059             | 8068             | 8068             | 8079             | 8534             | 8544             | 8552             | 8554             | 8564             | 9043             | 9055             | 9065             | 9067             | 9077             | 9588             | 9599             | 9609             | 9611             | 9623             |
|                |                    | S/T   | 0.33             | 0.38             | 0.43             | 0.43             | 0.50             | 0.35             | 0.41             | 0.46             | 0.46             | 0.52             | 0.37             | 0.43             | 0.49             | 0.49             | 0.56             | 0.39             | 0.46             | 0.52             | 0.52             | 0.59             |
|                |                    | PI    | 0.46             | 0.46             | 0.46             | 0.46             | 0.46             | 0.49             | 0.49             | 0.49             | 0.49             | 0.49             | 0.51             | 0.52             | 0.52             | 0.52             | 0.52             | 0.55             | 0.55             | 0.55             | 0.55             | 0.55             |
|                | 41°F<br>5°C        | TC    | 7312             | 7322             | 7330             | 7330             | 7340             | 7753             | 7762             | 7770             | 7771             | 7780             | 8216             | 8227             | 8236             | 8237             | 8247             | 8711             | 8720             | 8730             | 8731             | 8742             |
|                |                    | S/T   | 0.33             | 0.38             | 0.44             | 0.44             | 0.50             | 0.35             | 0.41             | 0.46             | 0.46             | 0.53             | 0.37             | 0.43             | 0.49             | 0.49             | 0.56             | 0.39             | 0.46             | 0.52             | 0.52             | 0.59             |
|                |                    | PI    | 0.36             | 0.36             | 0.36             | 0.36             | 0.36             | 0.38             | 0.38             | 0.38             | 0.38             | 0.38             | 0.40             | 0.40             | 0.40             | 0.40             | 0.40             | 0.43             | 0.43             | 0.43             | 0.43             | 0.43             |
|                | 47°F<br>8.3°C      | TC    | 6576             | 6585             | 6592             | 6592             | 6601             | 6972             | 6980             | 6987             | 6989             | 6997             | 7389             | 7398             | 7406             | 7408             | 7416             | 7834             | 7842             | 7851             | 7852             | 7862             |
|                |                    | S/T   | 0.33             | 0.38             | 0.44             | 0.44             | 0.50             | 0.35             | 0.41             | 0.46             | 0.46             | 0.53             | 0.37             | 0.43             | 0.49             | 0.49             | 0.56             | 0.39             | 0.46             | 0.52             | 0.52             | 0.59             |
|                |                    | PI    | 0.26             | 0.26             | 0.26             | 0.26             | 0.26             | 0.27             | 0.27             | 0.27             | 0.27             | 0.27             | 0.29             | 0.29             | 0.29             | 0.29             | 0.29             | 0.31             | 0.31             | 0.31             | 0.31             | 0.31             |
|                | 50°F<br>10°C       | TC    | 6700             | 6709             | 6716             | 6716             | 6725             | 7103             | 7112             | 7119             | 7120             | 7129             | 7528             | 7537             | 7546             | 7547             | 7556             | 7981             | 7990             | 7999             | 8000             | 8010             |
|                |                    | S/T   | 0.33             | 0.39             | 0.44             | 0.44             | 0.50             | 0.35             | 0.41             | 0.47             | 0.47             | 0.53             | 0.37             | 0.43             | 0.49             | 0.49             | 0.56             | 0.39             | 0.46             | 0.52             | 0.52             | 0.60             |
|                |                    | PI    | 0.26             | 0.26             | 0.27             | 0.27             | 0.27             | 0.28             | 0.28             | 0.28             | 0.28             | 0.28             | 0.30             | 0.30             | 0.30             | 0.30             | 0.30             | 0.32             | 0.32             | 0.32             | 0.32             | 0.32             |
|                | 59°F<br>15°C       | TC    | 7071             | 7081             | 7088             | 7088             | 7098             | 7497             | 7506             | 7514             | 7515             | 7524             | 7945             | 7955             | 7964             | 7966             | 7975             | 8424             | 8433             | 8442             | 8444             | 8454             |
|                |                    | S/T   | 0.33             | 0.39             | 0.44             | 0.44             | 0.50             | 0.35             | 0.41             | 0.47             | 0.47             | 0.53             | 0.37             | 0.44             | 0.50             | 0.50             | 0.56             | 0.39             | 0.46             | 0.53             | 0.53             | 0.60             |
|                |                    | PI    | 0.29             | 0.29             | 0.29             | 0.29             | 0.29             | 0.30             | 0.30             | 0.30             | 0.30             | 0.30             | 0.32             | 0.32             | 0.32             | 0.32             | 0.32             | 0.34             | 0.34             | 0.34             | 0.34             | 0.34             |
|                | 68°F<br>20°C       | TC    | 7443             | 7453             | 7461             | 7461             | 7471             | 7891             | 7900             | 7908             | 7910             | 7919             | 8363             | 8373             | 8383             | 8384             | 8394             | 8866             | 8876             | 8886             | 8887             | 8898             |
|                |                    | S/T   | 0.34             | 0.40             | 0.45             | 0.45             | 0.52             | 0.36             | 0.42             | 0.48             | 0.48             | 0.55             | 0.38             | 0.45             | 0.51             | 0.51             | 0.58             | 0.40             | 0.47             | 0.54             | 0.54             | 0.61             |
|                |                    | PI    | 0.31             | 0.31             | 0.31             | 0.31             | 0.31             | 0.32             | 0.33             | 0.33             | 0.33             | 0.33             | 0.34             | 0.34             | 0.34             | 0.35             | 0.35             | 0.36             | 0.37             | 0.37             | 0.37             | 0.37             |
|                | 77°F<br>25°C       | TC    | 7814             | 7825             | 7833             | 7833             | 7844             | 8285             | 8295             | 8303             | 8305             | 8315             | 8780             | 8791             | 8801             | 8803             | 8813             | 9309             | 9319             | 9329             | 9331             | 9342             |
|                |                    | S/T   | 0.34             | 0.40             | 0.46             | 0.46             | 0.52             | 0.36             | 0.43             | 0.49             | 0.49             | 0.55             | 0.39             | 0.45             | 0.52             | 0.52             | 0.59             | 0.41             | 0.48             | 0.55             | 0.55             | 0.62             |
|                |                    | PI    | 0.33             | 0.33             | 0.33             | 0.33             | 0.33             | 0.35             | 0.35             | 0.35             | 0.35             | 0.35             | 0.37             | 0.37             | 0.37             | 0.37             | 0.37             | 0.39             | 0.39             | 0.39             | 0.39             | 0.39             |
|                | 82°F<br>27.8°C     | TC    | 7865             | 7876             | 7884             | 7885             | 7895             | 8339             | 8349             | 8358             | 8359             | 8369             | 8838             | 8849             | 8859             | 8861             | 8870             | 9370             | 9380             | 9391             | 9392             | 9404             |
|                |                    | S/T   | 0.35             | 0.41             | 0.46             | 0.46             | 0.53             | 0.37             | 0.43             | 0.49             | 0.49             | 0.56             | 0.39             | 0.46             | 0.52             | 0.52             | 0.59             | 0.41             | 0.49             | 0.55             | 0.55             | 0.63             |
|                |                    | PI    | 0.36             | 0.36             | 0.36             | 0.36             | 0.36             | 0.39             | 0.39             | 0.39             | 0.39             | 0.39             | 0.41             | 0.41             | 0.41             | 0.41             | 0.41             | 0.43             | 0.43             | 0.43             | 0.43             | 0.43             |
|                | 86°F<br>30°C       | TC    | 7711             | 7721             | 7729             | 7730             | 7740             | 8175             | 8185             | 8193             | 8195             | 8204             | 8664             | 8675             | 8685             | 8686             | 8696             | 9186             | 9196             | 9206             | 9207             | 9219             |
|                |                    | S/T   | 0.35             | 0.41             | 0.47             | 0.47             | 0.54             | 0.37             | 0.44             | 0.50             | 0.50             | 0.57             | 0.40             | 0.47             | 0.53             | 0.53             | 0.60             | 0.42             | 0.49             | 0.56             | 0.56             | 0.64             |
|                |                    | PI    | 0.42             | 0.42             | 0.42             | 0.42             | 0.43             | 0.45             | 0.45             | 0.45             | 0.45             | 0.45             | 0.48             | 0.48             | 0.48             | 0.48             | 0.48             | 0.50             | 0.51             | 0.51             | 0.51             | 0.51             |
|                | 95°F<br>35°C       | TC    | 7362             | 7372             | 7380             | 7380             | 7390             | 7806             | 7815             | 7823             | 7824             | 7834             | 8272             | 8283             |                  |                  |                  |                  |                  |                  |                  |                  |

Table 15 – High Wall Cooling Performance (12K) (Continued)

| Airflow<br>CFM | Out-<br>door<br>DB | ID WB | 60.8°F (16.0°C) |                  |                  |                  |                  | 64.4°F (16.0°C)  |                  |                  |                  |                  | 67.0°F (19.4°C)  |                  |                  |                  |                  | 71.6°F (22.0°C)  |                  |                  |                  |                  |
|----------------|--------------------|-------|-----------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
|                |                    |       | ID DB           | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C |
| 324            | -22°F<br>30°C      | TC    | 6386            | 6394             | 6401             | 6402             | 6410             | 6771             | 6779             | 6785             | 6787             | 6795             | 7175             | 7185             | 7193             | 7194             | 7202             | 7608             | 7616             | 7624             | 7625             | 7635             |
|                |                    | S/T   | 0.36            | 0.42             | 0.48             | 0.48             | 0.55             | 0.38             | 0.45             | 0.51             | 0.51             | 0.58             | 0.41             | 0.48             | 0.54             | 0.54             | 0.62             | 0.43             | 0.50             | 0.57             | 0.57             | 0.65             |
|                |                    | PI    | 0.38            | 0.38             | 0.38             | 0.38             | 0.39             | 0.41             | 0.41             | 0.41             | 0.41             | 0.41             | 0.43             | 0.43             | 0.43             | 0.43             | 0.43             | 0.46             | 0.46             | 0.46             | 0.46             | 0.46             |
|                | -13°F<br>25°C      | TC    | 6918            | 6927             | 6935             | 6935             | 6944             | 7335             | 7344             | 7351             | 7352             | 7361             | 7773             | 7783             | 7792             | 7793             | 7802             | 8241             | 8250             | 8259             | 8261             | 8271             |
|                |                    | S/T   | 0.36            | 0.43             | 0.48             | 0.48             | 0.55             | 0.39             | 0.45             | 0.51             | 0.51             | 0.59             | 0.41             | 0.48             | 0.54             | 0.54             | 0.62             | 0.43             | 0.51             | 0.58             | 0.58             | 0.66             |
|                |                    | PI    | 0.42            | 0.42             | 0.42             | 0.42             | 0.42             | 0.44             | 0.44             | 0.44             | 0.44             | 0.44             | 0.47             | 0.47             | 0.47             | 0.47             | 0.47             | 0.50             | 0.50             | 0.50             | 0.50             | 0.50             |
|                | -4°F<br>20°C       | TC    | 7450            | 7460             | 7468             | 7469             | 7479             | 7899             | 7908             | 7916             | 7918             | 7927             | 8371             | 8382             | 8391             | 8393             | 8402             | 8875             | 8885             | 8895             | 8896             | 8907             |
|                |                    | S/T   | 0.37            | 0.43             | 0.49             | 0.49             | 0.56             | 0.39             | 0.45             | 0.52             | 0.52             | 0.59             | 0.41             | 0.48             | 0.55             | 0.55             | 0.62             | 0.44             | 0.51             | 0.58             | 0.58             | 0.66             |
|                |                    | PI    | 0.45            | 0.45             | 0.45             | 0.45             | 0.45             | 0.47             | 0.48             | 0.48             | 0.48             | 0.48             | 0.50             | 0.50             | 0.50             | 0.50             | 0.50             | 0.53             | 0.53             | 0.53             | 0.53             | 0.54             |
|                | 0°F<br>17.8°C      | TC    | 7687            | 7697             | 7705             | 7706             | 7716             | 8150             | 8160             | 8168             | 8169             | 8179             | 8637             | 8648             | 8658             | 8659             | 8669             | 9157             | 9167             | 9177             | 9179             | 9190             |
|                |                    | S/T   | 0.37            | 0.43             | 0.49             | 0.49             | 0.56             | 0.39             | 0.46             | 0.52             | 0.52             | 0.59             | 0.41             | 0.48             | 0.55             | 0.55             | 0.63             | 0.44             | 0.51             | 0.58             | 0.58             | 0.66             |
|                |                    | PI    | 0.46            | 0.46             | 0.46             | 0.46             | 0.46             | 0.49             | 0.49             | 0.49             | 0.49             | 0.49             | 0.52             | 0.52             | 0.52             | 0.52             | 0.52             | 0.55             | 0.55             | 0.55             | 0.55             | 0.55             |
|                | 5°F<br>15°C        | TC    | 7982            | 7993             | 8002             | 8002             | 8013             | 8463             | 8473             | 8482             | 8483             | 8494             | 8969             | 8981             | 8991             | 8992             | 9002             | 9509             | 9520             | 9530             | 9532             | 9543             |
|                |                    | S/T   | 0.37            | 0.43             | 0.49             | 0.49             | 0.56             | 0.39             | 0.46             | 0.52             | 0.52             | 0.59             | 0.41             | 0.49             | 0.55             | 0.55             | 0.63             | 0.44             | 0.51             | 0.59             | 0.59             | 0.67             |
|                |                    | PI    | 0.48            | 0.48             | 0.48             | 0.48             | 0.48             | 0.51             | 0.51             | 0.51             | 0.51             | 0.51             | 0.54             | 0.54             | 0.54             | 0.54             | 0.54             | 0.57             | 0.57             | 0.57             | 0.57             | 0.57             |
|                | 14°F<br>10°C       | TC    | 8274            | 8285             | 8294             | 8294             | 8305             | 8772             | 8783             | 8791             | 8793             | 8803             | 9296             | 9308             | 9319             | 9320             | 9331             | 9856             | 9867             | 9878             | 9879             | 9892             |
|                |                    | S/T   | 0.37            | 0.43             | 0.49             | 0.49             | 0.56             | 0.39             | 0.46             | 0.52             | 0.52             | 0.59             | 0.41             | 0.49             | 0.55             | 0.55             | 0.63             | 0.44             | 0.52             | 0.59             | 0.59             | 0.67             |
|                |                    | PI    | 0.50            | 0.50             | 0.50             | 0.50             | 0.50             | 0.53             | 0.53             | 0.53             | 0.53             | 0.53             | 0.56             | 0.56             | 0.56             | 0.56             | 0.56             | 0.59             | 0.59             | 0.59             | 0.59             | 0.59             |
|                | 17°F<br>10°C       | TC    | 8371            | 8382             | 8391             | 8391             | 8403             | 8875             | 8886             | 8894             | 8896             | 8907             | 9405             | 9418             | 9428             | 9430             | 9440             | 9972             | 9983             | 9994             | 9995             | 10008            |
|                |                    | S/T   | 0.37            | 0.43             | 0.49             | 0.49             | 0.56             | 0.39             | 0.46             | 0.52             | 0.52             | 0.60             | 0.42             | 0.49             | 0.55             | 0.55             | 0.63             | 0.44             | 0.52             | 0.59             | 0.59             | 0.67             |
|                |                    | PI    | 0.50            | 0.50             | 0.50             | 0.50             | 0.51             | 0.53             | 0.53             | 0.54             | 0.54             | 0.54             | 0.57             | 0.57             | 0.57             | 0.57             | 0.57             | 0.60             | 0.60             | 0.60             | 0.60             | 0.60             |
|                | 23°F<br>5°C        | TC    | 8661            | 8673             | 8682             | 8682             | 8694             | 9183             | 9194             | 9203             | 9205             | 9216             | 9731             | 9744             | 9755             | 9757             | 9768             | 10318            | 10329            | 10340            | 10342            | 10355            |
|                |                    | S/T   | 0.37            | 0.44             | 0.50             | 0.50             | 0.57             | 0.39             | 0.46             | 0.53             | 0.53             | 0.60             | 0.42             | 0.49             | 0.56             | 0.56             | 0.64             | 0.44             | 0.52             | 0.59             | 0.59             | 0.67             |
|                |                    | PI    | 0.51            | 0.51             | 0.51             | 0.51             | 0.51             | 0.54             | 0.54             | 0.54             | 0.54             | 0.54             | 0.57             | 0.58             | 0.58             | 0.58             | 0.58             | 0.61             | 0.61             | 0.61             | 0.61             | 0.61             |
|                | 35°F<br>1.7°C      | TC    | 9241            | 9254             | 9264             | 9264             | 9277             | 9798             | 9810             | 9820             | 9822             | 9833             | 10384            | 10397            | 10409            | 10411            | 10422            | 11009            | 11021            | 11033            | 11035            | 11049            |
|                |                    | S/T   | 0.37            | 0.44             | 0.50             | 0.50             | 0.57             | 0.40             | 0.47             | 0.53             | 0.53             | 0.60             | 0.42             | 0.49             | 0.56             | 0.56             | 0.64             | 0.45             | 0.52             | 0.59             | 0.59             | 0.68             |
|                |                    | PI    | 0.53            | 0.53             | 0.53             | 0.53             | 0.53             | 0.56             | 0.56             | 0.56             | 0.56             | 0.56             | 0.59             | 0.59             | 0.59             | 0.59             | 0.59             | 0.63             | 0.63             | 0.63             | 0.63             | 0.63             |
|                | 41°F<br>5°C        | TC    | 8396            | 8407             | 8416             | 8417             | 8428             | 8902             | 8912             | 8921             | 8923             | 8934             | 9434             | 9446             | 9456             | 9458             | 9469             | 10002            | 10013            | 10024            | 10025            | 10038            |
|                |                    | S/T   | 0.37            | 0.44             | 0.50             | 0.50             | 0.57             | 0.40             | 0.47             | 0.53             | 0.53             | 0.60             | 0.42             | 0.49             | 0.56             | 0.56             | 0.64             | 0.45             | 0.52             | 0.60             | 0.60             | 0.68             |
|                |                    | PI    | 0.41            | 0.41             | 0.41             | 0.41             | 0.41             | 0.44             | 0.44             | 0.44             | 0.44             | 0.44             | 0.46             | 0.46             | 0.46             | 0.46             | 0.46             | 0.49             | 0.49             | 0.49             | 0.49             | 0.49             |
|                | 47°F<br>8.3°C      | TC    | 7550            | 7560             | 7569             | 7569             | 7579             | 8005             | 8015             | 8023             | 8024             | 8034             | 8484             | 8495             | 8504             | 8506             | 8515             | 8995             | 9005             | 9014             | 9016             | 9027             |
|                |                    | S/T   | 0.38            | 0.44             | 0.50             | 0.50             | 0.57             | 0.40             | 0.47             | 0.53             | 0.53             | 0.61             | 0.42             | 0.50             | 0.56             | 0.56             | 0.64             | 0.45             | 0.53             | 0.60             | 0.60             | 0.68             |
|                |                    | PI    | 0.30            | 0.30             | 0.30             | 0.30             | 0.30             | 0.31             | 0.31             | 0.31             | 0.31             | 0.31             | 0.33             | 0.33             | 0.33             | 0.33             | 0.33             | 0.35             | 0.35             | 0.35             | 0.35             | 0.35             |
|                | 50°F<br>10°C       | TC    | 7693            | 7703             | 7711             | 7712             | 7722             | 8156             | 8166             | 8174             | 8175             | 8185             | 8643             | 8655             | 8664             | 8666             | 8676             | 9164             | 9174             | 9184             | 9186             | 9197             |
|                |                    | S/T   | 0.38            | 0.44             | 0.50             | 0.50             | 0.57             | 0.40             | 0.47             | 0.53             | 0.53             | 0.61             | 0.42             | 0.50             | 0.57             | 0.57             | 0.65             | 0.45             | 0.53             | 0.60             | 0.60             | 0.68             |
|                |                    | PI    | 0.30            | 0.30             | 0.30             | 0.30             | 0.30             | 0.32             | 0.32             | 0.32             | 0.32             | 0.32             | 0.34             | 0.34             | 0.34             | 0.34             | 0.34             | 0.36             | 0.36             | 0.36             | 0.36             | 0.36             |
|                | 59°F<br>15°C       | TC    | 8119            | 8130             | 8139             | 8139             | 8150             | 8608             | 8619             | 8627             | 8629             | 8639             | 9123             | 9135             | 9145             | 9146             | 9157             | 9672             | 9683             | 9693             | 9695             | 9707             |
|                |                    | S/T   | 0.38            | 0.45             | 0.51             | 0.51             | 0.58             | 0.40             | 0.47             | 0.54             | 0.54             | 0.61             | 0.43             | 0.50             | 0.57             | 0.57             | 0.65             | 0.45             | 0.53             | 0.60             | 0.60             | 0.69             |
|                |                    | PI    | 0.33            | 0.33             | 0.33             | 0.33             | 0.33             | 0.35             | 0.35             | 0.35             | 0.35             | 0.35             | 0.37             | 0.37             | 0.37             | 0.37             | 0.37             | 0.39             | 0.39             | 0.39             | 0.39             | 0.39             |
|                | 68°F<br>20°C       | TC    | 8546            | 8557             | 8566             | 8567             | 8578             | 9061             | 9071             | 9080             | 9082             | 9093             | 9602             | 9615             | 9625             | 9627             | 9638             | 10181            | 10192            | 10203            | 10204            | 10217            |
|                |                    | S/T   | 0.39            | 0.46             | 0.52             | 0.52             | 0.59             | 0.41             | 0.48             | 0.55             | 0.55             | 0.63             | 0.44             | 0.51             | 0.58             | 0.58             | 0.67             | 0.46             | 0.54             | 0.62             | 0.62             | 0.71             |
|                |                    | PI    | 0.35            | 0.35             | 0.35             | 0.35             | 0.35             | 0.37             | 0.37             | 0.37             | 0.37             | 0.37             | 0.40             | 0.40             | 0.40             | 0.40             | 0.40             | 0.42             | 0.42             | 0.42             | 0.42             | 0.42             |
|                | 77°F<br>25°C       | TC    | 8972            | 8984             | 8994             | 8994             | 9007             | 9513             | 9524             | 9534             | 9536             | 9547             | 10081            | 10095            | 10106            | 10108            | 10119            | 10689            | 10700            | 10712            | 10714            | 10727            |
|                |                    | S/T   | 0.39            | 0.46             | 0.53             | 0.53             | 0.60             | 0.42             | 0.49             | 0.56             | 0.56             | 0.64             | 0.44             | 0.52             | 0.59             | 0.59             | 0.67             | 0.47             | 0.55             | 0.63             | 0.63             | 0.71             |
|                |                    | PI    | 0.38            | 0.38             | 0.38             | 0.38             | 0.38             | 0.40             | 0.40             | 0.40             | 0.40             | 0.40             | 0.42             | 0.42             | 0.42             | 0.42             | 0.42             | 0.45             | 0.45             | 0.45             | 0.45             | 0.45             |
|                | 82°F<br>27.8°C     | TC    | 9031            | 9043             | 9053             | 9053             | 9066             | 9575             | 9587             | 9596             | 9598             | 9610             | 10147            | 10161            | 10172            | 10174            | 10185            | 10759            | 10771            | 10782            | 10784            | 10797            |
|                |                    | S/T   | 0.40            | 0.47             | 0.53             | 0.53             | 0.61             | 0.42             | 0.50             | 0.57             | 0.57             | 0.64             | 0.45             | 0.53             | 0.60             | 0.60             | 0.68             | 0.48             | 0.56             | 0.64             | 0.64             | 0.72             |
|                |                    | PI    | 0.42            | 0.42             | 0.42             | 0.42             | 0.42             | 0.44             | 0.44             | 0.44             | 0.44             | 0.44             | 0.47             | 0.47             | 0.47             | 0.47             | 0.47             | 0.50             | 0.50             | 0.50             | 0.50             | 0.50             |
|                | 86°F<br>30°C       | TC    | 8853            | 8865             | 8875             | 8875             | 8887             | 9387             | 9398             | 9407             | 9409             | 9420             | 9948             | 9961             | 9972             | 9974             | 9985             | 10547            | 10559            | 10570            | 10572            | 10585            |
|                |                    | S/T   | 0.41            | 0.48             | 0.54             | 0.54             | 0.62             | 0.43             | 0.50             | 0.57             | 0.57             | 0.65             | 0.46             | 0.53             | 0.61             | 0.61             | 0.69             | 0.48             | 0.57             | 0.64             | 0.64             | 0.73             |
|                |                    | PI    | 0.49            | 0.49             | 0.49             | 0.49             | 0.49             | 0.52             | 0.52             | 0.52             | 0.52             | 0.52             | 0.55             | 0.55             | 0.55             | 0.55             | 0.55             | 0.58             | 0.58             | 0.58             | 0.58             | 0.58             |
|                | 95°F<br>35°C       | TC    | 8453            | 8465             | 8474             | 8474             | 8486             | 8963             | 8973             | 8982             | 8984             | 8995             | 9498             | 9511             | 9521             | 9523             | 9534             | 10071            | 10081            | 10092            | 10094            | 10107            |
|                |                    | S/T   | 0.41            | 0.48             | 0.54             | 0.54             | 0.62             | 0.43             | 0.50             | 0.57             | 0.57</           |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |

Table 15 – High Wall Cooling Performance (12K) (Continued)

| Airflow<br>CFM | Out-<br>door<br>DB | ID WB | 60.8°F (16.0°C)  |                  |                  |                  |                  | 64.4°F (16.0°C)  |                  |                  |                  |                  | 67.0°F (19.4°C)  |                  |                  |                  |                  | 71.6°F (22.0°C)  |                  |                  |                  |                  |
|----------------|--------------------|-------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
|                |                    | ID DB | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C |
| 376            | -22°F<br>30°C      | TC    | 7332             | 7342             | 7350             | 7350             | 7360             | 7774             | 7783             | 7791             | 7793             | 7802             | 8239             | 8249             | 8259             | 8260             | 8269             | 8735             | 8745             | 8754             | 8755             | 8766             |
|                |                    | S/T   | 0.41             | 0.49             | 0.55             | 0.55             | 0.63             | 0.44             | 0.52             | 0.59             | 0.59             | 0.67             | 0.47             | 0.55             | 0.62             | 0.62             | 0.71             | 0.49             | 0.58             | 0.66             | 0.66             | 0.75             |
|                |                    | PI    | 0.44             | 0.44             | 0.44             | 0.44             | 0.44             | 0.47             | 0.47             | 0.47             | 0.47             | 0.47             | 0.49             | 0.50             | 0.50             | 0.50             | 0.50             | 0.52             | 0.53             | 0.53             | 0.53             | 0.53             |
|                | -13°F<br>25°C      | TC    | 7943             | 7954             | 7963             | 7963             | 7974             | 8422             | 8432             | 8440             | 8442             | 8452             | 8925             | 8937             | 8947             | 8948             | 8958             | 9463             | 9473             | 9484             | 9485             | 9497             |
|                |                    | S/T   | 0.42             | 0.49             | 0.56             | 0.56             | 0.63             | 0.44             | 0.52             | 0.59             | 0.59             | 0.67             | 0.47             | 0.55             | 0.63             | 0.63             | 0.71             | 0.50             | 0.58             | 0.66             | 0.66             | 0.76             |
|                |                    | PI    | 0.48             | 0.48             | 0.48             | 0.48             | 0.48             | 0.51             | 0.51             | 0.51             | 0.51             | 0.51             | 0.54             | 0.54             | 0.54             | 0.54             | 0.54             | 0.57             | 0.57             | 0.57             | 0.57             | 0.57             |
|                | -4°F<br>20°C       | TC    | 8554             | 8566             | 8575             | 8576             | 8587             | 9070             | 9081             | 9090             | 9091             | 9102             | 9612             | 9624             | 9635             | 9637             | 9648             | 10191            | 10202            | 10213            | 10215            | 10227            |
|                |                    | S/T   | 0.42             | 0.49             | 0.56             | 0.56             | 0.64             | 0.44             | 0.52             | 0.59             | 0.59             | 0.68             | 0.47             | 0.55             | 0.63             | 0.63             | 0.72             | 0.50             | 0.59             | 0.67             | 0.67             | 0.76             |
|                |                    | PI    | 0.51             | 0.51             | 0.52             | 0.52             | 0.52             | 0.54             | 0.55             | 0.55             | 0.55             | 0.55             | 0.58             | 0.58             | 0.58             | 0.58             | 0.58             | 0.61             | 0.61             | 0.61             | 0.61             | 0.61             |
|                | 0°F<br>17.8°C      | TC    | 8826             | 8838             | 8847             | 8848             | 8860             | 9358             | 9369             | 9378             | 9380             | 9391             | 9917             | 9930             | 9941             | 9943             | 9954             | 10514            | 10526            | 10537            | 10539            | 10552            |
|                |                    | S/T   | 0.42             | 0.49             | 0.56             | 0.56             | 0.64             | 0.45             | 0.52             | 0.59             | 0.60             | 0.68             | 0.47             | 0.55             | 0.63             | 0.63             | 0.72             | 0.50             | 0.59             | 0.67             | 0.67             | 0.76             |
|                |                    | PI    | 0.53             | 0.53             | 0.53             | 0.53             | 0.53             | 0.56             | 0.56             | 0.56             | 0.56             | 0.56             | 0.60             | 0.60             | 0.60             | 0.60             | 0.60             | 0.63             | 0.63             | 0.63             | 0.63             | 0.63             |
|                | 5°F<br>15°C        | TC    | 9165             | 9178             | 9188             | 9188             | 9200             | 9718             | 9729             | 9739             | 9741             | 9752             | 10298            | 10312            | 10323            | 10325            | 10337            | 10919            | 10931            | 10943            | 10944            | 10958            |
|                |                    | S/T   | 0.42             | 0.50             | 0.56             | 0.56             | 0.64             | 0.45             | 0.53             | 0.60             | 0.60             | 0.68             | 0.48             | 0.56             | 0.63             | 0.63             | 0.72             | 0.50             | 0.59             | 0.67             | 0.67             | 0.77             |
|                |                    | PI    | 5562             | 5569             | 5575             | 5575             | 5583             | 5897             | 5904             | 5910             | 5911             | 5918             | 6249             | 6257             | 6264             | 6265             | 6272             | 6626             | 6633             | 6640             | 6641             | 6649             |
|                | 14°F<br>10°C       | TC    | 0.31             | 0.37             | 0.42             | 0.42             | 0.48             | 0.33             | 0.39             | 0.44             | 0.44             | 0.51             | 0.35             | 0.41             | 0.47             | 0.47             | 0.54             | 0.37             | 0.44             | 0.50             | 0.50             | 0.57             |
|                |                    | S/T   | 0.33             | 0.33             | 0.33             | 0.33             | 0.34             | 0.35             | 0.35             | 0.35             | 0.36             | 0.36             | 0.38             | 0.38             | 0.38             | 0.38             | 0.38             | 0.40             | 0.40             | 0.40             | 0.40             | 0.40             |
|                |                    | PI    | 6025             | 6033             | 6040             | 6040             | 6048             | 6388             | 6396             | 6402             | 6403             | 6411             | 6770             | 6779             | 6786             | 6787             | 6795             | 7178             | 7185             | 7193             | 7194             | 7203             |
|                | 17°F<br>10°C       | TC    | 0.32             | 0.37             | 0.42             | 0.42             | 0.48             | 0.34             | 0.39             | 0.45             | 0.45             | 0.51             | 0.36             | 0.42             | 0.47             | 0.47             | 0.54             | 0.38             | 0.44             | 0.50             | 0.50             | 0.57             |
|                |                    | S/T   | 0.36             | 0.36             | 0.36             | 0.36             | 0.36             | 0.38             | 0.38             | 0.38             | 0.38             | 0.39             | 0.41             | 0.41             | 0.41             | 0.41             | 0.41             | 0.43             | 0.43             | 0.43             | 0.43             | 0.43             |
|                |                    | PI    | 6488             | 6497             | 6504             | 6504             | 6513             | 6879             | 6888             | 6894             | 6896             | 6904             | 7290             | 7300             | 7308             | 7309             | 7318             | 7730             | 7738             | 7747             | 7748             | 7757             |
|                | 23°F<br>5°C        | TC    | 0.32             | 0.37             | 0.42             | 0.42             | 0.48             | 0.34             | 0.40             | 0.45             | 0.45             | 0.51             | 0.36             | 0.42             | 0.48             | 0.48             | 0.54             | 0.38             | 0.44             | 0.51             | 0.51             | 0.58             |
|                |                    | S/T   | 0.39             | 0.39             | 0.39             | 0.39             | 0.39             | 0.41             | 0.41             | 0.41             | 0.41             | 0.41             | 0.44             | 0.44             | 0.44             | 0.44             | 0.44             | 0.46             | 0.46             | 0.47             | 0.47             | 0.47             |
|                |                    | PI    | 6694             | 6703             | 6711             | 6711             | 6720             | 7098             | 7106             | 7113             | 7115             | 7123             | 7522             | 7532             | 7540             | 7542             | 7550             | 7975             | 7984             | 7993             | 7994             | 8004             |
|                | 35°F<br>1.7°C      | TC    | 0.32             | 0.37             | 0.43             | 0.43             | 0.49             | 0.34             | 0.40             | 0.45             | 0.45             | 0.51             | 0.36             | 0.42             | 0.48             | 0.48             | 0.55             | 0.38             | 0.45             | 0.51             | 0.51             | 0.58             |
|                |                    | S/T   | 0.40             | 0.40             | 0.40             | 0.40             | 0.40             | 0.43             | 0.43             | 0.43             | 0.43             | 0.43             | 0.45             | 0.45             | 0.45             | 0.45             | 0.45             | 0.48             | 0.48             | 0.48             | 0.48             | 0.48             |
|                |                    | PI    | 6952             | 6961             | 6969             | 6969             | 6978             | 7371             | 7380             | 7387             | 7388             | 7397             | 7811             | 7821             | 7830             | 7832             | 7840             | 8282             | 8291             | 8300             | 8301             | 8312             |
|                | 41°F<br>5°C        | TC    | 0.32             | 0.38             | 0.43             | 0.43             | 0.49             | 0.34             | 0.40             | 0.45             | 0.45             | 0.52             | 0.36             | 0.42             | 0.48             | 0.48             | 0.55             | 0.38             | 0.45             | 0.51             | 0.51             | 0.58             |
|                |                    | S/T   | 0.42             | 0.42             | 0.42             | 0.42             | 0.42             | 0.44             | 0.44             | 0.44             | 0.44             | 0.44             | 0.47             | 0.47             | 0.47             | 0.47             | 0.47             | 0.50             | 0.50             | 0.50             | 0.50             | 0.50             |
|                |                    | PI    | 7206             | 7215             | 7223             | 7223             | 7233             | 7640             | 7649             | 7656             | 7658             | 7667             | 8096             | 8107             | 8116             | 8117             | 8126             | 8584             | 8593             | 8603             | 8604             | 8615             |
|                | 47°F<br>8.3°C      | TC    | 0.32             | 0.38             | 0.43             | 0.43             | 0.49             | 0.34             | 0.40             | 0.45             | 0.45             | 0.52             | 0.36             | 0.42             | 0.48             | 0.48             | 0.55             | 0.38             | 0.45             | 0.51             | 0.51             | 0.58             |
|                |                    | S/T   | 0.43             | 0.43             | 0.43             | 0.43             | 0.44             | 0.46             | 0.46             | 0.46             | 0.46             | 0.46             | 0.49             | 0.49             | 0.49             | 0.49             | 0.49             | 0.52             | 0.52             | 0.52             | 0.52             | 0.52             |
|                |                    | PI    | 7290             | 7300             | 7308             | 7308             | 7318             | 7729             | 7739             | 7746             | 7748             | 7757             | 8191             | 8202             | 8211             | 8213             | 8222             | 8685             | 8694             | 8704             | 8705             | 8716             |
|                | 50°F<br>10°C       | TC    | 0.32             | 0.38             | 0.43             | 0.43             | 0.49             | 0.34             | 0.40             | 0.46             | 0.46             | 0.52             | 0.36             | 0.43             | 0.48             | 0.48             | 0.55             | 0.38             | 0.45             | 0.51             | 0.51             | 0.58             |
|                |                    | S/T   | 0.44             | 0.44             | 0.44             | 0.44             | 0.44             | 0.47             | 0.47             | 0.47             | 0.47             | 0.47             | 0.49             | 0.49             | 0.49             | 0.49             | 0.49             | 0.52             | 0.52             | 0.52             | 0.52             | 0.52             |
|                |                    | PI    | 7543             | 7553             | 7561             | 7562             | 7572             | 7997             | 8007             | 8015             | 8016             | 8026             | 8475             | 8486             | 8496             | 8497             | 8507             | 8986             | 8996             | 9006             | 9007             | 9018             |
|                | 59°F<br>15°C       | TC    | 0.32             | 0.38             | 0.43             | 0.43             | 0.49             | 0.34             | 0.40             | 0.46             | 0.46             | 0.52             | 0.36             | 0.43             | 0.49             | 0.49             | 0.55             | 0.39             | 0.45             | 0.51             | 0.51             | 0.59             |
|                |                    | S/T   | 0.45             | 0.45             | 0.45             | 0.45             | 0.45             | 0.47             | 0.47             | 0.47             | 0.47             | 0.47             | 0.50             | 0.50             | 0.50             | 0.50             | 0.50             | 0.53             | 0.53             | 0.53             | 0.53             | 0.53             |
|                |                    | PI    | 8049             | 8059             | 8068             | 8068             | 8079             | 8534             | 8544             | 8552             | 8554             | 8564             | 9043             | 9055             | 9065             | 9067             | 9077             | 9588             | 9599             | 9609             | 9611             | 9623             |
|                | 68°F<br>20°C       | TC    | 0.33             | 0.38             | 0.43             | 0.43             | 0.50             | 0.35             | 0.41             | 0.46             | 0.46             | 0.52             | 0.37             | 0.43             | 0.49             | 0.49             | 0.56             | 0.39             | 0.46             | 0.52             | 0.52             | 0.59             |
|                |                    | S/T   | 0.46             | 0.46             | 0.46             | 0.46             | 0.46             | 0.49             | 0.49             | 0.49             | 0.49             | 0.49             | 0.51             | 0.52             | 0.52             | 0.52             | 0.52             | 0.55             | 0.55             | 0.55             | 0.55             | 0.55             |
|                |                    | PI    | 7312             | 7322             | 7330             | 7330             | 7340             | 7753             | 7762             | 7770             | 7771             | 7780             | 8216             | 8227             | 8236             | 8237             | 8247             | 8711             | 8720             | 8730             | 8731             | 8742             |
|                | 77°F<br>25°C       | TC    | 0.33             | 0.38             | 0.44             | 0.44             | 0.50             | 0.35             | 0.41             | 0.46             | 0.46             | 0.53             | 0.37             | 0.43             | 0.49             | 0.49             | 0.56             | 0.39             | 0.46             | 0.52             | 0.52             | 0.59             |
|                |                    | S/T   | 0.36             | 0.36             | 0.36             | 0.36             | 0.36             | 0.38             | 0.38             | 0.38             | 0.38             | 0.38             | 0.40             | 0.40             | 0.40             | 0.40             | 0.40             | 0.43             | 0.43             | 0.43             | 0.43             | 0.43             |
|                |                    | PI    | 6576             | 6585             | 6592             | 6592             | 6601             | 6972             | 6980             | 6987             | 6989             | 6997             | 7389             | 7398             | 7406             | 7408             | 7416             | 7834             | 7842             | 7851             | 7852             | 7862             |
|                | 82°F<br>27.8°C     | TC    | 0.33             | 0.38             | 0.44             | 0.44             | 0.50             | 0.35             | 0.41             | 0.46             | 0.46             | 0.53             | 0.37             | 0.43             | 0.49             | 0.49             | 0.56             | 0.39             | 0.46             | 0.52             | 0.52             | 0.59             |
|                |                    | S/T   | 0.26             | 0.26             | 0.26             | 0.26             | 0.26             | 0.27             | 0.27             | 0.27             | 0.27             | 0.27             | 0.29             | 0.29             | 0.29             | 0.29             | 0.29             | 0.31             | 0.31             | 0.31             | 0.31             | 0.31             |
|                |                    | PI    | 6700             | 6709             | 6716             | 6716             | 6725             | 7103             | 7112             | 7119             | 7120             | 7129             | 7528             | 7537             | 7546             | 7547             | 7556             | 7981             | 7990             | 7999             | 8000             | 8010             |
|                | 86°F<br>30°C       | TC    | 0.33             | 0.39             | 0.44             | 0.44             | 0.50             | 0.35             | 0.41             | 0.47             | 0.47             | 0.53             | 0.37             | 0.43             | 0.49             | 0.49             | 0.56             | 0.39             | 0.46             | 0.52             | 0.52             | 0.60             |
|                |                    | S/T   | 0.26             | 0.26             | 0.27             | 0.27             | 0.27             | 0.28             | 0.28             | 0.28             | 0.28             | 0.28             | 0.30             | 0.30             | 0.30             | 0.30             | 0.30             | 0.32             | 0.32             | 0.32             | 0.32             | 0.32             |
|                |                    | PI    | 7071             | 7081             | 7088             | 7089             | 7098             | 7497             | 7506             | 7514             | 7515             | 7524             | 7945             | 7955             | 7964             | 7966             | 7975             | 8424             | 8433             | 8442             | 8444             | 8454             |
|                | 95°F<br>35°C       | TC    | 0.33             | 0.39             | 0.44             | 0.44             | 0.50             | 0.35             | 0.41             | 0.47             | 0.47             | 0.53             | 0.37             | 0.44             | 0.50             | 0.50             | 0.56             | 0.39             | 0.46             | 0.53             | 0.53             | 0.60             |
|                |                    | S/T   | 0.29             | 0.29             | 0.29             | 0.29             | 0.29             | 0.30             | 0.30             | 0.30             | 0.30             | 0.30             | 0.32             | 0.32             | 0.32             |                  |                  |                  |                  |                  |                  |                  |

Table 15 – High Wall Cooling Performance (12K) (Continued)

| Airflow<br>CFM | Out-<br>door<br>DB | ID WB | 60.8°F (16.0°C)  |                  |                  |                  |                  | 64.4°F (16.0°C)  |                  |                  |                  |                  | 67.0°F (19.4°C)  |                  |                  |                  |                  | 71.6°F (22.0°C)  |                  |                  |                  |                  |
|----------------|--------------------|-------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
|                |                    | ID DB | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C |
| 441            | -22°F<br>30°C      | TC    | 0.35             | 0.41             | 0.47             | 0.47             | 0.54             | 0.37             | 0.44             | 0.50             | 0.50             | 0.57             | 0.40             | 0.47             | 0.53             | 0.53             | 0.60             | 0.42             | 0.49             | 0.56             | 0.56             | 0.64             |
|                |                    | S/T   | 0.56             | 0.56             | 0.56             | 0.56             | 0.56             | 0.59             | 0.59             | 0.59             | 0.59             | 0.59             | 0.63             | 0.63             | 0.63             | 0.63             | 0.63             | 0.67             | 0.67             | 0.67             | 0.67             | 0.67             |
|                |                    | PI    | 6689             | 6698             | 6705             | 6706             | 6715             | 7092             | 7101             | 7108             | 7109             | 7118             | 7516             | 7526             | 7534             | 7536             | 7544             | 7969             | 7978             | 7986             | 7988             | 7998             |
|                | -13°F<br>25°C      | TC    | 0.36             | 0.42             | 0.48             | 0.48             | 0.55             | 0.38             | 0.45             | 0.51             | 0.51             | 0.58             | 0.41             | 0.48             | 0.54             | 0.54             | 0.62             | 0.43             | 0.51             | 0.57             | 0.57             | 0.65             |
|                |                    | S/T   | 0.58             | 0.58             | 0.58             | 0.58             | 0.59             | 0.62             | 0.62             | 0.62             | 0.62             | 0.62             | 0.66             | 0.66             | 0.66             | 0.66             | 0.66             | 0.70             | 0.70             | 0.70             | 0.70             | 0.70             |
|                |                    | PI    | 6286             | 6294             | 6301             | 6301             | 6310             | 6664             | 6672             | 6679             | 6680             | 6688             | 7063             | 7072             | 7080             | 7081             | 7089             | 7488             | 7496             | 7504             | 7505             | 7515             |
|                | -4°F<br>20°C       | TC    | 0.37             | 0.44             | 0.50             | 0.50             | 0.57             | 0.40             | 0.47             | 0.53             | 0.53             | 0.60             | 0.42             | 0.49             | 0.56             | 0.56             | 0.64             | 0.45             | 0.52             | 0.60             | 0.60             | 0.68             |
|                |                    | S/T   | 0.60             | 0.60             | 0.60             | 0.60             | 0.60             | 0.63             | 0.64             | 0.64             | 0.64             | 0.64             | 0.67             | 0.67             | 0.67             | 0.67             | 0.67             | 0.71             | 0.71             | 0.71             | 0.71             | 0.72             |
|                |                    | PI    | 5495             | 5502             | 5508             | 5508             | 5516             | 5826             | 5833             | 5839             | 5840             | 5847             | 6174             | 6182             | 6189             | 6190             | 6197             | 6546             | 6553             | 6560             | 6561             | 6569             |
|                | 0°F<br>17.8°C      | TC    | 0.38             | 0.44             | 0.51             | 0.51             | 0.58             | 0.40             | 0.47             | 0.54             | 0.54             | 0.61             | 0.43             | 0.50             | 0.57             | 0.57             | 0.65             | 0.45             | 0.53             | 0.60             | 0.60             | 0.69             |
|                |                    | S/T   | 0.56             | 0.56             | 0.56             | 0.56             | 0.56             | 0.60             | 0.60             | 0.60             | 0.60             | 0.60             | 0.63             | 0.63             | 0.63             | 0.63             | 0.63             | 0.67             | 0.67             | 0.67             | 0.67             | 0.67             |
|                |                    | PI    | 4441             | 4446             | 4451             | 4451             | 4457             | 4708             | 4714             | 4718             | 4719             | 4725             | 4989             | 4996             | 5001             | 5002             | 5008             | 5290             | 5296             | 5302             | 5302             | 5309             |
|                | 5°F<br>15°C        | TC    | 0.39             | 0.46             | 0.52             | 0.52             | 0.59             | 0.41             | 0.48             | 0.55             | 0.55             | 0.63             | 0.44             | 0.51             | 0.58             | 0.58             | 0.66             | 0.46             | 0.54             | 0.62             | 0.62             | 0.70             |
|                |                    | S/T   | 0.51             | 0.52             | 0.52             | 0.52             | 0.52             | 0.55             | 0.55             | 0.55             | 0.55             | 0.55             | 0.58             | 0.58             | 0.58             | 0.58             | 0.58             | 0.61             | 0.61             | 0.61             | 0.61             | 0.62             |
|                |                    | PI    | 6386             | 6394             | 6401             | 6402             | 6410             | 6771             | 6779             | 6785             | 6787             | 6795             | 7175             | 7185             | 7193             | 7194             | 7202             | 7608             | 7616             | 7624             | 7625             | 7635             |
|                | 14°F<br>10°C       | TC    | 0.36             | 0.42             | 0.48             | 0.48             | 0.55             | 0.38             | 0.45             | 0.51             | 0.51             | 0.58             | 0.41             | 0.48             | 0.54             | 0.54             | 0.62             | 0.43             | 0.50             | 0.57             | 0.57             | 0.65             |
|                |                    | S/T   | 0.38             | 0.38             | 0.38             | 0.38             | 0.39             | 0.41             | 0.41             | 0.41             | 0.41             | 0.41             | 0.43             | 0.43             | 0.43             | 0.43             | 0.43             | 0.46             | 0.46             | 0.46             | 0.46             | 0.46             |
|                |                    | PI    | 6918             | 6927             | 6935             | 6935             | 6944             | 7335             | 7344             | 7351             | 7352             | 7361             | 7773             | 7783             | 7792             | 7793             | 7802             | 8241             | 8250             | 8259             | 8261             | 8271             |
|                | 17°F<br>10°C       | TC    | 0.36             | 0.43             | 0.48             | 0.48             | 0.55             | 0.39             | 0.45             | 0.51             | 0.51             | 0.59             | 0.41             | 0.48             | 0.54             | 0.54             | 0.62             | 0.43             | 0.51             | 0.58             | 0.58             | 0.66             |
|                |                    | S/T   | 0.42             | 0.42             | 0.42             | 0.42             | 0.42             | 0.44             | 0.44             | 0.44             | 0.44             | 0.44             | 0.47             | 0.47             | 0.47             | 0.47             | 0.47             | 0.50             | 0.50             | 0.50             | 0.50             | 0.50             |
|                |                    | PI    | 7450             | 7460             | 7468             | 7469             | 7479             | 7899             | 7908             | 7916             | 7918             | 7927             | 8371             | 8382             | 8391             | 8393             | 8402             | 8875             | 8885             | 8895             | 8896             | 8907             |
|                | 23°F<br>5°C        | TC    | 0.37             | 0.43             | 0.49             | 0.49             | 0.56             | 0.39             | 0.45             | 0.52             | 0.52             | 0.59             | 0.41             | 0.48             | 0.55             | 0.55             | 0.62             | 0.44             | 0.51             | 0.58             | 0.58             | 0.66             |
|                |                    | S/T   | 0.45             | 0.45             | 0.45             | 0.45             | 0.45             | 0.47             | 0.48             | 0.48             | 0.48             | 0.48             | 0.50             | 0.50             | 0.50             | 0.50             | 0.50             | 0.53             | 0.53             | 0.53             | 0.53             | 0.54             |
|                |                    | PI    | 7687             | 7697             | 7705             | 7706             | 7716             | 8150             | 8160             | 8168             | 8169             | 8179             | 8637             | 8648             | 8658             | 8659             | 8669             | 9157             | 9167             | 9177             | 9179             | 9190             |
|                | 35°F<br>1.7°C      | TC    | 0.37             | 0.43             | 0.49             | 0.49             | 0.56             | 0.39             | 0.46             | 0.52             | 0.52             | 0.59             | 0.41             | 0.48             | 0.55             | 0.55             | 0.63             | 0.44             | 0.51             | 0.58             | 0.58             | 0.66             |
|                |                    | S/T   | 0.46             | 0.46             | 0.46             | 0.46             | 0.46             | 0.49             | 0.49             | 0.49             | 0.49             | 0.49             | 0.52             | 0.52             | 0.52             | 0.52             | 0.52             | 0.55             | 0.55             | 0.55             | 0.55             | 0.55             |
|                |                    | PI    | 7982             | 7993             | 8002             | 8002             | 8013             | 8463             | 8473             | 8482             | 8483             | 8494             | 8969             | 8981             | 8991             | 8992             | 9002             | 9509             | 9520             | 9530             | 9532             | 9543             |
|                | 41°F<br>5°C        | TC    | 0.37             | 0.43             | 0.49             | 0.49             | 0.56             | 0.39             | 0.46             | 0.52             | 0.52             | 0.59             | 0.41             | 0.49             | 0.55             | 0.55             | 0.63             | 0.44             | 0.51             | 0.59             | 0.59             | 0.67             |
|                |                    | S/T   | 0.48             | 0.48             | 0.48             | 0.48             | 0.48             | 0.51             | 0.51             | 0.51             | 0.51             | 0.51             | 0.54             | 0.54             | 0.54             | 0.54             | 0.54             | 0.57             | 0.57             | 0.57             | 0.57             | 0.57             |
|                |                    | PI    | 8274             | 8285             | 8294             | 8294             | 8305             | 8772             | 8783             | 8791             | 8793             | 8803             | 9296             | 9308             | 9319             | 9320             | 9331             | 9856             | 9867             | 9878             | 9879             | 9892             |
|                | 47°F<br>8.3°C      | TC    | 0.37             | 0.43             | 0.49             | 0.49             | 0.56             | 0.39             | 0.46             | 0.52             | 0.52             | 0.59             | 0.41             | 0.49             | 0.55             | 0.55             | 0.63             | 0.44             | 0.52             | 0.59             | 0.59             | 0.67             |
|                |                    | S/T   | 0.50             | 0.50             | 0.50             | 0.50             | 0.50             | 0.53             | 0.53             | 0.53             | 0.53             | 0.53             | 0.56             | 0.56             | 0.56             | 0.56             | 0.56             | 0.59             | 0.59             | 0.59             | 0.59             | 0.59             |
|                |                    | PI    | 8371             | 8382             | 8391             | 8391             | 8403             | 8875             | 8886             | 8894             | 8896             | 8907             | 9405             | 9418             | 9428             | 9430             | 9440             | 9972             | 9983             | 9994             | 9995             | 10008            |
|                | 50°F<br>10°C       | TC    | 0.37             | 0.43             | 0.49             | 0.49             | 0.56             | 0.39             | 0.46             | 0.52             | 0.52             | 0.60             | 0.42             | 0.49             | 0.55             | 0.55             | 0.63             | 0.44             | 0.52             | 0.59             | 0.59             | 0.67             |
|                |                    | S/T   | 0.50             | 0.50             | 0.50             | 0.50             | 0.51             | 0.53             | 0.53             | 0.54             | 0.54             | 0.54             | 0.57             | 0.57             | 0.57             | 0.57             | 0.57             | 0.60             | 0.60             | 0.60             | 0.60             | 0.60             |
|                |                    | PI    | 8661             | 8673             | 8682             | 8682             | 8694             | 9183             | 9194             | 9203             | 9205             | 9216             | 9731             | 9744             | 9755             | 9757             | 9768             | 10318            | 10329            | 10340            | 10342            | 10355            |
|                | 59°F<br>15°C       | TC    | 0.37             | 0.44             | 0.50             | 0.50             | 0.57             | 0.39             | 0.46             | 0.53             | 0.53             | 0.60             | 0.42             | 0.49             | 0.56             | 0.56             | 0.64             | 0.44             | 0.52             | 0.59             | 0.59             | 0.67             |
|                |                    | S/T   | 0.51             | 0.51             | 0.51             | 0.51             | 0.51             | 0.54             | 0.54             | 0.54             | 0.54             | 0.54             | 0.57             | 0.58             | 0.58             | 0.58             | 0.58             | 0.61             | 0.61             | 0.61             | 0.61             | 0.61             |
|                |                    | PI    | 9241             | 9254             | 9264             | 9264             | 9277             | 9798             | 9810             | 9820             | 9822             | 9833             | 10384            | 10397            | 10409            | 10411            | 10422            | 11009            | 11021            | 11033            | 11035            | 11049            |
|                | 68°F<br>20°C       | TC    | 0.37             | 0.44             | 0.50             | 0.50             | 0.57             | 0.40             | 0.47             | 0.53             | 0.53             | 0.60             | 0.42             | 0.49             | 0.56             | 0.56             | 0.64             | 0.45             | 0.52             | 0.59             | 0.59             | 0.68             |
|                |                    | S/T   | 0.53             | 0.53             | 0.53             | 0.53             | 0.53             | 0.56             | 0.56             | 0.56             | 0.56             | 0.56             | 0.59             | 0.59             | 0.59             | 0.59             | 0.59             | 0.63             | 0.63             | 0.63             | 0.63             | 0.63             |
|                |                    | PI    | 8396             | 8407             | 8416             | 8417             | 8428             | 8902             | 8912             | 8921             | 8923             | 8934             | 9434             | 9446             | 9456             | 9458             | 9469             | 10002            | 10013            | 10024            | 10025            | 10038            |
|                | 77°F<br>25°C       | TC    | 0.37             | 0.44             | 0.50             | 0.50             | 0.57             | 0.40             | 0.47             | 0.53             | 0.53             | 0.60             | 0.42             | 0.49             | 0.56             | 0.56             | 0.64             | 0.45             | 0.52             | 0.60             | 0.60             | 0.68             |
|                |                    | S/T   | 0.41             | 0.41             | 0.41             | 0.41             | 0.41             | 0.44             | 0.44             | 0.44             | 0.44             | 0.44             | 0.46             | 0.46             | 0.46             | 0.46             | 0.46             | 0.49             | 0.49             | 0.49             | 0.49             | 0.49             |
|                |                    | PI    | 7550             | 7560             | 7569             | 7569             | 7579             | 8005             | 8015             | 8023             | 8024             | 8034             | 8484             | 8495             | 8504             | 8506             | 8515             | 8995             | 9005             | 9014             | 9016             | 9027             |
|                | 82°F<br>27.8°C     | TC    | 0.38             | 0.44             | 0.50             | 0.50             | 0.57             | 0.40             | 0.47             | 0.53             | 0.53             | 0.61             | 0.42             | 0.50             | 0.56             | 0.56             | 0.64             | 0.45             | 0.53             | 0.60             | 0.60             | 0.68             |
|                |                    | S/T   | 0.30             | 0.30             | 0.30             | 0.30             | 0.30             | 0.31             | 0.31             | 0.31             | 0.31             | 0.31             | 0.33             | 0.33             | 0.33             | 0.33             | 0.33             | 0.35             | 0.35             | 0.35             | 0.35             | 0.35             |
|                |                    | PI    | 7693             | 7703             | 7711             | 7712             | 7722             | 8156             | 8166             | 8174             | 8175             | 8185             | 8643             | 8655             | 8664             | 8666             | 8676             | 9164             | 9174             | 9184             | 9186             | 9197             |
|                | 86°F<br>30°C       | TC    | 0.38             | 0.44             | 0.50             | 0.50             | 0.57             | 0.40             | 0.47             | 0.53             | 0.53             | 0.61             | 0.42             | 0.50             | 0.57             | 0.57             | 0.65             | 0.45             | 0.53             | 0.60             | 0.60             | 0.68             |
|                |                    | S/T   | 0.30             | 0.30             | 0.30             | 0.30             | 0.30             | 0.32             | 0.32             | 0.32             | 0.32             | 0.32             | 0.34             | 0.34             | 0.34             | 0.34             | 0.34             | 0.36             | 0.36             | 0.36             | 0.36             | 0.36             |
|                |                    | PI    | 8119             | 8130             | 8139             | 8139             | 8150             | 8608             | 8619             | 8627             | 8629             | 8639             | 9123             | 9135             | 9145             | 9146             | 9157             | 9672             | 9683             | 9693             | 9695             | 9707             |
|                | 95°F<br>35°C       | TC    | 0.38             | 0.45             | 0.51             | 0.51             | 0.58             | 0.40             | 0.47             | 0.54             | 0.54             | 0.61             | 0.43             | 0.50             | 0.57             | 0.57             | 0.65             | 0.45             | 0.53             | 0.60             | 0.60             | 0.69             |
|                |                    | S/T   | 0.33             | 0.33             | 0.33             | 0.33             | 0.33             | 0.35             | 0.35             | 0.35             | 0.35             | 0.35             | 0.37             | 0.37             | 0.37             | 0                |                  |                  |                  |                  |                  |                  |

Table 16 – High Wall Heating Performance (12K)

| AIRFLOW<br>(CFM) | HEATING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE |                                     |                  |                  |                    |                    |                        |                  |                  |                    |                    |
|------------------|----------------------------------------------------|-------------------------------------|------------------|------------------|--------------------|--------------------|------------------------|------------------|------------------|--------------------|--------------------|
|                  | OUTDOOR<br>DB                                      | TC: Total Heating Capacity (BTU/hr) |                  |                  |                    |                    | PI: Power Input (kW)   |                  |                  |                    |                    |
|                  |                                                    | Indoor Conditions (DB)              |                  |                  |                    |                    | Indoor Conditions (DB) |                  |                  |                    |                    |
|                  |                                                    | 60.8°F<br>(16.0°C)                  | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) | 60.8°F<br>(16.0°C)     | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) |
| 176              | -22°F (-30.0°C)                                    | 2683                                | 2629             | 2616             | 2508               | 2485               | 1.39                   | 1.40             | 1.40             | 1.41               | 1.41               |
|                  | -13°F (-25.0°C)                                    | 3366                                | 3299             | 3282             | 3026               | 2998               | 1.50                   | 1.51             | 1.52             | 1.52               | 1.53               |
|                  | -4°F (-20.0°C)                                     | 4115                                | 4033             | 4013             | 3699               | 3666               | 1.63                   | 1.64             | 1.65             | 1.65               | 1.66               |
|                  | 0°F (-17.8°C)                                      | 4528                                | 4438             | 4416             | 4070               | 4034               | 1.64                   | 1.66             | 1.66             | 1.66               | 1.67               |
|                  | 5°F (-15.0°C)                                      | 5045                                | 4944             | 4919             | 4534               | 4494               | 1.66                   | 1.67             | 1.68             | 1.68               | 1.69               |
|                  | 14°F (-10.0°C)                                     | 5562                                | 5451             | 5424             | 4999               | 4954               | 1.97                   | 1.99             | 1.99             | 1.99               | 2.00               |
|                  | 17°F (-8.3°C)                                      | 5735                                | 5620             | 5592             | 5155               | 5108               | 2.07                   | 2.09             | 2.09             | 2.10               | 2.11               |
|                  | 22°F (-5.6°C)                                      | 6020                                | 5900             | 5870             | 5411               | 5363               | 2.06                   | 2.08             | 2.08             | 2.08               | 2.09               |
|                  | 27°F (-2.8°C)                                      | 6306                                | 6180             | 6149             | 5668               | 5617               | 2.04                   | 2.06             | 2.06             | 2.07               | 2.08               |
|                  | 32°F (0.0°C)                                       | 6592                                | 6460             | 6428             | 5925               | 5871               | 2.03                   | 2.04             | 2.05             | 2.05               | 2.06               |
|                  | 35°F (1.7°C)                                       | 6763                                | 6628             | 6595             | 6079               | 6024               | 2.02                   | 2.04             | 2.04             | 2.04               | 2.05               |
|                  | 37°F (2.8°C)                                       | 6827                                | 6690             | 6657             | 6136               | 6081               | 1.91                   | 1.92             | 1.93             | 1.93               | 1.94               |
|                  | 42°F (5.6°C)                                       | 6986                                | 6846             | 6812             | 6279               | 6223               | 1.63                   | 1.64             | 1.65             | 1.65               | 1.66               |
|                  | 44.6°F (7.0°C)                                     | 7049                                | 6908             | 6874             | 6336               | 6279               | 1.52                   | 1.53             | 1.53             | 1.54               | 1.54               |
|                  | 47°F (8.3°C)                                       | 7145                                | 7002             | 6967             | 6422               | 6364               | 1.35                   | 1.36             | 1.37             | 1.37               | 1.37               |
|                  | 52°F (11.1°C)                                      | 6845                                | 6708             | 6675             | 6153               | 6097               | 1.21                   | 1.22             | 1.22             | 1.22               | 1.23               |
|                  | 57°F (13.9°C)                                      | 6546                                | 6415             | 6383             | 5883               | 5830               | 1.06                   | 1.07             | 1.07             | 1.08               | 1.08               |
|                  | 59°F (15.0°C)                                      | 6426                                | 6297             | 6266             | 5776               | 5724               | 1.01                   | 1.01             | 1.02             | 1.02               | 1.02               |
|                  | 62°F (16.7°C)                                      | 6246                                | 6121             | 6091             | 5614               | 5564               | 0.92                   | 0.93             | 0.93             | 0.93               | 0.93               |
|                  | 64.4°F (18.0°C)                                    | 6126                                | 6004             | 5974             | 5506               | 5457               | 0.86                   | 0.87             | 0.87             | 0.87               | 0.87               |
| 229              | -22°F (-30.0°C)                                    | 3615                                | 3543             | 3525             | 3445               | 3414               | 1.40                   | 1.42             | 1.42             | 1.42               | 1.43               |
|                  | -13°F (-25.0°C)                                    | 4448                                | 4359             | 4338             | 4156               | 4119               | 1.52                   | 1.53             | 1.53             | 1.54               | 1.54               |
|                  | -4°F (-20.0°C)                                     | 5438                                | 5329             | 5303             | 5081               | 5035               | 1.65                   | 1.66             | 1.66             | 1.67               | 1.67               |
|                  | 0°F (-17.8°C)                                      | 5984                                | 5864             | 5835             | 5591               | 5541               | 1.66                   | 1.67             | 1.68             | 1.68               | 1.69               |
|                  | 5°F (-15.0°C)                                      | 6667                                | 6533             | 6501             | 6229               | 6173               | 1.68                   | 1.69             | 1.69             | 1.70               | 1.70               |
|                  | 14°F (-10.0°C)                                     | 7350                                | 7203             | 7167             | 6867               | 6806               | 1.99                   | 2.01             | 2.01             | 2.01               | 2.02               |
|                  | 17°F (-8.3°C)                                      | 7578                                | 7427             | 7390             | 7080               | 7017               | 2.09                   | 2.11             | 2.12             | 2.12               | 2.13               |
|                  | 22°F (-5.6°C)                                      | 7956                                | 7797             | 7758             | 7433               | 7366               | 2.08                   | 2.10             | 2.10             | 2.10               | 2.11               |
|                  | 27°F (-2.8°C)                                      | 8333                                | 8167             | 8126             | 7786               | 7716               | 2.06                   | 2.08             | 2.08             | 2.09               | 2.10               |
|                  | 32°F (0.0°C)                                       | 8711                                | 8537             | 8494             | 8139               | 8065               | 2.05                   | 2.07             | 2.07             | 2.07               | 2.08               |
|                  | 35°F (1.7°C)                                       | 8937                                | 8758             | 8715             | 8350               | 8275               | 2.04                   | 2.06             | 2.06             | 2.06               | 2.07               |
|                  | 37°F (2.8°C)                                       | 9021                                | 8841             | 8797             | 8429               | 8353               | 1.93                   | 1.94             | 1.95             | 1.95               | 1.96               |
|                  | 42°F (5.6°C)                                       | 9232                                | 9047             | 9002             | 8625               | 8548               | 1.65                   | 1.66             | 1.66             | 1.67               | 1.67               |
|                  | 44.6°F (7.0°C)                                     | 9316                                | 9129             | 9084             | 8704               | 8625               | 1.53                   | 1.55             | 1.55             | 1.55               | 1.56               |
|                  | 47°F (8.3°C)                                       | 9442                                | 9253             | 9207             | 8822               | 8742               | 1.37                   | 1.38             | 1.38             | 1.38               | 1.39               |
|                  | 52°F (11.1°C)                                      | 9046                                | 8865             | 8821             | 8452               | 8376               | 1.22                   | 1.23             | 1.23             | 1.23               | 1.24               |
|                  | 57°F (13.9°C)                                      | 8650                                | 8477             | 8435             | 8082               | 8009               | 1.07                   | 1.08             | 1.08             | 1.09               | 1.09               |
|                  | 59°F (15.0°C)                                      | 8492                                | 8322             | 8280             | 7934               | 7862               | 1.02                   | 1.02             | 1.03             | 1.03               | 1.03               |
|                  | 62°F (16.7°C)                                      | 8254                                | 8089             | 8048             | 7712               | 7642               | 0.93                   | 0.94             | 0.94             | 0.94               | 0.94               |
|                  | 64.4°F (18.0°C)                                    | 8096                                | 7934             | 7894             | 7564               | 7496               | 0.87                   | 0.88             | 0.88             | 0.88               | 0.88               |

Table 16 – High Wall Heating Performance (12K) (Continued)

| AIRFLOW<br>(CFM) | HEATING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE |                                     |                  |                  |                    |                    |                        |                  |                  |                    |                    |
|------------------|----------------------------------------------------|-------------------------------------|------------------|------------------|--------------------|--------------------|------------------------|------------------|------------------|--------------------|--------------------|
|                  | OUTDOOR<br>DB                                      | TC: Total Heating Capacity (BTU/hr) |                  |                  |                    |                    | PI: Power Input (kW)   |                  |                  |                    |                    |
|                  |                                                    | Indoor Conditions (DB)              |                  |                  |                    |                    | Indoor Conditions (DB) |                  |                  |                    |                    |
|                  |                                                    | 60.8°F<br>(16.0°C)                  | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) | 60.8°F<br>(16.0°C)     | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) |
| 324              | -22°F (-30.0°C)                                    | 4872                                | 4775             | 4751             | 4732               | 4689               | 1.42                   | 1.43             | 1.43             | 1.44               | 1.44               |
|                  | -13°F (-25.0°C)                                    | 5878                                | 5761             | 5732             | 5709               | 5658               | 1.53                   | 1.55             | 1.55             | 1.55               | 1.56               |
|                  | -4°F (-20.0°C)                                     | 7186                                | 7043             | 7007             | 6979               | 6917               | 1.66                   | 1.68             | 1.68             | 1.68               | 1.69               |
|                  | 0°F (-17.8°C)                                      | 7908                                | 7750             | 7711             | 7680               | 7611               | 1.68                   | 1.69             | 1.69             | 1.70               | 1.70               |
|                  | 5°F (-15.0°C)                                      | 8810                                | 8633             | 8590             | 8556               | 8479               | 1.69                   | 1.71             | 1.71             | 1.71               | 1.72               |
|                  | 14°F (-10.0°C)                                     | 9713                                | 9519             | 9471             | 9433               | 9349               | 2.01                   | 2.03             | 2.03             | 2.03               | 2.04               |
|                  | 17°F (-8.3°C)                                      | 10014                               | 9814             | 9765             | 9726               | 9638               | 2.12                   | 2.13             | 2.14             | 2.14               | 2.15               |
|                  | 22°F (-5.6°C)                                      | 10513                               | 10303            | 10251            | 10210              | 10119              | 2.10                   | 2.12             | 2.12             | 2.13               | 2.13               |
|                  | 27°F (-2.8°C)                                      | 11012                               | 10792            | 10738            | 10695              | 10599              | 2.08                   | 2.10             | 2.11             | 2.11               | 2.12               |
|                  | 32°F (0.0°C)                                       | 11511                               | 11281            | 11224            | 11179              | 11079              | 2.07                   | 2.09             | 2.09             | 2.09               | 2.10               |
|                  | 35°F (1.7°C)                                       | 11810                               | 11574            | 11516            | 11470              | 11367              | 2.06                   | 2.08             | 2.08             | 2.09               | 2.09               |
|                  | 37°F (2.8°C)                                       | 11921                               | 11683            | 11625            | 11578              | 11474              | 1.95                   | 1.96             | 1.97             | 1.97               | 1.98               |
|                  | 42°F (5.6°C)                                       | 12199                               | 11955            | 11895            | 11848              | 11741              | 1.66                   | 1.68             | 1.68             | 1.68               | 1.69               |
|                  | 44.6°F (7.0°C)                                     | 12310                               | 12064            | 12004            | 11956              | 11848              | 1.55                   | 1.56             | 1.57             | 1.57               | 1.58               |
|                  | 47°F (8.3°C)                                       | 12477                               | 12227            | 12166            | 12118              | 12009              | 1.38                   | 1.39             | 1.39             | 1.40               | 1.40               |
|                  | 52°F (11.1°C)                                      | 11954                               | 11715            | 11656            | 11609              | 11505              | 1.23                   | 1.24             | 1.24             | 1.25               | 1.25               |
|                  | 57°F (13.9°C)                                      | 11431                               | 11202            | 11146            | 11101              | 11001              | 1.08                   | 1.09             | 1.10             | 1.10               | 1.10               |
|                  | 59°F (15.0°C)                                      | 11221                               | 10997            | 10942            | 10898              | 10800              | 1.03                   | 1.03             | 1.04             | 1.04               | 1.04               |
|                  | 62°F (16.7°C)                                      | 10907                               | 10689            | 10636            | 10593              | 10498              | 0.94                   | 0.94             | 0.95             | 0.95               | 0.95               |
|                  | 64.4°F (18.0°C)                                    | 10698                               | 10484            | 10432            | 10390              | 10296              | 0.88                   | 0.89             | 0.89             | 0.89               | 0.89               |
| 441              | -22°F (-30.0°C)                                    | 6438                                | 6310             | 6278             | 6253               | 6197               | 1.43                   | 1.45             | 1.45             | 1.45               | 1.46               |
|                  | -13°F (-25.0°C)                                    | 7768                                | 7613             | 7575             | 7544               | 7476               | 1.55                   | 1.56             | 1.56             | 1.57               | 1.57               |
|                  | -4°F (-20.0°C)                                     | 9497                                | 9307             | 9260             | 9223               | 9140               | 1.68                   | 1.69             | 1.70             | 1.70               | 1.71               |
|                  | 0°F (-17.8°C)                                      | 10450                               | 10241            | 10190            | 10149              | 10058              | 1.69                   | 1.71             | 1.71             | 1.71               | 1.72               |
|                  | 5°F (-15.0°C)                                      | 11642                               | 11409            | 11352            | 11306              | 11205              | 1.71                   | 1.72             | 1.73             | 1.73               | 1.74               |
|                  | 14°F (-10.0°C)                                     | 12836                               | 12579            | 12516            | 12466              | 12354              | 2.03                   | 2.05             | 2.05             | 2.05               | 2.06               |
|                  | 17°F (-8.3°C)                                      | 13234                               | 12969            | 12904            | 12852              | 12737              | 2.14                   | 2.15             | 2.16             | 2.16               | 2.17               |
|                  | 22°F (-5.6°C)                                      | 13893                               | 13615            | 13547            | 13493              | 13371              | 2.12                   | 2.14             | 2.14             | 2.15               | 2.16               |
|                  | 27°F (-2.8°C)                                      | 14552                               | 14261            | 14190            | 14133              | 14006              | 2.11                   | 2.12             | 2.13             | 2.13               | 2.14               |
|                  | 32°F (0.0°C)                                       | 15211                               | 14907            | 14833            | 14773              | 14640              | 2.09                   | 2.11             | 2.11             | 2.12               | 2.12               |
|                  | 35°F (1.7°C)                                       | 15607                               | 15295            | 15218            | 15157              | 15021              | 2.08                   | 2.10             | 2.10             | 2.11               | 2.11               |
|                  | 37°F (2.8°C)                                       | 15754                               | 15439            | 15361            | 15300              | 15162              | 1.97                   | 1.98             | 1.99             | 1.99               | 2.00               |
|                  | 42°F (5.6°C)                                       | 16121                               | 15798            | 15719            | 15657              | 15516              | 1.68                   | 1.69             | 1.70             | 1.70               | 1.71               |
|                  | 44.6°F (7.0°C)                                     | 16268                               | 15942            | 15863            | 15799              | 15657              | 1.57                   | 1.58             | 1.58             | 1.58               | 1.59               |
|                  | 47°F (8.3°C)                                       | 16488                               | 16158            | 16077            | 16013              | 15869              | 1.39                   | 1.41             | 1.41             | 1.41               | 1.42               |
|                  | 52°F (11.1°C)                                      | 15797                               | 15481            | 15403            | 15342              | 15203              | 1.24                   | 1.25             | 1.26             | 1.26               | 1.26               |
|                  | 57°F (13.9°C)                                      | 15105                               | 14803            | 14729            | 14670              | 14538              | 1.10                   | 1.10             | 1.11             | 1.11               | 1.11               |
|                  | 59°F (15.0°C)                                      | 14829                               | 14532            | 14459            | 14401              | 14272              | 1.04                   | 1.04             | 1.05             | 1.05               | 1.05               |
|                  | 62°F (16.7°C)                                      | 14414                               | 14125            | 14055            | 13999              | 13873              | 0.95                   | 0.95             | 0.96             | 0.96               | 0.96               |
|                  | 64.4°F (18.0°C)                                    | 14137                               | 13854            | 13785            | 13730              | 13606              | 0.89                   | 0.89             | 0.90             | 0.90               | 0.90               |

**NOTE:** Values in grey are tested. Others are extrapolated based on tested performance.

Table 17 – High Wall Cooling Performance (18K)

| Airflow<br>CFM | Out-<br>door<br>DB | ID WB | 60.8°F (16.0°C)  |                  |                  |                  |                  | 64.4°F (16.0°C)  |                  |                  |                  |                  | 67.0°F (19.4°C)  |                  |                  |                  |                  | 71.6°F (22.0°C)  |                  |                  |                  |                  |
|----------------|--------------------|-------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
|                |                    | ID DB | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C |
| 188            | -22°F<br>30°C      | TC    | 7434             | 7444             | 7452             | 7452             | 7462             | 7882             | 7891             | 7899             | 7901             | 7910             | 8353             | 8364             | 8373             | 8374             | 8384             | 8856             | 8866             | 8875             | 8877             | 8888             |
|                |                    | S/T   | 0.26             | 0.31             | 0.35             | 0.35             | 0.40             | 0.28             | 0.33             | 0.37             | 0.37             | 0.42             | 0.29             | 0.34             | 0.39             | 0.39             | 0.45             | 0.31             | 0.37             | 0.42             | 0.42             | 0.47             |
|                |                    | PI    | 0.30             | 0.30             | 0.30             | 0.30             | 0.30             | 0.31             | 0.31             | 0.31             | 0.31             | 0.31             | 0.33             | 0.33             | 0.33             | 0.33             | 0.33             | 0.35             | 0.35             | 0.35             | 0.35             | 0.35             |
|                | -13°F<br>25°C      | TC    | 8053             | 8064             | 8073             | 8073             | 8084             | 8539             | 8549             | 8557             | 8559             | 8569             | 9049             | 9061             | 9071             | 9072             | 9082             | 9594             | 9604             | 9615             | 9616             | 9628             |
|                |                    | S/T   | 0.26             | 0.31             | 0.35             | 0.35             | 0.40             | 0.28             | 0.33             | 0.37             | 0.37             | 0.42             | 0.30             | 0.35             | 0.39             | 0.39             | 0.45             | 0.31             | 0.37             | 0.42             | 0.42             | 0.48             |
|                |                    | PI    | 0.32             | 0.32             | 0.32             | 0.32             | 0.32             | 0.34             | 0.34             | 0.34             | 0.34             | 0.34             | 0.36             | 0.36             | 0.36             | 0.36             | 0.36             | 0.38             | 0.38             | 0.38             | 0.38             | 0.38             |
|                | -4°F<br>20°C       | TC    | 8673             | 8684             | 8694             | 8694             | 8706             | 9195             | 9206             | 9215             | 9217             | 9228             | 9745             | 9758             | 9768             | 9770             | 9781             | 10332            | 10343            | 10354            | 10356            | 10369            |
|                |                    | S/T   | 0.26             | 0.31             | 0.35             | 0.35             | 0.40             | 0.28             | 0.33             | 0.37             | 0.37             | 0.43             | 0.30             | 0.35             | 0.40             | 0.40             | 0.45             | 0.32             | 0.37             | 0.42             | 0.42             | 0.48             |
|                |                    | PI    | 0.35             | 0.35             | 0.35             | 0.35             | 0.35             | 0.37             | 0.37             | 0.37             | 0.37             | 0.37             | 0.39             | 0.39             | 0.39             | 0.39             | 0.39             | 0.41             | 0.41             | 0.41             | 0.41             | 0.41             |
|                | 0°F<br>17.8°C      | TC    | 8948             | 8960             | 8970             | 8970             | 8982             | 9487             | 9499             | 9508             | 9510             | 9521             | 10054            | 10067            | 10078            | 10080            | 10092            | 10660            | 10672            | 10683            | 10685            | 10698            |
|                |                    | S/T   | 0.27             | 0.31             | 0.35             | 0.35             | 0.40             | 0.28             | 0.33             | 0.38             | 0.38             | 0.43             | 0.30             | 0.35             | 0.40             | 0.40             | 0.45             | 0.32             | 0.37             | 0.42             | 0.42             | 0.48             |
|                |                    | PI    | 0.36             | 0.36             | 0.36             | 0.36             | 0.36             | 0.38             | 0.38             | 0.38             | 0.38             | 0.38             | 0.40             | 0.40             | 0.40             | 0.40             | 0.40             | 0.42             | 0.42             | 0.43             | 0.43             | 0.43             |
|                | 5°F<br>15°C        | TC    | 9292             | 9305             | 9315             | 9315             | 9328             | 9852             | 9864             | 9874             | 9876             | 9887             | 10441            | 10454            | 10466            | 10468            | 10480            | 11070            | 11082            | 11094            | 11096            | 11110            |
|                |                    | S/T   | 0.27             | 0.31             | 0.36             | 0.36             | 0.41             | 0.28             | 0.33             | 0.38             | 0.38             | 0.43             | 0.30             | 0.35             | 0.40             | 0.40             | 0.46             | 0.32             | 0.37             | 0.42             | 0.42             | 0.48             |
|                |                    | PI    | 0.37             | 0.37             | 0.37             | 0.37             | 0.37             | 0.39             | 0.39             | 0.39             | 0.39             | 0.39             | 0.42             | 0.42             | 0.42             | 0.42             | 0.42             | 0.44             | 0.44             | 0.44             | 0.44             | 0.44             |
|                | 14°F<br>10°C       | TC    | 9674             | 9687             | 9698             | 9698             | 9711             | 10257            | 10270            | 10280            | 10282            | 10294            | 10870            | 10884            | 10897            | 10899            | 10911            | 11525            | 11538            | 11550            | 11552            | 11566            |
|                |                    | S/T   | 0.27             | 0.31             | 0.36             | 0.36             | 0.41             | 0.28             | 0.33             | 0.38             | 0.38             | 0.43             | 0.30             | 0.35             | 0.40             | 0.40             | 0.46             | 0.32             | 0.37             | 0.42             | 0.42             | 0.48             |
|                |                    | PI    | 0.36             | 0.36             | 0.36             | 0.36             | 0.36             | 0.38             | 0.38             | 0.38             | 0.38             | 0.38             | 0.40             | 0.40             | 0.40             | 0.40             | 0.40             | 0.43             | 0.43             | 0.43             | 0.43             | 0.43             |
|                | 17°F<br>10°C       | TC    | 9802             | 9815             | 9826             | 9826             | 9839             | 10392            | 10405            | 10415            | 10417            | 10429            | 11013            | 11028            | 11040            | 11042            | 11054            | 11677            | 11690            | 11702            | 11704            | 11719            |
|                |                    | S/T   | 0.27             | 0.31             | 0.36             | 0.36             | 0.41             | 0.28             | 0.33             | 0.38             | 0.38             | 0.43             | 0.30             | 0.35             | 0.40             | 0.40             | 0.46             | 0.32             | 0.37             | 0.43             | 0.43             | 0.49             |
|                |                    | PI    | 0.36             | 0.36             | 0.36             | 0.36             | 0.36             | 0.38             | 0.38             | 0.38             | 0.38             | 0.38             | 0.40             | 0.40             | 0.40             | 0.40             | 0.40             | 0.42             | 0.42             | 0.42             | 0.42             | 0.42             |
|                | 23°F<br>5°C        | TC    | 9936             | 9949             | 9960             | 9960             | 9973             | 10534            | 10547            | 10557            | 10559            | 10572            | 11164            | 11178            | 11191            | 11193            | 11205            | 11836            | 11849            | 11862            | 11864            | 11879            |
|                |                    | S/T   | 0.27             | 0.32             | 0.36             | 0.36             | 0.41             | 0.29             | 0.34             | 0.38             | 0.38             | 0.43             | 0.30             | 0.36             | 0.40             | 0.40             | 0.46             | 0.32             | 0.38             | 0.43             | 0.43             | 0.49             |
|                |                    | PI    | 0.36             | 0.36             | 0.36             | 0.36             | 0.36             | 0.38             | 0.38             | 0.38             | 0.38             | 0.38             | 0.41             | 0.41             | 0.41             | 0.41             | 0.41             | 0.43             | 0.43             | 0.43             | 0.43             | 0.43             |
|                | 35°F<br>1.7°C      | TC    | 10203            | 10217            | 10228            | 10228            | 10242            | 10818            | 10831            | 10841            | 10844            | 10856            | 11464            | 11479            | 11492            | 11494            | 11507            | 12155            | 12168            | 12181            | 12183            | 12198            |
|                |                    | S/T   | 0.27             | 0.32             | 0.36             | 0.36             | 0.41             | 0.29             | 0.34             | 0.38             | 0.38             | 0.44             | 0.30             | 0.36             | 0.41             | 0.41             | 0.46             | 0.32             | 0.38             | 0.43             | 0.43             | 0.49             |
|                |                    | PI    | 0.37             | 0.37             | 0.37             | 0.37             | 0.37             | 0.39             | 0.39             | 0.39             | 0.39             | 0.40             | 0.42             | 0.42             | 0.42             | 0.42             | 0.42             | 0.44             | 0.44             | 0.44             | 0.44             | 0.44             |
|                | 41°F<br>5°C        | TC    | 10069            | 10083            | 10093            | 10094            | 10107            | 10676            | 10688            | 10699            | 10701            | 10714            | 11314            | 11328            | 11341            | 11343            | 11356            | 11995            | 12008            | 12021            | 12023            | 12038            |
|                |                    | S/T   | 0.27             | 0.32             | 0.36             | 0.36             | 0.41             | 0.29             | 0.34             | 0.38             | 0.38             | 0.44             | 0.31             | 0.36             | 0.41             | 0.41             | 0.46             | 0.32             | 0.38             | 0.43             | 0.43             | 0.49             |
|                |                    | PI    | 0.40             | 0.40             | 0.40             | 0.40             | 0.40             | 0.42             | 0.43             | 0.43             | 0.43             | 0.43             | 0.45             | 0.45             | 0.45             | 0.45             | 0.45             | 0.48             | 0.48             | 0.48             | 0.48             | 0.48             |
|                | 47°F<br>8.3°C      | TC    | 9935             | 9948             | 9959             | 9959             | 9973             | 10534            | 10546            | 10557            | 10559            | 10571            | 11163            | 11178            | 11190            | 11192            | 11205            | 11836            | 11848            | 11861            | 11863            | 11878            |
|                |                    | S/T   | 0.27             | 0.32             | 0.36             | 0.36             | 0.41             | 0.29             | 0.34             | 0.39             | 0.39             | 0.44             | 0.31             | 0.36             | 0.41             | 0.41             | 0.47             | 0.32             | 0.38             | 0.43             | 0.43             | 0.49             |
|                |                    | PI    | 0.43             | 0.43             | 0.43             | 0.43             | 0.43             | 0.46             | 0.46             | 0.46             | 0.46             | 0.46             | 0.48             | 0.48             | 0.48             | 0.48             | 0.48             | 0.51             | 0.51             | 0.51             | 0.51             | 0.51             |
|                | 50°F<br>10°C       | TC    | 10042            | 10055            | 10066            | 10066            | 10080            | 10647            | 10659            | 10670            | 10672            | 10685            | 11283            | 11298            | 11310            | 11312            | 11325            | 11963            | 11976            | 11989            | 11991            | 12006            |
|                |                    | S/T   | 0.27             | 0.32             | 0.37             | 0.37             | 0.42             | 0.29             | 0.34             | 0.39             | 0.39             | 0.44             | 0.31             | 0.36             | 0.41             | 0.41             | 0.47             | 0.33             | 0.38             | 0.43             | 0.43             | 0.50             |
|                |                    | PI    | 0.44             | 0.44             | 0.44             | 0.44             | 0.44             | 0.47             | 0.47             | 0.47             | 0.47             | 0.47             | 0.50             | 0.50             | 0.50             | 0.50             | 0.50             | 0.53             | 0.53             | 0.53             | 0.53             | 0.53             |
|                | 59°F<br>15°C       | TC    | 10362            | 10376            | 10387            | 10387            | 10401            | 10986            | 10999            | 11010            | 11012            | 11025            | 11642            | 11658            | 11671            | 11673            | 11686            | 12344            | 12357            | 12371            | 12373            | 12388            |
|                |                    | S/T   | 0.28             | 0.32             | 0.37             | 0.37             | 0.42             | 0.29             | 0.34             | 0.39             | 0.39             | 0.44             | 0.31             | 0.36             | 0.41             | 0.41             | 0.47             | 0.33             | 0.38             | 0.44             | 0.44             | 0.50             |
|                |                    | PI    | 0.48             | 0.48             | 0.48             | 0.48             | 0.48             | 0.51             | 0.51             | 0.51             | 0.51             | 0.51             | 0.54             | 0.54             | 0.54             | 0.54             | 0.54             | 0.57             | 0.57             | 0.57             | 0.57             | 0.57             |
|                | 68°F<br>20°C       | TC    | 10682            | 10696            | 10708            | 10708            | 10722            | 11325            | 11339            | 11350            | 11352            | 11366            | 12002            | 12018            | 12031            | 12033            | 12047            | 12725            | 12739            | 12753            | 12755            | 12771            |
|                |                    | S/T   | 0.28             | 0.33             | 0.38             | 0.38             | 0.43             | 0.30             | 0.35             | 0.40             | 0.40             | 0.46             | 0.32             | 0.37             | 0.42             | 0.42             | 0.48             | 0.34             | 0.39             | 0.45             | 0.45             | 0.51             |
|                |                    | PI    | 0.51             | 0.51             | 0.51             | 0.51             | 0.51             | 0.54             | 0.54             | 0.54             | 0.54             | 0.54             | 0.57             | 0.58             | 0.58             | 0.58             | 0.58             | 0.61             | 0.61             | 0.61             | 0.61             | 0.61             |
|                | 77°F<br>25°C       | TC    | 11002            | 11016            | 11028            | 11029            | 11044            | 11665            | 11678            | 11690            | 11692            | 11706            | 12362            | 12378            | 12391            | 12394            | 12408            | 13106            | 13121            | 13135            | 13137            | 13153            |
|                |                    | S/T   | 0.29             | 0.34             | 0.38             | 0.38             | 0.43             | 0.30             | 0.36             | 0.40             | 0.40             | 0.46             | 0.32             | 0.38             | 0.43             | 0.43             | 0.49             | 0.34             | 0.40             | 0.45             | 0.45             | 0.52             |
|                |                    | PI    | 0.55             | 0.55             | 0.55             | 0.55             | 0.55             | 0.58             | 0.58             | 0.58             | 0.58             | 0.58             | 0.61             | 0.62             | 0.62             | 0.62             | 0.62             | 0.65             | 0.65             | 0.65             | 0.65             | 0.65             |
|                | 82°F<br>27.8°C     | TC    | 10889            | 10903            | 10915            | 10916            | 10930            | 11545            | 11559            | 11570            | 11572            | 11586            | 12235            | 12251            | 12264            | 12267            | 12280            | 12972            | 12986            | 13000            | 13002            | 13018            |
|                |                    | S/T   | 0.29             | 0.34             | 0.39             | 0.39             | 0.44             | 0.31             | 0.36             | 0.41             | 0.41             | 0.47             | 0.33             | 0.38             | 0.43             | 0.43             | 0.49             | 0.35             | 0.41             | 0.46             | 0.46             | 0.52             |
|                |                    | PI    | 0.59             | 0.59             | 0.59             | 0.59             | 0.59             | 0.63             | 0.63             | 0.63             | 0.63             | 0.63             | 0.67             | 0.67             | 0.67             | 0.67             | 0.67             | 0.71             | 0.71             | 0.71             | 0.71             | 0.71             |
|                | 86°F<br>30°C       | TC    | 10432            | 10446            | 10457            | 10458            | 10472            | 11061            | 11074            | 11085            | 11087            | 11100            | 11721            | 11737            | 11750            | 11752            | 11765            | 12428            | 12441            | 12455            | 12457            | 12472            |
|                |                    | S/T   | 0.29             | 0.34             | 0.39             | 0.39             | 0.45             | 0.31             | 0.37             | 0.41             | 0.41             | 0.47             | 0.33             | 0.39             | 0.44             | 0.44             | 0.50             | 0.35             | 0.41             | 0.47             | 0.47             | 0.53             |
|                |                    | PI    | 0.66             | 0.66             | 0.66             | 0.66             | 0.66             | 0.70             | 0.70             | 0.70             | 0.70             | 0.70             | 0.74             | 0.74             |                  |                  |                  |                  |                  |                  |                  |                  |

Table 17 – High Wall Cooling Performance (18K) (Continued)

| Airflow<br>CFM | Out-<br>door<br>DB | ID WB | 60.8°F (16.0°C)  |                  |                  |                  |                  | 64.4°F (16.0°C)  |                  |                  |                  |                  | 67.0°F (19.4°C)  |                  |                  |                  |                  | 71.6°F (22.0°C)  |                  |                  |                  |                  |
|----------------|--------------------|-------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
|                |                    | ID DB | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C |
| 324            | -22°F<br>30°C      | TC    | 9075             | 9087             | 9097             | 9098             | 9110             | 9622             | 9634             | 9643             | 9645             | 9656             | 10197            | 10210            | 10222            | 10224            | 10235            | 10811            | 10823            | 10835            | 10837            | 10850            |
|                |                    | S/T   | 0.32             | 0.37             | 0.43             | 0.43             | 0.49             | 0.34             | 0.40             | 0.45             | 0.45             | 0.51             | 0.36             | 0.42             | 0.48             | 0.48             | 0.55             | 0.38             | 0.45             | 0.51             | 0.51             | 0.58             |
|                |                    | PI    | 0.36             | 0.36             | 0.36             | 0.36             | 0.36             | 0.38             | 0.38             | 0.38             | 0.38             | 0.38             | 0.41             | 0.41             | 0.41             | 0.41             | 0.41             | 0.43             | 0.43             | 0.43             | 0.43             | 0.43             |
|                | -13°F<br>25°C      | TC    | 9832             | 9845             | 9855             | 9856             | 9869             | 10424            | 10436            | 10447            | 10449            | 10461            | 11047            | 11061            | 11073            | 11076            | 11088            | 11712            | 11725            | 11738            | 11740            | 11754            |
|                |                    | S/T   | 0.32             | 0.38             | 0.43             | 0.43             | 0.49             | 0.34             | 0.40             | 0.45             | 0.45             | 0.52             | 0.36             | 0.42             | 0.48             | 0.48             | 0.55             | 0.38             | 0.45             | 0.51             | 0.51             | 0.58             |
|                |                    | PI    | 0.39             | 0.39             | 0.39             | 0.39             | 0.39             | 0.41             | 0.42             | 0.42             | 0.42             | 0.42             | 0.44             | 0.44             | 0.44             | 0.44             | 0.44             | 0.47             | 0.47             | 0.47             | 0.47             | 0.47             |
|                | -4°F<br>20°C       | TC    | 10588            | 10602            | 10613            | 10614            | 10628            | 11226            | 11239            | 11250            | 11252            | 11266            | 11897            | 11912            | 11925            | 11927            | 11941            | 12613            | 12627            | 12641            | 12643            | 12658            |
|                |                    | S/T   | 0.32             | 0.38             | 0.43             | 0.43             | 0.49             | 0.34             | 0.40             | 0.46             | 0.46             | 0.52             | 0.36             | 0.43             | 0.48             | 0.48             | 0.55             | 0.39             | 0.45             | 0.51             | 0.51             | 0.59             |
|                |                    | PI    | 0.42             | 0.42             | 0.42             | 0.42             | 0.42             | 0.45             | 0.45             | 0.45             | 0.45             | 0.45             | 0.47             | 0.47             | 0.47             | 0.47             | 0.48             | 0.50             | 0.50             | 0.50             | 0.50             | 0.50             |
|                | 0°F<br>17.8°C      | TC    | 10924            | 10939            | 10950            | 10951            | 10966            | 11582            | 11596            | 11607            | 11610            | 11623            | 12274            | 12290            | 12304            | 12306            | 12320            | 13014            | 13028            | 13042            | 13044            | 13060            |
|                |                    | S/T   | 0.32             | 0.38             | 0.43             | 0.43             | 0.49             | 0.34             | 0.40             | 0.46             | 0.46             | 0.52             | 0.36             | 0.43             | 0.49             | 0.49             | 0.55             | 0.39             | 0.45             | 0.52             | 0.52             | 0.59             |
|                |                    | PI    | 0.43             | 0.44             | 0.44             | 0.44             | 0.44             | 0.46             | 0.46             | 0.46             | 0.46             | 0.46             | 0.49             | 0.49             | 0.49             | 0.49             | 0.49             | 0.52             | 0.52             | 0.52             | 0.52             | 0.52             |
|                | 5°F<br>15°C        | TC    | 11344            | 11359            | 11372            | 11372            | 11387            | 12028            | 12042            | 12054            | 12056            | 12071            | 12746            | 12763            | 12777            | 12779            | 12794            | 13514            | 13529            | 13544            | 13546            | 13563            |
|                |                    | S/T   | 0.33             | 0.38             | 0.43             | 0.43             | 0.50             | 0.35             | 0.41             | 0.46             | 0.46             | 0.53             | 0.37             | 0.43             | 0.49             | 0.49             | 0.56             | 0.39             | 0.46             | 0.52             | 0.52             | 0.59             |
|                |                    | PI    | 0.45             | 0.45             | 0.45             | 0.45             | 0.45             | 0.48             | 0.48             | 0.48             | 0.48             | 0.48             | 0.51             | 0.51             | 0.51             | 0.51             | 0.51             | 0.54             | 0.54             | 0.54             | 0.54             | 0.54             |
|                | 14°F<br>10°C       | TC    | 11811            | 11826            | 11839            | 11840            | 11856            | 12522            | 12537            | 12549            | 12552            | 12567            | 13270            | 13288            | 13302            | 13305            | 13320            | 14070            | 14085            | 14101            | 14103            | 14120            |
|                |                    | S/T   | 0.33             | 0.38             | 0.44             | 0.44             | 0.50             | 0.35             | 0.41             | 0.46             | 0.46             | 0.53             | 0.37             | 0.43             | 0.49             | 0.49             | 0.56             | 0.39             | 0.46             | 0.52             | 0.52             | 0.59             |
|                |                    | PI    | 0.44             | 0.44             | 0.44             | 0.44             | 0.44             | 0.46             | 0.47             | 0.47             | 0.47             | 0.47             | 0.49             | 0.49             | 0.49             | 0.49             | 0.49             | 0.52             | 0.52             | 0.52             | 0.52             | 0.52             |
|                | 17°F<br>10°C       | TC    | 11966            | 11982            | 11995            | 11996            | 12012            | 12687            | 12702            | 12715            | 12717            | 12732            | 13445            | 13463            | 13478            | 13480            | 13495            | 14255            | 14271            | 14286            | 14288            | 14306            |
|                |                    | S/T   | 0.33             | 0.38             | 0.44             | 0.44             | 0.50             | 0.35             | 0.41             | 0.46             | 0.46             | 0.53             | 0.37             | 0.43             | 0.49             | 0.49             | 0.56             | 0.39             | 0.46             | 0.52             | 0.52             | 0.59             |
|                |                    | PI    | 0.43             | 0.43             | 0.43             | 0.43             | 0.44             | 0.46             | 0.46             | 0.46             | 0.46             | 0.46             | 0.49             | 0.49             | 0.49             | 0.49             | 0.49             | 0.52             | 0.52             | 0.52             | 0.52             | 0.52             |
|                | 23°F<br>5°C        | TC    | 12129            | 12146            | 12159            | 12159            | 12176            | 12860            | 12876            | 12888            | 12891            | 12906            | 13629            | 13646            | 13662            | 13664            | 13679            | 14450            | 14465            | 14481            | 14483            | 14502            |
|                |                    | S/T   | 0.33             | 0.39             | 0.44             | 0.44             | 0.50             | 0.35             | 0.41             | 0.47             | 0.47             | 0.53             | 0.37             | 0.43             | 0.49             | 0.49             | 0.56             | 0.39             | 0.46             | 0.52             | 0.52             | 0.60             |
|                |                    | PI    | 0.44             | 0.44             | 0.44             | 0.44             | 0.44             | 0.47             | 0.47             | 0.47             | 0.47             | 0.47             | 0.49             | 0.50             | 0.50             | 0.50             | 0.50             | 0.52             | 0.53             | 0.53             | 0.53             | 0.53             |
|                | 35°F<br>1.7°C      | TC    | 12456            | 12473            | 12486            | 12487            | 12503            | 13207            | 13222            | 13235            | 13238            | 13254            | 13996            | 14014            | 14029            | 14032            | 14048            | 14839            | 14855            | 14871            | 14873            | 14892            |
|                |                    | S/T   | 0.33             | 0.39             | 0.44             | 0.44             | 0.50             | 0.35             | 0.41             | 0.47             | 0.47             | 0.53             | 0.37             | 0.44             | 0.50             | 0.50             | 0.57             | 0.39             | 0.46             | 0.53             | 0.53             | 0.60             |
|                |                    | PI    | 0.45             | 0.45             | 0.45             | 0.45             | 0.46             | 0.48             | 0.48             | 0.48             | 0.48             | 0.48             | 0.51             | 0.51             | 0.51             | 0.51             | 0.51             | 0.54             | 0.54             | 0.54             | 0.54             | 0.54             |
|                | 41°F<br>5°C        | TC    | 12292            | 12309            | 12322            | 12323            | 12339            | 13033            | 13048            | 13061            | 13064            | 13079            | 13812            | 13830            | 13845            | 13848            | 13863            | 14644            | 14660            | 14676            | 14678            | 14696            |
|                |                    | S/T   | 0.33             | 0.39             | 0.44             | 0.44             | 0.50             | 0.35             | 0.41             | 0.47             | 0.47             | 0.53             | 0.37             | 0.44             | 0.50             | 0.50             | 0.57             | 0.39             | 0.46             | 0.53             | 0.53             | 0.60             |
|                |                    | PI    | 0.49             | 0.49             | 0.49             | 0.49             | 0.49             | 0.52             | 0.52             | 0.52             | 0.52             | 0.52             | 0.55             | 0.55             | 0.55             | 0.55             | 0.55             | 0.58             | 0.58             | 0.58             | 0.58             | 0.58             |
|                | 47°F<br>8.3°C      | TC    | 12129            | 12145            | 12158            | 12159            | 12175            | 12860            | 12875            | 12888            | 12890            | 12905            | 13628            | 13646            | 13661            | 13663            | 13679            | 14449            | 14465            | 14480            | 14483            | 14501            |
|                |                    | S/T   | 0.33             | 0.39             | 0.44             | 0.44             | 0.51             | 0.35             | 0.41             | 0.47             | 0.47             | 0.54             | 0.37             | 0.44             | 0.50             | 0.50             | 0.57             | 0.40             | 0.46             | 0.53             | 0.53             | 0.60             |
|                |                    | PI    | 0.52             | 0.52             | 0.53             | 0.53             | 0.53             | 0.56             | 0.56             | 0.56             | 0.56             | 0.56             | 0.59             | 0.59             | 0.59             | 0.59             | 0.59             | 0.62             | 0.63             | 0.63             | 0.63             | 0.63             |
|                | 50°F<br>10°C       | TC    | 12259            | 12275            | 12289            | 12289            | 12306            | 12998            | 13013            | 13026            | 13028            | 13044            | 13774            | 13792            | 13807            | 13810            | 13825            | 14604            | 14620            | 14636            | 14638            | 14656            |
|                |                    | S/T   | 0.33             | 0.39             | 0.45             | 0.45             | 0.51             | 0.35             | 0.42             | 0.47             | 0.47             | 0.54             | 0.38             | 0.44             | 0.50             | 0.50             | 0.57             | 0.40             | 0.47             | 0.53             | 0.53             | 0.61             |
|                |                    | PI    | 0.54             | 0.54             | 0.54             | 0.54             | 0.54             | 0.57             | 0.57             | 0.57             | 0.57             | 0.57             | 0.61             | 0.61             | 0.61             | 0.61             | 0.61             | 0.64             | 0.64             | 0.64             | 0.64             | 0.64             |
|                | 59°F<br>15°C       | TC    | 12650            | 12667            | 12680            | 12681            | 12698            | 13412            | 13428            | 13441            | 13444            | 13460            | 14213            | 14232            | 14247            | 14250            | 14266            | 15069            | 15086            | 15102            | 15105            | 15123            |
|                |                    | S/T   | 0.34             | 0.39             | 0.45             | 0.45             | 0.51             | 0.36             | 0.42             | 0.47             | 0.47             | 0.54             | 0.38             | 0.44             | 0.50             | 0.50             | 0.57             | 0.40             | 0.47             | 0.53             | 0.53             | 0.61             |
|                |                    | PI    | 0.58             | 0.58             | 0.58             | 0.58             | 0.58             | 0.62             | 0.62             | 0.62             | 0.62             | 0.62             | 0.65             | 0.65             | 0.66             | 0.66             | 0.66             | 0.69             | 0.69             | 0.69             | 0.69             | 0.70             |
|                | 68°F<br>20°C       | TC    | 13040            | 13058            | 13072            | 13072            | 13090            | 13826            | 13842            | 13856            | 13859            | 13875            | 14652            | 14671            | 14687            | 14690            | 14707            | 15535            | 15552            | 15569            | 15571            | 15591            |
|                |                    | S/T   | 0.34             | 0.40             | 0.46             | 0.46             | 0.52             | 0.37             | 0.43             | 0.49             | 0.49             | 0.56             | 0.39             | 0.45             | 0.52             | 0.52             | 0.59             | 0.41             | 0.48             | 0.55             | 0.55             | 0.62             |
|                |                    | PI    | 0.62             | 0.63             | 0.63             | 0.63             | 0.63             | 0.66             | 0.66             | 0.66             | 0.66             | 0.66             | 0.70             | 0.70             | 0.70             | 0.70             | 0.70             | 0.74             | 0.74             | 0.75             | 0.75             | 0.75             |
|                | 77°F<br>25°C       | TC    | 13431            | 13449            | 13463            | 13464            | 13482            | 14240            | 14257            | 14271            | 14274            | 14291            | 15091            | 15111            | 15127            | 15130            | 15147            | 16000            | 16018            | 16035            | 16038            | 16058            |
|                |                    | S/T   | 0.35             | 0.41             | 0.47             | 0.47             | 0.53             | 0.37             | 0.43             | 0.49             | 0.49             | 0.56             | 0.39             | 0.46             | 0.52             | 0.52             | 0.60             | 0.42             | 0.49             | 0.55             | 0.55             | 0.63             |
|                |                    | PI    | 0.67             | 0.67             | 0.67             | 0.67             | 0.67             | 0.71             | 0.71             | 0.71             | 0.71             | 0.71             | 0.75             | 0.75             | 0.75             | 0.75             | 0.75             | 0.80             | 0.80             | 0.80             | 0.80             | 0.80             |
|                | 82°F<br>27.8°C     | TC    | 13293            | 13311            | 13325            | 13326            | 13344            | 14094            | 14111            | 14125            | 14128            | 14144            | 14936            | 14956            | 14972            | 14975            | 14992            | 15836            | 15853            | 15871            | 15873            | 15893            |
|                |                    | S/T   | 0.35             | 0.42             | 0.47             | 0.47             | 0.54             | 0.38             | 0.44             | 0.50             | 0.50             | 0.57             | 0.40             | 0.47             | 0.53             | 0.53             | 0.60             | 0.42             | 0.49             | 0.56             | 0.56             | 0.64             |
|                |                    | PI    | 0.72             | 0.72             | 0.72             | 0.72             | 0.73             | 0.77             | 0.77             | 0.77             | 0.77             | 0.77             | 0.81             | 0.81             | 0.81             | 0.81             | 0.82             | 0.86             | 0.86             | 0.86             | 0.86             | 0.86             |
|                | 86°F<br>30°C       | TC    | 12735            | 12752            | 12766            | 12767            | 12784            | 13503            | 13519            | 13532            | 13535            | 13551            | 14310            | 14328            | 14344            | 14347            | 14363            | 15172            | 15188            | 15205            | 15207            | 15226            |
|                |                    | S/T   | 0.36             | 0.42             | 0.48             | 0.48             | 0.54             | 0.38             | 0.45             | 0.51             | 0.51             | 0.58             | 0.40             | 0.47             | 0.54             | 0.54             | 0.61             | 0.43             | 0.50             | 0.57             | 0.57             | 0.65             |
|                |                    | PI    | 0.81             | 0.81             | 0.81             | 0.81             | 0.81             | 0.86             | 0.86             | 0.86             | 0.86             | 0.86             | 0.91             | 0.91             | 0.91             | 0.91             | 0.91             | 0.96             | 0.96             | 0.96             | 0.96             | 0.9              |

Table 17 – High Wall Cooling Performance (18K) (Continued)

| Airflow<br>CFM | Out-<br>door<br>DB | ID WB | 60.8°F (16.0°C)  |                  |                  |                  |                  | 64.4°F (16.0°C)  |                  |                  |                  |                  | 67.0°F (19.4°C)  |                  |                  |                  |                  | 71.6°F (22.0°C)  |                  |                  |                  |                  |
|----------------|--------------------|-------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
|                |                    | ID DB | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C |
| 376            | -22°F<br>30°C      | TC    | 11079            | 11094            | 11106            | 11106            | 11121            | 11747            | 11761            | 11772            | 11775            | 11789            | 12449            | 12465            | 12479            | 12481            | 12495            | 13199            | 13213            | 13227            | 13229            | 13246            |
|                |                    | S/T   | 0.39             | 0.46             | 0.52             | 0.52             | 0.59             | 0.41             | 0.48             | 0.55             | 0.55             | 0.63             | 0.44             | 0.51             | 0.58             | 0.58             | 0.67             | 0.46             | 0.54             | 0.62             | 0.62             | 0.71             |
|                |                    | PI    | 0.44             | 0.44             | 0.44             | 0.44             | 0.44             | 0.47             | 0.47             | 0.47             | 0.47             | 0.47             | 0.50             | 0.50             | 0.50             | 0.50             | 0.50             | 0.53             | 0.53             | 0.53             | 0.53             | 0.53             |
|                | -13°F<br>25°C      | TC    | 12002            | 12018            | 12031            | 12032            | 12048            | 12726            | 12741            | 12753            | 12756            | 12771            | 13486            | 13503            | 13518            | 13521            | 13536            | 14298            | 14314            | 14330            | 14332            | 14350            |
|                |                    | S/T   | 0.39             | 0.46             | 0.52             | 0.52             | 0.60             | 0.42             | 0.49             | 0.55             | 0.55             | 0.63             | 0.44             | 0.52             | 0.59             | 0.59             | 0.67             | 0.47             | 0.55             | 0.62             | 0.62             | 0.71             |
|                |                    | PI    | 0.48             | 0.48             | 0.48             | 0.48             | 0.48             | 0.51             | 0.51             | 0.51             | 0.51             | 0.51             | 0.54             | 0.54             | 0.54             | 0.54             | 0.54             | 0.57             | 0.57             | 0.57             | 0.57             | 0.57             |
|                | -4°F<br>20°C       | TC    | 12926            | 12943            | 12957            | 12957            | 12975            | 13705            | 13721            | 13734            | 13737            | 13753            | 14523            | 14542            | 14558            | 14561            | 14577            | 15398            | 15415            | 15432            | 15434            | 15453            |
|                |                    | S/T   | 0.39             | 0.46             | 0.53             | 0.53             | 0.60             | 0.42             | 0.49             | 0.56             | 0.56             | 0.64             | 0.44             | 0.52             | 0.59             | 0.59             | 0.67             | 0.47             | 0.55             | 0.63             | 0.63             | 0.71             |
|                |                    | PI    | 0.51             | 0.52             | 0.52             | 0.52             | 0.52             | 0.55             | 0.55             | 0.55             | 0.55             | 0.55             | 0.58             | 0.58             | 0.58             | 0.58             | 0.58             | 0.61             | 0.61             | 0.61             | 0.61             | 0.62             |
|                | 0°F<br>17.8°C      | TC    | 13336            | 13354            | 13368            | 13369            | 13387            | 14140            | 14156            | 14170            | 14173            | 14190            | 14984            | 15004            | 15021            | 15023            | 15040            | 15887            | 15904            | 15922            | 15924            | 15944            |
|                |                    | S/T   | 0.40             | 0.46             | 0.53             | 0.53             | 0.60             | 0.42             | 0.49             | 0.56             | 0.56             | 0.64             | 0.44             | 0.52             | 0.59             | 0.59             | 0.68             | 0.47             | 0.55             | 0.63             | 0.63             | 0.72             |
|                |                    | PI    | 0.53             | 0.53             | 0.53             | 0.53             | 0.53             | 0.56             | 0.56             | 0.56             | 0.56             | 0.56             | 0.60             | 0.60             | 0.60             | 0.60             | 0.60             | 0.63             | 0.63             | 0.63             | 0.63             | 0.63             |
|                | 5°F<br>15°C        | TC    | 13849            | 13867            | 13882            | 13883            | 13902            | 14683            | 14701            | 14715            | 14718            | 14736            | 15561            | 15581            | 15598            | 15601            | 15619            | 16498            | 16516            | 16534            | 16537            | 16557            |
|                |                    | S/T   | 0.40             | 0.47             | 0.53             | 0.53             | 0.60             | 0.42             | 0.49             | 0.56             | 0.56             | 0.64             | 0.45             | 0.52             | 0.60             | 0.60             | 0.68             | 0.47             | 0.56             | 0.63             | 0.63             | 0.72             |
|                |                    | PI    | 0.55             | 0.55             | 0.55             | 0.55             | 0.55             | 0.58             | 0.59             | 0.59             | 0.59             | 0.59             | 0.62             | 0.62             | 0.62             | 0.62             | 0.62             | 0.66             | 0.66             | 0.66             | 0.66             | 0.66             |
|                | 14°F<br>10°C       | TC    | 14418            | 14438            | 14453            | 14454            | 14473            | 15287            | 15305            | 15320            | 15323            | 15342            | 16201            | 16222            | 16240            | 16243            | 16261            | 17177            | 17195            | 17214            | 17217            | 17238            |
|                |                    | S/T   | 0.40             | 0.47             | 0.53             | 0.53             | 0.61             | 0.42             | 0.50             | 0.56             | 0.56             | 0.64             | 0.45             | 0.53             | 0.60             | 0.60             | 0.68             | 0.47             | 0.56             | 0.63             | 0.63             | 0.72             |
|                |                    | PI    | 0.53             | 0.54             | 0.54             | 0.54             | 0.54             | 0.54             | 0.57             | 0.57             | 0.57             | 0.57             | 0.60             | 0.60             | 0.60             | 0.60             | 0.60             | 0.64             | 0.64             | 0.64             | 0.64             | 0.64             |
|                | 17°F<br>10°C       | TC    | 14608            | 14628            | 14644            | 14644            | 14664            | 15488            | 15507            | 15522            | 15525            | 15544            | 16414            | 16435            | 16453            | 16457            | 16475            | 17403            | 17422            | 17441            | 17443            | 17465            |
|                |                    | S/T   | 0.40             | 0.47             | 0.53             | 0.53             | 0.61             | 0.42             | 0.50             | 0.57             | 0.57             | 0.64             | 0.45             | 0.53             | 0.60             | 0.60             | 0.68             | 0.48             | 0.56             | 0.64             | 0.64             | 0.72             |
|                |                    | PI    | 0.53             | 0.53             | 0.53             | 0.53             | 0.53             | 0.56             | 0.56             | 0.56             | 0.56             | 0.56             | 0.59             | 0.60             | 0.60             | 0.60             | 0.60             | 0.63             | 0.63             | 0.63             | 0.63             | 0.63             |
|                | 23°F<br>5°C        | TC    | 14807            | 14827            | 14843            | 14844            | 14864            | 15700            | 15718            | 15734            | 15737            | 15756            | 16638            | 16659            | 16678            | 16681            | 16700            | 17640            | 17659            | 17679            | 17681            | 17703            |
|                |                    | S/T   | 0.40             | 0.47             | 0.54             | 0.54             | 0.61             | 0.43             | 0.50             | 0.57             | 0.57             | 0.65             | 0.45             | 0.53             | 0.60             | 0.60             | 0.69             | 0.48             | 0.56             | 0.64             | 0.64             | 0.73             |
|                |                    | PI    | 0.54             | 0.54             | 0.54             | 0.54             | 0.54             | 0.54             | 0.57             | 0.57             | 0.57             | 0.57             | 0.60             | 0.60             | 0.60             | 0.61             | 0.61             | 0.61             | 0.64             | 0.64             | 0.64             | 0.64             |
|                | 35°F<br>1.7°C      | TC    | 15206            | 15227            | 15243            | 15244            | 15264            | 16123            | 16142            | 16158            | 16161            | 16180            | 17086            | 17108            | 17127            | 17130            | 17149            | 18115            | 18135            | 18155            | 18157            | 18180            |
|                |                    | S/T   | 0.40             | 0.47             | 0.54             | 0.54             | 0.61             | 0.43             | 0.50             | 0.57             | 0.57             | 0.65             | 0.45             | 0.53             | 0.61             | 0.61             | 0.69             | 0.48             | 0.56             | 0.64             | 0.64             | 0.73             |
|                |                    | PI    | 0.55             | 0.55             | 0.55             | 0.55             | 0.56             | 0.59             | 0.59             | 0.59             | 0.59             | 0.59             | 0.62             | 0.62             | 0.62             | 0.62             | 0.62             | 0.66             | 0.66             | 0.66             | 0.66             | 0.66             |
|                | 41°F<br>5°C        | TC    | 15006            | 15027            | 15043            | 15043            | 15064            | 15911            | 15930            | 15945            | 15948            | 15967            | 16861            | 16883            | 16902            | 16905            | 16924            | 17877            | 17897            | 17916            | 17919            | 17941            |
|                |                    | S/T   | 0.40             | 0.47             | 0.54             | 0.54             | 0.62             | 0.43             | 0.50             | 0.57             | 0.57             | 0.65             | 0.45             | 0.53             | 0.61             | 0.61             | 0.69             | 0.48             | 0.57             | 0.64             | 0.64             | 0.73             |
|                |                    | PI    | 0.60             | 0.60             | 0.60             | 0.60             | 0.60             | 0.63             | 0.63             | 0.63             | 0.63             | 0.63             | 0.67             | 0.67             | 0.67             | 0.67             | 0.67             | 0.71             | 0.71             | 0.71             | 0.71             | 0.71             |
|                | 47°F<br>8.3°C      | TC    | 14807            | 14827            | 14843            | 14843            | 14863            | 15699            | 15718            | 15733            | 15736            | 15755            | 16637            | 16659            | 16677            | 16680            | 16699            | 17639            | 17658            | 17678            | 17680            | 17702            |
|                |                    | S/T   | 0.41             | 0.48             | 0.54             | 0.54             | 0.62             | 0.43             | 0.50             | 0.57             | 0.57             | 0.65             | 0.46             | 0.54             | 0.61             | 0.61             | 0.69             | 0.48             | 0.57             | 0.64             | 0.64             | 0.73             |
|                |                    | PI    | 0.64             | 0.64             | 0.64             | 0.64             | 0.64             | 0.68             | 0.68             | 0.68             | 0.68             | 0.68             | 0.72             | 0.72             | 0.72             | 0.72             | 0.72             | 0.76             | 0.76             | 0.76             | 0.76             | 0.77             |
|                | 50°F<br>10°C       | TC    | 14966            | 14986            | 15002            | 15003            | 15023            | 15868            | 15886            | 15902            | 15905            | 15924            | 16816            | 16837            | 16856            | 16859            | 16878            | 17829            | 17848            | 17868            | 17870            | 17893            |
|                |                    | S/T   | 0.41             | 0.48             | 0.54             | 0.54             | 0.62             | 0.43             | 0.51             | 0.58             | 0.58             | 0.66             | 0.46             | 0.54             | 0.61             | 0.61             | 0.70             | 0.49             | 0.57             | 0.65             | 0.65             | 0.74             |
|                |                    | PI    | 0.66             | 0.66             | 0.66             | 0.66             | 0.66             | 0.70             | 0.70             | 0.70             | 0.70             | 0.70             | 0.74             | 0.74             | 0.74             | 0.74             | 0.74             | 0.78             | 0.78             | 0.78             | 0.79             | 0.79             |
|                | 59°F<br>15°C       | TC    | 15443            | 15463            | 15480            | 15481            | 15502            | 16373            | 16393            | 16409            | 16412            | 16431            | 17351            | 17374            | 17393            | 17397            | 17416            | 18397            | 18417            | 18437            | 18440            | 18463            |
|                |                    | S/T   | 0.41             | 0.48             | 0.55             | 0.55             | 0.62             | 0.43             | 0.51             | 0.58             | 0.58             | 0.66             | 0.46             | 0.54             | 0.61             | 0.61             | 0.70             | 0.49             | 0.57             | 0.65             | 0.65             | 0.74             |
|                |                    | PI    | 0.71             | 0.71             | 0.71             | 0.71             | 0.71             | 0.75             | 0.75             | 0.75             | 0.75             | 0.76             | 0.80             | 0.80             | 0.80             | 0.80             | 0.80             | 0.85             | 0.85             | 0.85             | 0.85             | 0.85             |
|                | 68°F<br>20°C       | TC    | 15919            | 15941            | 15958            | 15959            | 15980            | 16879            | 16899            | 16916            | 16919            | 16939            | 17887            | 17911            | 17930            | 17934            | 17954            | 18965            | 18986            | 19006            | 19009            | 19033            |
|                |                    | S/T   | 0.42             | 0.49             | 0.56             | 0.56             | 0.64             | 0.45             | 0.52             | 0.60             | 0.60             | 0.68             | 0.47             | 0.56             | 0.63             | 0.63             | 0.72             | 0.50             | 0.59             | 0.67             | 0.67             | 0.76             |
|                |                    | PI    | 0.76             | 0.76             | 0.76             | 0.76             | 0.77             | 0.81             | 0.81             | 0.81             | 0.81             | 0.81             | 0.86             | 0.86             | 0.86             | 0.86             | 0.86             | 0.91             | 0.91             | 0.91             | 0.91             | 0.91             |
|                | 77°F<br>25°C       | TC    | 16396            | 16418            | 16436            | 16437            | 16459            | 17385            | 17405            | 17422            | 17426            | 17446            | 18423            | 18447            | 18468            | 18471            | 18492            | 19533            | 19554            | 19576            | 19579            | 19603            |
|                |                    | S/T   | 0.43             | 0.50             | 0.57             | 0.57             | 0.65             | 0.45             | 0.53             | 0.60             | 0.60             | 0.69             | 0.48             | 0.56             | 0.64             | 0.64             | 0.73             | 0.51             | 0.60             | 0.68             | 0.68             | 0.77             |
|                |                    | PI    | 0.81             | 0.82             | 0.82             | 0.82             | 0.82             | 0.86             | 0.87             | 0.87             | 0.87             | 0.87             | 0.92             | 0.92             | 0.92             | 0.92             | 0.92             | 0.97             | 0.97             | 0.97             | 0.97             | 0.97             |
|                | 82°F<br>27.8°C     | TC    | 16228            | 16250            | 16268            | 16268            | 16290            | 17206            | 17227            | 17244            | 17247            | 17268            | 18234            | 18258            | 18278            | 18282            | 18302            | 19333            | 19354            | 19375            | 19378            | 19402            |
|                |                    | S/T   | 0.43             | 0.51             | 0.58             | 0.58             | 0.66             | 0.46             | 0.54             | 0.61             | 0.61             | 0.70             | 0.49             | 0.57             | 0.65             | 0.65             | 0.74             | 0.51             | 0.60             | 0.69             | 0.69             | 0.78             |
|                |                    | PI    | 0.88             | 0.88             | 0.89             | 0.89             | 0.89             | 0.94             | 0.94             | 0.94             | 0.94             | 0.94             | 0.99             | 0.99             | 0.99             | 0.99             | 0.99             | 1.00             | 1.05             | 1.05             | 1.05             | 1.06             |
|                | 86°F<br>30°C       | TC    | 15547            | 15568            | 15585            | 15586            | 15607            | 16484            | 16504            | 16520            | 16523            | 16543            | 17469            | 17492            | 17511            | 17515            | 17534            | 18522            | 18542            | 18562            | 18565            | 18588            |
|                |                    | S/T   | 0.44             | 0.51             | 0.58             | 0.58             | 0.66             | 0.46             | 0.54             | 0.62             | 0.62             | 0.70             | 0.49             | 0.58             | 0.66             | 0.66             | 0.75             | 0.52             | 0.61             | 0.69             | 0.69             | 0.79             |
|                |                    | PI    | 0.99             | 0.99             | 0.99             | 0.99             | 0.99             | 1.05             | 1.05             | 1.05             | 1.05             | 1.05             | 1.11             | 1.11             | 1.11             | 1.11             | 1.11             | 1.17             | 1.18             | 1.18</           |                  |                  |

Table 17 – High Wall Cooling Performance (18K) (Continued)

| Airflow<br>CFM | Out-<br>door<br>DB | ID WB | 60.8°F (16.0°C)  |                  |                  |                  |                  | 64.4°F (16.0°C)  |                  |                  |                  |                  | 67.0°F (19.4°C)  |                  |                  |                  |                  | 71.6°F (22.0°C)  |                  |                  |                  |                  |
|----------------|--------------------|-------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
|                |                    | ID DB | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C |
| 441            | -22°F<br>30°C      | TC    | 13525            | 13544            | 13558            | 13559            | 13577            | 14340            | 14357            | 14372            | 14374            | 14392            | 15197            | 15217            | 15234            | 15237            | 15254            | 16113            | 16130            | 16148            | 16150            | 16171            |
|                |                    | S/T   | 0.48             | 0.56             | 0.63             | 0.63             | 0.72             | 0.50             | 0.59             | 0.67             | 0.67             | 0.77             | 0.53             | 0.63             | 0.71             | 0.71             | 0.81             | 0.57             | 0.67             | 0.76             | 0.76             | 0.86             |
|                |                    | PI    | 0.54             | 0.54             | 0.54             | 0.54             | 0.54             | 0.57             | 0.57             | 0.57             | 0.57             | 0.57             | 0.60             | 0.61             | 0.61             | 0.61             | 0.61             | 0.64             | 0.64             | 0.64             | 0.64             | 0.64             |
|                | -13°F<br>25°C      | TC    | 14652            | 14672            | 14688            | 14689            | 14708            | 15535            | 15554            | 15569            | 15572            | 15591            | 16464            | 16485            | 16503            | 16506            | 16525            | 17456            | 17475            | 17494            | 17496            | 17518            |
|                |                    | S/T   | 0.48             | 0.56             | 0.64             | 0.64             | 0.73             | 0.51             | 0.60             | 0.68             | 0.68             | 0.77             | 0.54             | 0.63             | 0.72             | 0.72             | 0.82             | 0.57             | 0.67             | 0.76             | 0.76             | 0.87             |
|                |                    | PI    | 0.58             | 0.58             | 0.58             | 0.58             | 0.59             | 0.62             | 0.62             | 0.62             | 0.62             | 0.62             | 0.66             | 0.66             | 0.66             | 0.66             | 0.66             | 0.69             | 0.70             | 0.70             | 0.70             | 0.70             |
|                | -4°F<br>20°C       | TC    | 15780            | 15801            | 15818            | 15819            | 15840            | 16731            | 16750            | 16767            | 16770            | 16790            | 17730            | 17753            | 17773            | 17776            | 17796            | 18798            | 18819            | 18839            | 18842            | 18866            |
|                |                    | S/T   | 0.48             | 0.57             | 0.64             | 0.64             | 0.73             | 0.51             | 0.60             | 0.68             | 0.68             | 0.78             | 0.54             | 0.64             | 0.72             | 0.72             | 0.82             | 0.57             | 0.67             | 0.77             | 0.77             | 0.87             |
|                |                    | PI    | 0.63             | 0.63             | 0.63             | 0.63             | 0.63             | 0.67             | 0.67             | 0.67             | 0.67             | 0.67             | 0.71             | 0.71             | 0.71             | 0.71             | 0.71             | 0.75             | 0.75             | 0.75             | 0.75             | 0.75             |
|                | 0°F<br>17.8°C      | TC    | 16280            | 16302            | 16320            | 16321            | 16343            | 17262            | 17282            | 17299            | 17303            | 17323            | 18293            | 18317            | 18337            | 18341            | 18361            | 19395            | 19416            | 19437            | 19440            | 19465            |
|                |                    | S/T   | 0.48             | 0.57             | 0.64             | 0.64             | 0.73             | 0.51             | 0.60             | 0.68             | 0.68             | 0.78             | 0.54             | 0.64             | 0.72             | 0.72             | 0.83             | 0.58             | 0.68             | 0.77             | 0.77             | 0.88             |
|                |                    | PI    | 0.65             | 0.65             | 0.65             | 0.65             | 0.65             | 0.69             | 0.69             | 0.69             | 0.69             | 0.69             | 0.73             | 0.73             | 0.73             | 0.73             | 0.73             | 0.77             | 0.77             | 0.77             | 0.77             | 0.77             |
|                | 5°F<br>15°C        | TC    | 16907            | 16929            | 16948            | 16948            | 16971            | 17926            | 17947            | 17965            | 17968            | 17989            | 18996            | 19021            | 19042            | 19046            | 19067            | 20141            | 20163            | 20185            | 20188            | 20213            |
|                |                    | S/T   | 0.49             | 0.57             | 0.65             | 0.65             | 0.74             | 0.51             | 0.60             | 0.69             | 0.69             | 0.78             | 0.55             | 0.64             | 0.73             | 0.73             | 0.83             | 0.58             | 0.68             | 0.77             | 0.77             | 0.88             |
|                |                    | PI    | 0.67             | 0.67             | 0.67             | 0.67             | 0.68             | 0.71             | 0.71             | 0.72             | 0.72             | 0.72             | 0.76             | 0.76             | 0.76             | 0.76             | 0.76             | 0.80             | 0.80             | 0.80             | 0.80             | 0.80             |
|                | 14°F<br>10°C       | TC    | 17602            | 17626            | 17645            | 17645            | 17669            | 18663            | 18685            | 18703            | 18707            | 18729            | 19778            | 19803            | 19825            | 19829            | 19851            | 20969            | 20992            | 21015            | 21018            | 21044            |
|                |                    | S/T   | 0.49             | 0.57             | 0.65             | 0.65             | 0.74             | 0.52             | 0.61             | 0.69             | 0.69             | 0.78             | 0.55             | 0.64             | 0.73             | 0.73             | 0.83             | 0.58             | 0.68             | 0.77             | 0.77             | 0.88             |
|                |                    | PI    | 0.65             | 0.65             | 0.65             | 0.65             | 0.66             | 0.69             | 0.69             | 0.69             | 0.69             | 0.69             | 0.73             | 0.73             | 0.74             | 0.74             | 0.74             | 0.78             | 0.78             | 0.78             | 0.78             | 0.78             |
|                | 17°F<br>10°C       | TC    | 17834            | 17858            | 17877            | 17878            | 17902            | 18908            | 18931            | 18949            | 18953            | 18976            | 20038            | 20064            | 20086            | 20090            | 20113            | 21245            | 21268            | 21292            | 21295            | 21321            |
|                |                    | S/T   | 0.49             | 0.57             | 0.65             | 0.65             | 0.74             | 0.52             | 0.61             | 0.69             | 0.69             | 0.79             | 0.55             | 0.64             | 0.73             | 0.73             | 0.83             | 0.58             | 0.68             | 0.78             | 0.78             | 0.88             |
|                |                    | PI    | 0.65             | 0.65             | 0.65             | 0.65             | 0.65             | 0.69             | 0.69             | 0.69             | 0.69             | 0.69             | 0.73             | 0.73             | 0.73             | 0.73             | 0.73             | 0.77             | 0.77             | 0.77             | 0.77             | 0.77             |
|                | 23°F<br>5°C        | TC    | 18077            | 18101            | 18121            | 18122            | 18146            | 19166            | 19189            | 19208            | 19212            | 19235            | 20311            | 20338            | 20361            | 20364            | 20387            | 21535            | 21559            | 21582            | 21586            | 21612            |
|                |                    | S/T   | 0.49             | 0.58             | 0.65             | 0.65             | 0.75             | 0.52             | 0.61             | 0.69             | 0.69             | 0.79             | 0.55             | 0.65             | 0.74             | 0.74             | 0.84             | 0.58             | 0.69             | 0.78             | 0.78             | 0.89             |
|                |                    | PI    | 0.66             | 0.66             | 0.66             | 0.66             | 0.66             | 0.70             | 0.70             | 0.70             | 0.70             | 0.70             | 0.74             | 0.74             | 0.74             | 0.74             | 0.74             | 0.78             | 0.78             | 0.78             | 0.78             | 0.78             |
|                | 35°F<br>1.7°C      | TC    | 18564            | 18589            | 18609            | 18610            | 18635            | 19682            | 19706            | 19725            | 19729            | 19753            | 20858            | 20885            | 20909            | 20913            | 20936            | 22115            | 22139            | 22163            | 22167            | 22194            |
|                |                    | S/T   | 0.49             | 0.58             | 0.66             | 0.66             | 0.75             | 0.52             | 0.61             | 0.70             | 0.70             | 0.79             | 0.55             | 0.65             | 0.74             | 0.74             | 0.84             | 0.59             | 0.69             | 0.78             | 0.78             | 0.89             |
|                |                    | PI    | 0.68             | 0.68             | 0.68             | 0.68             | 0.68             | 0.72             | 0.72             | 0.72             | 0.72             | 0.72             | 0.76             | 0.76             | 0.76             | 0.76             | 0.76             | 0.80             | 0.81             | 0.81             | 0.81             | 0.81             |
|                | 41°F<br>5°C        | TC    | 18320            | 18344            | 18364            | 18365            | 18390            | 19424            | 19447            | 19466            | 19470            | 19493            | 20584            | 20611            | 20634            | 20638            | 20661            | 21825            | 21848            | 21872            | 21876            | 21903            |
|                |                    | S/T   | 0.49             | 0.58             | 0.66             | 0.66             | 0.75             | 0.52             | 0.61             | 0.70             | 0.70             | 0.80             | 0.56             | 0.65             | 0.74             | 0.74             | 0.84             | 0.59             | 0.69             | 0.78             | 0.78             | 0.89             |
|                |                    | PI    | 0.73             | 0.73             | 0.73             | 0.73             | 0.73             | 0.77             | 0.77             | 0.77             | 0.77             | 0.78             | 0.82             | 0.82             | 0.82             | 0.82             | 0.82             | 0.87             | 0.87             | 0.87             | 0.87             | 0.87             |
|                | 47°F<br>8.3°C      | TC    | 18076            | 18100            | 18120            | 18121            | 18145            | 19165            | 19188            | 19207            | 19211            | 19234            | 20310            | 20337            | 20359            | 20363            | 20386            | 21534            | 21558            | 21581            | 21584            | 21611            |
|                |                    | S/T   | 0.50             | 0.58             | 0.66             | 0.66             | 0.75             | 0.53             | 0.62             | 0.70             | 0.70             | 0.80             | 0.56             | 0.65             | 0.74             | 0.74             | 0.85             | 0.59             | 0.69             | 0.79             | 0.79             | 0.90             |
|                |                    | PI    | 0.78             | 0.78             | 0.78             | 0.78             | 0.78             | 0.83             | 0.83             | 0.83             | 0.83             | 0.83             | 0.88             | 0.88             | 0.88             | 0.88             | 0.88             | 0.93             | 0.93             | 0.93             | 0.93             | 0.93             |
|                | 50°F<br>10°C       | TC    | 18270            | 18295            | 18314            | 18315            | 18340            | 19371            | 19394            | 19413            | 19417            | 19440            | 20528            | 20555            | 20578            | 20582            | 20605            | 21765            | 21789            | 21813            | 21816            | 21843            |
|                |                    | S/T   | 0.50             | 0.58             | 0.66             | 0.66             | 0.76             | 0.53             | 0.62             | 0.70             | 0.70             | 0.80             | 0.56             | 0.66             | 0.75             | 0.75             | 0.85             | 0.59             | 0.70             | 0.79             | 0.79             | 0.90             |
|                |                    | PI    | 0.80             | 0.80             | 0.80             | 0.80             | 0.81             | 0.85             | 0.85             | 0.85             | 0.85             | 0.85             | 0.90             | 0.90             | 0.90             | 0.90             | 0.91             | 0.96             | 0.96             | 0.96             | 0.96             | 0.96             |
|                | 59°F<br>15°C       | TC    | 18852            | 18878            | 18898            | 18899            | 18924            | 19988            | 20012            | 20032            | 20036            | 20060            | 21183            | 21210            | 21234            | 21238            | 21261            | 22459            | 22483            | 22508            | 22511            | 22539            |
|                |                    | S/T   | 0.50             | 0.59             | 0.67             | 0.67             | 0.76             | 0.53             | 0.62             | 0.71             | 0.71             | 0.81             | 0.56             | 0.66             | 0.75             | 0.75             | 0.86             | 0.60             | 0.70             | 0.80             | 0.80             | 0.91             |
|                |                    | PI    | 0.87             | 0.87             | 0.87             | 0.87             | 0.87             | 0.92             | 0.92             | 0.92             | 0.92             | 0.92             | 0.97             | 0.98             | 0.98             | 0.98             | 0.98             | 1.03             | 1.03             | 1.03             | 1.03             | 1.04             |
|                | 68°F<br>20°C       | TC    | 19435            | 19461            | 19482            | 19482            | 19509            | 20606            | 20630            | 20651            | 20655            | 20679            | 21837            | 21865            | 21890            | 21894            | 21918            | 23153            | 23178            | 23203            | 23207            | 23235            |
|                |                    | S/T   | 0.51             | 0.60             | 0.69             | 0.69             | 0.78             | 0.54             | 0.64             | 0.73             | 0.73             | 0.83             | 0.58             | 0.68             | 0.77             | 0.77             | 0.88             | 0.61             | 0.72             | 0.82             | 0.82             | 0.93             |
|                |                    | PI    | 0.93             | 0.93             | 0.93             | 0.93             | 0.93             | 0.99             | 0.99             | 0.99             | 0.99             | 0.99             | 1.05             | 1.05             | 1.05             | 1.05             | 1.05             | 1.11             | 1.11             | 1.11             | 1.11             | 1.11             |
|                | 77°F<br>25°C       | TC    | 20017            | 20044            | 20065            | 20066            | 20093            | 21223            | 21248            | 21269            | 21273            | 21299            | 22491            | 22520            | 22545            | 22550            | 22575            | 23846            | 23872            | 23898            | 23902            | 23932            |
|                |                    | S/T   | 0.52             | 0.61             | 0.69             | 0.69             | 0.79             | 0.55             | 0.65             | 0.74             | 0.74             | 0.84             | 0.59             | 0.69             | 0.78             | 0.78             | 0.89             | 0.62             | 0.73             | 0.83             | 0.83             | 0.94             |
|                |                    | PI    | 0.99             | 1.00             | 1.00             | 1.00             | 1.00             | 1.05             | 1.06             | 1.06             | 1.06             | 1.06             | 1.12             | 1.12             | 1.12             | 1.12             | 1.12             | 1.19             | 1.19             | 1.19             | 1.19             | 1.19             |
|                | 82°F<br>27.8°C     | TC    | 19811            | 19838            | 19860            | 19860            | 19887            | 21005            | 21030            | 21051            | 21055            | 21080            | 22260            | 22289            | 22314            | 22318            | 22343            | 23602            | 23627            | 23653            | 23657            | 23686            |
|                |                    | S/T   | 0.53             | 0.62             | 0.70             | 0.70             | 0.80             | 0.56             | 0.66             | 0.75             | 0.75             | 0.85             | 0.59             | 0.70             | 0.79             | 0.79             | 0.90             | 0.63             | 0.74             | 0.84             | 0.84             | 0.95             |
|                |                    | PI    | 1.08             | 1.08             | 1.08             | 1.08             | 1.08             | 1.14             | 1.14             | 1.15             | 1.15             | 1.15             | 1.21             | 1.21             | 1.21             | 1.21             | 1.22             | 1.28             | 1.29             | 1.29             | 1.29             | 1.29             |
|                | 86°F<br>30°C       | TC    | 18980            | 19006            | 19026            | 19027            | 19053            | 20124            | 20148            | 20168            | 20172            | 20196            | 21326            | 21354            | 21378            | 21382            | 21406            | 22611            | 22636            | 22660            | 22664            | 22692            |
|                |                    | S/T   | 0.53             | 0.63             | 0.71             | 0.71             | 0.81             | 0.57             | 0.66             | 0.75             | 0.75             | 0.86             | 0.60             | 0.70             | 0.80             | 0.80             | 0.91             | 0.64             | 0.75             | 0.85             | 0.85             | 0.97             |
|                |                    | PI    | 1.20             | 1.21             | 1.21             | 1.21             | 1.21             | 1.28             | 1.28             | 1.28             | 1.28             | 1.28             | 1.35             | 1.35             | 1.36             | 1.36             | 1.36             | 1.43             | 1.44             | 1.44</           |                  |                  |

Table 18 – High Wall Heating Performance (18K)

| AIRFLOW<br>(CFM) | HEATING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE |                                     |                  |                  |                    |                    |                        |                  |                  |                    |                    |
|------------------|----------------------------------------------------|-------------------------------------|------------------|------------------|--------------------|--------------------|------------------------|------------------|------------------|--------------------|--------------------|
|                  | OUTDOOR<br>DB                                      | TC: Total Heating Capacity (BTU/hr) |                  |                  |                    |                    | PI: Power Input (kW)   |                  |                  |                    |                    |
|                  |                                                    | Indoor Conditions (DB)              |                  |                  |                    |                    | Indoor Conditions (DB) |                  |                  |                    |                    |
|                  |                                                    | 60.8°F<br>(16.0°C)                  | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) | 60.8°F<br>(16.0°C)     | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) |
| 176              | -22°F (-30.0°C)                                    | 5071                                | 4969             | 4944             | 4161               | 4124               | 1.85                   | 1.87             | 1.87             | 1.88               | 1.88               |
|                  | -13°F (-25.0°C)                                    | 6641                                | 6508             | 6475             | 5240               | 5193               | 0.00                   | 0.00             | 0.00             | 0.00               | 0.00               |
|                  | -4°F (-20.0°C)                                     | 8483                                | 8314             | 8272             | 6694               | 6634               | 0.00                   | 0.00             | 0.00             | 0.00               | 0.00               |
|                  | 0°F (-17.8°C)                                      | 9263                                | 9078             | 9032             | 7309               | 7243               | 0.93                   | 0.94             | 0.94             | 0.94               | 0.95               |
|                  | 5°F (-15.0°C)                                      | 10237                               | 10032            | 9982             | 8078               | 8005               | 2.09                   | 2.11             | 2.11             | 2.12               | 2.13               |
|                  | 14°F (-10.0°C)                                     | 10175                               | 9972             | 9922             | 8029               | 7957               | 2.33                   | 2.35             | 2.36             | 2.36               | 2.37               |
|                  | 17°F (-8.3°C)                                      | 10154                               | 9951             | 9902             | 8012               | 7940               | 2.41                   | 2.43             | 2.44             | 2.44               | 2.45               |
|                  | 22°F (-5.6°C)                                      | 10117                               | 9914             | 9865             | 7983               | 7911               | 2.29                   | 2.31             | 2.31             | 2.32               | 2.33               |
|                  | 27°F (-2.8°C)                                      | 10079                               | 9877             | 9828             | 7953               | 7881               | 2.17                   | 2.19             | 2.19             | 2.19               | 2.20               |
|                  | 32°F (0.0°C)                                       | 10041                               | 9840             | 9791             | 7923               | 7851               | 2.04                   | 2.06             | 2.06             | 2.07               | 2.08               |
|                  | 35°F (1.7°C)                                       | 10018                               | 9818             | 9769             | 7905               | 7834               | 1.97                   | 1.99             | 1.99             | 1.99               | 2.00               |
|                  | 37°F (2.8°C)                                       | 10251                               | 10046            | 9996             | 8089               | 8016               | 1.94                   | 1.96             | 1.96             | 1.97               | 1.97               |
|                  | 42°F (5.6°C)                                       | 10835                               | 10618            | 10565            | 8549               | 8472               | 1.87                   | 1.89             | 1.89             | 1.89               | 1.90               |
|                  | 44.6°F (7.0°C)                                     | 11068                               | 10847            | 10792            | 8733               | 8655               | 1.84                   | 1.86             | 1.86             | 1.86               | 1.87               |
|                  | 47°F (8.3°C)                                       | 11418                               | 11190            | 11134            | 9009               | 8928               | 1.80                   | 1.81             | 1.82             | 1.82               | 1.83               |
|                  | 52°F (11.1°C)                                      | 11008                               | 10788            | 10734            | 8686               | 8608               | 1.58                   | 1.59             | 1.60             | 1.60               | 1.61               |
|                  | 57°F (13.9°C)                                      | 10598                               | 10386            | 10334            | 8362               | 8287               | 1.36                   | 1.37             | 1.38             | 1.38               | 1.39               |
|                  | 59°F (15.0°C)                                      | 10433                               | 10225            | 10174            | 8233               | 8159               | 1.28                   | 1.29             | 1.29             | 1.29               | 1.30               |
|                  | 62°F (16.7°C)                                      | 10187                               | 9984             | 9934             | 8038               | 7966               | 1.14                   | 1.15             | 1.16             | 1.16               | 1.16               |
|                  | 64.4°F (18.0°C)                                    | 10023                               | 9823             | 9774             | 7909               | 7838               | 1.06                   | 1.07             | 1.07             | 1.07               | 1.07               |
| 318              | -22°F (-30.0°C)                                    | 6313                                | 6187             | 6156             | 5636               | 5585               | 1.87                   | 1.89             | 1.89             | 1.90               | 1.90               |
|                  | -13°F (-25.0°C)                                    | 8107                                | 7945             | 7905             | 7097               | 7033               | 0.00                   | 0.00             | 0.00             | 0.00               | 0.00               |
|                  | -4°F (-20.0°C)                                     | 10356                               | 10149            | 10098            | 9066               | 8984               | 0.00                   | 0.00             | 0.00             | 0.00               | 0.00               |
|                  | 0°F (-17.8°C)                                      | 11308                               | 11082            | 11026            | 9899               | 9810               | 0.94                   | 0.95             | 0.95             | 0.95               | 0.96               |
|                  | 5°F (-15.0°C)                                      | 12498                               | 12248            | 12186            | 10940              | 10842              | 2.11                   | 2.13             | 2.13             | 2.14               | 2.15               |
|                  | 14°F (-10.0°C)                                     | 12422                               | 12173            | 12113            | 10874              | 10776              | 2.36                   | 2.38             | 2.38             | 2.39               | 2.40               |
|                  | 17°F (-8.3°C)                                      | 12397                               | 12149            | 12088            | 10852              | 10754              | 2.44                   | 2.46             | 2.46             | 2.47               | 2.48               |
|                  | 22°F (-5.6°C)                                      | 12350                               | 12103            | 12043            | 10812              | 10714              | 2.31                   | 2.33             | 2.34             | 2.34               | 2.35               |
|                  | 27°F (-2.8°C)                                      | 12304                               | 12058            | 11998            | 10771              | 10674              | 2.19                   | 2.21             | 2.21             | 2.22               | 2.23               |
|                  | 32°F (0.0°C)                                       | 12258                               | 12013            | 11952            | 10730              | 10634              | 2.06                   | 2.08             | 2.09             | 2.09               | 2.10               |
|                  | 35°F (1.7°C)                                       | 12230                               | 11985            | 11925            | 10706              | 10610              | 1.99                   | 2.01             | 2.01             | 2.01               | 2.02               |
|                  | 37°F (2.8°C)                                       | 12515                               | 12265            | 12203            | 10955              | 10857              | 1.96                   | 1.98             | 1.98             | 1.99               | 1.99               |
|                  | 42°F (5.6°C)                                       | 13227                               | 12962            | 12898            | 11579              | 11475              | 1.89                   | 1.90             | 1.91             | 1.91               | 1.92               |
|                  | 44.6°F (7.0°C)                                     | 13512                               | 13242            | 13175            | 11828              | 11722              | 1.86                   | 1.88             | 1.88             | 1.88               | 1.89               |
|                  | 47°F (8.3°C)                                       | 13939                               | 13660            | 13592            | 12202              | 12093              | 1.82                   | 1.83             | 1.84             | 1.84               | 1.85               |
|                  | 52°F (11.1°C)                                      | 13438                               | 13170            | 13104            | 11764              | 11658              | 1.60                   | 1.61             | 1.61             | 1.62               | 1.62               |
|                  | 57°F (13.9°C)                                      | 12938                               | 12679            | 12615            | 11326              | 11224              | 1.38                   | 1.39             | 1.39             | 1.39               | 1.40               |
|                  | 59°F (15.0°C)                                      | 12737                               | 12482            | 12420            | 11150              | 11050              | 1.29                   | 1.30             | 1.30             | 1.30               | 1.31               |
|                  | 62°F (16.7°C)                                      | 12437                               | 12188            | 12127            | 10887              | 10789              | 1.16                   | 1.17             | 1.17             | 1.17               | 1.18               |
|                  | 64.4°F (18.0°C)                                    | 12236                               | 11992            | 11932            | 10712              | 10615              | 1.07                   | 1.08             | 1.08             | 1.08               | 1.09               |

Table 18 – High Wall Heating Performance (18K) (Continued)

| AIRFLOW<br>(CFM) | HEATING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE |                                     |                  |                  |                    |                    |                        |                  |                  |                    |                    |
|------------------|----------------------------------------------------|-------------------------------------|------------------|------------------|--------------------|--------------------|------------------------|------------------|------------------|--------------------|--------------------|
|                  | OUTDOOR<br>DB                                      | TC: Total Heating Capacity (BTU/hr) |                  |                  |                    |                    | PI: Power Input (kW)   |                  |                  |                    |                    |
|                  |                                                    | Indoor Conditions (DB)              |                  |                  |                    |                    | Indoor Conditions (DB) |                  |                  |                    |                    |
|                  |                                                    | 60.8°F<br>(16.0°C)                  | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) | 60.8°F<br>(16.0°C)     | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) |
| 388              | -22°F (-30.0°C)                                    | 7859                                | 7702             | 7664             | 7633               | 7564               | 1.89                   | 1.91             | 1.91             | 1.92               | 1.92               |
|                  | -13°F (-25.0°C)                                    | 9897                                | 9699             | 9651             | 9612               | 9526               | 0.00                   | 0.00             | 0.00             | 0.00               | 0.00               |
|                  | -4°F (-20.0°C)                                     | 12643                               | 12390            | 12328            | 12279              | 12168              | 0.00                   | 0.00             | 0.00             | 0.00               | 0.00               |
|                  | 0°F (-17.8°C)                                      | 13805                               | 13529            | 13461            | 13407              | 13287              | 0.95                   | 0.96             | 0.96             | 0.96               | 0.97               |
|                  | 5°F (-15.0°C)                                      | 15257                               | 14952            | 14877            | 14818              | 14684              | 2.13                   | 2.15             | 2.16             | 2.16               | 2.17               |
|                  | 14°F (-10.0°C)                                     | 15165                               | 14861            | 14787            | 14728              | 14595              | 2.38                   | 2.40             | 2.41             | 2.41               | 2.42               |
|                  | 17°F (-8.3°C)                                      | 15134                               | 14831            | 14757            | 14698              | 14566              | 2.46                   | 2.48             | 2.49             | 2.49               | 2.50               |
|                  | 22°F (-5.6°C)                                      | 15077                               | 14776            | 14702            | 14643              | 14511              | 2.34                   | 2.36             | 2.36             | 2.37               | 2.38               |
|                  | 27°F (-2.8°C)                                      | 15021                               | 14720            | 14647            | 14588              | 14457              | 2.21                   | 2.23             | 2.23             | 2.24               | 2.25               |
|                  | 32°F (0.0°C)                                       | 14964                               | 14665            | 14592            | 14533              | 14402              | 2.09                   | 2.10             | 2.11             | 2.11               | 2.12               |
|                  | 35°F (1.7°C)                                       | 14930                               | 14632            | 14559            | 14500              | 14370              | 2.01                   | 2.03             | 2.03             | 2.03               | 2.04               |
|                  | 37°F (2.8°C)                                       | 15278                               | 14973            | 14898            | 14838              | 14705              | 1.98                   | 2.00             | 2.00             | 2.01               | 2.01               |
|                  | 42°F (5.6°C)                                       | 16148                               | 15825            | 15745            | 15682              | 15541              | 1.91                   | 1.92             | 1.93             | 1.93               | 1.94               |
|                  | 44.6°F (7.0°C)                                     | 16495                               | 16165            | 16085            | 16020              | 15876              | 1.88                   | 1.89             | 1.90             | 1.90               | 1.91               |
|                  | 47°F (8.3°C)                                       | 17017                               | 16677            | 16593            | 16527              | 16378              | 1.84                   | 1.85             | 1.85             | 1.86               | 1.87               |
|                  | 52°F (11.1°C)                                      | 16406                               | 16077            | 15997            | 15933              | 15790              | 1.61                   | 1.63             | 1.63             | 1.63               | 1.64               |
|                  | 57°F (13.9°C)                                      | 15794                               | 15478            | 15401            | 15339              | 15201              | 1.39                   | 1.40             | 1.40             | 1.41               | 1.41               |
|                  | 59°F (15.0°C)                                      | 15550                               | 15239            | 15162            | 15102              | 14966              | 1.30                   | 1.31             | 1.31             | 1.32               | 1.32               |
|                  | 62°F (16.7°C)                                      | 15183                               | 14879            | 14805            | 14746              | 14613              | 1.17                   | 1.18             | 1.18             | 1.18               | 1.19               |
|                  | 64.4°F (18.0°C)                                    | 14938                               | 14639            | 14566            | 14508              | 14377              | 1.08                   | 1.09             | 1.09             | 1.09               | 1.10               |
| 447              | -22°F (-30.0°C)                                    | 9595                                | 9403             | 9356             | 9318               | 9234               | 1.91                   | 1.93             | 1.93             | 1.93               | 1.94               |
|                  | -13°F (-25.0°C)                                    | 12082                               | 11841            | 11782            | 11735              | 11629              | 0.00                   | 0.00             | 0.00             | 0.00               | 0.00               |
|                  | -4°F (-20.0°C)                                     | 15435                               | 15126            | 15050            | 14990              | 14855              | 0.00                   | 0.00             | 0.00             | 0.00               | 0.00               |
|                  | 0°F (-17.8°C)                                      | 16853                               | 16516            | 16433            | 16368              | 16220              | 0.96                   | 0.97             | 0.97             | 0.97               | 0.97               |
|                  | 5°F (-15.0°C)                                      | 18626                               | 18253            | 18162            | 18089              | 17927              | 2.16                   | 2.17             | 2.18             | 2.18               | 2.19               |
|                  | 14°F (-10.0°C)                                     | 18513                               | 18143            | 18052            | 17980              | 17818              | 2.41                   | 2.43             | 2.43             | 2.43               | 2.44               |
|                  | 17°F (-8.3°C)                                      | 18475                               | 18106            | 18015            | 17943              | 17782              | 2.49                   | 2.51             | 2.51             | 2.52               | 2.53               |
|                  | 22°F (-5.6°C)                                      | 18406                               | 18038            | 17948            | 17876              | 17715              | 2.36                   | 2.38             | 2.39             | 2.39               | 2.40               |
|                  | 27°F (-2.8°C)                                      | 18337                               | 17971            | 17881            | 17809              | 17649              | 2.23                   | 2.25             | 2.26             | 2.26               | 2.27               |
|                  | 32°F (0.0°C)                                       | 18268                               | 17903            | 17813            | 17742              | 17583              | 2.11                   | 2.12             | 2.13             | 2.13               | 2.14               |
|                  | 35°F (1.7°C)                                       | 18227                               | 17862            | 17773            | 17702              | 17543              | 2.03                   | 2.05             | 2.05             | 2.06               | 2.06               |
|                  | 37°F (2.8°C)                                       | 18652                               | 18278            | 18187            | 18114              | 17951              | 2.00                   | 2.02             | 2.02             | 2.03               | 2.03               |
|                  | 42°F (5.6°C)                                       | 19713                               | 19319            | 19222            | 19145              | 18973              | 1.93                   | 1.94             | 1.95             | 1.95               | 1.96               |
|                  | 44.6°F (7.0°C)                                     | 20137                               | 19735            | 19636            | 19558              | 19381              | 1.90                   | 1.91             | 1.92             | 1.92               | 1.93               |
|                  | 47°F (8.3°C)                                       | 20774                               | 20359            | 20257            | 20176              | 19994              | 1.85                   | 1.87             | 1.87             | 1.88               | 1.88               |
|                  | 52°F (11.1°C)                                      | 20028                               | 19627            | 19529            | 19451              | 19276              | 1.63                   | 1.64             | 1.65             | 1.65               | 1.66               |
|                  | 57°F (13.9°C)                                      | 19282                               | 18896            | 18801            | 18726              | 18558              | 1.40                   | 1.42             | 1.42             | 1.42               | 1.43               |
|                  | 59°F (15.0°C)                                      | 18983                               | 18603            | 18510            | 18436              | 18270              | 1.31                   | 1.33             | 1.33             | 1.33               | 1.34               |
|                  | 62°F (16.7°C)                                      | 18535                               | 18164            | 18074            | 18001              | 17839              | 1.18                   | 1.19             | 1.19             | 1.19               | 1.20               |
|                  | 64.4°F (18.0°C)                                    | 18237                               | 17872            | 17783            | 17711              | 17552              | 1.09                   | 1.10             | 1.10             | 1.10               | 1.11               |

**NOTE:** Values in grey are extrapolated based on tested performance.

Table 19 – High Wall Cooling Performance (24K)

| Airflow<br>CFM | Out-<br>door<br>DB | ID WB | 60.8°F (16.0°C)  |                  |                  |                  |                  | 64.4°F (16.0°C)  |                  |                  |                  |                  | 67.0°F (19.4°C)  |                  |                  |                  |                  | 71.6°F (22.0°C)  |                  |                  |                  |                  |
|----------------|--------------------|-------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
|                |                    | ID DB | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C |
| 188            | -22°F<br>30°C      | TC    | 13300            | 13318            | 13332            | 13333            | 13351            | 14102            | 14118            | 14132            | 14135            | 14152            | 14944            | 14963            | 14980            | 14983            | 15000            | 15844            | 15862            | 15879            | 15881            | 15901            |
|                |                    | S/T   | 0.33             | 0.39             | 0.44             | 0.44             | 0.50             | 0.35             | 0.41             | 0.47             | 0.47             | 0.53             | 0.37             | 0.44             | 0.50             | 0.50             | 0.57             | 0.39             | 0.46             | 0.53             | 0.53             | 0.60             |
|                |                    | PI    | 0.72             | 0.72             | 0.72             | 0.72             | 0.72             | 0.77             | 0.77             | 0.77             | 0.77             | 0.77             | 0.81             | 0.81             | 0.81             | 0.81             | 0.81             | 0.86             | 0.86             | 0.86             | 0.86             | 0.86             |
|                | -13°F<br>25°C      | TC    | 14408            | 14428            | 14443            | 14444            | 14463            | 15277            | 15295            | 15310            | 15313            | 15331            | 16189            | 16210            | 16228            | 16231            | 16250            | 17165            | 17183            | 17202            | 17205            | 17226            |
|                |                    | S/T   | 0.33             | 0.39             | 0.45             | 0.45             | 0.51             | 0.35             | 0.42             | 0.47             | 0.47             | 0.54             | 0.38             | 0.44             | 0.50             | 0.50             | 0.57             | 0.40             | 0.47             | 0.53             | 0.53             | 0.60             |
|                |                    | PI    | 0.78             | 0.78             | 0.78             | 0.78             | 0.79             | 0.83             | 0.83             | 0.83             | 0.83             | 0.83             | 0.88             | 0.88             | 0.88             | 0.88             | 0.88             | 0.93             | 0.93             | 0.93             | 0.93             | 0.94             |
|                | -4°F<br>20°C       | TC    | 15517            | 15538            | 15554            | 15555            | 15576            | 16452            | 16471            | 16488            | 16491            | 16510            | 17435            | 17457            | 17477            | 17480            | 17500            | 18485            | 18505            | 18525            | 18528            | 18551            |
|                |                    | S/T   | 0.34             | 0.39             | 0.45             | 0.45             | 0.51             | 0.36             | 0.42             | 0.47             | 0.47             | 0.54             | 0.38             | 0.44             | 0.50             | 0.50             | 0.57             | 0.40             | 0.47             | 0.53             | 0.53             | 0.61             |
|                |                    | PI    | 0.84             | 0.84             | 0.84             | 0.84             | 0.85             | 0.89             | 0.89             | 0.89             | 0.90             | 0.90             | 0.95             | 0.95             | 0.95             | 0.95             | 0.95             | 1.00             | 1.00             | 1.01             | 1.01             | 1.01             |
|                | 0°F<br>17.8°C      | TC    | 16009            | 16031            | 16048            | 16049            | 16070            | 16974            | 16994            | 17011            | 17014            | 17035            | 17988            | 18012            | 18032            | 18035            | 18055            | 19072            | 19093            | 19114            | 19116            | 19140            |
|                |                    | S/T   | 0.34             | 0.40             | 0.45             | 0.45             | 0.51             | 0.36             | 0.42             | 0.48             | 0.48             | 0.54             | 0.38             | 0.44             | 0.50             | 0.50             | 0.58             | 0.40             | 0.47             | 0.53             | 0.53             | 0.61             |
|                |                    | PI    | 0.87             | 0.87             | 0.87             | 0.87             | 0.87             | 0.92             | 0.92             | 0.92             | 0.92             | 0.92             | 0.98             | 0.98             | 0.98             | 0.98             | 0.98             | 1.04             | 1.04             | 1.04             | 1.04             | 1.04             |
|                | 5°F<br>15°C        | TC    | 16625            | 16647            | 16665            | 16666            | 16689            | 17627            | 17648            | 17665            | 17669            | 17690            | 18680            | 18704            | 18725            | 18729            | 18750            | 19806            | 19827            | 19849            | 19852            | 19876            |
|                |                    | S/T   | 0.34             | 0.40             | 0.45             | 0.45             | 0.51             | 0.36             | 0.42             | 0.48             | 0.48             | 0.55             | 0.38             | 0.45             | 0.51             | 0.51             | 0.58             | 0.40             | 0.47             | 0.54             | 0.54             | 0.61             |
|                |                    | PI    | 0.90             | 0.90             | 0.90             | 0.90             | 0.91             | 0.96             | 0.96             | 0.96             | 0.96             | 0.96             | 1.01             | 1.02             | 1.02             | 1.02             | 1.02             | 1.08             | 1.08             | 1.08             | 1.08             | 1.08             |
|                | 14°F<br>10°C       | TC    | 18339            | 18364            | 18384            | 18384            | 18409            | 19444            | 19467            | 19487            | 19490            | 19514            | 20606            | 20633            | 20656            | 20660            | 20683            | 21848            | 21871            | 21895            | 21899            | 21926            |
|                |                    | S/T   | 0.34             | 0.40             | 0.45             | 0.45             | 0.52             | 0.36             | 0.42             | 0.48             | 0.48             | 0.55             | 0.38             | 0.45             | 0.51             | 0.51             | 0.58             | 0.40             | 0.47             | 0.54             | 0.54             | 0.61             |
|                |                    | PI    | 0.65             | 0.65             | 0.65             | 0.65             | 0.65             | 0.69             | 0.69             | 0.69             | 0.69             | 0.69             | 0.73             | 0.73             | 0.73             | 0.73             | 0.74             | 0.78             | 0.78             | 0.78             | 0.78             | 0.78             |
|                | 17°F<br>10°C       | TC    | 18910            | 18936            | 18956            | 18957            | 18983            | 20050            | 20074            | 20094            | 20098            | 20122            | 21248            | 21276            | 21299            | 21303            | 21327            | 22528            | 22553            | 22577            | 22581            | 22609            |
|                |                    | S/T   | 0.34             | 0.40             | 0.45             | 0.45             | 0.52             | 0.36             | 0.42             | 0.48             | 0.48             | 0.55             | 0.38             | 0.45             | 0.51             | 0.51             | 0.58             | 0.41             | 0.48             | 0.54             | 0.54             | 0.62             |
|                |                    | PI    | 0.57             | 0.57             | 0.57             | 0.57             | 0.57             | 0.60             | 0.60             | 0.60             | 0.60             | 0.61             | 0.64             | 0.64             | 0.64             | 0.64             | 0.64             | 0.68             | 0.68             | 0.68             | 0.68             | 0.68             |
|                | 23°F<br>5°C        | TC    | 17410            | 17433            | 17452            | 17453            | 17477            | 18459            | 18481            | 18499            | 18503            | 18525            | 19562            | 19588            | 19609            | 19613            | 19635            | 20741            | 20763            | 20786            | 20789            | 20815            |
|                |                    | S/T   | 0.34             | 0.40             | 0.46             | 0.46             | 0.52             | 0.36             | 0.43             | 0.48             | 0.48             | 0.55             | 0.38             | 0.45             | 0.51             | 0.51             | 0.58             | 0.41             | 0.48             | 0.54             | 0.54             | 0.62             |
|                |                    | PI    | 0.58             | 0.58             | 0.58             | 0.58             | 0.58             | 0.61             | 0.61             | 0.61             | 0.61             | 0.61             | 0.65             | 0.65             | 0.65             | 0.65             | 0.65             | 0.69             | 0.69             | 0.69             | 0.69             | 0.69             |
|                | 35°F<br>1.7°C      | TC    | 14409            | 14429            | 14444            | 14445            | 14464            | 15278            | 15296            | 15311            | 15314            | 15332            | 16190            | 16211            | 16229            | 16232            | 16251            | 17166            | 17184            | 17203            | 17206            | 17227            |
|                |                    | S/T   | 0.34             | 0.40             | 0.46             | 0.46             | 0.52             | 0.36             | 0.43             | 0.49             | 0.49             | 0.55             | 0.39             | 0.45             | 0.51             | 0.51             | 0.59             | 0.41             | 0.48             | 0.55             | 0.55             | 0.62             |
|                |                    | PI    | 0.59             | 0.60             | 0.60             | 0.60             | 0.60             | 0.63             | 0.63             | 0.63             | 0.63             | 0.63             | 0.67             | 0.67             | 0.67             | 0.67             | 0.67             | 0.71             | 0.71             | 0.71             | 0.71             | 0.71             |
|                | 41°F<br>5°C        | TC    | 17249            | 17272            | 17290            | 17291            | 17315            | 18288            | 18310            | 18328            | 18331            | 18353            | 19381            | 19406            | 19428            | 19431            | 19453            | 20548            | 20571            | 20593            | 20596            | 20622            |
|                |                    | S/T   | 0.34             | 0.40             | 0.46             | 0.46             | 0.52             | 0.36             | 0.43             | 0.49             | 0.49             | 0.55             | 0.39             | 0.45             | 0.52             | 0.52             | 0.59             | 0.41             | 0.48             | 0.55             | 0.55             | 0.62             |
|                |                    | PI    | 0.78             | 0.78             | 0.78             | 0.78             | 0.78             | 0.83             | 0.83             | 0.83             | 0.83             | 0.83             | 0.88             | 0.88             | 0.88             | 0.88             | 0.88             | 0.93             | 0.93             | 0.93             | 0.93             | 0.93             |
|                | 47°F<br>8.3°C      | TC    | 20088            | 20115            | 20137            | 20138            | 20165            | 21299            | 21324            | 21345            | 21349            | 21374            | 22571            | 22600            | 22626            | 22630            | 22655            | 23931            | 23957            | 23983            | 23987            | 24017            |
|                |                    | S/T   | 0.35             | 0.41             | 0.46             | 0.46             | 0.52             | 0.37             | 0.43             | 0.49             | 0.49             | 0.56             | 0.39             | 0.46             | 0.52             | 0.52             | 0.59             | 0.41             | 0.48             | 0.55             | 0.55             | 0.63             |
|                |                    | PI    | 0.97             | 0.97             | 0.97             | 0.97             | 0.97             | 1.03             | 1.03             | 1.03             | 1.03             | 1.03             | 1.09             | 1.09             | 1.09             | 1.09             | 1.09             | 1.15             | 1.15             | 1.15             | 1.15             | 1.16             |
|                | 50°F<br>10°C       | TC    | 20057            | 20084            | 20106            | 20107            | 20134            | 21266            | 21291            | 21312            | 21317            | 21342            | 22537            | 22566            | 22591            | 22595            | 22621            | 23895            | 23921            | 23947            | 23950            | 23980            |
|                |                    | S/T   | 0.35             | 0.41             | 0.46             | 0.46             | 0.53             | 0.37             | 0.43             | 0.49             | 0.49             | 0.56             | 0.39             | 0.46             | 0.52             | 0.52             | 0.59             | 0.41             | 0.48             | 0.55             | 0.55             | 0.63             |
|                |                    | PI    | 0.99             | 0.99             | 0.99             | 0.99             | 0.99             | 1.05             | 1.05             | 1.05             | 1.05             | 1.05             | 1.11             | 1.11             | 1.11             | 1.11             | 1.11             | 1.17             | 1.18             | 1.18             | 1.18             | 1.18             |
|                | 59°F<br>15°C       | TC    | 19965            | 19992            | 20014            | 20015            | 20042            | 21169            | 21194            | 21215            | 21219            | 21244            | 22433            | 22463            | 22488            | 22492            | 22517            | 23785            | 23811            | 23837            | 23841            | 23870            |
|                |                    | S/T   | 0.35             | 0.41             | 0.46             | 0.47             | 0.53             | 0.37             | 0.43             | 0.49             | 0.49             | 0.56             | 0.39             | 0.46             | 0.52             | 0.52             | 0.60             | 0.42             | 0.49             | 0.55             | 0.55             | 0.63             |
|                |                    | PI    | 1.04             | 1.05             | 1.05             | 1.05             | 1.05             | 1.11             | 1.11             | 1.11             | 1.11             | 1.11             | 1.17             | 1.17             | 1.18             | 1.18             | 1.18             | 1.24             | 1.25             | 1.25             | 1.25             | 1.25             |
|                | 68°F<br>20°C       | TC    | 19874            | 19900            | 19922            | 19923            | 19949            | 21071            | 21096            | 21117            | 21121            | 21146            | 22330            | 22359            | 22384            | 22388            | 22413            | 23676            | 23701            | 23727            | 23731            | 23760            |
|                |                    | S/T   | 0.36             | 0.42             | 0.48             | 0.48             | 0.54             | 0.38             | 0.45             | 0.51             | 0.51             | 0.58             | 0.40             | 0.47             | 0.54             | 0.54             | 0.61             | 0.43             | 0.50             | 0.57             | 0.57             | 0.65             |
|                |                    | PI    | 1.10             | 1.10             | 1.11             | 1.11             | 1.11             | 1.17             | 1.17             | 1.17             | 1.17             | 1.17             | 1.24             | 1.24             | 1.24             | 1.24             | 1.24             | 1.31             | 1.31             | 1.32             | 1.32             | 1.32             |
|                | 77°F<br>25°C       | TC    | 19782            | 19808            | 19830            | 19830            | 19857            | 20974            | 20999            | 21019            | 21024            | 21048            | 22227            | 22256            | 22281            | 22285            | 22310            | 23566            | 23592            | 23617            | 23621            | 23650            |
|                |                    | S/T   | 0.36             | 0.43             | 0.48             | 0.48             | 0.55             | 0.38             | 0.45             | 0.51             | 0.51             | 0.58             | 0.41             | 0.48             | 0.54             | 0.54             | 0.62             | 0.43             | 0.51             | 0.58             | 0.58             | 0.66             |
|                |                    | PI    | 1.16             | 1.16             | 1.16             | 1.16             | 1.17             | 1.23             | 1.23             | 1.23             | 1.23             | 1.23             | 1.30             | 1.31             | 1.31             | 1.31             | 1.31             | 1.38             | 1.38             | 1.39             | 1.39             | 1.39             |
|                | 82°F<br>27.8°C     | TC    | 19426            | 19452            | 19473            | 19474            | 19500            | 20596            | 20621            | 20641            | 20645            | 20670            | 21827            | 21855            | 21880            | 21884            | 21908            | 23142            | 23167            | 23192            | 23196            | 23225            |
|                |                    | S/T   | 0.37             | 0.43             | 0.49             | 0.49             | 0.56             | 0.39             | 0.46             | 0.52             | 0.52             | 0.59             | 0.41             | 0.48             | 0.55             | 0.55             | 0.63             | 0.44             | 0.51             | 0.58             | 0.58             | 0.67             |
|                |                    | PI    | 1.21             | 1.21             | 1.21             | 1.21             | 1.21             | 1.28             | 1.28             | 1.29             | 1.29             | 1.29             | 1.36             | 1.36             | 1.36             | 1.36             | 1.37             | 1.44             | 1.44             | 1.45             | 1.45             | 1.45             |
|                | 86°F<br>30°C       | TC    | 18756            | 18781            | 18802            | 18802            | 18828            | 19886            | 19910            | 19930            | 19934            | 19957            | 21075            | 21102            | 21125            | 21129            | 21153            | 22344            | 22369            | 22393            | 22396            | 22424            |
|                |                    | S/T   | 0.37             | 0.44             | 0.50             | 0.50             | 0.57             | 0.39             | 0.46             | 0.53             | 0.53             | 0.60             | 0.42             | 0.49             | 0.56             | 0.56             | 0.64             | 0.44             | 0.52             | 0.59             | 0.59             | 0.67             |
|                |                    | PI</  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |

Table 19 – High Wall Cooling Performance (24K) (Continued)

| Airflow<br>CFM | Out-<br>door<br>DB | ID WB | 60.8°F (16.0°C)  |                  |                  |                  |                  | 64.4°F (16.0°C)  |                  |                  |                  |                  | 67.0°F (19.4°C)  |                  |                  |                  |                  | 71.6°F (22.0°C)  |                  |                  |                  |                  |
|----------------|--------------------|-------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
|                |                    | ID DB | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C |
| 324            | -22°F<br>30°C      | TC    | 15003            | 15023            | 15040            | 15040            | 15061            | 15907            | 15926            | 15942            | 15945            | 15964            | 16858            | 16880            | 16899            | 16902            | 16921            | 17874            | 17893            | 17912            | 17915            | 17938            |
|                |                    | S/T   | 0.37             | 0.44             | 0.50             | 0.50             | 0.57             | 0.40             | 0.47             | 0.53             | 0.53             | 0.60             | 0.42             | 0.49             | 0.56             | 0.56             | 0.64             | 0.45             | 0.52             | 0.59             | 0.59             | 0.68             |
|                |                    | PI    | 0.81             | 0.82             | 0.82             | 0.82             | 0.82             | 0.86             | 0.86             | 0.87             | 0.87             | 0.87             | 0.92             | 0.92             | 0.92             | 0.92             | 0.92             | 0.97             | 0.97             | 0.97             | 0.97             | 0.97             |
|                | -13°F<br>25°C      | TC    | 16254            | 16275            | 16293            | 16294            | 16316            | 17233            | 17253            | 17270            | 17274            | 17294            | 18263            | 18286            | 18307            | 18310            | 18331            | 19363            | 19384            | 19405            | 19408            | 19432            |
|                |                    | S/T   | 0.38             | 0.44             | 0.50             | 0.50             | 0.57             | 0.40             | 0.47             | 0.53             | 0.53             | 0.61             | 0.42             | 0.50             | 0.56             | 0.56             | 0.64             | 0.45             | 0.53             | 0.60             | 0.60             | 0.68             |
|                |                    | PI    | 0.88             | 0.88             | 0.88             | 0.88             | 0.89             | 0.94             | 0.94             | 0.94             | 0.94             | 0.94             | 0.99             | 0.99             | 0.99             | 0.99             | 0.99             | 1.05             | 1.05             | 1.05             | 1.05             | 1.05             |
|                | -4°F<br>20°C       | TC    | 17504            | 17527            | 17546            | 17547            | 17571            | 18559            | 18581            | 18599            | 18603            | 18625            | 19667            | 19693            | 19715            | 19719            | 19741            | 20852            | 20875            | 20898            | 20901            | 20927            |
|                |                    | S/T   | 0.38             | 0.44             | 0.51             | 0.51             | 0.58             | 0.40             | 0.47             | 0.54             | 0.54             | 0.61             | 0.43             | 0.50             | 0.57             | 0.57             | 0.65             | 0.45             | 0.53             | 0.60             | 0.60             | 0.69             |
|                |                    | PI    | 0.95             | 0.95             | 0.95             | 0.95             | 0.95             | 1.01             | 1.01             | 1.01             | 1.01             | 1.01             | 1.07             | 1.07             | 1.07             | 1.07             | 1.07             | 1.13             | 1.13             | 1.13             | 1.13             | 1.14             |
|                | 0°F<br>17.8°C      | TC    | 18059            | 18084            | 18103            | 18104            | 18128            | 19148            | 19170            | 19189            | 19193            | 19216            | 20292            | 20318            | 20341            | 20345            | 20367            | 21514            | 21538            | 21561            | 21565            | 21591            |
|                |                    | S/T   | 0.38             | 0.45             | 0.51             | 0.51             | 0.58             | 0.40             | 0.47             | 0.54             | 0.54             | 0.61             | 0.43             | 0.50             | 0.57             | 0.57             | 0.65             | 0.45             | 0.53             | 0.60             | 0.60             | 0.69             |
|                |                    | PI    | 0.98             | 0.98             | 0.98             | 0.98             | 0.98             | 1.04             | 1.04             | 1.04             | 1.04             | 1.04             | 1.10             | 1.10             | 1.10             | 1.10             | 1.11             | 1.17             | 1.17             | 1.17             | 1.17             | 1.17             |
|                | 5°F<br>15°C        | TC    | 18754            | 18779            | 18800            | 18800            | 18826            | 19884            | 19908            | 19927            | 19931            | 19955            | 21072            | 21100            | 21123            | 21127            | 21151            | 22342            | 22366            | 22391            | 22394            | 22422            |
|                |                    | S/T   | 0.38             | 0.45             | 0.51             | 0.51             | 0.58             | 0.40             | 0.47             | 0.54             | 0.54             | 0.62             | 0.43             | 0.50             | 0.57             | 0.57             | 0.65             | 0.45             | 0.53             | 0.61             | 0.61             | 0.69             |
|                |                    | PI    | 1.02             | 1.02             | 1.02             | 1.02             | 1.02             | 1.08             | 1.08             | 1.08             | 1.08             | 1.08             | 1.14             | 1.15             | 1.15             | 1.15             | 1.15             | 1.21             | 1.21             | 1.22             | 1.22             | 1.22             |
|                | 14°F<br>10°C       | TC    | 20688            | 20715            | 20738            | 20739            | 20767            | 21934            | 21960            | 21982            | 21986            | 22013            | 23245            | 23275            | 23301            | 23305            | 23331            | 24645            | 24672            | 24699            | 24703            | 24734            |
|                |                    | S/T   | 0.38             | 0.45             | 0.51             | 0.51             | 0.58             | 0.41             | 0.48             | 0.54             | 0.54             | 0.62             | 0.43             | 0.50             | 0.57             | 0.57             | 0.65             | 0.46             | 0.53             | 0.61             | 0.61             | 0.69             |
|                |                    | PI    | 0.74             | 0.74             | 0.74             | 0.74             | 0.74             | 0.78             | 0.78             | 0.78             | 0.78             | 0.78             | 0.83             | 0.83             | 0.83             | 0.83             | 0.83             | 0.88             | 0.88             | 0.88             | 0.88             | 0.88             |
|                | 17°F<br>10°C       | TC    | 21332            | 21361            | 21384            | 21385            | 21414            | 22618            | 22645            | 22667            | 22671            | 22698            | 23969            | 24000            | 24027            | 24031            | 24058            | 25413            | 25441            | 25469            | 25473            | 25504            |
|                |                    | S/T   | 0.38             | 0.45             | 0.51             | 0.51             | 0.58             | 0.41             | 0.48             | 0.54             | 0.54             | 0.62             | 0.43             | 0.51             | 0.57             | 0.57             | 0.66             | 0.46             | 0.54             | 0.61             | 0.61             | 0.69             |
|                |                    | PI    | 0.64             | 0.64             | 0.64             | 0.64             | 0.64             | 0.68             | 0.68             | 0.68             | 0.68             | 0.68             | 0.72             | 0.72             | 0.72             | 0.72             | 0.72             | 0.76             | 0.77             | 0.77             | 0.77             | 0.77             |
|                | 23°F<br>5°C        | TC    | 19640            | 19666            | 19687            | 19688            | 19715            | 20823            | 20848            | 20868            | 20873            | 20897            | 22067            | 22096            | 22121            | 22125            | 22149            | 23397            | 23422            | 23448            | 23451            | 23481            |
|                |                    | S/T   | 0.39             | 0.45             | 0.51             | 0.51             | 0.59             | 0.41             | 0.48             | 0.54             | 0.55             | 0.62             | 0.43             | 0.51             | 0.58             | 0.58             | 0.66             | 0.46             | 0.54             | 0.61             | 0.61             | 0.70             |
|                |                    | PI    | 0.65             | 0.65             | 0.65             | 0.65             | 0.65             | 0.69             | 0.69             | 0.69             | 0.69             | 0.69             | 0.73             | 0.73             | 0.73             | 0.73             | 0.73             | 0.78             | 0.78             | 0.78             | 0.78             | 0.78             |
|                | 35°F<br>1.7°C      | TC    | 16254            | 16276            | 16294            | 16295            | 16317            | 17234            | 17254            | 17271            | 17275            | 17295            | 18264            | 18287            | 18308            | 18311            | 18332            | 19364            | 19385            | 19406            | 19409            | 19433            |
|                |                    | S/T   | 0.39             | 0.45             | 0.52             | 0.52             | 0.59             | 0.41             | 0.48             | 0.55             | 0.55             | 0.62             | 0.44             | 0.51             | 0.58             | 0.58             | 0.66             | 0.46             | 0.54             | 0.62             | 0.62             | 0.70             |
|                |                    | PI    | 0.67             | 0.67             | 0.67             | 0.67             | 0.67             | 0.71             | 0.71             | 0.71             | 0.71             | 0.71             | 0.75             | 0.75             | 0.76             | 0.76             | 0.76             | 0.80             | 0.80             | 0.80             | 0.80             | 0.80             |
|                | 41°F<br>5°C        | TC    | 19458            | 19484            | 19505            | 19506            | 19532            | 20630            | 20655            | 20675            | 20679            | 20704            | 21863            | 21891            | 21915            | 21920            | 21944            | 23180            | 23205            | 23230            | 23234            | 23263            |
|                |                    | S/T   | 0.39             | 0.46             | 0.52             | 0.52             | 0.59             | 0.41             | 0.48             | 0.55             | 0.55             | 0.63             | 0.44             | 0.51             | 0.58             | 0.58             | 0.66             | 0.46             | 0.54             | 0.62             | 0.62             | 0.70             |
|                |                    | PI    | 0.88             | 0.88             | 0.88             | 0.88             | 0.88             | 0.93             | 0.93             | 0.94             | 0.94             | 0.94             | 0.99             | 0.99             | 0.99             | 0.99             | 0.99             | 1.05             | 1.05             | 1.05             | 1.05             | 1.05             |
|                | 47°F<br>8.3°C      | TC    | 22661            | 22691            | 22715            | 22717            | 22747            | 24026            | 24055            | 24078            | 24083            | 24112            | 25462            | 25495            | 25523            | 25528            | 25556            | 26996            | 27025            | 27055            | 27059            | 27092            |
|                |                    | S/T   | 0.39             | 0.46             | 0.52             | 0.52             | 0.59             | 0.41             | 0.48             | 0.55             | 0.55             | 0.63             | 0.44             | 0.51             | 0.58             | 0.58             | 0.67             | 0.46             | 0.54             | 0.62             | 0.62             | 0.71             |
|                |                    | PI    | 1.09             | 1.09             | 1.09             | 1.09             | 1.09             | 1.16             | 1.16             | 1.16             | 1.16             | 1.16             | 1.23             | 1.23             | 1.23             | 1.23             | 1.23             | 1.30             | 1.30             | 1.30             | 1.30             | 1.30             |
|                | 50°F<br>10°C       | TC    | 22626            | 22656            | 22681            | 22682            | 22712            | 23990            | 24018            | 24042            | 24046            | 24075            | 25423            | 25456            | 25484            | 25489            | 25517            | 26955            | 26984            | 27013            | 27017            | 27051            |
|                |                    | S/T   | 0.39             | 0.46             | 0.52             | 0.52             | 0.59             | 0.41             | 0.49             | 0.55             | 0.55             | 0.63             | 0.44             | 0.52             | 0.59             | 0.59             | 0.67             | 0.47             | 0.55             | 0.62             | 0.62             | 0.71             |
|                |                    | PI    | 1.11             | 1.11             | 1.12             | 1.12             | 1.12             | 1.18             | 1.18             | 1.18             | 1.18             | 1.18             | 1.25             | 1.25             | 1.25             | 1.25             | 1.25             | 1.33             | 1.33             | 1.33             | 1.33             | 1.33             |
|                | 59°F<br>15°C       | TC    | 22522            | 22553            | 22577            | 22578            | 22608            | 23880            | 23908            | 23932            | 23936            | 23965            | 25306            | 25339            | 25367            | 25372            | 25400            | 26831            | 26860            | 26889            | 26894            | 26927            |
|                |                    | S/T   | 0.39             | 0.46             | 0.52             | 0.52             | 0.60             | 0.42             | 0.49             | 0.56             | 0.56             | 0.63             | 0.44             | 0.52             | 0.59             | 0.59             | 0.67             | 0.47             | 0.55             | 0.62             | 0.62             | 0.71             |
|                |                    | PI    | 1.18             | 1.18             | 1.18             | 1.18             | 1.18             | 1.25             | 1.25             | 1.25             | 1.25             | 1.25             | 1.32             | 1.33             | 1.33             | 1.33             | 1.33             | 1.40             | 1.41             | 1.41             | 1.41             | 1.41             |
|                | 68°F<br>20°C       | TC    | 22419            | 22449            | 22473            | 22474            | 22504            | 23770            | 23798            | 23821            | 23826            | 23854            | 25190            | 25222            | 25251            | 25255            | 25283            | 26708            | 26737            | 26766            | 26770            | 26803            |
|                |                    | S/T   | 0.40             | 0.47             | 0.54             | 0.54             | 0.61             | 0.43             | 0.50             | 0.57             | 0.57             | 0.65             | 0.45             | 0.53             | 0.61             | 0.61             | 0.69             | 0.48             | 0.56             | 0.64             | 0.64             | 0.73             |
|                |                    | PI    | 1.24             | 1.25             | 1.25             | 1.25             | 1.25             | 1.32             | 1.32             | 1.32             | 1.32             | 1.32             | 1.40             | 1.40             | 1.40             | 1.40             | 1.40             | 1.48             | 1.48             | 1.48             | 1.49             | 1.49             |
|                | 77°F<br>25°C       | TC    | 22315            | 22345            | 22369            | 22370            | 22400            | 23660            | 23688            | 23711            | 23716            | 23744            | 25073            | 25106            | 25134            | 25138            | 25167            | 26584            | 26613            | 26642            | 26646            | 26679            |
|                |                    | S/T   | 0.41             | 0.48             | 0.55             | 0.55             | 0.62             | 0.43             | 0.51             | 0.58             | 0.58             | 0.66             | 0.46             | 0.54             | 0.61             | 0.61             | 0.70             | 0.49             | 0.57             | 0.65             | 0.65             | 0.74             |
|                |                    | PI    | 1.31             | 1.31             | 1.31             | 1.31             | 1.31             | 1.39             | 1.39             | 1.39             | 1.39             | 1.39             | 1.47             | 1.47             | 1.47             | 1.47             | 1.48             | 1.56             | 1.56             | 1.56             | 1.56             | 1.57             |
|                | 82°F<br>27.8°C     | TC    | 21913            | 21943            | 21966            | 21967            | 21997            | 23234            | 23261            | 23284            | 23289            | 23317            | 24622            | 24654            | 24682            | 24686            | 24714            | 26106            | 26134            | 26162            | 26166            | 26199            |
|                |                    | S/T   | 0.41             | 0.49             | 0.55             | 0.55             | 0.63             | 0.44             | 0.52             | 0.59             | 0.59             | 0.67             | 0.47             | 0.55             | 0.62             | 0.62             | 0.71             | 0.49             | 0.58             | 0.66             | 0.66             | 0.75             |
|                |                    | PI    | 1.37             | 1.37             | 1.37             | 1.37             | 1.37             | 1.45             | 1.45             | 1.45             | 1.45             | 1.45             | 1.53             | 1.54             | 1.54             | 1.54             | 1.54             | 1.63             | 1.63             | 1.63             | 1.63             | 1.63             |
|                | 86°F<br>30°C       | TC    | 21158            | 21187            | 21209            | 21210            | 21239            | 22433            | 22460            | 22482            | 22486            | 22513            | 23773            | 23804            | 23831            | 23835            | 23862            | 25206            | 25233            | 25261            | 25265            | 25296            |
|                |                    | S/T   | 0.42             | 0.49             | 0.56             | 0.56             | 0.64             | 0.44             | 0.52             | 0.59             | 0.59             | 0.68             | 0.47             | 0.55             | 0.63             | 0.63             | 0.72             | 0.50             | 0.59             | 0.67             | 0.67             | 0.76             |
|                |                    | PI    | 1.44             | 1.44             | 1.44             | 1.44             | 1.44             | 1.52             | 1.52             | 1.52             | 1.53             | 1.53             | 1.61             | 1.61             | 1.62             | 1.62             | 1.62             | 1.71             | 1.71             | 1.71</           |                  |                  |

Table 19 – High Wall Cooling Performance (24K) (Continued)

| Airflow<br>CFM | Out-<br>door<br>DB | ID WB | 60.8°F (16.0°C)  |                  |                  |                  |                  | 64.4°F (16.0°C)  |                  |                  |                  |                  | 67.0°F (19.4°C)  |                  |                  |                  |                  | 71.6°F (22.0°C)  |                  |                  |                  |                  |
|----------------|--------------------|-------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
|                |                    | ID DB | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C |
| 376            | -22°F<br>30°C      | TC    | 16925            | 16947            | 16966            | 16966            | 16989            | 17945            | 17966            | 17984            | 17987            | 18008            | 19017            | 19041            | 19063            | 19066            | 19087            | 20162            | 20184            | 20206            | 20209            | 20235            |
|                |                    | S/T   | 0.42             | 0.50             | 0.56             | 0.56             | 0.64             | 0.45             | 0.52             | 0.60             | 0.60             | 0.68             | 0.47             | 0.56             | 0.63             | 0.63             | 0.72             | 0.50             | 0.59             | 0.67             | 0.67             | 0.76             |
|                |                    | PI    | 0.92             | 0.92             | 0.92             | 0.92             | 0.92             | 0.97             | 0.98             | 0.98             | 0.98             | 0.98             | 1.03             | 1.03             | 1.03             | 1.03             | 1.04             | 1.09             | 1.10             | 1.10             | 1.10             | 1.10             |
|                | -13°F<br>25°C      | TC    | 18335            | 18360            | 18379            | 18380            | 18405            | 19440            | 19463            | 19482            | 19486            | 19509            | 20601            | 20628            | 20651            | 20655            | 20678            | 21843            | 21866            | 21890            | 21894            | 21921            |
|                |                    | S/T   | 0.42             | 0.50             | 0.57             | 0.57             | 0.65             | 0.45             | 0.53             | 0.60             | 0.60             | 0.68             | 0.48             | 0.56             | 0.64             | 0.64             | 0.73             | 0.51             | 0.59             | 0.67             | 0.67             | 0.77             |
|                |                    | PI    | 1.00             | 1.00             | 1.00             | 1.00             | 1.00             | 1.06             | 1.06             | 1.06             | 1.06             | 1.06             | 1.12             | 1.12             | 1.12             | 1.12             | 1.12             | 1.19             | 1.19             | 1.19             | 1.19             | 1.19             |
|                | -4°F<br>20°C       | TC    | 19745            | 19772            | 19793            | 19794            | 19821            | 20935            | 20960            | 20981            | 20985            | 21010            | 22186            | 22215            | 22240            | 22244            | 22269            | 23523            | 23548            | 23574            | 23578            | 23607            |
|                |                    | S/T   | 0.43             | 0.50             | 0.57             | 0.57             | 0.65             | 0.45             | 0.53             | 0.60             | 0.60             | 0.69             | 0.48             | 0.56             | 0.64             | 0.64             | 0.73             | 0.51             | 0.60             | 0.68             | 0.68             | 0.77             |
|                |                    | PI    | 1.07             | 1.07             | 1.07             | 1.07             | 1.08             | 1.14             | 1.14             | 1.14             | 1.14             | 1.14             | 1.20             | 1.21             | 1.21             | 1.21             | 1.21             | 1.28             | 1.28             | 1.28             | 1.28             | 1.28             |
|                | 0°F<br>17.8°C      | TC    | 20372            | 20400            | 20422            | 20423            | 20450            | 21600            | 21626            | 21647            | 21651            | 21677            | 22890            | 22920            | 22946            | 22950            | 22976            | 24270            | 24296            | 24322            | 24326            | 24357            |
|                |                    | S/T   | 0.43             | 0.50             | 0.57             | 0.57             | 0.65             | 0.45             | 0.53             | 0.61             | 0.61             | 0.69             | 0.48             | 0.56             | 0.64             | 0.64             | 0.73             | 0.51             | 0.60             | 0.68             | 0.68             | 0.78             |
|                |                    | PI    | 1.11             | 1.11             | 1.11             | 1.11             | 1.11             | 1.17             | 1.17             | 1.17             | 1.18             | 1.18             | 1.24             | 1.24             | 1.25             | 1.25             | 1.25             | 1.32             | 1.32             | 1.32             | 1.32             | 1.32             |
|                | 5°F<br>15°C        | TC    | 21156            | 21184            | 21207            | 21208            | 21237            | 22431            | 22457            | 22479            | 22484            | 22511            | 23771            | 23802            | 23828            | 23833            | 23859            | 25203            | 25230            | 25258            | 25262            | 25293            |
|                |                    | S/T   | 0.43             | 0.51             | 0.57             | 0.57             | 0.65             | 0.46             | 0.54             | 0.61             | 0.61             | 0.69             | 0.48             | 0.57             | 0.65             | 0.65             | 0.74             | 0.51             | 0.60             | 0.68             | 0.68             | 0.78             |
|                |                    | PI    | 1.15             | 1.15             | 1.15             | 1.15             | 1.15             | 1.22             | 1.22             | 1.22             | 1.22             | 1.22             | 1.29             | 1.29             | 1.29             | 1.29             | 1.30             | 1.37             | 1.37             | 1.37             | 1.37             | 1.37             |
|                | 14°F<br>10°C       | TC    | 23337            | 23368            | 23394            | 23395            | 23426            | 24743            | 24773            | 24797            | 24802            | 24832            | 26222            | 26256            | 26285            | 26290            | 26319            | 27802            | 27832            | 27862            | 27866            | 27901            |
|                |                    | S/T   | 0.43             | 0.51             | 0.58             | 0.58             | 0.66             | 0.46             | 0.54             | 0.61             | 0.61             | 0.70             | 0.48             | 0.57             | 0.65             | 0.65             | 0.74             | 0.51             | 0.60             | 0.69             | 0.69             | 0.78             |
|                |                    | PI    | 0.83             | 0.83             | 0.83             | 0.83             | 0.83             | 0.88             | 0.88             | 0.88             | 0.88             | 0.88             | 0.93             | 0.93             | 0.94             | 0.94             | 0.94             | 0.99             | 0.99             | 0.99             | 0.99             | 0.99             |
|                | 17°F<br>10°C       | TC    | 24064            | 24096            | 24122            | 24123            | 24156            | 25514            | 25545            | 25570            | 25575            | 25605            | 27039            | 27074            | 27104            | 27109            | 27139            | 28668            | 28699            | 28730            | 28735            | 28770            |
|                |                    | S/T   | 0.43             | 0.51             | 0.58             | 0.58             | 0.66             | 0.46             | 0.54             | 0.61             | 0.61             | 0.70             | 0.49             | 0.57             | 0.65             | 0.65             | 0.74             | 0.52             | 0.60             | 0.69             | 0.69             | 0.78             |
|                |                    | PI    | 0.72             | 0.73             | 0.73             | 0.73             | 0.73             | 0.77             | 0.77             | 0.77             | 0.77             | 0.77             | 0.81             | 0.81             | 0.82             | 0.82             | 0.82             | 0.86             | 0.86             | 0.86             | 0.86             | 0.87             |
|                | 23°F<br>5°C        | TC    | 22155            | 22185            | 22208            | 22209            | 22239            | 23490            | 23518            | 23541            | 23546            | 23574            | 24893            | 24926            | 24953            | 24958            | 24986            | 26393            | 26422            | 26451            | 26455            | 26488            |
|                |                    | S/T   | 0.43             | 0.51             | 0.58             | 0.58             | 0.66             | 0.46             | 0.54             | 0.61             | 0.61             | 0.70             | 0.49             | 0.57             | 0.65             | 0.65             | 0.74             | 0.52             | 0.61             | 0.69             | 0.69             | 0.79             |
|                |                    | PI    | 0.73             | 0.74             | 0.74             | 0.74             | 0.74             | 0.78             | 0.78             | 0.78             | 0.78             | 0.78             | 0.83             | 0.83             | 0.83             | 0.83             | 0.83             | 0.88             | 0.88             | 0.88             | 0.88             | 0.88             |
|                | 35°F<br>1.7°C      | TC    | 18336            | 18361            | 18381            | 18381            | 18406            | 19441            | 19464            | 19483            | 19487            | 19510            | 20603            | 20629            | 20652            | 20656            | 20679            | 21844            | 21868            | 21891            | 21895            | 21922            |
|                |                    | S/T   | 0.44             | 0.51             | 0.58             | 0.58             | 0.66             | 0.46             | 0.54             | 0.62             | 0.62             | 0.70             | 0.49             | 0.58             | 0.65             | 0.65             | 0.75             | 0.52             | 0.61             | 0.69             | 0.69             | 0.79             |
|                |                    | PI    | 0.76             | 0.76             | 0.76             | 0.76             | 0.76             | 0.80             | 0.80             | 0.80             | 0.80             | 0.81             | 0.85             | 0.85             | 0.85             | 0.85             | 0.85             | 0.90             | 0.90             | 0.90             | 0.90             | 0.90             |
|                | 41°F<br>5°C        | TC    | 21949            | 21979            | 22003            | 22003            | 22033            | 23272            | 23300            | 23323            | 23327            | 23355            | 24662            | 24694            | 24722            | 24727            | 24754            | 26148            | 26177            | 26205            | 26209            | 26242            |
|                |                    | S/T   | 0.44             | 0.51             | 0.58             | 0.58             | 0.67             | 0.46             | 0.54             | 0.62             | 0.62             | 0.71             | 0.49             | 0.58             | 0.66             | 0.66             | 0.75             | 0.52             | 0.61             | 0.70             | 0.70             | 0.79             |
|                |                    | PI    | 0.99             | 0.99             | 1.00             | 1.00             | 1.00             | 1.05             | 1.05             | 1.06             | 1.06             | 1.06             | 1.12             | 1.12             | 1.12             | 1.12             | 1.12             | 1.18             | 1.18             | 1.19             | 1.19             | 1.19             |
|                | 47°F<br>8.3°C      | TC    | 25563            | 25597            | 25624            | 25626            | 25660            | 27103            | 27135            | 27162            | 27167            | 27200            | 28722            | 28760            | 28792            | 28797            | 28829            | 30453            | 30486            | 30519            | 30524            | 30562            |
|                |                    | S/T   | 0.44             | 0.52             | 0.59             | 0.59             | 0.67             | 0.47             | 0.55             | 0.62             | 0.62             | 0.71             | 0.49             | 0.58             | 0.66             | 0.66             | 0.75             | 0.52             | 0.61             | 0.70             | 0.70             | 0.80             |
|                |                    | PI    | 1.23             | 1.23             | 1.23             | 1.23             | 1.24             | 1.30             | 1.31             | 1.31             | 1.31             | 1.31             | 1.38             | 1.38             | 1.39             | 1.39             | 1.39             | 1.47             | 1.47             | 1.47             | 1.47             | 1.47             |
|                | 50°F<br>10°C       | TC    | 25524            | 25558            | 25585            | 25587            | 25621            | 27062            | 27094            | 27121            | 27126            | 27158            | 28679            | 28716            | 28748            | 28753            | 28785            | 30406            | 30440            | 30473            | 30477            | 30515            |
|                |                    | S/T   | 0.44             | 0.52             | 0.59             | 0.59             | 0.67             | 0.47             | 0.55             | 0.62             | 0.62             | 0.71             | 0.50             | 0.58             | 0.66             | 0.66             | 0.75             | 0.53             | 0.62             | 0.70             | 0.70             | 0.80             |
|                |                    | PI    | 1.26             | 1.26             | 1.26             | 1.26             | 1.26             | 1.33             | 1.33             | 1.33             | 1.33             | 1.34             | 1.41             | 1.41             | 1.41             | 1.41             | 1.42             | 1.50             | 1.50             | 1.50             | 1.50             | 1.50             |
|                | 59°F<br>15°C       | TC    | 25407            | 25441            | 25468            | 25469            | 25504            | 26938            | 26970            | 26996            | 27002            | 27034            | 28547            | 28584            | 28616            | 28621            | 28653            | 30267            | 30300            | 30333            | 30338            | 30375            |
|                |                    | S/T   | 0.44             | 0.52             | 0.59             | 0.59             | 0.67             | 0.47             | 0.55             | 0.63             | 0.63             | 0.72             | 0.50             | 0.59             | 0.66             | 0.66             | 0.76             | 0.53             | 0.62             | 0.70             | 0.70             | 0.80             |
|                |                    | PI    | 1.33             | 1.33             | 1.33             | 1.33             | 1.33             | 1.41             | 1.41             | 1.41             | 1.41             | 1.41             | 1.49             | 1.50             | 1.50             | 1.50             | 1.50             | 1.58             | 1.58             | 1.59             | 1.59             | 1.59             |
|                | 68°F<br>20°C       | TC    | 25290            | 25324            | 25351            | 25352            | 25386            | 26814            | 26845            | 26872            | 26877            | 26909            | 28416            | 28453            | 28484            | 28490            | 28521            | 30128            | 30161            | 30193            | 30198            | 30236            |
|                |                    | S/T   | 0.46             | 0.53             | 0.61             | 0.61             | 0.69             | 0.48             | 0.57             | 0.64             | 0.64             | 0.73             | 0.51             | 0.60             | 0.68             | 0.68             | 0.78             | 0.54             | 0.64             | 0.72             | 0.72             | 0.82             |
|                |                    | PI    | 1.40             | 1.40             | 1.41             | 1.41             | 1.41             | 1.49             | 1.49             | 1.49             | 1.49             | 1.49             | 1.58             | 1.58             | 1.58             | 1.58             | 1.58             | 1.67             | 1.67             | 1.67             | 1.68             | 1.68             |
|                | 77°F<br>25°C       | TC    | 25173            | 25207            | 25234            | 25235            | 25269            | 26690            | 26721            | 26748            | 26753            | 26785            | 28284            | 28321            | 28353            | 28358            | 28389            | 29988            | 30021            | 30054            | 30058            | 30096            |
|                |                    | S/T   | 0.46             | 0.54             | 0.62             | 0.62             | 0.70             | 0.49             | 0.57             | 0.65             | 0.65             | 0.74             | 0.52             | 0.61             | 0.69             | 0.69             | 0.79             | 0.55             | 0.64             | 0.73             | 0.73             | 0.84             |
|                |                    | PI    | 1.48             | 1.48             | 1.48             | 1.48             | 1.48             | 1.57             | 1.57             | 1.57             | 1.57             | 1.57             | 1.66             | 1.66             | 1.66             | 1.66             | 1.67             | 1.76             | 1.76             | 1.76             | 1.76             | 1.77             |
|                | 82°F<br>27.8°C     | TC    | 24720            | 24753            | 24780            | 24781            | 24814            | 26209            | 26240            | 26266            | 26272            | 26303            | 27775            | 27811            | 27842            | 27847            | 27879            | 29449            | 29481            | 29513            | 29517            | 29554            |
|                |                    | S/T   | 0.47             | 0.55             | 0.62             | 0.62             | 0.71             | 0.50             | 0.58             | 0.66             | 0.66             | 0.75             | 0.53             | 0.62             | 0.70             | 0.70             | 0.80             | 0.56             | 0.65             | 0.74             | 0.74             | 0.85             |
|                |                    | PI    | 1.54             | 1.54             | 1.54             | 1.54             | 1.55             | 1.63             | 1.63             | 1.64             | 1.64             | 1.64             | 1.73             | 1.73             | 1.73             | 1.74             | 1.74             | 1.83             | 1.84             | 1.84             | 1.84             | 1.84             |
|                | 86°F<br>30°C       | TC    | 23868            | 23900            | 23925            | 23927            | 23959            | 25306            | 25336            | 25361            | 25366            | 25396            | 26818            | 26853            | 26883            | 26888            | 26918            | 28434            | 28465            | 28496            | 28500            | 28536            |
|                |                    | S/T   | 0.47             | 0.56             | 0.63             | 0.63             | 0.72             | 0.50             | 0.59             | 0.67             | 0.67             | 0.76             | 0.53             | 0.62             | 0.71             | 0.71             | 0.81             | 0.56             | 0.66             | 0.75             | 0.75             | 0.86             |
|                |                    | PI    | 1.62             | 1.62             |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |

Table 19 – High Wall Cooling Performance (24K) (Continued)

| Airflow<br>CFM | Out-<br>door<br>DB | ID WB | 60.8°F (16.0°C)  |                  |                  |                  |                  | 64.4°F (16.0°C)  |                  |                  |                  |                  | 67.0°F (19.4°C)  |                  |                  |                  |                  | 71.6°F (22.0°C)  |                  |                  |                  |                  |
|----------------|--------------------|-------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
|                |                    | ID DB | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C | 73.4°F<br>23.0°C | 77.0°F<br>25.0°C | 80.0°F<br>26.7°C | 80.6°F<br>27.0°C | 84.2°F<br>29.0°C |
| 441            | -22°F<br>30°C      | TC    | 19092            | 19118            | 19138            | 19139            | 19165            | 20243            | 20267            | 20287            | 20291            | 20315            | 21452            | 21480            | 21504            | 21508            | 21532            | 22745            | 22769            | 22794            | 22798            | 22826            |
|                |                    | S/T   | 0.48             | 0.56             | 0.63             | 0.63             | 0.72             | 0.50             | 0.59             | 0.67             | 0.67             | 0.77             | 0.53             | 0.63             | 0.71             | 0.71             | 0.81             | 0.57             | 0.67             | 0.76             | 0.76             | 0.86             |
|                |                    | PI    | 1.04             | 1.04             | 1.04             | 1.04             | 1.04             | 1.10             | 1.10             | 1.10             | 1.10             | 1.10             | 1.16             | 1.17             | 1.17             | 1.17             | 1.17             | 1.23             | 1.24             | 1.24             | 1.24             | 1.24             |
|                | -13°F<br>25°C      | TC    | 20683            | 20711            | 20733            | 20734            | 20762            | 21929            | 21955            | 21977            | 21981            | 22008            | 23240            | 23270            | 23296            | 23300            | 23326            | 24640            | 24667            | 24694            | 24697            | 24728            |
|                |                    | S/T   | 0.48             | 0.56             | 0.64             | 0.64             | 0.73             | 0.51             | 0.60             | 0.68             | 0.68             | 0.77             | 0.54             | 0.63             | 0.72             | 0.72             | 0.82             | 0.57             | 0.67             | 0.76             | 0.76             | 0.87             |
|                |                    | PI    | 1.12             | 1.12             | 1.13             | 1.13             | 1.13             | 1.19             | 1.19             | 1.19             | 1.19             | 1.19             | 1.26             | 1.26             | 1.26             | 1.26             | 1.27             | 1.34             | 1.34             | 1.34             | 1.34             | 1.34             |
|                | -4°F<br>20°C       | TC    | 22274            | 22304            | 22328            | 22329            | 22359            | 23616            | 23644            | 23668            | 23672            | 23700            | 25027            | 25060            | 25088            | 25092            | 25120            | 26535            | 26564            | 26593            | 26597            | 26630            |
|                |                    | S/T   | 0.48             | 0.57             | 0.64             | 0.64             | 0.73             | 0.51             | 0.60             | 0.68             | 0.68             | 0.78             | 0.54             | 0.64             | 0.72             | 0.72             | 0.82             | 0.57             | 0.67             | 0.77             | 0.77             | 0.87             |
|                |                    | PI    | 1.21             | 1.21             | 1.21             | 1.21             | 1.21             | 1.28             | 1.28             | 1.28             | 1.28             | 1.29             | 1.36             | 1.36             | 1.36             | 1.36             | 1.36             | 1.44             | 1.44             | 1.44             | 1.44             | 1.45             |
|                | 0°F<br>17.8°C      | TC    | 22981            | 23012            | 23037            | 23038            | 23069            | 24366            | 24395            | 24419            | 24424            | 24453            | 25822            | 25855            | 25884            | 25889            | 25918            | 27378            | 27407            | 27437            | 27442            | 27476            |
|                |                    | S/T   | 0.48             | 0.57             | 0.64             | 0.64             | 0.73             | 0.51             | 0.60             | 0.68             | 0.68             | 0.78             | 0.54             | 0.64             | 0.72             | 0.72             | 0.83             | 0.58             | 0.68             | 0.77             | 0.77             | 0.88             |
|                |                    | PI    | 1.25             | 1.25             | 1.25             | 1.25             | 1.25             | 1.32             | 1.32             | 1.33             | 1.33             | 1.33             | 1.40             | 1.40             | 1.40             | 1.41             | 1.41             | 1.49             | 1.49             | 1.49             | 1.49             | 1.49             |
|                | 5°F<br>15°C        | TC    | 23865            | 23897            | 23923            | 23924            | 23956            | 25303            | 25333            | 25358            | 25363            | 25393            | 26815            | 26850            | 26880            | 26885            | 26915            | 28431            | 28462            | 28493            | 28497            | 28532            |
|                |                    | S/T   | 0.49             | 0.57             | 0.65             | 0.65             | 0.74             | 0.51             | 0.60             | 0.69             | 0.69             | 0.78             | 0.55             | 0.64             | 0.73             | 0.73             | 0.83             | 0.58             | 0.68             | 0.77             | 0.77             | 0.88             |
|                |                    | PI    | 1.30             | 1.30             | 1.30             | 1.30             | 1.30             | 1.37             | 1.38             | 1.38             | 1.38             | 1.38             | 1.46             | 1.46             | 1.46             | 1.46             | 1.46             | 1.54             | 1.54             | 1.55             | 1.55             | 1.55             |
|                | 14°F<br>10°C       | TC    | 26326            | 26361            | 26389            | 26391            | 26426            | 27912            | 27945            | 27973            | 27978            | 28012            | 29580            | 29618            | 29651            | 29657            | 29690            | 31362            | 31396            | 31430            | 31435            | 31474            |
|                |                    | S/T   | 0.49             | 0.57             | 0.65             | 0.65             | 0.74             | 0.52             | 0.61             | 0.69             | 0.69             | 0.78             | 0.55             | 0.64             | 0.73             | 0.73             | 0.83             | 0.58             | 0.68             | 0.77             | 0.77             | 0.88             |
|                |                    | PI    | 0.94             | 0.94             | 0.94             | 0.94             | 0.94             | 0.99             | 0.99             | 1.00             | 1.00             | 1.00             | 1.05             | 1.05             | 1.05             | 1.05             | 1.06             | 1.12             | 1.12             | 1.12             | 1.12             | 1.12             |
|                | 17°F<br>10°C       | TC    | 27146            | 27182            | 27212            | 27213            | 27249            | 28782            | 28816            | 28844            | 28850            | 28884            | 30501            | 30541            | 30575            | 30581            | 30615            | 32339            | 32374            | 32409            | 32414            | 32455            |
|                |                    | S/T   | 0.49             | 0.57             | 0.65             | 0.65             | 0.74             | 0.52             | 0.61             | 0.69             | 0.69             | 0.79             | 0.55             | 0.64             | 0.73             | 0.73             | 0.83             | 0.58             | 0.68             | 0.78             | 0.78             | 0.88             |
|                |                    | PI    | 0.82             | 0.82             | 0.82             | 0.82             | 0.82             | 0.87             | 0.87             | 0.87             | 0.87             | 0.87             | 0.92             | 0.92             | 0.92             | 0.92             | 0.92             | 0.97             | 0.97             | 0.98             | 0.98             | 0.98             |
|                | 23°F<br>5°C        | TC    | 24992            | 25026            | 25053            | 25054            | 25087            | 26498            | 26529            | 26556            | 26561            | 26592            | 28081            | 28118            | 28149            | 28154            | 28186            | 29773            | 29806            | 29838            | 29843            | 29880            |
|                |                    | S/T   | 0.49             | 0.58             | 0.65             | 0.65             | 0.75             | 0.52             | 0.61             | 0.69             | 0.69             | 0.79             | 0.55             | 0.65             | 0.74             | 0.74             | 0.84             | 0.58             | 0.69             | 0.78             | 0.78             | 0.89             |
|                |                    | PI    | 0.83             | 0.83             | 0.83             | 0.83             | 0.83             | 0.88             | 0.88             | 0.88             | 0.88             | 0.88             | 0.93             | 0.93             | 0.93             | 0.93             | 0.94             | 0.99             | 0.99             | 0.99             | 0.99             | 0.99             |
|                | 35°F<br>1.7°C      | TC    | 20684            | 20712            | 20734            | 20735            | 20763            | 21931            | 21957            | 21978            | 21983            | 22009            | 23241            | 23271            | 23297            | 23301            | 23327            | 24641            | 24668            | 24695            | 24699            | 24730            |
|                |                    | S/T   | 0.49             | 0.58             | 0.66             | 0.66             | 0.75             | 0.52             | 0.61             | 0.70             | 0.70             | 0.79             | 0.55             | 0.65             | 0.74             | 0.74             | 0.84             | 0.59             | 0.69             | 0.78             | 0.78             | 0.89             |
|                |                    | PI    | 0.85             | 0.85             | 0.86             | 0.86             | 0.86             | 0.91             | 0.91             | 0.91             | 0.91             | 0.91             | 0.96             | 0.96             | 0.96             | 0.96             | 0.96             | 1.02             | 1.02             | 1.02             | 1.02             | 1.02             |
|                | 41°F<br>5°C        | TC    | 24760            | 24793            | 24820            | 24821            | 24855            | 26252            | 26283            | 26309            | 26315            | 26346            | 27821            | 27857            | 27888            | 27893            | 27924            | 29497            | 29529            | 29561            | 29566            | 29603            |
|                |                    | S/T   | 0.49             | 0.58             | 0.66             | 0.66             | 0.75             | 0.52             | 0.61             | 0.70             | 0.70             | 0.80             | 0.56             | 0.65             | 0.74             | 0.74             | 0.84             | 0.59             | 0.69             | 0.78             | 0.78             | 0.89             |
|                |                    | PI    | 1.12             | 1.12             | 1.12             | 1.12             | 1.13             | 1.19             | 1.19             | 1.19             | 1.19             | 1.19             | 1.26             | 1.26             | 1.26             | 1.26             | 1.26             | 1.34             | 1.34             | 1.34             | 1.34             | 1.34             |
|                | 47°F<br>8.3°C      | TC    | 28836            | 28875            | 28906            | 28907            | 28946            | 30574            | 30610            | 30640            | 30646            | 30683            | 32401            | 32443            | 32479            | 32485            | 32521            | 34353            | 34390            | 34428            | 34433            | 34476            |
|                |                    | S/T   | 0.50             | 0.58             | 0.66             | 0.66             | 0.75             | 0.53             | 0.62             | 0.70             | 0.70             | 0.80             | 0.56             | 0.65             | 0.74             | 0.74             | 0.85             | 0.59             | 0.69             | 0.79             | 0.79             | 0.90             |
|                |                    | PI    | 1.39             | 1.39             | 1.39             | 1.39             | 1.39             | 1.47             | 1.47             | 1.47             | 1.48             | 1.48             | 1.56             | 1.56             | 1.56             | 1.56             | 1.57             | 1.65             | 1.66             | 1.66             | 1.66             | 1.66             |
|                | 50°F<br>10°C       | TC    | 28792            | 28831            | 28862            | 28863            | 28902            | 30527            | 30563            | 30594            | 30600            | 30636            | 32351            | 32393            | 32429            | 32435            | 32472            | 34300            | 34338            | 34375            | 34380            | 34423            |
|                |                    | S/T   | 0.50             | 0.58             | 0.66             | 0.66             | 0.76             | 0.53             | 0.62             | 0.70             | 0.70             | 0.80             | 0.56             | 0.66             | 0.75             | 0.75             | 0.85             | 0.59             | 0.70             | 0.79             | 0.79             | 0.90             |
|                |                    | PI    | 1.42             | 1.42             | 1.42             | 1.42             | 1.42             | 1.50             | 1.50             | 1.50             | 1.50             | 1.51             | 1.59             | 1.59             | 1.59             | 1.59             | 1.60             | 1.69             | 1.69             | 1.69             | 1.69             | 1.69             |
|                | 59°F<br>15°C       | TC    | 28660            | 28699            | 28730            | 28731            | 28770            | 30387            | 30423            | 30453            | 30459            | 30496            | 32203            | 32245            | 32281            | 32287            | 32323            | 34143            | 34180            | 34218            | 34223            | 34265            |
|                |                    | S/T   | 0.50             | 0.59             | 0.67             | 0.67             | 0.76             | 0.53             | 0.62             | 0.71             | 0.71             | 0.81             | 0.56             | 0.66             | 0.75             | 0.75             | 0.86             | 0.60             | 0.70             | 0.80             | 0.80             | 0.91             |
|                |                    | PI    | 1.50             | 1.50             | 1.50             | 1.50             | 1.50             | 1.59             | 1.59             | 1.59             | 1.59             | 1.60             | 1.68             | 1.69             | 1.69             | 1.69             | 1.69             | 1.79             | 1.79             | 1.79             | 1.79             | 1.79             |
|                | 68°F<br>20°C       | TC    | 28528            | 28567            | 28597            | 28599            | 28637            | 30248            | 30283            | 30313            | 30319            | 30355            | 32055            | 32096            | 32132            | 32138            | 32174            | 33986            | 34023            | 34060            | 34065            | 34108            |
|                |                    | S/T   | 0.51             | 0.60             | 0.69             | 0.69             | 0.78             | 0.54             | 0.64             | 0.73             | 0.73             | 0.83             | 0.58             | 0.68             | 0.77             | 0.77             | 0.88             | 0.61             | 0.72             | 0.82             | 0.82             | 0.93             |
|                |                    | PI    | 1.58             | 1.58             | 1.59             | 1.59             | 1.59             | 1.68             | 1.68             | 1.68             | 1.68             | 1.68             | 1.78             | 1.78             | 1.78             | 1.78             | 1.78             | 1.89             | 1.89             | 1.89             | 1.89             | 1.89             |
|                | 77°F<br>25°C       | TC    | 28396            | 28435            | 28465            | 28466            | 28505            | 30108            | 30143            | 30173            | 30179            | 30215            | 31906            | 31948            | 31983            | 31989            | 32025            | 33829            | 33866            | 33902            | 33908            | 33950            |
|                |                    | S/T   | 0.52             | 0.61             | 0.69             | 0.69             | 0.79             | 0.55             | 0.65             | 0.74             | 0.74             | 0.84             | 0.59             | 0.69             | 0.78             | 0.78             | 0.89             | 0.62             | 0.73             | 0.83             | 0.83             | 0.94             |
|                |                    | PI    | 1.67             | 1.67             | 1.67             | 1.67             | 1.67             | 1.77             | 1.77             | 1.77             | 1.77             | 1.77             | 1.87             | 1.87             | 1.88             | 1.88             | 1.88             | 1.98             | 1.99             | 1.99             | 1.99             | 1.99             |
|                | 82°F<br>27.8°C     | TC    | 27885            | 27923            | 27953            | 27954            | 27992            | 29566            | 29601            | 29630            | 29636            | 29671            | 31332            | 31373            | 31408            | 31414            | 31449            | 33220            | 33256            | 33292            | 33298            | 33339            |
|                |                    | S/T   | 0.53             | 0.62             | 0.70             | 0.70             | 0.80             | 0.56             | 0.66             | 0.75             | 0.75             | 0.85             | 0.59             | 0.70             | 0.79             | 0.79             | 0.90             | 0.63             | 0.74             | 0.84             | 0.84             | 0.95             |
|                |                    | PI    | 1.74             | 1.74             | 1.74             | 1.74             | 1.74             | 1.84             | 1.84             | 1.85             | 1.85             | 1.85             | 1.95             | 1.95             | 1.96             | 1.96             | 1.96             | 2.07             | 2.07             | 2.07             | 2.07             | 2.08             |
|                | 86°F<br>30°C       | TC    | 26924            | 26960            | 26989            | 26991            | 27027            | 28547            | 28581            | 28609            | 28614            | 28648            | 30252            | 30292            | 30325            | 30331            | 30365            | 32075            | 32110            | 32145            | 32150            | 32190            |
|                |                    | S/T   | 0.53             | 0.63             | 0.71             | 0.71             | 0.81             | 0.57             | 0.66             | 0.75             | 0.75             | 0.86             | 0.60             | 0.70             | 0.80             | 0.80             | 0.91             | 0.64             | 0.75             | 0.85             | 0.85             | 0.97             |
|                |                    | PI    | 1.83             | 1.83             | 1.83             | 1.83             | 1.83             | 1.94             | 1.94             | 1.94             | 1.94             | 1.94             | 2.05             | 2.05             | 2.06             | 2.06             | 2.06             | 2.18             | 2.18             | 2.18</           |                  |                  |

**Table 20 — High Wall Heating Performance (24K)**

HEATING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 24 (Sheet 1 of 2)

| AIRFLOW<br>(CFM) | OUTDOOR<br>DB (°F) | TC: Total Heating Capacity (BTU/hr) |                  |                  |                    |                    | PI: Power Input (kW)     |                  |                  |                    |                    |
|------------------|--------------------|-------------------------------------|------------------|------------------|--------------------|--------------------|--------------------------|------------------|------------------|--------------------|--------------------|
|                  |                    | Indoor Conditions (DB°F)            |                  |                  |                    |                    | Indoor Conditions (DB°F) |                  |                  |                    |                    |
|                  |                    | 60.8°F<br>(16.0°C)                  | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) | 60.8°F<br>(16.0°C)       | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) |
| 318              | -22°F<br>(-30.0°C) | 9296                                | 9110             | 9064             | 5634               | 5583               | 2.43                     | 2.45             | 2.46             | 2.46               | 2.47               |
|                  | -13°F<br>(-25.0°C) | 11742                               | 11507            | 11449            | 6842               | 6781               | 2.61                     | 2.63             | 2.64             | 2.64               | 2.65               |
|                  | -4°F<br>(-20.0°C)  | 14633                               | 14340            | 14268            | 8527               | 8450               | 2.67                     | 2.69             | 2.69             | 2.70               | 2.71               |
|                  | 0°F<br>(-17.8°C)   | 16007                               | 15686            | 15608            | 9327               | 9244               | 2.77                     | 2.79             | 2.80             | 2.81               | 2.82               |
|                  | 5°F<br>(-15.0°C)   | 17724                               | 17369            | 17282            | 10328              | 10235              | 2.90                     | 2.93             | 2.93             | 2.94               | 2.95               |
|                  | 14°F<br>(-10.0°C)  | 18119                               | 17756            | 17667            | 10558              | 10463              | 2.95                     | 2.98             | 2.98             | 2.99               | 3.00               |
|                  | 17°F<br>(-8.3°C)   | 18250                               | 17885            | 17796            | 10635              | 10539              | 2.97                     | 2.99             | 3.00             | 3.01               | 3.02               |
|                  | 22°F<br>(-5.6°C)   | 19171                               | 18788            | 18694            | 11172              | 11071              | 2.97                     | 2.99             | 3.00             | 3.01               | 3.02               |
|                  | 27°F<br>(-2.8°C)   | 20092                               | 19690            | 19592            | 11708              | 11603              | 2.97                     | 2.99             | 3.00             | 3.01               | 3.02               |
|                  | 32°F<br>(-0.0°C)   | 21013                               | 20593            | 20490            | 12245              | 12135              | 2.97                     | 2.99             | 3.00             | 3.01               | 3.02               |
|                  | 35°F<br>(1.7°C)    | 21565                               | 21134            | 21028            | 12567              | 12454              | 2.97                     | 2.99             | 3.00             | 3.01               | 3.02               |
|                  | 37°F<br>(2.8°C)    | 21509                               | 21079            | 20973            | 12534              | 12421              | 2.87                     | 2.89             | 2.89             | 2.90               | 2.91               |
|                  | 42°F<br>(5.6°C)    | 21368                               | 20940            | 20836            | 12452              | 12340              | 2.60                     | 2.63             | 2.63             | 2.64               | 2.65               |
|                  | 44.6°F<br>(7.0°C)  | 21311                               | 20885            | 20781            | 12419              | 12307              | 2.50                     | 2.52             | 2.53             | 2.53               | 2.54               |
|                  | 47°F<br>(8.3°C)    | 21226                               | 20802            | 20698            | 12369              | 12258              | 2.34                     | 2.36             | 2.37             | 2.37               | 2.38               |
|                  | 52°F<br>(11.1°C)   | 20801                               | 20385            | 20283            | 12121              | 12012              | 2.16                     | 2.18             | 2.19             | 2.19               | 2.20               |
|                  | 57°F<br>(13.9°C)   | 20375                               | 19967            | 19867            | 11873              | 11766              | 1.98                     | 2.00             | 2.00             | 2.01               | 2.02               |
|                  | 59°F<br>(15.0°C)   | 20204                               | 19800            | 19701            | 11774              | 11668              | 1.91                     | 1.93             | 1.93             | 1.93               | 1.94               |
|                  | 62°F<br>(16.7°C)   | 19949                               | 19550            | 19452            | 11625              | 11520              | 1.80                     | 1.82             | 1.82             | 1.83               | 1.83               |
|                  | 64.4°F<br>(18.0°C) | 19779                               | 19383            | 19286            | 11526              | 11422              | 1.73                     | 1.74             | 1.75             | 1.75               | 1.76               |
| 412              | -22°F<br>(-30.0°C) | 10694                               | 10480            | 10427            | 8204               | 8130               | 2.46                     | 2.48             | 2.48             | 2.49               | 2.50               |
|                  | -13°F<br>(-25.0°C) | 13246                               | 12981            | 12916            | 9965               | 9875               | 2.64                     | 2.66             | 2.66             | 2.67               | 2.68               |
|                  | -4°F<br>(-20.0°C)  | 16507                               | 16177            | 16096            | 12418              | 12306              | 2.69                     | 2.72             | 2.72             | 2.73               | 2.74               |
|                  | 0°F<br>(-17.8°C)   | 18056                               | 17695            | 17607            | 13584              | 13461              | 2.80                     | 2.82             | 2.83             | 2.83               | 2.85               |
|                  | 5°F<br>(-15.0°C)   | 19993                               | 19594            | 19496            | 15041              | 14906              | 2.93                     | 2.96             | 2.96             | 2.97               | 2.98               |
|                  | 14°F<br>(-10.0°C)  | 20439                               | 20030            | 19930            | 15376              | 15238              | 2.98                     | 3.01             | 3.01             | 3.02               | 3.03               |
|                  | 17°F<br>(-8.3°C)   | 20587                               | 20176            | 20075            | 15488              | 15348              | 3.00                     | 3.02             | 3.03             | 3.04               | 3.05               |
|                  | 22°F<br>(-5.6°C)   | 21626                               | 21194            | 21088            | 16269              | 16123              | 3.00                     | 3.02             | 3.03             | 3.04               | 3.05               |
|                  | 27°F<br>(-2.8°C)   | 22665                               | 22212            | 22101            | 17051              | 16897              | 3.00                     | 3.02             | 3.03             | 3.04               | 3.05               |
|                  | 32°F<br>(-0.0°C)   | 23704                               | 23230            | 23114            | 17832              | 17672              | 3.00                     | 3.02             | 3.03             | 3.04               | 3.05               |
|                  | 35°F<br>(1.7°C)    | 24327                               | 23840            | 23721            | 18301              | 18136              | 3.00                     | 3.02             | 3.03             | 3.04               | 3.05               |
|                  | 37°F<br>(2.8°C)    | 24263                               | 23778            | 23659            | 18253              | 18089              | 2.89                     | 2.92             | 2.92             | 2.93               | 2.94               |
|                  | 42°F<br>(5.6°C)    | 24104                               | 23622            | 23504            | 18133              | 17970              | 2.63                     | 2.65             | 2.66             | 2.66               | 2.67               |
|                  | 44.6°F<br>(7.0°C)  | 24040                               | 23560            | 23442            | 18085              | 17923              | 2.53                     | 2.55             | 2.55             | 2.56               | 2.57               |
|                  | 47°F<br>(8.3°C)    | 23945                               | 23466            | 23349            | 18014              | 17851              | 2.37                     | 2.39             | 2.39             | 2.40               | 2.41               |
|                  | 52°F<br>(11.1°C)   | 23464                               | 22995            | 22880            | 17652              | 17493              | 2.19                     | 2.20             | 2.21             | 2.21               | 2.22               |
|                  | 57°F<br>(13.9°C)   | 22984                               | 22524            | 22412            | 17291              | 17135              | 2.00                     | 2.02             | 2.02             | 2.03               | 2.04               |
|                  | 59°F<br>(15.0°C)   | 22792                               | 22336            | 22224            | 17146              | 16992              | 1.93                     | 1.95             | 1.95             | 1.95               | 1.96               |
|                  | 62°F<br>(16.7°C)   | 22504                               | 22054            | 21943            | 16929              | 16777              | 1.82                     | 1.84             | 1.84             | 1.84               | 1.85               |
|                  | 64.4°F<br>(18.0°C) | 22311                               | 21865            | 21756            | 16785              | 16634              | 1.75                     | 1.76             | 1.77             | 1.77               | 1.78               |

## HEATING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 24 (Sheet 2 of 2)

| AIRFLOW<br>(CFM) | OUTDOOR<br>DB (°F) | TC: Total Heating Capacity (BTU/hr) |                  |                  |                    |                    | PI: Power Input (kW)     |                  |                  |                    |                    |
|------------------|--------------------|-------------------------------------|------------------|------------------|--------------------|--------------------|--------------------------|------------------|------------------|--------------------|--------------------|
|                  |                    | Indoor Conditions (DB°F)            |                  |                  |                    |                    | Indoor Conditions (DB°F) |                  |                  |                    |                    |
|                  |                    | 60.8°F<br>(16.0°C)                  | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) | 60.8°F<br>(16.0°C)       | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) |
| 618              | -22°F<br>(-30.0°C) | 12302                               | 12056            | 11996            | 11948              | 11840              | 2.48                     | 2.50             | 2.51             | 2.51               | 2.52               |
|                  | -13°F<br>(-25.0°C) | 14942                               | 14643            | 14570            | 14511              | 14381              | 2.66                     | 2.69             | 2.69             | 2.70               | 2.71               |
|                  | -4°F<br>(-20.0°C)  | 18621                               | 18248            | 18157            | 18084              | 17922              | 2.72                     | 2.74             | 2.75             | 2.75               | 2.76               |
|                  | 0°F<br>(-17.8°C)   | 20369                               | 19961            | 19862            | 19782              | 19604              | 2.83                     | 2.85             | 2.86             | 2.86               | 2.87               |
|                  | 5°F<br>(-15.0°C)   | 22554                               | 22103            | 21992            | 21904              | 21707              | 2.96                     | 2.99             | 2.99             | 3.00               | 3.01               |
|                  | 14°F<br>(-10.0°C)  | 23056                               | 22595            | 22482            | 22392              | 22191              | 3.01                     | 3.04             | 3.04             | 3.05               | 3.06               |
|                  | 17°F<br>(-8.3°C)   | 23224                               | 22759            | 22646            | 22555              | 22352              | 3.03                     | 3.05             | 3.06             | 3.07               | 3.08               |
|                  | 22°F<br>(-5.6°C)   | 24396                               | 23908            | 23788            | 23693              | 23480              | 3.03                     | 3.05             | 3.06             | 3.07               | 3.08               |
|                  | 27°F<br>(-2.8°C)   | 25568                               | 25056            | 24931            | 24831              | 24608              | 3.03                     | 3.05             | 3.06             | 3.07               | 3.08               |
|                  | 32°F<br>(-0.0°C)   | 26739                               | 26205            | 26074            | 25969              | 25736              | 3.03                     | 3.05             | 3.06             | 3.07               | 3.08               |
|                  | 35°F<br>(1.7°C)    | 27442                               | 26894            | 26759            | 26652              | 26412              | 3.03                     | 3.05             | 3.06             | 3.07               | 3.08               |
|                  | 37°F<br>(2.8°C)    | 27371                               | 26823            | 26689            | 26582              | 26343              | 2.92                     | 2.95             | 2.95             | 2.96               | 2.97               |
|                  | 42°F<br>(5.6°C)    | 27191                               | 26647            | 26514            | 26408              | 26170              | 2.66                     | 2.68             | 2.68             | 2.69               | 2.70               |
|                  | 44.6°F<br>(7.0°C)  | 27119                               | 26577            | 26444            | 26338              | 26101              | 2.55                     | 2.57             | 2.58             | 2.58               | 2.59               |
|                  | 47°F<br>(8.3°C)    | 27011                               | 26471            | 26339            | 26233              | 25997              | 2.39                     | 2.41             | 2.42             | 2.42               | 2.43               |
|                  | 52°F<br>(11.1°C)   | 26469                               | 25940            | 25810            | 25707              | 25476              | 2.21                     | 2.23             | 2.23             | 2.23               | 2.24               |
|                  | 57°F<br>(13.9°C)   | 25927                               | 25409            | 25282            | 25181              | 24954              | 2.02                     | 2.04             | 2.04             | 2.05               | 2.06               |
|                  | 59°F<br>(15.0°C)   | 25711                               | 25196            | 25070            | 24970              | 24745              | 1.95                     | 1.97             | 1.97             | 1.97               | 1.98               |
| 718              | 62°F<br>(16.7°C)   | 25386                               | 24878            | 24753            | 24654              | 24433              | 1.84                     | 1.85             | 1.86             | 1.86               | 1.87               |
|                  | 64.4°F<br>(18.0°C) | 25169                               | 24665            | 24542            | 24444              | 24224              | 1.77                     | 1.78             | 1.78             | 1.79               | 1.79               |
|                  | -22°F<br>(-30.0°C) | 13878                               | 13600            | 13532            | 13478              | 13357              | 2.51                     | 2.53             | 2.53             | 2.54               | 2.55               |
|                  | -13°F<br>(-25.0°C) | 16855                               | 16518            | 16436            | 16370              | 16223              | 2.69                     | 2.71             | 2.72             | 2.72               | 2.73               |
|                  | -4°F<br>(-20.0°C)  | 21005                               | 20585            | 20482            | 20400              | 20217              | 2.75                     | 2.77             | 2.78             | 2.78               | 2.79               |
|                  | 0°F<br>(-17.8°C)   | 22977                               | 22518            | 22405            | 22315              | 22115              | 2.86                     | 2.88             | 2.89             | 2.89               | 2.90               |
|                  | 5°F<br>(-15.0°C)   | 25442                               | 24933            | 24809            | 24709              | 24487              | 2.99                     | 3.02             | 3.02             | 3.03               | 3.04               |
|                  | 14°F<br>(-10.0°C)  | 26009                               | 25489            | 25361            | 25260              | 25033              | 3.04                     | 3.07             | 3.07             | 3.08               | 3.09               |
|                  | 17°F<br>(-8.3°C)   | 26198                               | 25674            | 25546            | 25443              | 25214              | 3.06                     | 3.08             | 3.09             | 3.10               | 3.11               |
|                  | 22°F<br>(-5.6°C)   | 27520                               | 26969            | 26835            | 26727              | 26487              | 3.06                     | 3.08             | 3.09             | 3.10               | 3.11               |
|                  | 27°F<br>(-2.8°C)   | 28842                               | 28265            | 28124            | 28011              | 27759              | 3.06                     | 3.08             | 3.09             | 3.10               | 3.11               |
|                  | 32°F<br>(-0.0°C)   | 30164                               | 29560            | 29413            | 29295              | 29031              | 3.06                     | 3.08             | 3.09             | 3.10               | 3.11               |
|                  | 35°F<br>(1.7°C)    | 30957                               | 30338            | 30186            | 30065              | 29795              | 3.06                     | 3.08             | 3.09             | 3.10               | 3.11               |
|                  | 37°F<br>(2.8°C)    | 30876                               | 30258            | 30107            | 29986              | 29717              | 2.95                     | 2.98             | 2.98             | 2.99               | 3.00               |
|                  | 42°F<br>(5.6°C)    | 30673                               | 30060            | 29909            | 29790              | 29522              | 2.68                     | 2.71             | 2.71             | 2.72               | 2.73               |
|                  | 44.6°F<br>(7.0°C)  | 30592                               | 29980            | 29830            | 29711              | 29444              | 2.58                     | 2.60             | 2.60             | 2.61               | 2.62               |
|                  | 47°F<br>(8.3°C)    | 30470                               | 29861            | 29712            | 29593              | 29327              | 2.42                     | 2.44             | 2.44             | 2.45               | 2.46               |
|                  | 52°F<br>(11.1°C)   | 29859                               | 29262            | 29116            | 28999              | 28738              | 2.23                     | 2.25             | 2.25             | 2.26               | 2.27               |
|                  | 57°F<br>(13.9°C)   | 29248                               | 28663            | 28520            | 28405              | 28150              | 2.04                     | 2.06             | 2.07             | 2.07               | 2.08               |
|                  | 59°F<br>(15.0°C)   | 29003                               | 28423            | 28281            | 28168              | 27914              | 1.97                     | 1.99             | 1.99             | 1.99               | 2.00               |
|                  | 62°F<br>(16.7°C)   | 28636                               | 28064            | 27923            | 27812              | 27561              | 1.86                     | 1.87             | 1.88             | 1.88               | 1.89               |
|                  | 64.4°F<br>(18.0°C) | 28392                               | 27824            | 27685            | 27574              | 27326              | 1.78                     | 1.80             | 1.80             | 1.81               | 1.81               |

NOTE: Values in grey are extrapolated based on tested performance.

**Table 21 — High Wall Cooling Performance (33K)**

COOLING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 33 (Sheet 1 of 4)

| AIRFLOW<br>(CFM) | OUTDOOR<br>DB (°F) | ID WB<br>(°F) | 60.8°F (16.0°C) |                    |                    |                    |                    | 64.4°F (18.0°C)    |                    |                    |                    |                    | 67°F (19.4°C)      |                    |                    |                    |                    | 71.6°F (22.0°C)    |                    |                    |                    |                    |                    |
|------------------|--------------------|---------------|-----------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                  |                    |               | ID DB<br>(°F)   | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) |
|                  |                    |               |                 |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |
| 424              | -22°F<br>(-30.0°C) | TC            | 16550           | 16573              | 16590              | 16591              | 16614              | 17548              | 17568              | 17586              | 17589              | 17610              | 18596              | 18620              | 18641              | 18644              | 18665              | 19717              | 19738              | 19759              | 19763              | 19787              |                    |
|                  |                    | S/T           | 0.32            | 0.38               | 0.43               | 0.43               | 0.49               | 0.34               | 0.40               | 0.45               | 0.45               | 0.52               | 0.36               | 0.42               | 0.48               | 0.48               | 0.55               | 0.38               | 0.45               | 0.51               | 0.51               | 0.58               |                    |
|                  |                    | PI            | 1.24            | 1.24               | 1.25               | 1.25               | 1.25               | 1.32               | 1.32               | 1.32               | 1.32               | 1.32               | 1.40               | 1.40               | 1.40               | 1.40               | 1.40               | 1.48               | 1.48               | 1.48               | 1.48               | 1.49               |                    |
|                  | -13°F<br>(-25.0°C) | TC            | 17929           | 17954              | 17973              | 17974              | 17998              | 19010              | 19033              | 19051              | 19055              | 19078              | 20146              | 20172              | 20194              | 20198              | 20221              | 21360              | 21383              | 21406              | 21409              | 21436              |                    |
|                  |                    | S/T           | 0.32            | 0.38               | 0.43               | 0.43               | 0.49               | 0.34               | 0.40               | 0.46               | 0.46               | 0.52               | 0.36               | 0.42               | 0.48               | 0.48               | 0.55               | 0.38               | 0.45               | 0.51               | 0.51               | 0.58               |                    |
|                  |                    | PI            | 1.35            | 1.35               | 1.35               | 1.35               | 1.35               | 1.43               | 1.43               | 1.43               | 1.43               | 1.43               | 1.51               | 1.51               | 1.52               | 1.52               | 1.52               | 1.60               | 1.61               | 1.61               | 1.61               | 1.61               |                    |
|                  | -4°F<br>(-20.0°C)  | TC            | 19309           | 19335              | 19355              | 19356              | 19382              | 20472              | 20497              | 20517              | 20521              | 20545              | 21695              | 21724              | 21748              | 21752              | 21776              | 23003              | 23028              | 23053              | 23056              | 23085              |                    |
|                  |                    | S/T           | 0.32            | 0.38               | 0.43               | 0.43               | 0.49               | 0.34               | 0.40               | 0.46               | 0.46               | 0.52               | 0.36               | 0.43               | 0.49               | 0.49               | 0.55               | 0.39               | 0.45               | 0.51               | 0.51               | 0.59               |                    |
|                  |                    | PI            | 1.45            | 1.45               | 1.45               | 1.45               | 1.46               | 1.54               | 1.54               | 1.54               | 1.54               | 1.54               | 1.63               | 1.63               | 1.63               | 1.63               | 1.64               | 1.73               | 1.73               | 1.73               | 1.73               | 1.73               |                    |
|                  | 0°F<br>(-17.8°C)   | TC            | 19922           | 19948              | 19970              | 19971              | 19998              | 21122              | 21147              | 21168              | 21172              | 21197              | 22384              | 22413              | 22438              | 22442              | 22467              | 23733              | 23759              | 23785              | 23788              | 23818              |                    |
|                  |                    | S/T           | 0.32            | 0.38               | 0.43               | 0.43               | 0.49               | 0.34               | 0.40               | 0.46               | 0.46               | 0.52               | 0.36               | 0.43               | 0.49               | 0.49               | 0.55               | 0.39               | 0.45               | 0.52               | 0.52               | 0.59               |                    |
|                  |                    | PI            | 1.50            | 1.50               | 1.50               | 1.50               | 1.50               | 1.59               | 1.59               | 1.59               | 1.59               | 1.59               | 1.68               | 1.68               | 1.68               | 1.69               | 1.69               | 1.78               | 1.78               | 1.79               | 1.79               | 1.79               |                    |
|                  | 5°F<br>(-15.0°C)   | TC            | 20688           | 20716              | 20738              | 20739              | 20767              | 21935              | 21961              | 21982              | 21987              | 22013              | 23245              | 23275              | 23301              | 23306              | 23332              | 24646              | 24672              | 24699              | 24703              | 24734              |                    |
|                  |                    | S/T           | 0.33            | 0.38               | 0.44               | 0.44               | 0.50               | 0.35               | 0.41               | 0.46               | 0.46               | 0.53               | 0.37               | 0.43               | 0.49               | 0.49               | 0.56               | 0.39               | 0.46               | 0.52               | 0.52               | 0.59               |                    |
|                  |                    | PI            | 1.55            | 1.56               | 1.56               | 1.56               | 1.56               | 1.65               | 1.65               | 1.65               | 1.65               | 1.65               | 1.75               | 1.75               | 1.75               | 1.75               | 1.75               | 1.85               | 1.85               | 1.85               | 1.85               | 1.86               |                    |
|                  | 14°F<br>(-10.0°C)  | TC            | 21096           | 21124              | 21147              | 21148              | 21177              | 22367              | 22394              | 22416              | 22420              | 22447              | 23704              | 23734              | 23761              | 23765              | 23792              | 25132              | 25159              | 25187              | 25190              | 25222              |                    |
|                  |                    | S/T           | 0.33            | 0.38               | 0.44               | 0.44               | 0.50               | 0.35               | 0.41               | 0.46               | 0.46               | 0.53               | 0.37               | 0.43               | 0.49               | 0.49               | 0.56               | 0.39               | 0.46               | 0.52               | 0.52               | 0.59               |                    |
|                  |                    | PI            | 1.53            | 1.53               | 1.53               | 1.53               | 1.53               | 1.62               | 1.62               | 1.62               | 1.62               | 1.63               | 1.72               | 1.72               | 1.72               | 1.72               | 1.72               | 1.82               | 1.82               | 1.82               | 1.82               | 1.83               |                    |
|                  | 17°F<br>(-8.3°C)   | TC            | 21232           | 21261              | 21283              | 21284              | 21313              | 22512              | 22538              | 22560              | 22565              | 22592              | 23856              | 23887              | 23914              | 23919              | 23945              | 25294              | 25321              | 25349              | 25353              | 25384              |                    |
|                  |                    | S/T           | 0.33            | 0.38               | 0.44               | 0.44               | 0.50               | 0.35               | 0.41               | 0.46               | 0.46               | 0.53               | 0.37               | 0.43               | 0.49               | 0.49               | 0.56               | 0.39               | 0.46               | 0.52               | 0.52               | 0.59               |                    |
|                  |                    | PI            | 1.52            | 1.52               | 1.52               | 1.52               | 1.52               | 1.61               | 1.61               | 1.61               | 1.61               | 1.62               | 1.71               | 1.71               | 1.71               | 1.71               | 1.71               | 1.81               | 1.81               | 1.81               | 1.81               | 1.82               |                    |
|                  | 23°F<br>(-5.0°C)   | TC            | 22237           | 22267              | 22291              | 22292              | 22322              | 23577              | 23605              | 23628              | 23633              | 23661              | 24986              | 25018              | 25046              | 25051              | 25079              | 26491              | 26520              | 26549              | 26553              | 26586              |                    |
|                  |                    | S/T           | 0.33            | 0.39               | 0.44               | 0.44               | 0.50               | 0.35               | 0.41               | 0.47               | 0.47               | 0.53               | 0.37               | 0.43               | 0.49               | 0.49               | 0.56               | 0.39               | 0.46               | 0.52               | 0.52               | 0.60               |                    |
|                  |                    | PI            | 1.35            | 1.35               | 1.35               | 1.35               | 1.36               | 1.43               | 1.43               | 1.43               | 1.43               | 1.44               | 1.52               | 1.52               | 1.52               | 1.52               | 1.52               | 1.61               | 1.61               | 1.61               | 1.61               | 1.61               |                    |
|                  | 35°F<br>(1.7°C)    | TC            | 24247           | 24280              | 24306              | 24307              | 24340              | 25709              | 25739              | 25764              | 25770              | 25800              | 27245              | 27280              | 27310              | 27315              | 27346              | 28886              | 28917              | 28949              | 28953              | 28990              |                    |
|                  |                    | S/T           | 0.33            | 0.39               | 0.44               | 0.44               | 0.50               | 0.35               | 0.41               | 0.47               | 0.47               | 0.53               | 0.37               | 0.44               | 0.50               | 0.50               | 0.57               | 0.39               | 0.46               | 0.53               | 0.53               | 0.60               |                    |
|                  |                    | PI            | 1.01            | 1.01               | 1.01               | 1.01               | 1.02               | 1.07               | 1.07               | 1.08               | 1.08               | 1.08               | 1.14               | 1.14               | 1.14               | 1.14               | 1.14               | 1.21               | 1.21               | 1.21               | 1.21               | 1.21               |                    |
|                  | 41°F<br>(5.0°C)    | TC            | 24947           | 24981              | 25008              | 25009              | 25043              | 26451              | 26482              | 26508              | 26513              | 26545              | 28031              | 28067              | 28099              | 28104              | 28135              | 29720              | 29752              | 29785              | 29789              | 29826              |                    |
|                  |                    | S/T           | 0.33            | 0.39               | 0.44               | 0.44               | 0.50               | 0.35               | 0.41               | 0.47               | 0.47               | 0.53               | 0.37               | 0.44               | 0.50               | 0.50               | 0.57               | 0.40               | 0.46               | 0.53               | 0.53               | 0.60               |                    |
|                  |                    | PI            | 1.00            | 1.00               | 1.00               | 1.00               | 1.01               | 1.06               | 1.06               | 1.06               | 1.06               | 1.07               | 1.13               | 1.13               | 1.13               | 1.13               | 1.13               | 1.19               | 1.19               | 1.20               | 1.20               | 1.20               |                    |
|                  | 47°F<br>(8.3°C)    | TC            | 25647           | 25682              | 25709              | 25711              | 25745              | 27193              | 27225              | 27252              | 27257              | 27290              | 28817              | 28855              | 28887              | 28892              | 28925              | 30554              | 30587              | 30620              | 30625              | 30663              |                    |
|                  |                    | S/T           | 0.33            | 0.39               | 0.44               | 0.44               | 0.51               | 0.35               | 0.41               | 0.47               | 0.47               | 0.54               | 0.37               | 0.44               | 0.50               | 0.50               | 0.57               | 0.40               | 0.47               | 0.53               | 0.53               | 0.60               |                    |
|                  |                    | PI            | 0.99            | 0.99               | 0.99               | 0.99               | 1.00               | 1.05               | 1.05               | 1.05               | 1.05               | 1.05               | 1.11               | 1.12               | 1.12               | 1.12               | 1.12               | 1.18               | 1.18               | 1.18               | 1.18               | 1.19               |                    |
|                  | 50°F<br>(10.0°C)   | TC            | 25492           | 25526              | 25553              | 25554              | 25589              | 27028              | 27060              | 27087              | 27092              | 27124              | 28643              | 28680              | 28712              | 28717              | 28749              | 30368              | 30401              | 30434              | 30439              | 30477              |                    |
|                  |                    | S/T           | 0.33            | 0.39               | 0.45               | 0.45               | 0.51               | 0.35               | 0.42               | 0.47               | 0.47               | 0.54               | 0.38               | 0.44               | 0.50               | 0.50               | 0.57               | 0.40               | 0.47               | 0.53               | 0.53               | 0.61               |                    |
|                  |                    | PI            | 1.02            | 1.02               | 1.02               | 1.02               | 1.02               | 1.08               | 1.08               | 1.08               | 1.08               | 1.08               | 1.14               | 1.15               | 1.15               | 1.15               | 1.15               | 1.21               | 1.21               | 1.22               | 1.22               | 1.22               |                    |
|                  | 59°F<br>(15.0°C)   | TC            | 25024           | 25058              | 25085              | 25086              | 25120              | 26532              | 26564              | 26590              | 26595              | 26627              | 28118              | 28154              | 28186              | 28191              | 28222              | 29812              | 29844              | 29877              | 29881              | 29919              |                    |
|                  |                    | S/T           | 0.34            | 0.39               | 0.45               | 0.45               | 0.51               | 0.36               | 0.42               | 0.48               | 0.48               | 0.54               | 0.38               | 0.44               | 0.50               | 0.50               | 0.57               | 0.40               | 0.47               | 0.53               | 0.53               | 0.61               |                    |
|                  |                    | PI            | 1.10            | 1.10               | 1.10               | 1.10               | 1.10               | 1.16               | 1.17               | 1.17               | 1.17               | 1.17               | 1.23               | 1.24               | 1.24               | 1.24               | 1.24               | 1.31               | 1.31               | 1.31               | 1.31               | 1.31               |                    |
|                  | 68°F<br>(20.0°C)   | TC            | 24557           | 24590              | 24617              | 24618              | 24651              | 26037              | 26068              | 26094              | 26099              | 26130              | 27593              | 27629              | 27659              | 27665              | 27695              | 29255              | 29287              | 29319              | 29324              | 29360              |                    |
|                  |                    | S/T           | 0.35            | 0.41               | 0.46               | 0.46               | 0.52               | 0.37               | 0.43               | 0.49               | 0.49               | 0.56               | 0.39               | 0.46               | 0.52               | 0.52               | 0.59               | 0.41               | 0.48               | 0.55               | 0.55               | 0.63               |                    |
|                  |                    | PI            | 1.18            | 1.18               | 1.18               | 1.18               | 1.18               | 1.25               | 1.25               | 1.25               | 1.25               | 1.25               | 1.32               | 1.33               | 1.33               | 1.33               | 1.33               | 1.40               | 1.41               | 1.41               | 1.41               | 1.41               |                    |
|                  | 77°F<br>(25.0°C)   | TC            | 24090           | 24123              | 24149              | 24150              | 24182              | 25542              | 25572              | 25597              | 25602              | 25633              | 27068              | 27103              | 27133              | 27138              | 27169              | 28699              | 28730              | 28761              | 28766              | 28802              |                    |
|                  |                    | S/T           | 0.35            | 0.41               | 0.47               | 0.47               | 0.53               | 0.37               | 0.44               | 0.49               | 0.49               | 0.56               | 0.39               | 0.46               | 0.52               | 0.52               | 0.60               | 0.42               | 0.49               | 0.56               | 0.56               | 0.63               |                    |
|                  |                    | PI            | 1.26            | 1.26               | 1.26               | 1.26               | 1.26               | 1.34               | 1.34               | 1.34               | 1.34               | 1.34               | 1.41               | 1.42               | 1.42               | 1.42               | 1.42               | 1.50               | 1.50               | 1.50               | 1.50               | 1.51               |                    |
|                  | 82°F<br>(27.8°C)   | TC            | 23689           | 23721              | 23746              | 23747              | 23779              | 25116              | 25146              | 25171              | 25176              | 25206              | 26617              | 26651              | 26681              | 26686              | 26716              | 28221              | 28251              | 28282              | 28286              | 28322              |                    |
|                  |                    | S/T           | 0.35            | 0.42               | 0.47               | 0.47               | 0.54               | 0.38               | 0.44               | 0.50               | 0.50               | 0.57               | 0.40               | 0.47               | 0.53               | 0.53               | 0.61               | 0.42               | 0.50               | 0.56               | 0.56               | 0.64               |                    |
|                  |                    | PI            | 1.39            | 1.39               | 1.39               | 1.39               | 1.39               | 1.47               | 1.47               | 1.47               | 1.47               | 1.48               | 1.56               | 1.56               | 1.56               | 1.56               | 1.56               | 1.65               | 1.65               | 1.66               | 1.66               | 1.66               |                    |
|                  | 86°F<br>(30.0°C)   | TC            | 23188           | 23220              | 23245              | 23246              | 23277              | 24586              | 24615              | 24639              | 24644              | 24673              | 26055              | 26089              | 26118              | 26123              | 26152              | 27625              | 27655              | 27685              | 27689              | 27724              |                    |
|                  |                    | S/T           | 0.36            | 0.42               | 0.48               | 0.48               | 0.55               | 0.38               | 0.45               | 0.51               | 0.51               | 0.58               | 0.40               | 0.47               | 0.54               | 0.54               | 0.61               | 0.43               | 0.50               | 0.57               | 0.57               | 0.65               |                    |
|                  |                    | PI            | 1.59            | 1.60               | 1.60               | 1.60               | 1.60               | 1.69               | 1.69               | 1.69               | 1.69               | 1.70               | 1.79               | 1.79               | 1.80               | 1.80               | 1.80               | 1.90               | 1.90               | 1.90               | 1.90               | 1.91               |                    |
|                  | 95°F<br>(35.0°C)   | TC            | 22063           | 22093              | 22116              | 22117              | 22147              | 23393              |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |

COOLING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 33 (Sheet 2 of 4)

| AIRFLOW<br>(CFM) | OUTDOOR<br>DB (°F) | ID WB<br>(°F) | 60.8°F (16.0°C) |                    |                    |                    |                    | 64.4°F (18.0°C)    |                    |                    |                    |                    | 67°F (19.4°C)      |                    |                    |                    |                    | 71.6°F (22.0°C)    |                    |                    |                    |                    |                    |     |    |
|------------------|--------------------|---------------|-----------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|-----|----|
|                  |                    |               | ID DB<br>(°F)   | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) |     |    |
|                  |                    | TC            | S/T             | PI                 | TC                 | S/T                | PI                 | TC                 | S/T                | PI                 | TC                 | S/T                | PI                 | TC                 | S/T                | PI                 | TC                 | S/T                | PI                 | TC                 | S/T                | PI                 | TC                 | S/T | PI |
| 600              | -22°F<br>(-30.0°C) | TC            | 18896           | 18922              | 18942              | 18943              | 18968              | 20035              | 20059              | 20079              | 20083              | 20106              | 21232              | 21260              | 21283              | 21287              | 21311              | 22511              | 22536              | 22560              | 22564              | 22592              |                    |     |    |
|                  |                    | S/T           | 0.37            | 0.43               | 0.49               | 0.49               | 0.56               | 0.39               | 0.45               | 0.52               | 0.52               | 0.59               | 0.41               | 0.48               | 0.55               | 0.55               | 0.62               | 0.43               | 0.51               | 0.58               | 0.58               | 0.66               |                    |     |    |
|                  |                    | PI            | 1.42            | 1.42               | 1.42               | 1.42               | 1.42               | 1.50               | 1.51               | 1.51               | 1.51               | 1.51               | 1.59               | 1.60               | 1.60               | 1.60               | 1.60               | 1.69               | 1.69               | 1.69               | 1.69               | 1.70               |                    |     |    |
|                  | -13°F<br>(-25.0°C) | TC            | 20471           | 20498              | 20521              | 20521              | 20549              | 21705              | 21730              | 21752              | 21756              | 21782              | 23001              | 23031              | 23057              | 23061              | 23087              | 24387              | 24414              | 24440              | 24444              | 24475              |                    |     |    |
|                  |                    | S/T           | 0.37            | 0.43               | 0.49               | 0.49               | 0.56               | 0.39               | 0.46               | 0.52               | 0.52               | 0.59               | 0.41               | 0.48               | 0.55               | 0.55               | 0.63               | 0.44               | 0.51               | 0.58               | 0.58               | 0.67               |                    |     |    |
|                  |                    | PI            | 1.54            | 1.54               | 1.54               | 1.54               | 1.54               | 1.63               | 1.63               | 1.63               | 1.63               | 1.64               | 1.73               | 1.73               | 1.73               | 1.73               | 1.73               | 1.83               | 1.83               | 1.84               | 1.84               | 1.84               |                    |     |    |
|                  | -4°F<br>(-20.0°C)  | TC            | 22046           | 22075              | 22099              | 22100              | 22130              | 23374              | 23402              | 23425              | 23430              | 23457              | 24771              | 24803              | 24831              | 24835              | 24863              | 26263              | 26292              | 26320              | 26324              | 26357              |                    |     |    |
|                  |                    | S/T           | 0.37            | 0.43               | 0.49               | 0.49               | 0.56               | 0.39               | 0.46               | 0.52               | 0.52               | 0.60               | 0.42               | 0.49               | 0.55               | 0.55               | 0.63               | 0.44               | 0.52               | 0.59               | 0.59               | 0.67               |                    |     |    |
|                  |                    | PI            | 1.66            | 1.66               | 1.66               | 1.66               | 1.66               | 1.76               | 1.76               | 1.76               | 1.76               | 1.76               | 1.86               | 1.86               | 1.86               | 1.86               | 1.87               | 1.97               | 1.97               | 1.98               | 1.98               | 1.98               |                    |     |    |
|                  | 0°F<br>(-17.8°C)   | TC            | 22745           | 22776              | 22801              | 22802              | 22832              | 24116              | 24145              | 24169              | 24173              | 24202              | 25557              | 25590              | 25619              | 25624              | 25652              | 27097              | 27126              | 27156              | 27160              | 27194              |                    |     |    |
|                  |                    | S/T           | 0.37            | 0.44               | 0.49               | 0.49               | 0.56               | 0.39               | 0.46               | 0.52               | 0.52               | 0.60               | 0.42               | 0.49               | 0.56               | 0.56               | 0.63               | 0.44               | 0.52               | 0.59               | 0.59               | 0.67               |                    |     |    |
|                  |                    | PI            | 1.71            | 1.71               | 1.71               | 1.71               | 1.71               | 1.81               | 1.81               | 1.81               | 1.82               | 1.82               | 1.92               | 1.92               | 1.92               | 1.92               | 1.93               | 2.03               | 2.04               | 2.04               | 2.04               | 2.04               |                    |     |    |
|                  | 5°F<br>(-15.0°C)   | TC            | 23620           | 23652              | 23678              | 23679              | 23711              | 25044              | 25073              | 25098              | 25103              | 25133              | 26540              | 26574              | 26604              | 26609              | 26639              | 28139              | 28170              | 28200              | 28205              | 28240              |                    |     |    |
|                  |                    | S/T           | 0.37            | 0.44               | 0.50               | 0.50               | 0.57               | 0.40               | 0.46               | 0.53               | 0.53               | 0.60               | 0.42               | 0.49               | 0.56               | 0.56               | 0.64               | 0.44               | 0.52               | 0.59               | 0.59               | 0.67               |                    |     |    |
|                  |                    | PI            | 1.77            | 1.78               | 1.78               | 1.78               | 1.78               | 1.88               | 1.88               | 1.88               | 1.88               | 1.89               | 1.99               | 2.00               | 2.00               | 2.00               | 2.00               | 2.11               | 2.12               | 2.12               | 2.12               | 2.12               |                    |     |    |
|                  | 14°F<br>(-10.0°C)  | TC            | 24086           | 24119              | 24145              | 24146              | 24178              | 25538              | 25568              | 25593              | 25598              | 25629              | 27064              | 27099              | 27129              | 27134              | 27164              | 28694              | 28725              | 28757              | 28761              | 28797              |                    |     |    |
|                  |                    | S/T           | 0.37            | 0.44               | 0.50               | 0.50               | 0.57               | 0.40               | 0.46               | 0.53               | 0.53               | 0.60               | 0.42               | 0.49               | 0.56               | 0.56               | 0.64               | 0.44               | 0.52               | 0.59               | 0.59               | 0.68               |                    |     |    |
|                  |                    | PI            | 1.74            | 1.75               | 1.75               | 1.75               | 1.75               | 1.85               | 1.85               | 1.85               | 1.85               | 1.86               | 1.96               | 1.96               | 1.96               | 1.96               | 1.97               | 2.08               | 2.08               | 2.08               | 2.08               | 2.09               |                    |     |    |
|                  | 17°F<br>(-8.3°C)   | TC            | 24242           | 24274              | 24300              | 24301              | 24334              | 25703              | 25733              | 25758              | 25763              | 25794              | 27238              | 27273              | 27304              | 27309              | 27339              | 28879              | 28911              | 28942              | 28947              | 28983              |                    |     |    |
|                  |                    | S/T           | 0.37            | 0.44               | 0.50               | 0.50               | 0.57               | 0.40               | 0.47               | 0.53               | 0.53               | 0.60               | 0.42               | 0.49               | 0.56               | 0.56               | 0.64               | 0.45               | 0.52               | 0.59               | 0.59               | 0.68               |                    |     |    |
|                  |                    | PI            | 1.73            | 1.74               | 1.74               | 1.74               | 1.74               | 1.84               | 1.84               | 1.84               | 1.84               | 1.85               | 1.95               | 1.95               | 1.95               | 1.95               | 1.96               | 2.07               | 2.07               | 2.07               | 2.07               | 2.07               |                    |     |    |
|                  | 23°F<br>(-5.0°C)   | TC            | 25389           | 25423              | 25451              | 25452              | 25486              | 26919              | 26951              | 26978              | 26983              | 27015              | 28528              | 28565              | 28596              | 28602              | 28634              | 30246              | 30279              | 30312              | 30317              | 30355              |                    |     |    |
|                  |                    | S/T           | 0.38            | 0.44               | 0.50               | 0.50               | 0.57               | 0.40               | 0.47               | 0.53               | 0.53               | 0.61               | 0.42               | 0.50               | 0.56               | 0.56               | 0.64               | 0.45               | 0.53               | 0.60               | 0.60               | 0.68               |                    |     |    |
|                  |                    | PI            | 1.54            | 1.54               | 1.55               | 1.55               | 1.55               | 1.63               | 1.64               | 1.64               | 1.64               | 1.64               | 1.73               | 1.73               | 1.74               | 1.74               | 1.74               | 1.84               | 1.84               | 1.84               | 1.84               | 1.84               |                    |     |    |
|                  | 35°F<br>(1.7°C)    | TC            | 27684           | 27722              | 27751              | 27753              | 27790              | 29353              | 29387              | 29417              | 29422              | 29457              | 31106              | 31147              | 31181              | 31187              | 31222              | 32981              | 33016              | 33052              | 33058              | 33099              |                    |     |    |
|                  |                    | S/T           | 0.38            | 0.44               | 0.50               | 0.50               | 0.58               | 0.40               | 0.47               | 0.53               | 0.53               | 0.61               | 0.43               | 0.50               | 0.57               | 0.57               | 0.65               | 0.45               | 0.53               | 0.60               | 0.60               | 0.68               |                    |     |    |
|                  |                    | PI            | 1.16            | 1.16               | 1.16               | 1.16               | 1.16               | 1.23               | 1.23               | 1.23               | 1.23               | 1.23               | 1.30               | 1.30               | 1.30               | 1.30               | 1.30               | 1.38               | 1.38               | 1.38               | 1.38               | 1.38               |                    |     |    |
|                  | 41°F<br>(5.0°C)    | TC            | 28484           | 28522              | 28553              | 28554              | 28592              | 30200              | 30236              | 30266              | 30272              | 30308              | 32004              | 32046              | 32082              | 32088              | 32123              | 33933              | 33970              | 34007              | 34012              | 34054              |                    |     |    |
|                  |                    | S/T           | 0.38            | 0.44               | 0.51               | 0.51               | 0.58               | 0.40               | 0.47               | 0.54               | 0.54               | 0.61               | 0.43               | 0.50               | 0.57               | 0.57               | 0.65               | 0.45               | 0.53               | 0.60               | 0.60               | 0.69               |                    |     |    |
|                  |                    | PI            | 1.14            | 1.15               | 1.15               | 1.15               | 1.15               | 1.21               | 1.21               | 1.22               | 1.22               | 1.22               | 1.29               | 1.29               | 1.29               | 1.29               | 1.29               | 1.36               | 1.36               | 1.37               | 1.37               | 1.37               |                    |     |    |
|                  | 47°F<br>(8.3°C)    | TC            | 29283           | 29322              | 29354              | 29355              | 29395              | 31047              | 31084              | 31115              | 31121              | 31158              | 32902              | 32945              | 32982              | 32988              | 33025              | 34885              | 34923              | 34961              | 34966              | 35010              |                    |     |    |
|                  |                    | S/T           | 0.38            | 0.45               | 0.51               | 0.51               | 0.58               | 0.40               | 0.47               | 0.54               | 0.54               | 0.61               | 0.43               | 0.50               | 0.57               | 0.57               | 0.65               | 0.45               | 0.53               | 0.60               | 0.60               | 0.69               |                    |     |    |
|                  |                    | PI            | 1.13            | 1.13               | 1.13               | 1.13               | 1.14               | 1.20               | 1.20               | 1.20               | 1.20               | 1.20               | 1.27               | 1.27               | 1.27               | 1.28               | 1.28               | 1.35               | 1.35               | 1.35               | 1.35               | 1.35               |                    |     |    |
|                  | 50°F<br>(10.0°C)   | TC            | 29105           | 29144              | 29175              | 29177              | 29216              | 30859              | 30895              | 30926              | 30932              | 30969              | 32703              | 32745              | 32782              | 32788              | 32824              | 34673              | 34711              | 34748              | 34754              | 34797              |                    |     |    |
|                  |                    | S/T           | 0.38            | 0.45               | 0.51               | 0.51               | 0.58               | 0.41               | 0.48               | 0.54               | 0.54               | 0.62               | 0.43               | 0.50               | 0.57               | 0.57               | 0.65               | 0.46               | 0.53               | 0.61               | 0.61               | 0.69               |                    |     |    |
|                  |                    | PI            | 1.16            | 1.16               | 1.17               | 1.17               | 1.17               | 1.23               | 1.23               | 1.24               | 1.24               | 1.24               | 1.31               | 1.31               | 1.31               | 1.31               | 1.31               | 1.38               | 1.39               | 1.39               | 1.39               | 1.39               |                    |     |    |
|                  | 59°F<br>(15.0°C)   | TC            | 28572           | 28610              | 28641              | 28642              | 28681              | 30293              | 30329              | 30359              | 30365              | 30401              | 32103              | 32145              | 32181              | 32187              | 32223              | 34038              | 34075              | 34112              | 34117              | 34159              |                    |     |    |
|                  |                    | S/T           | 0.38            | 0.45               | 0.51               | 0.51               | 0.58               | 0.41               | 0.48               | 0.54               | 0.54               | 0.62               | 0.43               | 0.51               | 0.58               | 0.58               | 0.66               | 0.46               | 0.54               | 0.61               | 0.61               | 0.70               |                    |     |    |
|                  |                    | PI            | 1.25            | 1.26               | 1.26               | 1.26               | 1.26               | 1.33               | 1.33               | 1.33               | 1.33               | 1.33               | 1.41               | 1.41               | 1.41               | 1.41               | 1.41               | 1.49               | 1.50               | 1.50               | 1.50               | 1.50               |                    |     |    |
|                  | 68°F<br>(20.0°C)   | TC            | 28038           | 28076              | 28106              | 28107              | 28145              | 29728              | 29763              | 29793              | 29798              | 29834              | 31504              | 31545              | 31580              | 31586              | 31621              | 33402              | 33438              | 33475              | 33480              | 33522              |                    |     |    |
|                  |                    | S/T           | 0.39            | 0.46               | 0.53               | 0.53               | 0.60               | 0.42               | 0.49               | 0.56               | 0.56               | 0.64               | 0.44               | 0.52               | 0.59               | 0.59               | 0.67               | 0.47               | 0.55               | 0.63               | 0.63               | 0.71               |                    |     |    |
|                  |                    | PI            | 1.35            | 1.35               | 1.35               | 1.35               | 1.35               | 1.43               | 1.43               | 1.43               | 1.43               | 1.43               | 1.51               | 1.51               | 1.52               | 1.52               | 1.52               | 1.60               | 1.61               | 1.61               | 1.61               | 1.61               |                    |     |    |
|                  | 77°F<br>(25.0°C)   | TC            | 27505           | 27542              | 27571              | 27573              | 27610              | 29162              | 29197              | 29226              | 29232              | 29266              | 30905              | 30945              | 30979              | 30985              | 31020              | 32767              | 32802              | 32838              | 32843              | 32884              |                    |     |    |
|                  |                    | S/T           | 0.40            | 0.47               | 0.53               | 0.53               | 0.61               | 0.42               | 0.50               | 0.56               | 0.56               | 0.64               | 0.45               | 0.53               | 0.60               | 0.60               | 0.68               | 0.48               | 0.56               | 0.63               | 0.63               | 0.72               |                    |     |    |
|                  |                    | PI            | 1.44            | 1.44               | 1.44               | 1.44               | 1.44               | 1.52               | 1.53               | 1.53               | 1.53               | 1.53               | 1.62               | 1.62               | 1.62               | 1.62               | 1.62               | 1.71               | 1.71               | 1.72               | 1.72               | 1.72               |                    |     |    |
|                  | 82°F<br>(27.8°C)   | TC            | 27047           | 27083              | 27112              | 27113              | 27150              | 28676              | 28710              | 28739              | 28744              | 28779              | 30390              | 30429              | 30463              | 30469              | 30503              | 32221              | 32256              | 32291              | 32296              | 32336              |                    |     |    |
|                  |                    | S/T           | 0.40            | 0.47               | 0.54               | 0.54               | 0.61               | 0.43               | 0.50               | 0.57               | 0.57               | 0.65               | 0.45               | 0.53               | 0.61               | 0.61               | 0.69               | 0.48               | 0.57               | 0.64               | 0.64               | 0.73               |                    |     |    |
|                  |                    | PI            | 1.58            | 1.59               | 1.59               | 1.59               | 1.59               | 1.68               | 1.68               | 1.68               | 1.68               | 1.68               | 1.78               | 1.78               | 1.78               | 1.78               | 1.79               | 1.89               | 1.89               | 1.89               | 1.89               | 1.89               |                    |     |    |
|                  | 86°F<br>(30.0°C    |               |                 |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |     |    |

COOLING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 33 (Sheet 3 of 4)

| AIRFLOW<br>(CFM) | OUTDOOR<br>DB (°F) | ID WB<br>(°F) | 60.8°F (16.0°C) |                    |                    |                    |                    | 64.4°F (18.0°C)    |                    |                    |                    |                    | 67°F (19.4°C)      |                    |                    |                    |                    | 71.6°F (22.0°C)    |                    |                    |                    |                    |
|------------------|--------------------|---------------|-----------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                  |                    |               | ID DB<br>(°F)   | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) |
| 735              | -22°F<br>(-30.0°C) | TC            | 21575           | 21604              | 21627              | 21628              | 21657              | 22875              | 22902              | 22925              | 22929              | 22956              | 24242              | 24273              | 24300              | 24305              | 24332              | 25702              | 25730              | 25758              | 25762              | 25794              |
|                  |                    | S/T           | 0.42            | 0.49               | 0.56               | 0.56               | 0.63               | 0.44               | 0.52               | 0.59               | 0.59               | 0.67               | 0.47               | 0.55               | 0.62               | 0.62               | 0.71               | 0.50               | 0.58               | 0.66               | 0.66               | 0.75               |
|                  |                    | PI            | 1.62            | 1.62               | 1.62               | 1.62               | 1.63               | 1.72               | 1.72               | 1.72               | 1.72               | 1.72               | 1.82               | 1.82               | 1.82               | 1.82               | 1.83               | 1.93               | 1.93               | 1.93               | 1.93               | 1.94               |
|                  | -13°F<br>(-25.0°C) | TC            | 23373           | 23404              | 23429              | 23430              | 23462              | 24781              | 24811              | 24835              | 24840              | 24869              | 26262              | 26296              | 26325              | 26330              | 26359              | 27844              | 27874              | 27905              | 27909              | 27944              |
|                  |                    | S/T           | 0.42            | 0.49               | 0.56               | 0.56               | 0.64               | 0.44               | 0.52               | 0.59               | 0.59               | 0.68               | 0.47               | 0.55               | 0.63               | 0.63               | 0.72               | 0.50               | 0.59               | 0.67               | 0.67               | 0.76               |
|                  |                    | PI            | 1.75            | 1.76               | 1.76               | 1.76               | 1.76               | 1.86               | 1.86               | 1.86               | 1.87               | 1.87               | 1.97               | 1.97               | 1.98               | 1.98               | 1.98               | 2.09               | 2.09               | 2.10               | 2.10               | 2.10               |
|                  | -4°F<br>(-20.0°C)  | TC            | 25171           | 25204              | 25232              | 25233              | 25267              | 26687              | 26719              | 26745              | 26751              | 26782              | 28282              | 28319              | 28350              | 28355              | 28387              | 29986              | 30019              | 30051              | 30056              | 30093              |
|                  |                    | S/T           | 0.42            | 0.50               | 0.56               | 0.56               | 0.64               | 0.45               | 0.53               | 0.60               | 0.60               | 0.68               | 0.47               | 0.56               | 0.63               | 0.63               | 0.72               | 0.50               | 0.59               | 0.67               | 0.67               | 0.76               |
|                  |                    | PI            | 1.89            | 1.89               | 1.89               | 1.89               | 1.90               | 2.00               | 2.01               | 2.01               | 2.01               | 2.01               | 2.12               | 2.13               | 2.13               | 2.13               | 2.13               | 2.25               | 2.25               | 2.26               | 2.26               | 2.26               |
|                  | 0°F<br>(-17.8°C)   | TC            | 25970           | 26005              | 26033              | 26034              | 26069              | 27535              | 27567              | 27595              | 27600              | 27633              | 29180              | 29218              | 29250              | 29256              | 29288              | 30938              | 30971              | 31005              | 31010              | 31049              |
|                  |                    | S/T           | 0.42            | 0.50               | 0.56               | 0.56               | 0.64               | 0.45               | 0.53               | 0.60               | 0.60               | 0.68               | 0.48               | 0.56               | 0.63               | 0.63               | 0.72               | 0.50               | 0.59               | 0.67               | 0.67               | 0.77               |
|                  |                    | PI            | 1.95            | 1.95               | 1.95               | 1.95               | 1.96               | 2.07               | 2.07               | 2.07               | 2.07               | 2.07               | 2.19               | 2.19               | 2.20               | 2.20               | 2.20               | 2.32               | 2.33               | 2.33               | 2.33               | 2.33               |
|                  | 5°F<br>(-15.0°C)   | TC            | 26968           | 27005              | 27034              | 27035              | 27071              | 28594              | 28628              | 28656              | 28661              | 28696              | 30302              | 30341              | 30375              | 30381              | 30415              | 32128              | 32163              | 32198              | 32203              | 32243              |
|                  |                    | S/T           | 0.43            | 0.50               | 0.57               | 0.57               | 0.65               | 0.45               | 0.53               | 0.60               | 0.60               | 0.69               | 0.48               | 0.56               | 0.64               | 0.64               | 0.73               | 0.51               | 0.59               | 0.68               | 0.68               | 0.77               |
|                  |                    | PI            | 2.02            | 2.03               | 2.03               | 2.03               | 2.03               | 2.15               | 2.15               | 2.15               | 2.15               | 2.15               | 2.28               | 2.28               | 2.28               | 2.28               | 2.28               | 2.41               | 2.41               | 2.42               | 2.42               | 2.42               |
|                  | 14°F<br>(-10.0°C)  | TC            | 27500           | 27537              | 27567              | 27568              | 27606              | 29158              | 29192              | 29221              | 29227              | 29262              | 30900              | 30940              | 30974              | 30980              | 31015              | 32762              | 32797              | 32833              | 32838              | 32879              |
|                  |                    | S/T           | 0.43            | 0.50               | 0.57               | 0.57               | 0.65               | 0.45               | 0.53               | 0.60               | 0.60               | 0.69               | 0.48               | 0.56               | 0.64               | 0.64               | 0.73               | 0.51               | 0.60               | 0.68               | 0.68               | 0.77               |
|                  |                    | PI            | 1.99            | 1.99               | 2.00               | 2.00               | 2.00               | 2.11               | 2.11               | 2.12               | 2.12               | 2.12               | 2.24               | 2.24               | 2.24               | 2.24               | 2.25               | 2.37               | 2.37               | 2.38               | 2.38               | 2.38               |
|                  | 17°F<br>(-8.3°C)   | TC            | 27678           | 27715              | 27745              | 27746              | 27784              | 29346              | 29381              | 29410              | 29415              | 29450              | 31099              | 31139              | 31174              | 31180              | 31215              | 32973              | 33009              | 33045              | 33050              | 33091              |
|                  |                    | S/T           | 0.43            | 0.50               | 0.57               | 0.57               | 0.65               | 0.45               | 0.53               | 0.60               | 0.60               | 0.69               | 0.48               | 0.56               | 0.64               | 0.64               | 0.73               | 0.51               | 0.60               | 0.68               | 0.68               | 0.77               |
|                  |                    | PI            | 1.98            | 1.98               | 1.98               | 1.99               | 1.99               | 2.10               | 2.10               | 2.10               | 2.10               | 2.11               | 2.22               | 2.23               | 2.23               | 2.23               | 2.23               | 2.36               | 2.36               | 2.36               | 2.36               | 2.37               |
|                  | 23°F<br>(-5.0°C)   | TC            | 28988           | 29027              | 29058              | 29060              | 29099              | 30735              | 30771              | 30802              | 30808              | 30844              | 32571              | 32614              | 32650              | 32656              | 32692              | 34534              | 34571              | 34609              | 34614              | 34657              |
|                  |                    | S/T           | 0.43            | 0.50               | 0.57               | 0.57               | 0.65               | 0.46               | 0.53               | 0.61               | 0.61               | 0.69               | 0.48               | 0.57               | 0.64               | 0.64               | 0.73               | 0.51               | 0.60               | 0.68               | 0.68               | 0.78               |
|                  |                    | PI            | 1.76            | 1.76               | 1.76               | 1.76               | 1.77               | 1.87               | 1.87               | 1.87               | 1.87               | 1.87               | 1.98               | 1.98               | 1.98               | 1.98               | 1.98               | 2.10               | 2.10               | 2.10               | 2.10               | 2.10               |
|                  | 35°F<br>(1.7°C)    | TC            | 31609           | 31651              | 31685              | 31687              | 31729              | 33513              | 33553              | 33586              | 33593              | 33633              | 35516              | 35562              | 35601              | 35608              | 35648              | 37656              | 37696              | 37737              | 37743              | 37790              |
|                  |                    | S/T           | 0.43            | 0.51               | 0.58               | 0.58               | 0.66               | 0.46               | 0.54               | 0.61               | 0.61               | 0.70               | 0.49               | 0.57               | 0.65               | 0.65               | 0.74               | 0.51               | 0.60               | 0.69               | 0.69               | 0.78               |
|                  |                    | PI            | 1.32            | 1.32               | 1.32               | 1.32               | 1.32               | 1.40               | 1.40               | 1.40               | 1.40               | 1.40               | 1.48               | 1.48               | 1.49               | 1.49               | 1.49               | 1.57               | 1.57               | 1.58               | 1.58               | 1.58               |
|                  | 41°F<br>(5.0°C)    | TC            | 32521           | 32565              | 32600              | 32601              | 32645              | 34481              | 34522              | 34556              | 34563              | 34604              | 36541              | 36588              | 36629              | 36636              | 36677              | 38743              | 38785              | 38827              | 38833              | 38881              |
|                  |                    | S/T           | 0.43            | 0.51               | 0.58               | 0.58               | 0.66               | 0.46               | 0.54               | 0.61               | 0.61               | 0.70               | 0.49               | 0.57               | 0.65               | 0.65               | 0.74               | 0.52               | 0.60               | 0.69               | 0.69               | 0.78               |
|                  |                    | PI            | 1.31            | 1.31               | 1.31               | 1.31               | 1.31               | 1.38               | 1.39               | 1.39               | 1.39               | 1.39               | 1.47               | 1.47               | 1.47               | 1.47               | 1.47               | 1.56               | 1.56               | 1.56               | 1.56               | 1.56               |
|                  | 47°F<br>(8.3°C)    | TC            | 33433           | 33478              | 33514              | 33516              | 33561              | 35448              | 35490              | 35525              | 35532              | 35575              | 37566              | 37615              | 37657              | 37664              | 37706              | 39830              | 39873              | 39916              | 39922              | 39972              |
|                  |                    | S/T           | 0.43            | 0.51               | 0.58               | 0.58               | 0.66               | 0.46               | 0.54               | 0.61               | 0.61               | 0.70               | 0.49               | 0.57               | 0.65               | 0.65               | 0.74               | 0.52               | 0.61               | 0.69               | 0.69               | 0.79               |
|                  |                    | PI            | 1.29            | 1.29               | 1.30               | 1.30               | 1.30               | 1.37               | 1.37               | 1.37               | 1.37               | 1.38               | 1.45               | 1.45               | 1.46               | 1.46               | 1.46               | 1.54               | 1.54               | 1.54               | 1.54               | 1.55               |
|                  | 50°F<br>(10.0°C)   | TC            | 33230           | 33275              | 33311              | 33312              | 33357              | 35233              | 35275              | 35310              | 35317              | 35359              | 37338              | 37387              | 37428              | 37435              | 37477              | 39588              | 39631              | 39674              | 39680              | 39730              |
|                  |                    | S/T           | 0.44            | 0.51               | 0.58               | 0.58               | 0.66               | 0.46               | 0.54               | 0.62               | 0.62               | 0.70               | 0.49               | 0.58               | 0.65               | 0.65               | 0.75               | 0.52               | 0.61               | 0.69               | 0.69               | 0.79               |
|                  |                    | PI            | 1.33            | 1.33               | 1.33               | 1.33               | 1.33               | 1.41               | 1.41               | 1.41               | 1.41               | 1.41               | 1.49               | 1.49               | 1.49               | 1.50               | 1.50               | 1.58               | 1.58               | 1.58               | 1.58               | 1.59               |
|                  | 59°F<br>(15.0°C)   | TC            | 32621           | 32665              | 32701              | 32702              | 32746              | 34587              | 34628              | 34663              | 34669              | 34711              | 36654              | 36701              | 36742              | 36749              | 36790              | 38862              | 38905              | 38947              | 38953              | 39001              |
|                  |                    | S/T           | 0.44            | 0.51               | 0.58               | 0.58               | 0.67               | 0.46               | 0.55               | 0.62               | 0.62               | 0.71               | 0.49               | 0.58               | 0.66               | 0.66               | 0.75               | 0.52               | 0.61               | 0.70               | 0.70               | 0.79               |
|                  |                    | PI            | 1.43            | 1.43               | 1.44               | 1.44               | 1.44               | 1.52               | 1.52               | 1.52               | 1.52               | 1.52               | 1.61               | 1.61               | 1.61               | 1.61               | 1.61               | 1.71               | 1.71               | 1.71               | 1.71               | 1.71               |
|                  | 68°F<br>(20.0°C)   | TC            | 32013           | 32056              | 32090              | 32092              | 32135              | 33942              | 33982              | 34016              | 34022              | 34063              | 35970              | 36016              | 36056              | 36063              | 36103              | 38137              | 38178              | 38220              | 38226              | 38273              |
|                  |                    | S/T           | 0.45            | 0.53               | 0.60               | 0.60               | 0.68               | 0.48               | 0.56               | 0.64               | 0.64               | 0.73               | 0.51               | 0.59               | 0.67               | 0.67               | 0.77               | 0.54               | 0.63               | 0.71               | 0.71               | 0.81               |
|                  |                    | PI            | 1.54            | 1.54               | 1.54               | 1.54               | 1.54               | 1.63               | 1.63               | 1.63               | 1.63               | 1.64               | 1.73               | 1.73               | 1.73               | 1.73               | 1.73               | 1.83               | 1.83               | 1.83               | 1.83               | 1.84               |
|                  | 77°F<br>(25.0°C)   | TC            | 31404           | 31446              | 31480              | 31481              | 31524              | 33296              | 33336              | 33368              | 33375              | 33415              | 35285              | 35331              | 35371              | 35377              | 35417              | 37411              | 37452              | 37493              | 37499              | 37545              |
|                  |                    | S/T           | 0.46            | 0.54               | 0.61               | 0.61               | 0.69               | 0.48               | 0.57               | 0.64               | 0.64               | 0.73               | 0.51               | 0.60               | 0.68               | 0.68               | 0.78               | 0.54               | 0.64               | 0.72               | 0.72               | 0.83               |
|                  |                    | PI            | 1.64            | 1.64               | 1.65               | 1.65               | 1.65               | 1.74               | 1.74               | 1.74               | 1.74               | 1.75               | 1.84               | 1.85               | 1.85               | 1.85               | 1.85               | 1.96               | 1.96               | 1.96               | 1.96               | 1.96               |
|                  | 82°F<br>(27.8°C)   | TC            | 30880           | 30922              | 30955              | 30957              | 30998              | 32741              | 32780              | 32812              | 32819              | 32858              | 34697              | 34742              | 34781              | 34788              | 34826              | 36788              | 36828              | 36868              | 36874              | 36920              |
|                  |                    | S/T           | 0.46            | 0.54               | 0.62               | 0.62               | 0.70               | 0.49               | 0.57               | 0.65               | 0.65               | 0.74               | 0.52               | 0.61               | 0.69               | 0.69               | 0.79               | 0.55               | 0.65               | 0.73               | 0.73               | 0.84               |
|                  |                    | PI            | 1.81            | 1.81               | 1.81               | 1.81               | 1.81               | 1.92               | 1.92               | 1.92               | 1.92               | 1.92               | 2.03               | 2.03               | 2.04               | 2.04               | 2.04               | 2.15               | 2.16               | 2.16               | 2.16               | 2.16               |
|                  | 86°F<br>(30.0°C)   | TC            | 30228           | 30269              | 30301              | 30303              | 30344              | 32050              | 32088              | 32120              | 32126              | 32164              | 33965              | 34009              | 34047              | 34053              | 34091              | 36011              | 36050              | 36090              | 36095              | 36140              |
|                  |                    | S/T           | 0.47            | 0.55               | 0.62               | 0.62               | 0.71               | 0.50               | 0.58               | 0.66               | 0.66               | 0.75               | 0.53               | 0.62               | 0.70               | 0.70               | 0.80               | 0.56               | 0.65               | 0.74               | 0.74               | 0.85               |
|                  |                    | PI            | 2.08            | 2.08               | 2.08               | 2.08               | 2.09               | 2.20               | 2.21               | 2.21               | 2.21               | 2.21               | 2.33               | 2.34               | 2.34               | 2.34               | 2.34               | 2.48               | 2.48               | 2.48               | 2.48               | 2.48               |
|                  | 95°F<br>(35.0°C)   | TC            | 28761           | 28800              | 28831              | 28832              | 28871              | 30494              | 30530              | 30561              | 30567              | 30603              | 32316</            |                    |                    |                    |                    |                    |                    |                    |                    |                    |

COOLING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 33 (Sheet 4 of 4)

| AIRFLOW<br>(CFM) | OUTDOOR<br>DB (°F) | ID WB<br>(°F) | 60.8°F (16.0°C) |                    |                    |                    |                    | 64.4°F (18.0°C)    |                    |                    |                    |                    | 67°F (19.4°C)      |                    |                    |                    |                    | 71.6°F (22.0°C)    |                    |                    |                    |                    |                    |
|------------------|--------------------|---------------|-----------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                  |                    |               | ID DB<br>(°F)   | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) |
|                  |                    |               | (°F)            | (°C)               | (°C)               | (°C)               | (°C)               | (°C)               | (°C)               | (°C)               | (°C)               | (°C)               | (°C)               | (°C)               | (°C)               | (°C)               | (°C)               | (°C)               | (°C)               | (°C)               | (°C)               | (°C)               | (°C)               |
| 865              | -22°F<br>(-30.0°C) | TC            | 24633           | 24666              | 24693              | 24694              | 24727              | 26117              | 26148              | 26174              | 26179              | 26210              | 27678              | 27714              | 27745              | 27750              | 27781              | 29345              | 29377              | 29409              | 29414              | 29451              |                    |
|                  |                    | S/T           | 0.48            | 0.56               | 0.63               | 0.63               | 0.72               | 0.50               | 0.59               | 0.67               | 0.67               | 0.77               | 0.53               | 0.63               | 0.71               | 0.71               | 0.81               | 0.57               | 0.67               | 0.76               | 0.76               | 0.86               |                    |
|                  |                    | PI            | 1.85            | 1.85               | 1.85               | 1.85               | 1.86               | 1.96               | 1.96               | 1.97               | 1.97               | 1.97               | 2.08               | 2.08               | 2.08               | 2.08               | 2.09               | 2.20               | 2.21               | 2.21               | 2.21               | 2.21               |                    |
|                  | -13°F<br>(-25.0°C) | TC            | 26686           | 26722              | 26750              | 26752              | 26788              | 28294              | 28327              | 28355              | 28361              | 28395              | 29984              | 30023              | 30057              | 30062              | 30096              | 31791              | 31825              | 31860              | 31865              | 31905              |                    |
|                  |                    | S/T           | 0.48            | 0.56               | 0.64               | 0.64               | 0.73               | 0.51               | 0.60               | 0.68               | 0.68               | 0.77               | 0.54               | 0.63               | 0.72               | 0.72               | 0.82               | 0.57               | 0.67               | 0.76               | 0.76               | 0.87               |                    |
|                  |                    | PI            | 2.00            | 2.01               | 2.01               | 2.01               | 2.01               | 2.12               | 2.13               | 2.13               | 2.13               | 2.13               | 2.25               | 2.25               | 2.26               | 2.26               | 2.26               | 2.39               | 2.39               | 2.39               | 2.39               | 2.40               |                    |
|                  | -4°F<br>(-20.0°C)  | TC            | 28738           | 28777              | 28808              | 28809              | 28848              | 30470              | 30506              | 30537              | 30543              | 30579              | 32291              | 32333              | 32369              | 32375              | 32411              | 34236              | 34274              | 34311              | 34316              | 34359              |                    |
|                  |                    | S/T           | 0.48            | 0.57               | 0.64               | 0.64               | 0.73               | 0.51               | 0.60               | 0.68               | 0.68               | 0.78               | 0.54               | 0.64               | 0.72               | 0.72               | 0.82               | 0.57               | 0.67               | 0.77               | 0.77               | 0.87               |                    |
|                  |                    | PI            | 2.16            | 2.16               | 2.16               | 2.16               | 2.17               | 2.29               | 2.29               | 2.29               | 2.29               | 2.30               | 2.42               | 2.43               | 2.43               | 2.43               | 2.43               | 2.57               | 2.57               | 2.58               | 2.58               | 2.58               |                    |
|                  | 0°F<br>(-17.8°C)   | TC            | 29651           | 29691              | 29723              | 29724              | 29764              | 31438              | 31475              | 31506              | 31512              | 31550              | 33316              | 33359              | 33396              | 33403              | 33440              | 35323              | 35362              | 35400              | 35406              | 35450              |                    |
|                  |                    | S/T           | 0.48            | 0.57               | 0.64               | 0.64               | 0.73               | 0.51               | 0.60               | 0.68               | 0.68               | 0.78               | 0.54               | 0.64               | 0.72               | 0.72               | 0.83               | 0.58               | 0.68               | 0.77               | 0.77               | 0.88               |                    |
|                  |                    | PI            | 2.23            | 2.23               | 2.23               | 2.23               | 2.23               | 2.36               | 2.36               | 2.37               | 2.37               | 2.37               | 2.50               | 2.50               | 2.51               | 2.51               | 2.51               | 2.65               | 2.66               | 2.66               | 2.66               | 2.66               |                    |
|                  | 5°F<br>(-15.0°C)   | TC            | 30791           | 30833              | 30866              | 30867              | 30909              | 32647              | 32685              | 32718              | 32724              | 32763              | 34597              | 34642              | 34681              | 34687              | 34726              | 36682              | 36722              | 36762              | 36767              | 36813              |                    |
|                  |                    | S/T           | 0.49            | 0.57               | 0.65               | 0.65               | 0.74               | 0.51               | 0.60               | 0.69               | 0.69               | 0.78               | 0.55               | 0.64               | 0.73               | 0.73               | 0.83               | 0.58               | 0.68               | 0.77               | 0.77               | 0.88               |                    |
|                  |                    | PI            | 2.31            | 2.32               | 2.32               | 2.32               | 2.32               | 2.45               | 2.45               | 2.46               | 2.46               | 2.46               | 2.60               | 2.60               | 2.60               | 2.60               | 2.61               | 2.75               | 2.76               | 2.76               | 2.76               | 2.76               |                    |
|                  | 14°F<br>(-10.0°C)  | TC            | 31399           | 31441              | 31475              | 31476              | 31519              | 33291              | 33330              | 33363              | 33370              | 33409              | 35280              | 35326              | 35365              | 35372              | 35411              | 37405              | 37446              | 37487              | 37493              | 37539              |                    |
|                  |                    | S/T           | 0.49            | 0.57               | 0.65               | 0.65               | 0.74               | 0.52               | 0.61               | 0.69               | 0.69               | 0.78               | 0.55               | 0.64               | 0.73               | 0.73               | 0.83               | 0.58               | 0.68               | 0.77               | 0.77               | 0.88               |                    |
|                  |                    | PI            | 2.27            | 2.28               | 2.28               | 2.28               | 2.28               | 2.41               | 2.41               | 2.42               | 2.42               | 2.42               | 2.55               | 2.56               | 2.56               | 2.56               | 2.56               | 2.71               | 2.71               | 2.71               | 2.71               | 2.72               |                    |
|                  | 17°F<br>(-8.3°C)   | TC            | 31601           | 31644              | 31678              | 31679              | 31722              | 33505              | 33545              | 33578              | 33585              | 33625              | 35507              | 35553              | 35593              | 35600              | 35639              | 37647              | 37688              | 37729              | 37734              | 37781              |                    |
|                  |                    | S/T           | 0.49            | 0.57               | 0.65               | 0.65               | 0.74               | 0.52               | 0.61               | 0.69               | 0.69               | 0.79               | 0.55               | 0.64               | 0.73               | 0.73               | 0.83               | 0.58               | 0.68               | 0.78               | 0.78               | 0.88               |                    |
|                  |                    | PI            | 2.26            | 2.26               | 2.27               | 2.27               | 2.27               | 2.40               | 2.40               | 2.40               | 2.40               | 2.41               | 2.54               | 2.54               | 2.55               | 2.55               | 2.55               | 2.69               | 2.70               | 2.70               | 2.70               | 2.70               |                    |
|                  | 23°F<br>(-5.0°C)   | TC            | 33097           | 33142              | 33177              | 33179              | 33223              | 35092              | 35133              | 35168              | 35175              | 35217              | 37188              | 37236              | 37278              | 37285              | 37326              | 39429              | 39472              | 39515              | 39521              | 39570              |                    |
|                  |                    | S/T           | 0.49            | 0.58               | 0.65               | 0.65               | 0.75               | 0.52               | 0.61               | 0.69               | 0.69               | 0.79               | 0.55               | 0.65               | 0.74               | 0.74               | 0.84               | 0.58               | 0.69               | 0.78               | 0.78               | 0.89               |                    |
|                  |                    | PI            | 2.01            | 2.01               | 2.01               | 2.01               | 2.02               | 2.13               | 2.13               | 2.14               | 2.14               | 2.14               | 2.26               | 2.26               | 2.26               | 2.26               | 2.27               | 2.39               | 2.40               | 2.40               | 2.40               | 2.40               |                    |
|                  | 35°F<br>(1.7°C)    | TC            | 36089           | 36137              | 36176              | 36178              | 36227              | 38264              | 38309              | 38347              | 38355              | 38400              | 40550              | 40603              | 40648              | 40655              | 40701              | 42993              | 43040              | 43087              | 43093              | 43147              |                    |
|                  |                    | S/T           | 0.49            | 0.58               | 0.66               | 0.66               | 0.75               | 0.52               | 0.61               | 0.70               | 0.70               | 0.79               | 0.55               | 0.65               | 0.74               | 0.74               | 0.84               | 0.59               | 0.69               | 0.78               | 0.78               | 0.89               |                    |
|                  |                    | PI            | 1.51            | 1.51               | 1.51               | 1.51               | 1.51               | 1.60               | 1.60               | 1.60               | 1.60               | 1.60               | 1.69               | 1.70               | 1.70               | 1.70               | 1.70               | 1.79               | 1.80               | 1.80               | 1.80               | 1.80               |                    |
|                  | 41°F<br>(5.0°C)    | TC            | 37131           | 37181              | 37221              | 37222              | 37273              | 39368              | 39415              | 39454              | 39462              | 39509              | 41720              | 41775              | 41821              | 41829              | 41876              | 44234              | 44282              | 44330              | 44337              | 44393              |                    |
|                  |                    | S/T           | 0.49            | 0.58               | 0.66               | 0.66               | 0.75               | 0.52               | 0.61               | 0.70               | 0.70               | 0.80               | 0.56               | 0.65               | 0.74               | 0.74               | 0.84               | 0.59               | 0.69               | 0.78               | 0.78               | 0.89               |                    |
|                  |                    | PI            | 1.49            | 1.49               | 1.49               | 1.49               | 1.50               | 1.58               | 1.58               | 1.58               | 1.58               | 1.59               | 1.68               | 1.68               | 1.68               | 1.68               | 1.68               | 1.78               | 1.78               | 1.78               | 1.78               | 1.78               |                    |
|                  | 47°F<br>(8.3°C)    | TC            | 38173           | 38224              | 38265              | 38267              | 38318              | 40473              | 40521              | 40561              | 40569              | 40617              | 42891              | 42947              | 42995              | 43003              | 43051              | 45475              | 45525              | 45574              | 45581              | 45638              |                    |
|                  |                    | S/T           | 0.50            | 0.58               | 0.66               | 0.66               | 0.75               | 0.53               | 0.62               | 0.70               | 0.70               | 0.80               | 0.56               | 0.65               | 0.74               | 0.74               | 0.85               | 0.59               | 0.69               | 0.79               | 0.79               | 0.90               |                    |
|                  |                    | PI            | 1.48            | 1.48               | 1.48               | 1.48               | 1.48               | 1.56               | 1.57               | 1.57               | 1.57               | 1.57               | 1.66               | 1.66               | 1.66               | 1.66               | 1.66               | 1.76               | 1.76               | 1.76               | 1.76               | 1.76               |                    |
|                  | 50°F<br>(10.0°C)   | TC            | 37941           | 37992              | 38033              | 38034              | 38086              | 40227              | 40275              | 40315              | 40323              | 40371              | 42631              | 42686              | 42734              | 42742              | 42789              | 45199              | 45248              | 45298              | 45305              | 45361              |                    |
|                  |                    | S/T           | 0.50            | 0.58               | 0.66               | 0.66               | 0.76               | 0.53               | 0.62               | 0.70               | 0.70               | 0.80               | 0.56               | 0.66               | 0.75               | 0.75               | 0.85               | 0.59               | 0.70               | 0.79               | 0.79               | 0.90               |                    |
|                  |                    | PI            | 1.52            | 1.52               | 1.52               | 1.52               | 1.52               | 1.61               | 1.61               | 1.61               | 1.61               | 1.61               | 1.70               | 1.70               | 1.71               | 1.71               | 1.71               | 1.81               | 1.81               | 1.81               | 1.81               | 1.81               |                    |
|                  | 59°F<br>(15.0°C)   | TC            | 37246           | 37296              | 37336              | 37337              | 37388              | 39490              | 39537              | 39576              | 39584              | 39631              | 41849              | 41904              | 41950              | 41958              | 42005              | 44371              | 44419              | 44468              | 44474              | 44530              |                    |
|                  |                    | S/T           | 0.50            | 0.59               | 0.67               | 0.67               | 0.76               | 0.53               | 0.62               | 0.71               | 0.71               | 0.81               | 0.56               | 0.66               | 0.75               | 0.75               | 0.86               | 0.60               | 0.70               | 0.80               | 0.80               | 0.91               |                    |
|                  |                    | PI            | 1.63            | 1.64               | 1.64               | 1.64               | 1.64               | 1.73               | 1.74               | 1.74               | 1.74               | 1.74               | 1.84               | 1.84               | 1.84               | 1.84               | 1.84               | 1.95               | 1.95               | 1.95               | 1.95               | 1.95               |                    |
|                  | 68°F<br>(20.0°C)   | TC            | 36550           | 36599              | 36639              | 36640              | 36690              | 38753              | 38799              | 38837              | 38845              | 38891              | 41068              | 41122              | 41167              | 41175              | 41221              | 43543              | 43590              | 43637              | 43644              | 43699              |                    |
|                  |                    | S/T           | 0.51            | 0.60               | 0.69               | 0.69               | 0.78               | 0.54               | 0.64               | 0.73               | 0.73               | 0.83               | 0.58               | 0.68               | 0.77               | 0.77               | 0.88               | 0.61               | 0.72               | 0.82               | 0.82               | 0.93               |                    |
|                  |                    | PI            | 1.75            | 1.76               | 1.76               | 1.76               | 1.76               | 1.86               | 1.86               | 1.86               | 1.86               | 1.87               | 1.97               | 1.97               | 1.98               | 1.98               | 1.98               | 2.09               | 2.09               | 2.09               | 2.10               | 2.10               |                    |
|                  | 77°F<br>(25.0°C)   | TC            | 35855           | 35903              | 35942              | 35943              | 35992              | 38016              | 38061              | 38098              | 38106              | 38151              | 40287              | 40339              | 40384              | 40392              | 40437              | 42714              | 42761              | 42807              | 42814              | 42867              |                    |
|                  |                    | S/T           | 0.52            | 0.61               | 0.69               | 0.69               | 0.79               | 0.55               | 0.65               | 0.74               | 0.74               | 0.84               | 0.59               | 0.69               | 0.78               | 0.78               | 0.89               | 0.62               | 0.73               | 0.83               | 0.83               | 0.94               |                    |
|                  |                    | PI            | 1.87            | 1.88               | 1.88               | 1.88               | 1.88               | 1.99               | 1.99               | 1.99               | 1.99               | 1.99               | 2.11               | 2.11               | 2.11               | 2.11               | 2.11               | 2.23               | 2.23               | 2.24               | 2.24               | 2.24               |                    |
|                  | 82°F<br>(27.8°C)   | TC            | 35257           | 35305              | 35343              | 35345              | 35392              | 37382              | 37427              | 37464              | 37471              | 37515              | 39616              | 39667              | 39711              | 39719              | 39763              | 42003              | 42048              | 42094              | 42101              | 42153              |                    |
|                  |                    | S/T           | 0.53            | 0.62               | 0.70               | 0.70               | 0.80               | 0.56               | 0.66               | 0.75               | 0.75               | 0.85               | 0.59               | 0.70               | 0.79               | 0.79               | 0.90               | 0.63               | 0.74               | 0.84               | 0.84               | 0.95               |                    |
|                  |                    | PI            | 2.06            | 2.07               | 2.07               | 2.07               | 2.07               | 2.19               | 2.19               | 2.19               | 2.19               | 2.20               | 2.32               | 2.32               | 2.33               | 2.33               | 2.33               | 2.46               | 2.46               | 2.46               | 2.46               | 2.47               |                    |
|                  | 86°F<br>(30.0°C)   | TC            | 34513           | 34559              | 34597              | 34598              | 34645              | 36593              | 36636              | 36672              | 36680              | 36723              | 38779              | 38830              | 38873              | 38880              | 38923              | 41116              | 41160              | 41205              | 41212              | 41263              |                    |
|                  |                    | S/T           | 0.53            | 0.63               | 0.71               | 0.71               | 0.81               | 0.57               | 0.66               | 0.75               | 0.75               | 0.86               | 0.60               | 0.70               | 0.80               | 0.80               | 0.91               | 0.64               | 0.75               | 0.85               | 0.85               | 0.97               |                    |
|                  |                    | PI            | 2.37            | 2.38               | 2.38               | 2.38               | 2.38               | 2.52               | 2.52               | 2.52               | 2.52               | 2.52               | 2.67               | 2.67               | 2.67               | 2.67               | 2.68               | 2.83               | 2.83               | 2.8                |                    |                    |                    |

**Table 22 — High Wall Heating Performance (33K)**

HEATING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 33 (Sheet 1 of 2)

| AIRFLOW OUTDOOR<br>(CFM) DB (°F) |                    | TC: Total Heating Capacity (BTU/hr) |                  |                  |                    |                    | PI: Power Input (kW)     |                  |                  |                    |                    |
|----------------------------------|--------------------|-------------------------------------|------------------|------------------|--------------------|--------------------|--------------------------|------------------|------------------|--------------------|--------------------|
|                                  |                    | Indoor Conditions (DB°F)            |                  |                  |                    |                    | Indoor Conditions (DB°F) |                  |                  |                    |                    |
|                                  |                    | 60.8°F<br>(16.0°C)                  | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) | 60.8°F<br>(16.0°C)       | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) |
| 424                              | -22°F<br>(-30.0°C) | 13143                               | 12880            | 12816            | 12225              | 12115              | 4.18                     | 4.21             | 4.22             | 4.23               | 4.24               |
|                                  | -13°F<br>(-25.0°C) | 16403                               | 16075            | 15995            | 14670              | 14538              | 4.38                     | 4.42             | 4.43             | 4.44               | 4.45               |
|                                  | -4°F<br>(-20.0°C)  | 20104                               | 19702            | 19604            | 17980              | 17818              | 4.58                     | 4.61             | 4.62             | 4.63               | 4.65               |
|                                  | 0°F<br>(-17.8°C)   | 21538                               | 21107            | 21001            | 19262              | 19089              | 4.77                     | 4.81             | 4.82             | 4.83               | 4.85               |
|                                  | 5°F<br>(-15.0°C)   | 23329                               | 22862            | 22748            | 20864              | 20676              | 5.01                     | 5.05             | 5.06             | 5.07               | 5.09               |
|                                  | 14°F<br>(-10.0°C)  | 21451                               | 21022            | 20917            | 19184              | 19012              | 4.41                     | 4.44             | 4.45             | 4.46               | 4.48               |
|                                  | 17°F<br>(-8.3°C)   | 20825                               | 20409            | 20306            | 18625              | 18457              | 4.21                     | 4.24             | 4.25             | 4.26               | 4.28               |
|                                  | 22°F<br>(-5.6°C)   | 21502                               | 21072            | 20967            | 19230              | 19057              | 4.20                     | 4.23             | 4.24             | 4.25               | 4.26               |
|                                  | 27°F<br>(-2.8°C)   | 22179                               | 21736            | 21627            | 19836              | 19657              | 4.18                     | 4.22             | 4.23             | 4.23               | 4.25               |
|                                  | 32°F<br>(0.0°C)    | 22857                               | 22400            | 22288            | 20442              | 20258              | 4.17                     | 4.21             | 4.21             | 4.22               | 4.24               |
|                                  | 35°F<br>(1.7°C)    | 23263                               | 22798            | 22684            | 20805              | 20618              | 4.17                     | 4.20             | 4.21             | 4.22               | 4.23               |
|                                  | 37°F<br>(2.8°C)    | 23731                               | 23257            | 23140            | 21224              | 21033              | 4.11                     | 4.14             | 4.15             | 4.16               | 4.17               |
|                                  | 42°F<br>(5.6°C)    | 24902                               | 24404            | 24282            | 22271              | 22070              | 3.96                     | 3.99             | 4.00             | 4.01               | 4.02               |
|                                  | 44.6°F<br>(7.0°C)  | 25370                               | 24863            | 24738            | 22689              | 22485              | 3.90                     | 3.93             | 3.94             | 3.95               | 3.96               |
|                                  | 47°F<br>(8.3°C)    | 26072                               | 25551            | 25423            | 23318              | 23108              | 3.81                     | 3.84             | 3.85             | 3.86               | 3.88               |
|                                  | 52°F<br>(11.1°C)   | 24114                               | 23632            | 23514            | 21566              | 21372              | 3.15                     | 3.17             | 3.18             | 3.18               | 3.20               |
|                                  | 57°F<br>(13.9°C)   | 22156                               | 21713            | 21604            | 19815              | 19637              | 2.48                     | 2.50             | 2.50             | 2.51               | 2.52               |
|                                  | 59°F<br>(15.0°C)   | 21373                               | 20945            | 20840            | 19114              | 18942              | 2.21                     | 2.23             | 2.23             | 2.24               | 2.25               |
|                                  | 62°F<br>(16.7°C)   | 20198                               | 19794            | 19695            | 18064              | 17901              | 1.81                     | 1.82             | 1.83             | 1.83               | 1.84               |
|                                  | 64.4°F<br>(18.0°C) | 19414                               | 19026            | 18931            | 17363              | 17207              | 1.54                     | 1.55             | 1.56             | 1.56               | 1.57               |
| 600                              | -22°F<br>(-30.0°C) | 15303                               | 14997            | 14922            | 14545              | 14414              | 4.22                     | 4.25             | 4.26             | 4.27               | 4.29               |
|                                  | -13°F<br>(-25.0°C) | 18728                               | 18354            | 18262            | 17454              | 17297              | 4.43                     | 4.46             | 4.47             | 4.48               | 4.50               |
|                                  | -4°F<br>(-20.0°C)  | 22954                               | 22495            | 22383            | 21393              | 21200              | 4.62                     | 4.66             | 4.67             | 4.68               | 4.70               |
|                                  | 0°F<br>(-17.8°C)   | 24590                               | 24099            | 23978            | 22918              | 22711              | 4.82                     | 4.86             | 4.87             | 4.88               | 4.89               |
|                                  | 5°F<br>(-15.0°C)   | 26636                               | 26103            | 25972            | 24824              | 24600              | 5.06                     | 5.10             | 5.11             | 5.12               | 5.14               |
|                                  | 14°F<br>(-10.0°C)  | 24492                               | 24002            | 23882            | 22826              | 22620              | 4.45                     | 4.49             | 4.50             | 4.51               | 4.52               |
|                                  | 17°F<br>(-8.3°C)   | 23777                               | 23301            | 23185            | 22160              | 21960              | 4.25                     | 4.28             | 4.29             | 4.30               | 4.32               |
|                                  | 22°F<br>(-5.6°C)   | 24550                               | 24059            | 23939            | 22880              | 22674              | 4.24                     | 4.27             | 4.28             | 4.29               | 4.31               |
|                                  | 27°F<br>(-2.8°C)   | 25323                               | 24817            | 24693            | 23601              | 23388              | 4.23                     | 4.26             | 4.27             | 4.28               | 4.29               |
|                                  | 32°F<br>(0.0°C)    | 26097                               | 25575            | 25447            | 24321              | 24103              | 4.21                     | 4.25             | 4.26             | 4.27               | 4.28               |
|                                  | 35°F<br>(1.7°C)    | 26560                               | 26029            | 25899            | 24754              | 24531              | 4.21                     | 4.24             | 4.25             | 4.26               | 4.28               |
|                                  | 37°F<br>(2.8°C)    | 27095                               | 26553            | 26420            | 25252              | 25025              | 4.15                     | 4.18             | 4.19             | 4.20               | 4.22               |
|                                  | 42°F<br>(5.6°C)    | 28432                               | 27863            | 27724            | 26498              | 26259              | 4.00                     | 4.03             | 4.04             | 4.05               | 4.06               |
|                                  | 44.6°F<br>(7.0°C)  | 28966                               | 28387            | 28245            | 26996              | 26753              | 3.94                     | 3.97             | 3.98             | 3.99               | 4.00               |
|                                  | 47°F<br>(8.3°C)    | 29768                               | 29173            | 29027            | 27743              | 27494              | 3.85                     | 3.88             | 3.89             | 3.90               | 3.91               |
|                                  | 52°F<br>(11.1°C)   | 27532                               | 26982            | 26847            | 25660              | 25429              | 3.18                     | 3.20             | 3.21             | 3.22               | 3.23               |
|                                  | 57°F<br>(13.9°C)   | 25296                               | 24791            | 24667            | 23576              | 23364              | 2.50                     | 2.52             | 2.53             | 2.53               | 2.54               |
|                                  | 59°F<br>(15.0°C)   | 24402                               | 23914            | 23795            | 22742              | 22538              | 2.23                     | 2.25             | 2.25             | 2.26               | 2.27               |
|                                  | 62°F<br>(16.7°C)   | 23061                               | 22599            | 22486            | 21492              | 21299              | 1.83                     | 1.84             | 1.85             | 1.85               | 1.86               |
|                                  | 64.4°F<br>(18.0°C) | 22166                               | 21723            | 21614            | 20659              | 20473              | 1.56                     | 1.57             | 1.57             | 1.58               | 1.58               |

## HEATING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 33 (Sheet 2 of 2)

| AIRFLOW OUTDOOR<br>(CFM) DB (°F) |                    | TC: Total Heating Capacity (BTU/hr) |                  |                  |                    |                    | PI: Power Input (kW)     |                  |                  |                    |                    |
|----------------------------------|--------------------|-------------------------------------|------------------|------------------|--------------------|--------------------|--------------------------|------------------|------------------|--------------------|--------------------|
|                                  |                    | Indoor Conditions (DB°F)            |                  |                  |                    |                    | Indoor Conditions (DB°F) |                  |                  |                    |                    |
|                                  |                    | 60.8°F<br>(16.0°C)                  | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) | 60.8°F<br>(16.0°C)       | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) |
| 735                              | -22°F<br>(-30.0°C) | 17818                               | 17462            | 17375            | 17305              | 17150              | 4.26                     | 4.30             | 4.30             | 4.31               | 4.33               |
|                                  | -13°F<br>(-25.0°C) | 21383                               | 20955            | 20850            | 20767              | 20580              | 4.47                     | 4.51             | 4.52             | 4.53               | 4.54               |
|                                  | -4°F<br>(-20.0°C)  | 26208                               | 25684            | 25555            | 25453              | 25224              | 4.67                     | 4.71             | 4.72             | 4.73               | 4.74               |
|                                  | 0°F<br>(-17.8°C)   | 28076                               | 27514            | 27377            | 27267              | 27022              | 4.87                     | 4.90             | 4.91             | 4.92               | 4.94               |
|                                  | 5°F<br>(-15.0°C)   | 30411                               | 29803            | 29654            | 29535              | 29269              | 5.11                     | 5.15             | 5.16             | 5.17               | 5.19               |
|                                  | 14°F<br>(-10.0°C)  | 27963                               | 27404            | 27267            | 27158              | 26913              | 4.50                     | 4.53             | 4.54             | 4.55               | 4.57               |
|                                  | 17°F<br>(-8.3°C)   | 27147                               | 26604            | 26471            | 26365              | 26128              | 4.29                     | 4.33             | 4.34             | 4.34               | 4.36               |
|                                  | 22°F<br>(-5.6°C)   | 28030                               | 27469            | 27332            | 27223              | 26978              | 4.28                     | 4.32             | 4.32             | 4.33               | 4.35               |
|                                  | 27°F<br>(-2.8°C)   | 28913                               | 28335            | 28193            | 28080              | 27827              | 4.27                     | 4.30             | 4.31             | 4.32               | 4.34               |
|                                  | 32°F<br>(-0.0°C)   | 29796                               | 29200            | 29054            | 28938              | 28677              | 4.26                     | 4.29             | 4.30             | 4.31               | 4.33               |
|                                  | 35°F<br>(1.7°C)    | 30325                               | 29719            | 29570            | 29452              | 29187              | 4.25                     | 4.28             | 4.29             | 4.30               | 4.32               |
|                                  | 37°F<br>(2.8°C)    | 30936                               | 30317            | 30165            | 30045              | 29774              | 4.19                     | 4.22             | 4.23             | 4.24               | 4.26               |
|                                  | 42°F<br>(5.6°C)    | 32462                               | 31812            | 31653            | 31527              | 31243              | 4.04                     | 4.07             | 4.08             | 4.09               | 4.11               |
|                                  | 44.6°F<br>(7.0°C)  | 33072                               | 32411            | 32249            | 32120              | 31831              | 3.98                     | 4.01             | 4.02             | 4.03               | 4.05               |
|                                  | 47°F<br>(8.3°C)    | 33988                               | 33308            | 33141            | 33009              | 32712              | 3.89                     | 3.92             | 3.93             | 3.94               | 3.95               |
|                                  | 52°F<br>(11.1°C)   | 31435                               | 30806            | 30652            | 30530              | 30255              | 3.21                     | 3.24             | 3.24             | 3.25               | 3.26               |
|                                  | 57°F<br>(13.9°C)   | 28882                               | 28305            | 28163            | 28050              | 27798              | 2.53                     | 2.55             | 2.55             | 2.56               | 2.57               |
|                                  | 59°F<br>(15.0°C)   | 27861                               | 27304            | 27167            | 27059              | 26815              | 2.25                     | 2.27             | 2.28             | 2.28               | 2.29               |
|                                  | 62°F<br>(16.7°C)   | 26329                               | 25803            | 25674            | 25571              | 25341              | 1.85                     | 1.86             | 1.86             | 1.87               | 1.88               |
|                                  | 64.4°F<br>(18.0°C) | 25308                               | 24802            | 24678            | 24580              | 24358              | 1.57                     | 1.59             | 1.59             | 1.59               | 1.60               |
| 865                              | -22°F<br>(-30.0°C) | 20344                               | 19937            | 19838            | 19758              | 19580              | 4.30                     | 4.34             | 4.35             | 4.36               | 4.37               |
|                                  | -13°F<br>(-25.0°C) | 24414                               | 23926            | 23806            | 23711              | 23497              | 4.52                     | 4.55             | 4.56             | 4.57               | 4.59               |
|                                  | -4°F<br>(-20.0°C)  | 29923                               | 29324            | 29178            | 29061              | 28799              | 4.72                     | 4.75             | 4.76             | 4.77               | 4.79               |
|                                  | 0°F<br>(-17.8°C)   | 32056                               | 31415            | 31258            | 31133              | 30852              | 4.91                     | 4.95             | 4.96             | 4.97               | 4.99               |
|                                  | 5°F<br>(-15.0°C)   | 34722                               | 34027            | 33857            | 33722              | 33418              | 5.16                     | 5.20             | 5.22             | 5.23               | 5.25               |
|                                  | 14°F<br>(-10.0°C)  | 31927                               | 31288            | 31132            | 31007              | 30728              | 4.54                     | 4.58             | 4.59             | 4.60               | 4.62               |
|                                  | 17°F<br>(-8.3°C)   | 30995                               | 30375            | 30223            | 30103              | 29832              | 4.34                     | 4.37             | 4.38             | 4.39               | 4.41               |
|                                  | 22°F<br>(-5.6°C)   | 32003                               | 31363            | 31206            | 31082              | 30802              | 4.32                     | 4.36             | 4.37             | 4.38               | 4.39               |
|                                  | 27°F<br>(-2.8°C)   | 33011                               | 32351            | 32189            | 32060              | 31772              | 4.31                     | 4.35             | 4.36             | 4.36               | 4.38               |
|                                  | 32°F<br>(-0.0°C)   | 34019                               | 33339            | 33172            | 33039              | 32742              | 4.30                     | 4.33             | 4.34             | 4.35               | 4.37               |
|                                  | 35°F<br>(1.7°C)    | 34624                               | 33931            | 33762            | 33627              | 33324              | 4.29                     | 4.33             | 4.34             | 4.34               | 4.36               |
|                                  | 37°F<br>(2.8°C)    | 35321                               | 34614            | 34441            | 34304              | 33995              | 4.23                     | 4.27             | 4.28             | 4.28               | 4.30               |
|                                  | 42°F<br>(5.6°C)    | 37063                               | 36322            | 36140            | 35996              | 35672              | 4.08                     | 4.11             | 4.12             | 4.13               | 4.15               |
|                                  | 44.6°F<br>(7.0°C)  | 37760                               | 37005            | 36820            | 36672              | 36342              | 4.02                     | 4.05             | 4.06             | 4.07               | 4.09               |
|                                  | 47°F<br>(8.3°C)    | 38805                               | 38029            | 37839            | 37688              | 37349              | 3.93                     | 3.96             | 3.97             | 3.98               | 3.99               |
|                                  | 52°F<br>(11.1°C)   | 35891                               | 35173            | 34997            | 34857              | 34543              | 3.24                     | 3.27             | 3.27             | 3.28               | 3.29               |
|                                  | 57°F<br>(13.9°C)   | 32976                               | 32317            | 32155            | 32026              | 31738              | 2.55                     | 2.57             | 2.58             | 2.58               | 2.59               |
|                                  | 59°F<br>(15.0°C)   | 31810                               | 31174            | 31018            | 30894              | 30616              | 2.28                     | 2.30             | 2.30             | 2.31               | 2.31               |
|                                  | 62°F<br>(16.7°C)   | 30062                               | 29460            | 29313            | 29196              | 28933              | 1.86                     | 1.88             | 1.88             | 1.89               | 1.89               |
|                                  | 64.4°F<br>(18.0°C) | 28896                               | 28318            | 28176            | 28064              | 27811              | 1.59                     | 1.60             | 1.61             | 1.61               | 1.61               |

NOTE: Values in grey are extrapolated based on tested performance.

# HEATING AND COOLING PERFORMANCE

## ONE-WAY CASSETTE (D5FSOA)

**Table 23 — One-Way Cassette Cooling Performance (6K)**

COOLING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 6 (Sheet 1 of 4)

| AIRFLOW<br>(CFM) | OUTDOOR<br>DB(°F)  | ID WB<br>(°F) | 60.8°F(16.0°C) |                    |                    |                    |                    | 64.4°F(18.0°C)     |                    |                    |                    |                    | 67°F(19.4°C)       |                    |                    |                    |                    | 71.6°F(22.0°C)     |                    |                    |                    |                    |
|------------------|--------------------|---------------|----------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                  |                    |               | ID DB<br>(°F)  | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) |
| 235              | -22°F<br>(-30.0°C) | TC            | 6066           | 6074               | 6081               | 6081               | 6089               | 6432               | 6440               | 6446               | 6447               | 6455               | 6816               | 6825               | 6833               | 6834               | 6842               | 7227               | 7235               | 7243               | 7244               | 7253               |
|                  |                    | S/T           | 0.33           | 0.39               | 0.44               | 0.44               | 0.51               | 0.35               | 0.41               | 0.47               | 0.47               | 0.54               | 0.37               | 0.44               | 0.50               | 0.50               | 0.57               | 0.40               | 0.47               | 0.53               | 0.53               | 0.60               |
|                  |                    | PI            | 0.36           | 0.36               | 0.36               | 0.36               | 0.36               | 0.38               | 0.38               | 0.38               | 0.38               | 0.38               | 0.40               | 0.40               | 0.40               | 0.40               | 0.40               | 0.43               | 0.43               | 0.43               | 0.43               | 0.43               |
|                  | -13°F<br>(-25.0°C) | TC            | 7760           | 7770               | 7779               | 7779               | 7789               | 8227               | 8237               | 8245               | 8247               | 8257               | 8719               | 8730               | 8740               | 8742               | 8751               | 9244               | 9254               | 9264               | 9266               | 9277               |
|                  |                    | S/T           | 0.34           | 0.39               | 0.45               | 0.45               | 0.51               | 0.36               | 0.42               | 0.47               | 0.47               | 0.54               | 0.38               | 0.44               | 0.50               | 0.50               | 0.57               | 0.40               | 0.47               | 0.53               | 0.53               | 0.61               |
|                  |                    | PI            | 0.45           | 0.45               | 0.45               | 0.45               | 0.45               | 0.47               | 0.47               | 0.47               | 0.47               | 0.48               | 0.50               | 0.50               | 0.50               | 0.50               | 0.50               | 0.53               | 0.53               | 0.53               | 0.53               | 0.53               |
|                  | -4°F<br>(-20.0°C)  | TC            | 7671           | 7682               | 7690               | 7690               | 7701               | 8134               | 8143               | 8151               | 8153               | 8163               | 8620               | 8631               | 8640               | 8642               | 8652               | 9139               | 9149               | 9159               | 9160               | 9172               |
|                  |                    | S/T           | 0.34           | 0.40               | 0.45               | 0.45               | 0.51               | 0.36               | 0.42               | 0.48               | 0.48               | 0.54               | 0.38               | 0.44               | 0.51               | 0.51               | 0.58               | 0.40               | 0.47               | 0.54               | 0.54               | 0.61               |
|                  |                    | PI            | 0.45           | 0.45               | 0.45               | 0.45               | 0.45               | 0.47               | 0.47               | 0.47               | 0.47               | 0.48               | 0.50               | 0.50               | 0.50               | 0.50               | 0.50               | 0.53               | 0.53               | 0.53               | 0.53               | 0.53               |
|                  | 0°F<br>(-17.8°C)   | TC            | 7632           | 7642               | 7651               | 7651               | 7661               | 8092               | 8102               | 8110               | 8111               | 8121               | 8575               | 8587               | 8596               | 8598               | 8607               | 9092               | 9102               | 9112               | 9113               | 9125               |
|                  |                    | S/T           | 0.34           | 0.40               | 0.45               | 0.45               | 0.51               | 0.36               | 0.42               | 0.48               | 0.48               | 0.55               | 0.38               | 0.45               | 0.51               | 0.51               | 0.58               | 0.40               | 0.47               | 0.54               | 0.54               | 0.61               |
|                  |                    | PI            | 0.45           | 0.45               | 0.45               | 0.45               | 0.45               | 0.47               | 0.47               | 0.47               | 0.47               | 0.48               | 0.50               | 0.50               | 0.50               | 0.50               | 0.50               | 0.53               | 0.53               | 0.53               | 0.53               | 0.53               |
|                  | 5°F<br>(-15.0°C)   | TC            | 7583           | 7593               | 7601               | 7602               | 7612               | 8040               | 8049               | 8057               | 8059               | 8068               | 8520               | 8531               | 8541               | 8542               | 8552               | 9034               | 9043               | 9053               | 9055               | 9066               |
|                  |                    | S/T           | 0.34           | 0.40               | 0.45               | 0.45               | 0.52               | 0.36               | 0.42               | 0.48               | 0.48               | 0.55               | 0.38               | 0.45               | 0.51               | 0.51               | 0.58               | 0.41               | 0.48               | 0.54               | 0.54               | 0.62               |
|                  |                    | PI            | 0.45           | 0.45               | 0.45               | 0.45               | 0.45               | 0.47               | 0.47               | 0.47               | 0.47               | 0.48               | 0.50               | 0.50               | 0.50               | 0.50               | 0.50               | 0.53               | 0.53               | 0.53               | 0.53               | 0.53               |
|                  | 14°F<br>(-10.0°C)  | TC            | 7801           | 7812               | 7820               | 7821               | 7831               | 8272               | 8281               | 8290               | 8291               | 8301               | 8766               | 8777               | 8787               | 8789               | 8798               | 9294               | 9304               | 9314               | 9316               | 9327               |
|                  |                    | S/T           | 0.34           | 0.40               | 0.45               | 0.45               | 0.52               | 0.36               | 0.42               | 0.48               | 0.48               | 0.55               | 0.38               | 0.45               | 0.51               | 0.51               | 0.58               | 0.41               | 0.48               | 0.54               | 0.54               | 0.62               |
|                  |                    | PI            | 0.45           | 0.45               | 0.45               | 0.45               | 0.45               | 0.47               | 0.48               | 0.48               | 0.48               | 0.48               | 0.50               | 0.50               | 0.50               | 0.50               | 0.50               | 0.53               | 0.53               | 0.53               | 0.53               | 0.54               |
|                  | 17°F<br>(-8.3°C)   | TC            | 7874           | 7885               | 7893               | 7894               | 7904               | 8349               | 8359               | 8367               | 8369               | 8379               | 8848               | 8859               | 8869               | 8871               | 8880               | 9381               | 9391               | 9401               | 9403               | 9414               |
|                  |                    | S/T           | 0.34           | 0.40               | 0.46               | 0.46               | 0.52               | 0.36               | 0.43               | 0.48               | 0.48               | 0.55               | 0.38               | 0.45               | 0.51               | 0.51               | 0.58               | 0.41               | 0.48               | 0.54               | 0.54               | 0.62               |
|                  |                    | PI            | 0.45           | 0.45               | 0.45               | 0.45               | 0.45               | 0.48               | 0.48               | 0.48               | 0.48               | 0.48               | 0.50               | 0.50               | 0.50               | 0.50               | 0.51               | 0.53               | 0.53               | 0.54               | 0.54               | 0.54               |
|                  | 23°F<br>(-5.0°C)   | TC            | 7830           | 7840               | 7849               | 7849               | 7860               | 8302               | 8311               | 8320               | 8321               | 8331               | 8798               | 8809               | 8819               | 8820               | 8830               | 9328               | 9338               | 9348               | 9349               | 9361               |
|                  |                    | S/T           | 0.34           | 0.40               | 0.46               | 0.46               | 0.52               | 0.36               | 0.43               | 0.49               | 0.49               | 0.55               | 0.39               | 0.45               | 0.51               | 0.51               | 0.59               | 0.41               | 0.48               | 0.55               | 0.55               | 0.62               |
|                  |                    | PI            | 0.44           | 0.44               | 0.44               | 0.44               | 0.44               | 0.46               | 0.46               | 0.46               | 0.46               | 0.46               | 0.49               | 0.49               | 0.49               | 0.49               | 0.49               | 0.52               | 0.52               | 0.52               | 0.52               | 0.52               |
|                  | 35°F<br>(1.7°C)    | TC            | 7741           | 7751               | 7759               | 7760               | 7770               | 8207               | 8217               | 8225               | 8227               | 8236               | 8697               | 8709               | 8718               | 8720               | 8730               | 9221               | 9232               | 9242               | 9243               | 9255               |
|                  |                    | S/T           | 0.35           | 0.41               | 0.46               | 0.46               | 0.52               | 0.37               | 0.43               | 0.49               | 0.49               | 0.56               | 0.39               | 0.46               | 0.52               | 0.52               | 0.59               | 0.41               | 0.48               | 0.55               | 0.55               | 0.62               |
|                  |                    | PI            | 0.41           | 0.41               | 0.41               | 0.41               | 0.41               | 0.44               | 0.44               | 0.44               | 0.44               | 0.44               | 0.46               | 0.46               | 0.46               | 0.46               | 0.47               | 0.49               | 0.49               | 0.49               | 0.49               | 0.49               |
|                  | 41°F<br>(5.0°C)    | TC            | 7430           | 7440               | 7448               | 7448               | 7458               | 7878               | 7887               | 7895               | 7896               | 7906               | 8348               | 8359               | 8369               | 8370               | 8379               | 8851               | 8861               | 8871               | 8872               | 8883               |
|                  |                    | S/T           | 0.35           | 0.41               | 0.46               | 0.46               | 0.53               | 0.37               | 0.43               | 0.49               | 0.49               | 0.56               | 0.39               | 0.46               | 0.52               | 0.52               | 0.59               | 0.41               | 0.48               | 0.55               | 0.55               | 0.63               |
|                  |                    | PI            | 0.34           | 0.34               | 0.34               | 0.34               | 0.34               | 0.36               | 0.36               | 0.36               | 0.36               | 0.36               | 0.38               | 0.39               | 0.39               | 0.39               | 0.39               | 0.41               | 0.41               | 0.41               | 0.41               | 0.41               |
|                  | 47°F<br>(8.3°C)    | TC            | 7119           | 7129               | 7137               | 7137               | 7146               | 7548               | 7557               | 7565               | 7566               | 7575               | 7999               | 8010               | 8019               | 8020               | 8029               | 8481               | 8490               | 8500               | 8501               | 8512               |
|                  |                    | S/T           | 0.35           | 0.41               | 0.46               | 0.46               | 0.53               | 0.37               | 0.43               | 0.49               | 0.49               | 0.56               | 0.39               | 0.46               | 0.52               | 0.52               | 0.59               | 0.41               | 0.48               | 0.55               | 0.55               | 0.63               |
|                  |                    | PI            | 0.27           | 0.27               | 0.27               | 0.27               | 0.27               | 0.29               | 0.29               | 0.29               | 0.29               | 0.29               | 0.31               | 0.31               | 0.31               | 0.31               | 0.31               | 0.32               | 0.33               | 0.33               | 0.33               | 0.33               |
|                  | 50°F<br>(10.0°C)   | TC            | 7212           | 7222               | 7230               | 7230               | 7240               | 7647               | 7656               | 7663               | 7665               | 7674               | 8104               | 8114               | 8123               | 8125               | 8134               | 8592               | 8601               | 8611               | 8612               | 8623               |
|                  |                    | S/T           | 0.35           | 0.41               | 0.46               | 0.47               | 0.53               | 0.37               | 0.43               | 0.49               | 0.49               | 0.56               | 0.39               | 0.46               | 0.52               | 0.52               | 0.60               | 0.42               | 0.49               | 0.55               | 0.55               | 0.63               |
|                  |                    | PI            | 0.28           | 0.28               | 0.28               | 0.28               | 0.28               | 0.30               | 0.30               | 0.30               | 0.30               | 0.30               | 0.31               | 0.32               | 0.32               | 0.32               | 0.32               | 0.33               | 0.33               | 0.33               | 0.33               | 0.33               |
|                  | 59°F<br>(15.0°C)   | TC            | 7491           | 7501               | 7509               | 7509               | 7519               | 7942               | 7951               | 7959               | 7961               | 7970               | 8417               | 8427               | 8437               | 8438               | 8448               | 8924               | 8933               | 8943               | 8944               | 8956               |
|                  |                    | S/T           | 0.35           | 0.41               | 0.47               | 0.47               | 0.53               | 0.37               | 0.44               | 0.50               | 0.50               | 0.56               | 0.39               | 0.46               | 0.53               | 0.53               | 0.60               | 0.42               | 0.49               | 0.56               | 0.56               | 0.63               |
|                  |                    | PI            | 0.30           | 0.30               | 0.30               | 0.30               | 0.30               | 0.32               | 0.32               | 0.32               | 0.32               | 0.32               | 0.34               | 0.34               | 0.34               | 0.34               | 0.34               | 0.36               | 0.36               | 0.36               | 0.36               | 0.36               |
|                  | 68°F<br>(20.0°C)   | TC            | 7769           | 7780               | 7788               | 7788               | 7799               | 8237               | 8247               | 8255               | 8257               | 8267               | 8729               | 8741               | 8751               | 8752               | 8762               | 9255               | 9265               | 9276               | 9277               | 9289               |
|                  |                    | S/T           | 0.36           | 0.42               | 0.48               | 0.48               | 0.55               | 0.38               | 0.45               | 0.51               | 0.51               | 0.58               | 0.40               | 0.47               | 0.54               | 0.54               | 0.61               | 0.43               | 0.50               | 0.57               | 0.57               | 0.65               |
|                  |                    | PI            | 0.32           | 0.32               | 0.33               | 0.33               | 0.33               | 0.34               | 0.34               | 0.34               | 0.34               | 0.35               | 0.36               | 0.37               | 0.37               | 0.37               | 0.37               | 0.39               | 0.39               | 0.39               | 0.39               | 0.39               |
|                  | 77°F<br>(25.0°C)   | TC            | 8048           | 8058               | 8067               | 8067               | 8078               | 8533               | 8543               | 8551               | 8553               | 8563               | 9042               | 9054               | 9064               | 9066               | 9076               | 9587               | 9598               | 9608               | 9610               | 9622               |
|                  |                    | S/T           | 0.36           | 0.43               | 0.49               | 0.49               | 0.55               | 0.39               | 0.45               | 0.52               | 0.52               | 0.59               | 0.41               | 0.48               | 0.55               | 0.55               | 0.62               | 0.43               | 0.51               | 0.58               | 0.58               | 0.66               |
|                  |                    | PI            | 0.35           | 0.35               | 0.35               | 0.35               | 0.35               | 0.37               | 0.37               | 0.37               | 0.37               | 0.37               | 0.39               | 0.39               | 0.39               | 0.39               | 0.39               | 0.41               | 0.41               | 0.41               | 0.41               | 0.41               |
|                  | 82°F<br>(27.8°C)   | TC            | 8110           | 8121               | 8130               | 8130               | 8141               | 8599               | 8609               | 8617               | 8619               | 8629               | 9112               | 9124               | 9134               | 9136               | 9146               | 9662               | 9672               | 9683               | 9684               | 9696               |
|                  |                    | S/T           | 0.37           | 0.43               | 0.49               | 0.49               | 0.56               | 0.39               | 0.46               | 0.52               | 0.52               | 0.59               | 0.41               | 0.49               | 0.55               | 0.55               | 0.63               | 0.44               | 0.52               | 0.59               | 0.59               | 0.67               |
|                  |                    | PI            | 0.39           | 0.39               | 0.39               | 0.39               | 0.39               | 0.41               | 0.41               | 0.41               | 0.41               | 0.41               | 0.43               | 0.43               | 0.43               | 0.43               | 0.44               | 0.46               | 0.46               | 0.46               | 0.46               | 0.46               |
|                  | 86°F<br>(30.0°C)   | TC            | 8043           | 8054               | 8063               | 8063               | 8074               | 8528               | 8538               | 8547               | 8548               | 8559               | 9038               | 9049               | 9060               | 9061               | 9071               | 9582               | 9593               | 9603               | 9605               | 9617               |
|                  |                    | S/T           | 0.37           | 0.44               | 0.50               | 0.50               | 0.57               | 0.40               | 0.46               | 0.53               | 0.53               | 0.60               | 0.42               | 0.49               | 0.56               | 0.56               | 0.64               | 0.45               | 0.52               | 0.59               | 0.59               | 0.68               |
|                  |                    | PI            | 0.45           | 0.45               | 0.45               | 0.45               | 0.45               | 0.48               | 0.48               | 0.48               | 0.48               | 0.48               | 0.51               | 0.51               | 0.51               | 0.51               | 0.51               | 0.54               | 0.54               | 0.54               | 0.54               | 0.54               |
|                  | 95°F<br>(35.0°C)   | TC            | 7894           | 7904               | 7913               | 7913               | 7924               | 8369               | 8379               | 8388               | 8389               | 8399               | 8869               | 8881               | 8891               | 8892               | 8902               | 9404               | 9414               | 9424               | 9426               | 9437               |
|                  |                    | S/T           | 0.37           | 0.44               | 0.50               | 0.50               | 0.57               | 0.40               | 0.46               | 0.53               | 0.53               | 0.60               | 0.42               | 0.49               | 0.56               | 0.56               | 0.64               | 0.45               | 0.52               | 0.59               | 0.59               | 0.68               |
| PI               |                    | 0.60          | 0.60           | 0.60               | 0.60               | 0.60               | 0.63               |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |

COOLING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 6 (Sheet 2 of 4)

| AIRFLOW<br>(CFM) | OUTDOOR<br>DB(°F)  | ID WB<br>(°F) | 60.8°F(16.0°C) |                    |                    |                    |                    | 64.4°F(18.0°C)     |                    |                    |                    |                    | 67°F(19.4°C)       |                    |                    |                    |                    | 71.6°F(22.0°C)     |                    |                    |                    |                    |                    |
|------------------|--------------------|---------------|----------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                  |                    |               | ID DB          | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) |
|                  |                    |               | TC             | S/T                | PI                 | TC                 | S/T                | PI                 | TC                 | S/T                | PI                 | TC                 | S/T                | PI                 | TC                 | S/T                | PI                 | TC                 | S/T                | PI                 | TC                 | S/T                | PI                 |
| 259              | -22°F<br>(-30.0°C) | TC            | 6832           | 6841               | 6849               | 6849               | 6858               | 7244               | 7250               | 7259               | 7261               | 7269               | 7676               | 7686               | 7695               | 7696               | 7705               | 8139               | 8148               | 8157               | 8158               | 8168               |                    |
|                  |                    | S/T           | 0.38           | 0.44               | 0.50               | 0.50               | 0.57               | 0.40               | 0.47               | 0.53               | 0.53               | 0.60               | 0.42               | 0.49               | 0.56               | 0.56               | 0.64               | 0.45               | 0.52               | 0.60               | 0.60               | 0.68               |                    |
|                  |                    | PI            | 0.40           | 0.40               | 0.40               | 0.40               | 0.40               | 0.43               | 0.43               | 0.43               | 0.43               | 0.43               | 0.45               | 0.45               | 0.45               | 0.45               | 0.45               | 0.48               | 0.48               | 0.48               | 0.48               | 0.48               |                    |
|                  | -13°F<br>(-25.0°C) | TC            | 8739           | 8751               | 8760               | 8761               | 8772               | 9266               | 9277               | 9286               | 9288               | 9299               | 9819               | 9832               | 9843               | 9845               | 9856               | 10411              | 10422              | 10434              | 10435              | 10448              |                    |
|                  |                    | S/T           | 0.38           | 0.44               | 0.50               | 0.50               | 0.57               | 0.40               | 0.47               | 0.53               | 0.53               | 0.61               | 0.42               | 0.50               | 0.57               | 0.57               | 0.65               | 0.45               | 0.53               | 0.60               | 0.60               | 0.68               |                    |
|                  |                    | PI            | 0.50           | 0.50               | 0.50               | 0.50               | 0.51               | 0.53               | 0.53               | 0.53               | 0.53               | 0.54               | 0.57               | 0.57               | 0.57               | 0.57               | 0.57               | 0.60               | 0.60               | 0.60               | 0.60               | 0.60               |                    |
|                  | -4°F<br>(-20.0°C)  | TC            | 8640           | 8651               | 8660               | 8661               | 8673               | 9160               | 9171               | 9180               | 9182               | 9193               | 9707               | 9720               | 9731               | 9733               | 9744               | 10292              | 10304              | 10315              | 10316              | 10329              |                    |
|                  |                    | S/T           | 0.38           | 0.45               | 0.51               | 0.51               | 0.58               | 0.40               | 0.47               | 0.54               | 0.54               | 0.61               | 0.43               | 0.50               | 0.57               | 0.57               | 0.65               | 0.45               | 0.53               | 0.60               | 0.60               | 0.69               |                    |
|                  |                    | PI            | 0.50           | 0.50               | 0.50               | 0.50               | 0.50               | 0.53               | 0.53               | 0.53               | 0.53               | 0.54               | 0.57               | 0.57               | 0.57               | 0.57               | 0.57               | 0.60               | 0.60               | 0.60               | 0.60               | 0.60               |                    |
|                  | 0°F<br>(-17.8°C)   | TC            | 8595           | 8607               | 8616               | 8616               | 8628               | 9113               | 9124               | 9133               | 9135               | 9146               | 9658               | 9670               | 9681               | 9683               | 9694               | 10240              | 10251              | 10262              | 10264              | 10276              |                    |
|                  |                    | S/T           | 0.38           | 0.45               | 0.51               | 0.51               | 0.58               | 0.40               | 0.47               | 0.54               | 0.54               | 0.61               | 0.43               | 0.50               | 0.57               | 0.57               | 0.65               | 0.45               | 0.53               | 0.61               | 0.61               | 0.69               |                    |
|                  |                    | PI            | 0.50           | 0.50               | 0.50               | 0.50               | 0.50               | 0.53               | 0.53               | 0.53               | 0.53               | 0.53               | 0.56               | 0.57               | 0.57               | 0.57               | 0.57               | 0.60               | 0.60               | 0.60               | 0.60               | 0.60               |                    |
|                  | 5°F<br>(-15.0°C)   | TC            | 8540           | 8551               | 8561               | 8561               | 8573               | 9055               | 9065               | 9074               | 9076               | 9087               | 9596               | 9608               | 9619               | 9621               | 9631               | 10174              | 10185              | 10196              | 10197              | 10210              |                    |
|                  |                    | S/T           | 0.38           | 0.45               | 0.51               | 0.51               | 0.58               | 0.41               | 0.48               | 0.54               | 0.54               | 0.62               | 0.43               | 0.50               | 0.57               | 0.57               | 0.65               | 0.46               | 0.54               | 0.61               | 0.61               | 0.69               |                    |
|                  |                    | PI            | 0.50           | 0.50               | 0.50               | 0.50               | 0.50               | 0.53               | 0.53               | 0.53               | 0.53               | 0.53               | 0.56               | 0.57               | 0.57               | 0.57               | 0.57               | 0.60               | 0.60               | 0.60               | 0.60               | 0.60               |                    |
|                  | 14°F<br>(-10.0°C)  | TC            | 8786           | 8798               | 8807               | 8808               | 8820               | 9316               | 9327               | 9336               | 9338               | 9349               | 9872               | 9885               | 9896               | 9898               | 9909               | 10467              | 10478              | 10490              | 10491              | 10504              |                    |
|                  |                    | S/T           | 0.38           | 0.45               | 0.51               | 0.51               | 0.58               | 0.41               | 0.48               | 0.54               | 0.54               | 0.62               | 0.43               | 0.51               | 0.57               | 0.58               | 0.66               | 0.46               | 0.54               | 0.61               | 0.61               | 0.69               |                    |
|                  |                    | PI            | 0.50           | 0.50               | 0.51               | 0.51               | 0.51               | 0.53               | 0.54               | 0.54               | 0.54               | 0.54               | 0.57               | 0.57               | 0.57               | 0.57               | 0.57               | 0.60               | 0.60               | 0.60               | 0.60               | 0.60               |                    |
|                  | 17°F<br>(-8.3°C)   | TC            | 8868           | 8880               | 8890               | 8890               | 8902               | 9403               | 9414               | 9423               | 9425               | 9436               | 9964               | 9977               | 9988               | 9990               | 10001              | 10565              | 10576              | 10588              | 10589              | 10602              |                    |
|                  |                    | S/T           | 0.38           | 0.45               | 0.51               | 0.51               | 0.59               | 0.41               | 0.48               | 0.54               | 0.54               | 0.62               | 0.43               | 0.51               | 0.58               | 0.58               | 0.66               | 0.46               | 0.54               | 0.61               | 0.61               | 0.70               |                    |
|                  |                    | PI            | 0.50           | 0.51               | 0.51               | 0.51               | 0.51               | 0.54               | 0.54               | 0.54               | 0.54               | 0.54               | 0.57               | 0.57               | 0.57               | 0.57               | 0.57               | 0.60               | 0.60               | 0.60               | 0.60               | 0.60               |                    |
|                  | 23°F<br>(-5.0°C)   | TC            | 8818           | 8830               | 8839               | 8840               | 8852               | 9349               | 9360               | 9370               | 9372               | 9383               | 9908               | 9921               | 9932               | 9934               | 9945               | 10505              | 10516              | 10528              | 10529              | 10542              |                    |
|                  |                    | S/T           | 0.39           | 0.45               | 0.52               | 0.52               | 0.59               | 0.41               | 0.48               | 0.55               | 0.55               | 0.62               | 0.43               | 0.51               | 0.58               | 0.58               | 0.66               | 0.46               | 0.54               | 0.61               | 0.61               | 0.70               |                    |
|                  |                    | PI            | 0.49           | 0.49               | 0.49               | 0.49               | 0.49               | 0.52               | 0.52               | 0.52               | 0.52               | 0.52               | 0.55               | 0.55               | 0.55               | 0.55               | 0.55               | 0.59               | 0.59               | 0.59               | 0.59               | 0.59               |                    |
|                  | 35°F<br>(1.7°C)    | TC            | 8718           | 8729               | 8739               | 8739               | 8751               | 9243               | 9254               | 9263               | 9265               | 9276               | 9795               | 9808               | 9819               | 9821               | 9832               | 10385              | 10397              | 10408              | 10410              | 10423              |                    |
|                  |                    | S/T           | 0.39           | 0.46               | 0.52               | 0.52               | 0.59               | 0.41               | 0.48               | 0.55               | 0.55               | 0.63               | 0.44               | 0.51               | 0.58               | 0.58               | 0.66               | 0.46               | 0.54               | 0.62               | 0.62               | 0.70               |                    |
|                  |                    | PI            | 0.46           | 0.47               | 0.47               | 0.47               | 0.47               | 0.49               | 0.49               | 0.49               | 0.49               | 0.49               | 0.52               | 0.52               | 0.52               | 0.52               | 0.52               | 0.55               | 0.55               | 0.55               | 0.55               | 0.56               |                    |
|                  | 41°F<br>(5.0°C)    | TC            | 8368           | 8379               | 8388               | 8388               | 8400               | 8872               | 8882               | 8891               | 8893               | 8904               | 9402               | 9414               | 9425               | 9426               | 9437               | 9969               | 9979               | 9990               | 9992               | 10004              |                    |
|                  |                    | S/T           | 0.39           | 0.46               | 0.52               | 0.52               | 0.59               | 0.41               | 0.48               | 0.55               | 0.55               | 0.63               | 0.44               | 0.51               | 0.58               | 0.58               | 0.67               | 0.46               | 0.54               | 0.62               | 0.62               | 0.71               |                    |
|                  |                    | PI            | 0.39           | 0.39               | 0.39               | 0.39               | 0.39               | 0.41               | 0.41               | 0.41               | 0.41               | 0.41               | 0.43               | 0.43               | 0.43               | 0.43               | 0.44               | 0.46               | 0.46               | 0.46               | 0.46               | 0.46               |                    |
|                  | 47°F<br>(8.3°C)    | TC            | 8018           | 8029               | 8037               | 8038               | 8048               | 8501               | 8511               | 8519               | 8521               | 8531               | 9009               | 9021               | 9031               | 9032               | 9042               | 9552               | 9562               | 9572               | 9574               | 9586               |                    |
|                  |                    | S/T           | 0.39           | 0.46               | 0.52               | 0.52               | 0.59               | 0.41               | 0.49               | 0.55               | 0.55               | 0.63               | 0.44               | 0.52               | 0.59               | 0.59               | 0.67               | 0.47               | 0.55               | 0.62               | 0.62               | 0.71               |                    |
|                  |                    | PI            | 0.31           | 0.31               | 0.31               | 0.31               | 0.31               | 0.33               | 0.33               | 0.33               | 0.33               | 0.33               | 0.35               | 0.35               | 0.35               | 0.35               | 0.35               | 0.37               | 0.37               | 0.37               | 0.37               | 0.37               |                    |
|                  | 50°F<br>(10.0°C)   | TC            | 8122           | 8133               | 8142               | 8142               | 8153               | 8612               | 8622               | 8631               | 8632               | 8643               | 9126               | 9138               | 9148               | 9150               | 9160               | 9676               | 9687               | 9697               | 9699               | 9711               |                    |
|                  |                    | S/T           | 0.39           | 0.46               | 0.52               | 0.52               | 0.60               | 0.42               | 0.49               | 0.56               | 0.56               | 0.63               | 0.44               | 0.52               | 0.59               | 0.59               | 0.67               | 0.47               | 0.55               | 0.62               | 0.62               | 0.71               |                    |
|                  |                    | PI            | 0.32           | 0.32               | 0.32               | 0.32               | 0.32               | 0.33               | 0.33               | 0.34               | 0.34               | 0.34               | 0.35               | 0.35               | 0.36               | 0.36               | 0.36               | 0.38               | 0.38               | 0.38               | 0.38               | 0.38               |                    |
|                  | 59°F<br>(15.0°C)   | TC            | 8436           | 8447               | 8456               | 8457               | 8468               | 8944               | 8955               | 8964               | 8966               | 8976               | 9479               | 9491               | 9502               | 9503               | 9514               | 10050              | 10061              | 10072              | 10073              | 10086              |                    |
|                  |                    | S/T           | 0.39           | 0.46               | 0.53               | 0.53               | 0.60               | 0.42               | 0.49               | 0.56               | 0.56               | 0.64               | 0.44               | 0.52               | 0.59               | 0.59               | 0.67               | 0.47               | 0.55               | 0.63               | 0.63               | 0.71               |                    |
|                  |                    | PI            | 0.34           | 0.34               | 0.34               | 0.34               | 0.34               | 0.36               | 0.36               | 0.36               | 0.36               | 0.36               | 0.38               | 0.38               | 0.38               | 0.38               | 0.38               | 0.41               | 0.41               | 0.41               | 0.41               | 0.41               |                    |
|                  | 68°F<br>(20.0°C)   | TC            | 8750           | 8761               | 8771               | 8771               | 8783               | 9277               | 9288               | 9297               | 9299               | 9310               | 9831               | 9844               | 9855               | 9857               | 9868               | 10424              | 10435              | 10446              | 10448              | 10461              |                    |
|                  |                    | S/T           | 0.41           | 0.48               | 0.54               | 0.54               | 0.62               | 0.43               | 0.50               | 0.57               | 0.57               | 0.65               | 0.46               | 0.53               | 0.61               | 0.61               | 0.69               | 0.48               | 0.57               | 0.64               | 0.64               | 0.73               |                    |
|                  |                    | PI            | 0.37           | 0.37               | 0.37               | 0.37               | 0.37               | 0.39               | 0.39               | 0.39               | 0.39               | 0.39               | 0.41               | 0.41               | 0.41               | 0.41               | 0.41               | 0.44               | 0.44               | 0.44               | 0.44               | 0.44               |                    |
|                  | 77°F<br>(25.0°C)   | TC            | 9063           | 9075               | 9085               | 9086               | 9098               | 9610               | 9621               | 9630               | 9632               | 9644               | 10184              | 10197              | 10208              | 10210              | 10222              | 10797              | 10809              | 10821              | 10822              | 10836              |                    |
|                  |                    | S/T           | 0.41           | 0.48               | 0.55               | 0.55               | 0.62               | 0.44               | 0.51               | 0.58               | 0.58               | 0.66               | 0.46               | 0.54               | 0.61               | 0.62               | 0.70               | 0.49               | 0.57               | 0.65               | 0.65               | 0.74               |                    |
|                  |                    | PI            | 0.39           | 0.39               | 0.39               | 0.39               | 0.39               | 0.41               | 0.41               | 0.41               | 0.42               | 0.42               | 0.44               | 0.44               | 0.44               | 0.44               | 0.44               | 0.47               | 0.47               | 0.47               | 0.47               | 0.47               |                    |
|                  | 82°F<br>(27.8°C)   | TC            | 9134           | 9146               | 9156               | 9156               | 9168               | 9684               | 9695               | 9705               | 9707               | 9719               | 10263              | 10276              | 10287              | 10289              | 10301              | 10881              | 10893              | 10905              | 10906              | 10920              |                    |
|                  |                    | S/T           | 0.42           | 0.49               | 0.55               | 0.55               | 0.63               | 0.44               | 0.52               | 0.59               | 0.59               | 0.67               | 0.47               | 0.55               | 0.62               | 0.62               | 0.71               | 0.50               | 0.58               | 0.66               | 0.66               | 0.75               |                    |
|                  |                    | PI            | 0.43           | 0.44               | 0.44               | 0.44               | 0.44               | 0.46               | 0.46               | 0.46               | 0.46               | 0.46               | 0.49               | 0.49               | 0.49               | 0.49               | 0.49               | 0.52               | 0.52               | 0.52               | 0.52               | 0.52               |                    |
|                  | 86°F<br>(30.0°C)   | TC            | 9059           | 9071               | 9081               | 9081               | 9093               | 9605               | 9616               | 9625               | 9627               | 9639               | 10178              | 10192              | 10203              | 10205              | 10216              | 10792              | 10803              | 10815              | 10817              | 10830              |                    |
|                  |                    | S/T           | 0.42           | 0.49               | 0.56               | 0.56               | 0.64               | 0.45               | 0.52               | 0.60               | 0.60               | 0.68               | 0.47               | 0.56               | 0.63               | 0.63               | 0.72               | 0.50               | 0.59               | 0.67               | 0.67               | 0.76               |                    |
|                  |                    | PI            | 0.51           | 0.51               | 0.51               | 0.51               | 0.51               | 0.54               | 0.54               | 0.54               | 0.54               | 0.54               | 0.57               | 0.57               | 0.57               | 0.57               | 0.57               | 0.60               | 0.61               | 0.61               | 0.61               | 0.61               |                    |
|                  | 95°F<br>(35.0°C)   | TC            | 8890           | 8902               | 8911               | 8912               | 8924               | 9426               | 9437               | 9446               | 9448               | 9459               | 9989               | 1000               |                    |                    |                    |                    |                    |                    |                    |                    |                    |

| COOLING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 6 (Sheet 3 of 4) |                    |                                |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |
|--------------------------------------------------------------------------|--------------------|--------------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| AIRFLOW<br>(CFM)                                                         | OUTDOOR<br>DB(°F)  | ID WB<br>(°F)<br>ID DB<br>(°F) | 60.8°F(16.0°C)     |                    |                    |                    |                    | 64.4°F(18.0°C)     |                    |                    |                    |                    | 67°F(19.4°C)       |                    |                    |                    |                    | 71.6°F(22.0°C)     |                    |                    |                    |                    |
|                                                                          |                    |                                | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) |
| 294                                                                      | -22°F<br>(-30.0°C) | TC                             | 7694               | 7705               | 7713               | 7713               | 7724               | 8158               | 8168               | 8176               | 8177               | 8187               | 8645               | 8657               | 8666               | 8668               | 8677               | 9166               | 9176               | 9186               | 9188               | 9199               |
|                                                                          |                    | S/T                            | 0.42               | 0.50               | 0.56               | 0.56               | 0.64               | 0.45               | 0.53               | 0.60               | 0.60               | 0.68               | 0.47               | 0.56               | 0.63               | 0.63               | 0.72               | 0.50               | 0.59               | 0.67               | 0.67               | 0.77               |
|                                                                          |                    | PI                             | 0.45               | 0.45               | 0.45               | 0.45               | 0.45               | 0.48               | 0.48               | 0.48               | 0.48               | 0.48               | 0.51               | 0.51               | 0.51               | 0.51               | 0.51               | 0.54               | 0.54               | 0.54               | 0.54               | 0.54               |
|                                                                          | -13°F<br>(-25.0°C) | TC                             | 9842               | 9855               | 9866               | 9866               | 9880               | 10435              | 10448              | 10458              | 10460              | 10472              | 11059              | 11073              | 11085              | 11087              | 11100              | 11725              | 11738              | 11751              | 11752              | 11767              |
|                                                                          |                    | S/T                            | 0.43               | 0.50               | 0.57               | 0.57               | 0.65               | 0.45               | 0.53               | 0.60               | 0.60               | 0.69               | 0.48               | 0.56               | 0.64               | 0.64               | 0.73               | 0.51               | 0.59               | 0.68               | 0.68               | 0.77               |
|                                                                          |                    | PI                             | 0.57               | 0.57               | 0.57               | 0.57               | 0.57               | 0.60               | 0.60               | 0.60               | 0.60               | 0.60               | 0.64               | 0.64               | 0.64               | 0.64               | 0.64               | 0.68               | 0.68               | 0.68               | 0.68               | 0.68               |
|                                                                          | -4°F<br>(-20.0°C)  | TC                             | 9730               | 9743               | 9754               | 9754               | 9767               | 10316              | 10329              | 10339              | 10341              | 10353              | 10933              | 10947              | 10959              | 10961              | 10973              | 11591              | 11604              | 11617              | 11618              | 11633              |
|                                                                          |                    | S/T                            | 0.43               | 0.50               | 0.57               | 0.57               | 0.65               | 0.45               | 0.53               | 0.60               | 0.60               | 0.69               | 0.48               | 0.56               | 0.64               | 0.64               | 0.73               | 0.51               | 0.60               | 0.68               | 0.68               | 0.77               |
|                                                                          |                    | PI                             | 0.57               | 0.57               | 0.57               | 0.57               | 0.57               | 0.60               | 0.60               | 0.60               | 0.60               | 0.60               | 0.64               | 0.64               | 0.64               | 0.64               | 0.64               | 0.67               | 0.68               | 0.68               | 0.68               | 0.68               |
|                                                                          | 0°F<br>(-17.8°C)   | TC                             | 9680               | 9693               | 9704               | 9704               | 9717               | 10263              | 10276              | 10286              | 10288              | 10300              | 10877              | 10891              | 10903              | 10905              | 10917              | 11532              | 11545              | 11557              | 11559              | 11573              |
|                                                                          |                    | S/T                            | 0.43               | 0.50               | 0.57               | 0.57               | 0.65               | 0.45               | 0.53               | 0.61               | 0.61               | 0.69               | 0.48               | 0.57               | 0.64               | 0.64               | 0.73               | 0.51               | 0.60               | 0.68               | 0.68               | 0.78               |
|                                                                          |                    | PI                             | 0.57               | 0.57               | 0.57               | 0.57               | 0.57               | 0.60               | 0.60               | 0.60               | 0.60               | 0.60               | 0.64               | 0.64               | 0.64               | 0.64               | 0.64               | 0.67               | 0.68               | 0.68               | 0.68               | 0.68               |
|                                                                          | 5°F<br>(-15.0°C)   | TC                             | 9618               | 9631               | 9641               | 9642               | 9655               | 10197              | 10209              | 10220              | 10222              | 10234              | 10807              | 10821              | 10833              | 10835              | 10847              | 11458              | 11470              | 11483              | 11485              | 11499              |
|                                                                          |                    | S/T                            | 0.43               | 0.51               | 0.58               | 0.58               | 0.66               | 0.46               | 0.54               | 0.61               | 0.61               | 0.69               | 0.48               | 0.57               | 0.65               | 0.65               | 0.74               | 0.51               | 0.60               | 0.68               | 0.69               | 0.78               |
|                                                                          |                    | PI                             | 0.57               | 0.57               | 0.57               | 0.57               | 0.57               | 0.60               | 0.60               | 0.60               | 0.60               | 0.60               | 0.64               | 0.64               | 0.64               | 0.64               | 0.64               | 0.67               | 0.68               | 0.68               | 0.68               | 0.68               |
|                                                                          | 14°F<br>(-10.0°C)  | TC                             | 9895               | 9908               | 9919               | 9919               | 9933               | 10491              | 10504              | 10514              | 10516              | 10529              | 11118              | 11133              | 11145              | 11147              | 11159              | 11788              | 11801              | 11814              | 11815              | 11830              |
|                                                                          |                    | S/T                            | 0.43               | 0.51               | 0.58               | 0.58               | 0.66               | 0.46               | 0.54               | 0.61               | 0.61               | 0.70               | 0.49               | 0.57               | 0.65               | 0.65               | 0.74               | 0.51               | 0.60               | 0.69               | 0.69               | 0.78               |
|                                                                          |                    | PI                             | 0.57               | 0.57               | 0.57               | 0.57               | 0.57               | 0.60               | 0.60               | 0.60               | 0.60               | 0.60               | 0.64               | 0.64               | 0.64               | 0.64               | 0.64               | 0.68               | 0.68               | 0.68               | 0.68               | 0.68               |
|                                                                          | 17°F<br>(-8.3°C)   | TC                             | 9987               | 10001              | 10012              | 10012              | 10026              | 10589              | 10602              | 10612              | 10614              | 10627              | 11222              | 11236              | 11249              | 11251              | 11264              | 11898              | 11911              | 11924              | 11926              | 11941              |
|                                                                          |                    | S/T                            | 0.43               | 0.51               | 0.58               | 0.58               | 0.66               | 0.46               | 0.54               | 0.61               | 0.61               | 0.70               | 0.49               | 0.57               | 0.65               | 0.65               | 0.74               | 0.52               | 0.61               | 0.69               | 0.69               | 0.78               |
|                                                                          |                    | PI                             | 0.57               | 0.57               | 0.57               | 0.57               | 0.57               | 0.60               | 0.60               | 0.60               | 0.60               | 0.60               | 0.64               | 0.64               | 0.64               | 0.64               | 0.64               | 0.68               | 0.68               | 0.68               | 0.68               | 0.68               |
|                                                                          | 23°F<br>(-5.0°C)   | TC                             | 9931               | 9944               | 9955               | 9955               | 9969               | 10529              | 10542              | 10552              | 10554              | 10567              | 11158              | 11173              | 11185              | 11187              | 11200              | 11831              | 11844              | 11856              | 11858              | 11873              |
|                                                                          |                    | S/T                            | 0.44               | 0.51               | 0.58               | 0.58               | 0.66               | 0.46               | 0.54               | 0.62               | 0.62               | 0.70               | 0.49               | 0.57               | 0.65               | 0.65               | 0.74               | 0.52               | 0.61               | 0.69               | 0.69               | 0.79               |
|                                                                          |                    | PI                             | 0.55               | 0.55               | 0.55               | 0.55               | 0.56               | 0.59               | 0.59               | 0.59               | 0.59               | 0.59               | 0.62               | 0.62               | 0.62               | 0.62               | 0.62               | 0.66               | 0.66               | 0.66               | 0.66               | 0.66               |
| 35°F<br>(1.7°C)                                                          | TC                 | 9818                           | 9831               | 9842               | 9842               | 9855               | 10410              | 10422              | 10432              | 10434              | 10447              | 11031              | 11046              | 11058              | 11060              | 11073              | 11696              | 11709              | 11722              | 11723              | 11738              |                    |
|                                                                          | S/T                | 0.44                           | 0.51               | 0.58               | 0.58               | 0.67               | 0.46               | 0.54               | 0.62               | 0.62               | 0.71               | 0.49               | 0.58               | 0.66               | 0.66               | 0.75               | 0.52               | 0.61               | 0.70               | 0.70               | 0.79               |                    |
|                                                                          | PI                 | 0.52                           | 0.52               | 0.52               | 0.52               | 0.53               | 0.55               | 0.56               | 0.56               | 0.56               | 0.56               | 0.59               | 0.59               | 0.59               | 0.59               | 0.59               | 0.62               | 0.62               | 0.62               | 0.62               | 0.63               |                    |
| 41°F<br>(5.0°C)                                                          | TC                 | 9424                           | 9437               | 9447               | 9447               | 9460               | 9992               | 10004              | 10013              | 10015              | 10027              | 10589              | 10602              | 10614              | 10616              | 10628              | 11227              | 11239              | 11251              | 11253              | 11267              |                    |
|                                                                          | S/T                | 0.44                           | 0.51               | 0.59               | 0.59               | 0.67               | 0.47               | 0.55               | 0.62               | 0.62               | 0.71               | 0.49               | 0.58               | 0.66               | 0.66               | 0.75               | 0.52               | 0.61               | 0.70               | 0.70               | 0.79               |                    |
|                                                                          | PI                 | 0.43                           | 0.44               | 0.44               | 0.44               | 0.44               | 0.46               | 0.46               | 0.46               | 0.46               | 0.46               | 0.49               | 0.49               | 0.49               | 0.49               | 0.49               | 0.52               | 0.52               | 0.52               | 0.52               | 0.52               |                    |
| 47°F<br>(8.3°C)                                                          | TC                 | 9030                           | 9042               | 9052               | 9052               | 9064               | 9574               | 9585               | 9595               | 9597               | 9608               | 10146              | 10159              | 10170              | 10172              | 10184              | 10757              | 10769              | 10781              | 10782              | 10796              |                    |
|                                                                          | S/T                | 0.44                           | 0.52               | 0.59               | 0.59               | 0.67               | 0.47               | 0.55               | 0.62               | 0.62               | 0.71               | 0.49               | 0.58               | 0.66               | 0.66               | 0.75               | 0.52               | 0.62               | 0.70               | 0.70               | 0.80               |                    |
|                                                                          | PI                 | 0.35                           | 0.35               | 0.35               | 0.35               | 0.35               | 0.37               | 0.37               | 0.37               | 0.37               | 0.37               | 0.39               | 0.39               | 0.39               | 0.39               | 0.39               | 0.41               | 0.41               | 0.41               | 0.41               | 0.41               |                    |
| 50°F<br>(10.0°C)                                                         | TC                 | 9148                           | 9160               | 9170               | 9170               | 9182               | 9699               | 9710               | 9720               | 9722               | 9733               | 10278              | 10292              | 10303              | 10305              | 10316              | 10898              | 10909              | 10921              | 10923              | 10937              |                    |
|                                                                          | S/T                | 0.44                           | 0.52               | 0.59               | 0.59               | 0.67               | 0.47               | 0.55               | 0.63               | 0.63               | 0.71               | 0.50               | 0.58               | 0.66               | 0.66               | 0.76               | 0.53               | 0.62               | 0.70               | 0.70               | 0.80               |                    |
|                                                                          | PI                 | 0.36                           | 0.36               | 0.36               | 0.36               | 0.36               | 0.38               | 0.38               | 0.38               | 0.38               | 0.38               | 0.40               | 0.40               | 0.40               | 0.40               | 0.40               | 0.42               | 0.42               | 0.42               | 0.42               | 0.42               |                    |
| 59°F<br>(15.0°C)                                                         | TC                 | 9501                           | 9514               | 9524               | 9524               | 9537               | 10073              | 10085              | 10095              | 10097              | 10109              | 10675              | 10689              | 10701              | 10703              | 10715              | 11318              | 11331              | 11343              | 11345              | 11359              |                    |
|                                                                          | S/T                | 0.44                           | 0.52               | 0.59               | 0.59               | 0.68               | 0.47               | 0.55               | 0.63               | 0.63               | 0.72               | 0.50               | 0.59               | 0.67               | 0.67               | 0.76               | 0.53               | 0.62               | 0.71               | 0.71               | 0.80               |                    |
|                                                                          | PI                 | 0.38                           | 0.38               | 0.38               | 0.38               | 0.38               | 0.41               | 0.41               | 0.41               | 0.41               | 0.41               | 0.43               | 0.43               | 0.43               | 0.43               | 0.43               | 0.46               | 0.46               | 0.46               | 0.46               | 0.46               |                    |
| 68°F<br>(20.0°C)                                                         | TC                 | 9854                           | 9867               | 9878               | 9878               | 9892               | 10448              | 10460              | 10471              | 10473              | 10485              | 11072              | 11086              | 11099              | 11101              | 11113              | 11739              | 11752              | 11765              | 11767              | 11781              |                    |
|                                                                          | S/T                | 0.46                           | 0.54               | 0.61               | 0.61               | 0.69               | 0.48               | 0.57               | 0.65               | 0.65               | 0.74               | 0.51               | 0.60               | 0.68               | 0.68               | 0.78               | 0.54               | 0.64               | 0.72               | 0.72               | 0.83               |                    |
|                                                                          | PI                 | 0.41                           | 0.41               | 0.41               | 0.41               | 0.41               | 0.44               | 0.44               | 0.44               | 0.44               | 0.44               | 0.46               | 0.46               | 0.46               | 0.46               | 0.46               | 0.49               | 0.49               | 0.49               | 0.49               | 0.49               |                    |
| 77°F<br>(25.0°C)                                                         | TC                 | 10207                          | 10221              | 10232              | 10232              | 10246              | 10822              | 10835              | 10846              | 10848              | 10861              | 11469              | 11484              | 11497              | 11499              | 11512              | 12160              | 12173              | 12186              | 12188              | 12203              |                    |
|                                                                          | S/T                | 0.46                           | 0.54               | 0.62               | 0.62               | 0.70               | 0.49               | 0.57               | 0.65               | 0.65               | 0.74               | 0.52               | 0.61               | 0.69               | 0.69               | 0.79               | 0.55               | 0.65               | 0.73               | 0.73               | 0.84               |                    |
|                                                                          | PI                 | 0.44                           | 0.44               | 0.44               | 0.44               | 0.44               | 0.47               | 0.47               | 0.47               | 0.47               | 0.47               | 0.49               | 0.49               | 0.50               | 0.50               | 0.50               | 0.52               | 0.52               | 0.53               | 0.53               | 0.53               |                    |
| 82°F<br>(27.8°C)                                                         | TC                 | 10286                          | 10300              | 10311              | 10312              | 10326              | 10906              | 10919              | 10930              | 10932              | 10945              | 11558              | 11573              | 11586              | 11588              | 11601              | 12254              | 12268              | 12281              | 12283              | 12298              |                    |
|                                                                          | S/T                | 0.47                           | 0.55               | 0.62               | 0.62               | 0.71               | 0.50               | 0.58               | 0.66               | 0.66               | 0.75               | 0.53               | 0.62               | 0.70               | 0.70               | 0.80               | 0.56               | 0.65               | 0.74               | 0.74               | 0.85               |                    |
|                                                                          | PI                 | 0.49                           | 0.49               | 0.49               | 0.49               | 0.49               | 0.52               | 0.52               | 0.52               | 0.52               | 0.52               | 0.55               | 0.55               | 0.55               | 0.55               | 0.55               | 0.58               | 0.58               | 0.58               | 0.58               | 0.58               |                    |
| 86°F<br>(30.0°C)                                                         | TC                 | 10202                          | 10216              | 10227              | 10227              | 10241              | 10817              | 10830              | 10840              | 10842              | 10855              | 11463              | 11478              | 11491              | 11493              | 11506              | 12154              | 12167              | 12180              | 12182              | 12197              |                    |
|                                                                          | S/T                | 0.47                           | 0.56               | 0.63               | 0.63               | 0.72               | 0.50               | 0.59               | 0.67               | 0.67               | 0.76               | 0.53               | 0.63               | 0.71               | 0.71               | 0.81               | 0.56               | 0.66               | 0.75               | 0.75               | 0.86               |                    |
|                                                                          | PI                 | 0.57                           | 0.57               | 0.57               | 0.57               | 0.57               | 0.61               | 0.61               | 0.61               | 0.61               | 0.61               | 0.64               | 0.64               | 0.64               | 0.64               | 0.64               | 0.68               | 0.68               | 0.68               | 0.68               | 0.68               |                    |
| 95°F<br>(35.0°C)                                                         | TC                 | 10012                          | 10025              | 10036              | 10037              | 10050              | 10615              | 10628              | 10638              | 10641              | 10653              | 11250              | 11264              | 11277              | 11279              | 11291              | 11927              | 11940              | 11953              | 11955              | 11970              |                    |
|                                                                          | S/T                | 0.47                           | 0.56               | 0.63               | 0.63               | 0.72               | 0.50               | 0.59               | 0.67               | 0.67               | 0.76               | 0.53               | 0.63               | 0.71               | 0.71               | 0.81               | 0.56               | 0.66               | 0.75               | 0.75               | 0.86               |                    |
|                                                                          | PI                 | 0.76                           | 0.76               | 0.76               | 0.76               | 0.76               | 0.80               | 0.80               | 0.80               | 0.80               | 0.81               | 0.85               | 0.85               | 0.85               | 0.85               | 0.85               | 0.90               | 0.90               | 0.90               | 0.90               | 0.90               |                    |
| 104°F<br>(40.0°C)                                                        | TC                 | 9273                           | 9285               | 9295               | 9296               | 9308               | 9832               | 9843               | 9853               | 9855               | 9867               | 10419              | 10433              | 10444              | 10446              | 10458              | 11047              | 11059              | 11071              | 11073              | 11086              |                    |
|                                                                          | S/T                | 0.49                           | 0.57               | 0.65               | 0.65               | 0.74               | 0.52               | 0.60               | 0.69               | 0.69               | 0.78               | 0.55               | 0.64               | 0.73               | 0.73               | 0.83               | 0.58               | 0.68               | 0.77               | 0.77               | 0.88               |                    |
|                                                                          | PI                 | 0.79                           | 0.79               | 0.79               | 0.79               | 0.80               | 0.84               | 0.84               | 0.84               | 0.84               | 0.84               | 0.89               | 0.89               | 0.89               | 0.89               | 0.89               | 0.94               | 0.95               | 0.95               | 0.95               | 0.95               |                    |
| 110°F<br>(43.0°C)                                                        | TC                 | 8829                           | 8841               | 8851               | 8851               | 8863               | 9362               | 9373               | 9382               | 9384               | 9395               | 9921               | 9934               | 9945               | 9947               | 9958               | 10519              | 10530              | 10542              | 10543              | 10556              |                    |
|                                                                          | S/T                | 0.50                           | 0.59               | 0.67               | 0.67               | 0.77               | 0.53               | 0.63               | 0.71               | 0.71               | 0.81               | 0.57               | 0.66               | 0.75               | 0.75               | 0.86               |                    |                    |                    |                    |                    |                    |

COOLING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 6 (Sheet 4 of 4)

| AIRFLOW<br>(CFM) | OUTDOOR<br>DB(°F)  | ID WB<br>(°F) | 60.8°F(16.0°C) |                    |                    |                    |                    | 64.4°F(18.0°C)     |                    |                    |                    |                    | 67°F(19.4°C)       |                    |                    |                    |                    | 71.6°F(22.0°C)     |                    |                    |                    |                    |                    |
|------------------|--------------------|---------------|----------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                  |                    |               | ID DB<br>(°F)  | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) |
|                  |                    |               | TC             | S/T                | PI                 | TC                 | S/T                | PI                 | TC                 | S/T                | PI                 | TC                 | S/T                | PI                 | TC                 | S/T                | PI                 | TC                 | S/T                | PI                 | TC                 | S/T                | PI                 |
| 341              | -22°F<br>(-30.0°C) | TC            | 8665           | 8677               | 8686               | 8687               | 8698               | 9188               | 9198               | 9208               | 9209               | 9220               | 9736               | 9749               | 9760               | 9762               | 9773               | 10323              | 10334              | 10346              | 10347              | 10360              |                    |
|                  |                    | S/T           | 0.48           | 0.56               | 0.63               | 0.63               | 0.72               | 0.50               | 0.59               | 0.67               | 0.67               | 0.77               | 0.53               | 0.63               | 0.71               | 0.71               | 0.81               | 0.57               | 0.67               | 0.76               | 0.76               | 0.86               |                    |
|                  |                    | PI            | 0.51           | 0.51               | 0.51               | 0.51               | 0.51               | 0.54               | 0.54               | 0.54               | 0.54               | 0.54               | 0.57               | 0.57               | 0.57               | 0.57               | 0.58               | 0.61               | 0.61               | 0.61               | 0.61               | 0.61               |                    |
|                  | -13°F<br>(-25.0°C) | TC            | 11084          | 11099              | 11111              | 11112              | 11127              | 11752              | 11766              | 11778              | 11780              | 11794              | 12454              | 12471              | 12485              | 12487              | 12501              | 13205              | 13219              | 13234              | 13236              | 13252              |                    |
|                  |                    | S/T           | 0.48           | 0.56               | 0.64               | 0.64               | 0.73               | 0.51               | 0.60               | 0.68               | 0.68               | 0.77               | 0.54               | 0.63               | 0.72               | 0.72               | 0.82               | 0.57               | 0.67               | 0.76               | 0.76               | 0.87               |                    |
|                  |                    | PI            | 0.64           | 0.64               | 0.64               | 0.64               | 0.64               | 0.68               | 0.68               | 0.68               | 0.68               | 0.68               | 0.72               | 0.72               | 0.72               | 0.72               | 0.72               | 0.76               | 0.76               | 0.76               | 0.76               | 0.76               |                    |
|                  | -4°F<br>(-20.0°C)  | TC            | 10958          | 10973              | 10985              | 10985              | 11000              | 11618              | 11632              | 11644              | 11646              | 11660              | 12313              | 12329              | 12342              | 12345              | 12358              | 13054              | 13069              | 13083              | 13085              | 13101              |                    |
|                  |                    | S/T           | 0.48           | 0.57               | 0.64               | 0.64               | 0.73               | 0.51               | 0.60               | 0.68               | 0.68               | 0.78               | 0.54               | 0.64               | 0.72               | 0.72               | 0.82               | 0.57               | 0.67               | 0.77               | 0.77               | 0.87               |                    |
|                  |                    | PI            | 0.64           | 0.64               | 0.64               | 0.64               | 0.64               | 0.68               | 0.68               | 0.68               | 0.68               | 0.68               | 0.72               | 0.72               | 0.72               | 0.72               | 0.72               | 0.76               | 0.76               | 0.76               | 0.76               | 0.76               |                    |
|                  | 0°F<br>(-17.8°C)   | TC            | 10902          | 10917              | 10928              | 10929              | 10944              | 11559              | 11573              | 11584              | 11586              | 11600              | 12249              | 12265              | 12279              | 12281              | 12295              | 12988              | 13002              | 13016              | 13018              | 13034              |                    |
|                  |                    | S/T           | 0.48           | 0.57               | 0.64               | 0.64               | 0.73               | 0.51               | 0.60               | 0.68               | 0.68               | 0.78               | 0.54               | 0.64               | 0.72               | 0.72               | 0.83               | 0.58               | 0.68               | 0.77               | 0.77               | 0.88               |                    |
|                  |                    | PI            | 0.64           | 0.64               | 0.64               | 0.64               | 0.64               | 0.68               | 0.68               | 0.68               | 0.68               | 0.68               | 0.72               | 0.72               | 0.72               | 0.72               | 0.72               | 0.76               | 0.76               | 0.76               | 0.76               | 0.76               |                    |
|                  | 5°F<br>(-15.0°C)   | TC            | 10832          | 10846              | 10858              | 10858              | 10873              | 11484              | 11498              | 11509              | 11512              | 11525              | 12171              | 12186              | 12200              | 12202              | 12216              | 12904              | 12918              | 12932              | 12934              | 12950              |                    |
|                  |                    | S/T           | 0.49           | 0.57               | 0.65               | 0.65               | 0.74               | 0.51               | 0.60               | 0.69               | 0.69               | 0.78               | 0.55               | 0.64               | 0.73               | 0.73               | 0.83               | 0.58               | 0.68               | 0.77               | 0.77               | 0.88               |                    |
|                  |                    | PI            | 0.64           | 0.64               | 0.64               | 0.64               | 0.64               | 0.68               | 0.68               | 0.68               | 0.68               | 0.68               | 0.72               | 0.72               | 0.72               | 0.72               | 0.72               | 0.76               | 0.76               | 0.76               | 0.76               | 0.76               |                    |
|                  | 14°F<br>(-10.0°C)  | TC            | 11144          | 11159              | 11171              | 11171              | 11186              | 11815              | 11829              | 11841              | 11843              | 11857              | 12521              | 12538              | 12552              | 12554              | 12568              | 13276              | 13290              | 13305              | 13307              | 13323              |                    |
|                  |                    | S/T           | 0.49           | 0.57               | 0.65               | 0.65               | 0.74               | 0.52               | 0.61               | 0.69               | 0.69               | 0.78               | 0.55               | 0.64               | 0.73               | 0.73               | 0.83               | 0.58               | 0.68               | 0.77               | 0.77               | 0.88               |                    |
|                  |                    | PI            | 0.64           | 0.64               | 0.64               | 0.64               | 0.64               | 0.68               | 0.68               | 0.68               | 0.68               | 0.68               | 0.72               | 0.72               | 0.72               | 0.72               | 0.72               | 0.76               | 0.76               | 0.76               | 0.76               | 0.76               |                    |
|                  | 17°F<br>(-8.3°C)   | TC            | 11248          | 11263              | 11275              | 11276              | 11291              | 11926              | 11940              | 11952              | 11954              | 11968              | 12638              | 12655              | 12669              | 12671              | 12685              | 13400              | 13414              | 13429              | 13431              | 13448              |                    |
|                  |                    | S/T           | 0.49           | 0.57               | 0.65               | 0.65               | 0.74               | 0.52               | 0.61               | 0.69               | 0.69               | 0.79               | 0.55               | 0.64               | 0.73               | 0.73               | 0.83               | 0.58               | 0.68               | 0.78               | 0.78               | 0.88               |                    |
|                  |                    | PI            | 0.64           | 0.64               | 0.64               | 0.64               | 0.64               | 0.68               | 0.68               | 0.68               | 0.68               | 0.68               | 0.72               | 0.72               | 0.72               | 0.72               | 0.72               | 0.76               | 0.76               | 0.76               | 0.76               | 0.77               |                    |
|                  | 23°F<br>(-5.0°C)   | TC            | 11184          | 11199              | 11211              | 11212              | 11227              | 11858              | 11872              | 11884              | 11886              | 11901              | 12567              | 12583              | 12597              | 12599              | 12614              | 13324              | 13338              | 13353              | 13355              | 13372              |                    |
|                  |                    | S/T           | 0.49           | 0.58               | 0.65               | 0.65               | 0.75               | 0.52               | 0.61               | 0.69               | 0.69               | 0.79               | 0.55               | 0.65               | 0.74               | 0.74               | 0.84               | 0.58               | 0.69               | 0.78               | 0.78               | 0.89               |                    |
|                  |                    | PI            | 0.62           | 0.62               | 0.62               | 0.62               | 0.63               | 0.66               | 0.66               | 0.66               | 0.66               | 0.66               | 0.70               | 0.70               | 0.70               | 0.70               | 0.70               | 0.74               | 0.74               | 0.74               | 0.74               | 0.75               |                    |
|                  | 35°F<br>(1.7°C)    | TC            | 11057          | 11072              | 11084              | 11084              | 11099              | 11723              | 11737              | 11749              | 11751              | 11765              | 12424              | 12440              | 12454              | 12456              | 12470              | 13172              | 13187              | 13201              | 13203              | 13220              |                    |
|                  |                    | S/T           | 0.49           | 0.58               | 0.66               | 0.66               | 0.75               | 0.52               | 0.61               | 0.70               | 0.70               | 0.79               | 0.55               | 0.65               | 0.74               | 0.74               | 0.84               | 0.59               | 0.69               | 0.78               | 0.78               | 0.89               |                    |
|                  |                    | PI            | 0.59           | 0.59               | 0.59               | 0.59               | 0.59               | 0.62               | 0.63               | 0.63               | 0.63               | 0.63               | 0.66               | 0.66               | 0.66               | 0.66               | 0.66               | 0.70               | 0.70               | 0.70               | 0.70               | 0.70               |                    |
|                  | 41°F<br>(5.0°C)    | TC            | 10613          | 10628              | 10639              | 10639              | 10654              | 11253              | 11266              | 11277              | 11280              | 11293              | 11925              | 11941              | 11954              | 11956              | 11970              | 12644              | 12657              | 12671              | 12673              | 12689              |                    |
|                  |                    | S/T           | 0.49           | 0.58               | 0.66               | 0.66               | 0.75               | 0.52               | 0.61               | 0.70               | 0.70               | 0.80               | 0.56               | 0.65               | 0.74               | 0.74               | 0.84               | 0.59               | 0.69               | 0.78               | 0.78               | 0.89               |                    |
|                  |                    | PI            | 0.49           | 0.49               | 0.49               | 0.49               | 0.49               | 0.52               | 0.52               | 0.52               | 0.52               | 0.52               | 0.55               | 0.55               | 0.55               | 0.55               | 0.55               | 0.58               | 0.58               | 0.58               | 0.58               | 0.59               |                    |
|                  | 47°F<br>(8.3°C)    | TC            | 10169          | 10183              | 10194              | 10195              | 10208              | 10782              | 10795              | 10806              | 10808              | 10821              | 11426              | 11441              | 11454              | 11456              | 11469              | 12115              | 12128              | 12141              | 12143              | 12158              |                    |
|                  |                    | S/T           | 0.50           | 0.58               | 0.66               | 0.66               | 0.75               | 0.53               | 0.62               | 0.70               | 0.70               | 0.80               | 0.56               | 0.65               | 0.74               | 0.74               | 0.85               | 0.59               | 0.69               | 0.79               | 0.79               | 0.90               |                    |
|                  |                    | PI            | 0.39           | 0.39               | 0.39               | 0.39               | 0.39               | 0.41               | 0.41               | 0.41               | 0.41               | 0.41               | 0.44               | 0.44               | 0.44               | 0.44               | 0.44               | 0.46               | 0.46               | 0.47               | 0.47               | 0.47               |                    |
|                  | 50°F<br>(10.0°C)   | TC            | 10302          | 10316              | 10327              | 10327              | 10341              | 10923              | 10936              | 10947              | 10949              | 10962              | 11575              | 11591              | 11603              | 11606              | 11619              | 12273              | 12286              | 12300              | 12302              | 12317              |                    |
|                  |                    | S/T           | 0.50           | 0.58               | 0.66               | 0.66               | 0.76               | 0.53               | 0.62               | 0.70               | 0.70               | 0.80               | 0.56               | 0.66               | 0.75               | 0.75               | 0.85               | 0.59               | 0.70               | 0.79               | 0.79               | 0.90               |                    |
|                  |                    | PI            | 0.40           | 0.40               | 0.40               | 0.40               | 0.40               | 0.42               | 0.42               | 0.43               | 0.43               | 0.43               | 0.45               | 0.45               | 0.45               | 0.45               | 0.45               | 0.48               | 0.48               | 0.48               | 0.48               | 0.48               |                    |
|                  | 59°F<br>(15.0°C)   | TC            | 10700          | 10714              | 10726              | 10726              | 10741              | 11345              | 11358              | 11369              | 11372              | 11385              | 12022              | 12038              | 12052              | 12054              | 12067              | 12747              | 12761              | 12775              | 12777              | 12793              |                    |
|                  |                    | S/T           | 0.50           | 0.59               | 0.67               | 0.67               | 0.76               | 0.53               | 0.62               | 0.71               | 0.71               | 0.81               | 0.56               | 0.66               | 0.75               | 0.75               | 0.86               | 0.60               | 0.70               | 0.80               | 0.80               | 0.91               |                    |
|                  |                    | PI            | 0.43           | 0.43               | 0.43               | 0.43               | 0.43               | 0.46               | 0.46               | 0.46               | 0.46               | 0.46               | 0.49               | 0.49               | 0.49               | 0.49               | 0.49               | 0.51               | 0.52               | 0.52               | 0.52               | 0.52               |                    |
|                  | 68°F<br>(20.0°C)   | TC            | 11098          | 11113              | 11125              | 11125              | 11140              | 11766              | 11780              | 11792              | 11794              | 11808              | 12469              | 12486              | 12500              | 12502              | 12516              | 13221              | 13235              | 13250              | 13252              | 13268              |                    |
|                  |                    | S/T           | 0.51           | 0.60               | 0.69               | 0.69               | 0.78               | 0.54               | 0.64               | 0.73               | 0.73               | 0.83               | 0.58               | 0.68               | 0.77               | 0.77               | 0.88               | 0.61               | 0.72               | 0.82               | 0.82               | 0.93               |                    |
|                  |                    | PI            | 0.46           | 0.46               | 0.46               | 0.46               | 0.47               | 0.49               | 0.49               | 0.49               | 0.49               | 0.49               | 0.52               | 0.52               | 0.52               | 0.52               | 0.52               | 0.55               | 0.55               | 0.55               | 0.55               | 0.55               |                    |
|                  | 77°F<br>(25.0°C)   | TC            | 11496          | 11511              | 11523              | 11524              | 11539              | 12188              | 12203              | 12215              | 12217              | 12232              | 12916              | 12933              | 12948              | 12950              | 12965              | 13695              | 13710              | 13725              | 13727              | 13744              |                    |
|                  |                    | S/T           | 0.52           | 0.61               | 0.69               | 0.69               | 0.79               | 0.55               | 0.65               | 0.74               | 0.74               | 0.84               | 0.59               | 0.69               | 0.78               | 0.78               | 0.89               | 0.62               | 0.73               | 0.83               | 0.83               | 0.94               |                    |
|                  |                    | PI            | 0.50           | 0.50               | 0.50               | 0.50               | 0.50               | 0.53               | 0.53               | 0.53               | 0.53               | 0.53               | 0.56               | 0.56               | 0.56               | 0.56               | 0.56               | 0.59               | 0.59               | 0.59               | 0.59               | 0.59               |                    |
|                  | 82°F<br>(27.8°C)   | TC            | 11585          | 11600              | 11613              | 11613              | 11629              | 12283              | 12297              | 12309              | 12312              | 12327              | 13017              | 13034              | 13048              | 13050              | 13065              | 13801              | 13816              | 13831              | 13833              | 13850              |                    |
|                  |                    | S/T           | 0.53           | 0.62               | 0.70               | 0.70               | 0.80               | 0.56               | 0.66               | 0.75               | 0.75               | 0.85               | 0.59               | 0.70               | 0.79               | 0.79               | 0.90               | 0.63               | 0.74               | 0.84               | 0.84               | 0.95               |                    |
|                  |                    | PI            | 0.55           | 0.55               | 0.55               | 0.55               | 0.55               | 0.58               | 0.58               | 0.59               | 0.59               | 0.59               | 0.62               | 0.62               | 0.62               | 0.62               | 0.62               | 0.66               | 0.66               | 0.66               | 0.66               | 0.66               |                    |
|                  | 86°F<br>(30.0°C)   | TC            | 11490          | 11505              | 11517              | 11518              | 11533              | 12182              | 12196              | 12208              | 12211              | 12225              | 12910              | 12927              | 12941              | 12943              | 12958              | 13688              | 13703              | 13717              | 13720              | 13737              |                    |
|                  |                    | S/T           | 0.53           | 0.63               | 0.71               | 0.71               | 0.81               | 0.57               | 0.66               | 0.75               | 0.75               | 0.86               | 0.60               | 0.70               | 0.80               | 0.80               | 0.91               | 0.64               | 0.75               | 0.85               | 0.85               | 0.97               |                    |
|                  |                    | PI            | 0.64           | 0.64               | 0.65               | 0.65               | 0.65               | 0.68               |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |

**Table 24 — One-Way Cassette Heating Performance (6K)**

HEATING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 6 (Sheet 1 of 2)

| AIRFLOW (CFM) | OUTDOOR DB (°F) | TC: Total Heating Capacity (BTU/hr) |                  |                  |                    |                    | PI: Power Input (kW)     |                  |                  |                    |                    |
|---------------|-----------------|-------------------------------------|------------------|------------------|--------------------|--------------------|--------------------------|------------------|------------------|--------------------|--------------------|
|               |                 | Indoor Conditions (DB°F)            |                  |                  |                    |                    | Indoor Conditions (DB°F) |                  |                  |                    |                    |
|               |                 | 60.8°F<br>(16.0°C)                  | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) | 60.8°F<br>(16.0°C)       | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) |
| 235           | -22°F (-30.0°C) | 2830                                | 2774             | 2760             | 2979               | 2952               | 0.85                     | 0.86             | 0.86             | 0.86               | 0.86               |
|               | -13°F (-25.0°C) | 3805                                | 3729             | 3710             | 3851               | 3816               | 0.90                     | 0.91             | 0.91             | 0.92               | 0.92               |
|               | -4°F (-20.0°C)  | 4595                                | 4503             | 4480             | 4650               | 4608               | 0.97                     | 0.98             | 0.98             | 0.98               | 0.98               |
|               | 0°F (-17.8°C)   | 5137                                | 5035             | 5009             | 5199               | 5152               | 0.96                     | 0.97             | 0.97             | 0.97               | 0.98               |
|               | 5°F (-15.0°C)   | 5815                                | 5699             | 5671             | 5885               | 5832               | 0.95                     | 0.96             | 0.96             | 0.96               | 0.97               |
|               | 14°F (-10.0°C)  | 6569                                | 6438             | 6406             | 6648               | 6588               | 1.03                     | 1.04             | 1.04             | 1.04               | 1.05               |
|               | 17°F (-8.3°C)   | 6820                                | 6684             | 6651             | 6902               | 6840               | 1.06                     | 1.07             | 1.07             | 1.07               | 1.07               |
|               | 22°F (-5.6°C)   | 7135                                | 6992             | 6957             | 7220               | 7155               | 1.07                     | 1.08             | 1.08             | 1.08               | 1.09               |
|               | 27°F (-2.8°C)   | 7449                                | 7300             | 7263             | 7538               | 7470               | 1.08                     | 1.09             | 1.10             | 1.10               | 1.10               |
|               | 32°F (-0.0°C)   | 7763                                | 7608             | 7570             | 7856               | 7786               | 1.10                     | 1.11             | 1.11             | 1.11               | 1.12               |
|               | 35°F (1.7°C)    | 7951                                | 7792             | 7753             | 8047               | 7975               | 1.11                     | 1.11             | 1.12             | 1.12               | 1.12               |
|               | 37°F (2.8°C)    | 8182                                | 8018             | 7978             | 8280               | 8206               | 1.07                     | 1.08             | 1.08             | 1.09               | 1.09               |
|               | 42°F (5.6°C)    | 8757                                | 8582             | 8539             | 8863               | 8783               | 0.99                     | 1.00             | 1.00             | 1.01               | 1.01               |
|               | 44.6°F (7.0°C)  | 8988                                | 8808             | 8764             | 9096               | 9014               | 0.96                     | 0.97             | 0.97             | 0.97               | 0.98               |
|               | 47°F (8.3°C)    | 9333                                | 9147             | 9101             | 9445               | 9360               | 0.91                     | 0.92             | 0.92             | 0.92               | 0.93               |
|               | 52°F (11.1°C)   | 9657                                | 9464             | 9417             | 9773               | 9686               | 0.86                     | 0.87             | 0.87             | 0.87               | 0.88               |
|               | 57°F (13.9°C)   | 9982                                | 9782             | 9733             | 10102              | 10011              | 0.81                     | 0.82             | 0.82             | 0.82               | 0.82               |
|               | 59°F (15.0°C)   | 10111                               | 9909             | 9859             | 10233              | 10141              | 0.79                     | 0.80             | 0.80             | 0.80               | 0.80               |
|               | 62°F (16.7°C)   | 10306                               | 10100            | 10049            | 10430              | 10336              | 0.76                     | 0.77             | 0.77             | 0.77               | 0.77               |
|               | 64.4°F (18.0°C) | 10435                               | 10227            | 10176            | 10561              | 10466              | 0.74                     | 0.75             | 0.75             | 0.75               | 0.75               |
| 259           | -22°F (-30.0°C) | 3251                                | 3186             | 3170             | 3287               | 3257               | 0.86                     | 0.86             | 0.87             | 0.87               | 0.87               |
|               | -13°F (-25.0°C) | 4285                                | 4200             | 4179             | 4248               | 4210               | 0.91                     | 0.92             | 0.92             | 0.92               | 0.93               |
|               | -4°F (-20.0°C)  | 5175                                | 5071             | 5046             | 5130               | 5084               | 0.98                     | 0.99             | 0.99             | 0.99               | 0.99               |
|               | 0°F (-17.8°C)   | 5786                                | 5670             | 5642             | 5736               | 5684               | 0.97                     | 0.98             | 0.98             | 0.98               | 0.99               |
|               | 5°F (-15.0°C)   | 6549                                | 6418             | 6386             | 6493               | 6435               | 0.96                     | 0.97             | 0.97             | 0.97               | 0.98               |
|               | 14°F (-10.0°C)  | 7398                                | 7250             | 7214             | 7335               | 7269               | 1.04                     | 1.05             | 1.05             | 1.05               | 1.06               |
|               | 17°F (-8.3°C)   | 7681                                | 7528             | 7490             | 7615               | 7547               | 1.07                     | 1.08             | 1.08             | 1.08               | 1.09               |
|               | 22°F (-5.6°C)   | 8035                                | 7874             | 7835             | 7966               | 7894               | 1.08                     | 1.09             | 1.09             | 1.09               | 1.10               |
|               | 27°F (-2.8°C)   | 8389                                | 8221             | 8180             | 8317               | 8242               | 1.10                     | 1.10             | 1.11             | 1.11               | 1.11               |
|               | 32°F (-0.0°C)   | 8743                                | 8568             | 8525             | 8668               | 8590               | 1.11                     | 1.12             | 1.12             | 1.12               | 1.13               |
|               | 35°F (1.7°C)    | 8955                                | 8776             | 8732             | 8878               | 8798               | 1.12                     | 1.13             | 1.13             | 1.13               | 1.13               |
|               | 37°F (2.8°C)    | 9214                                | 9030             | 8985             | 9135               | 9053               | 1.08                     | 1.09             | 1.10             | 1.10               | 1.10               |
|               | 42°F (5.6°C)    | 9863                                | 9666             | 9617             | 9778               | 9690               | 1.00                     | 1.01             | 1.01             | 1.02               | 1.02               |
|               | 44.6°F (7.0°C)  | 10122                               | 9920             | 9870             | 10035              | 9945               | 0.97                     | 0.98             | 0.98             | 0.98               | 0.99               |
|               | 47°F (8.3°C)    | 10511                               | 10301            | 10249            | 10421              | 10327              | 0.92                     | 0.93             | 0.93             | 0.93               | 0.94               |
|               | 52°F (11.1°C)   | 10876                               | 10659            | 10605            | 10783              | 10686              | 0.87                     | 0.88             | 0.88             | 0.88               | 0.88               |
|               | 57°F (13.9°C)   | 11241                               | 11017            | 10961            | 11145              | 11044              | 0.82                     | 0.83             | 0.83             | 0.83               | 0.83               |
|               | 59°F (15.0°C)   | 11387                               | 11160            | 11104            | 11289              | 11188              | 0.80                     | 0.81             | 0.81             | 0.81               | 0.81               |
|               | 62°F (16.7°C)   | 11606                               | 11374            | 11317            | 11507              | 11403              | 0.77                     | 0.77             | 0.78             | 0.78               | 0.78               |
|               | 64.4°F (18.0°C) | 11752                               | 11517            | 11460            | 11651              | 11547              | 0.75                     | 0.75             | 0.76             | 0.76               | 0.76               |
| 294           | -22°F (-30.0°C) | 3733                                | 3659             | 3641             | 3626               | 3593               | 0.87                     | 0.87             | 0.87             | 0.88               | 0.88               |
|               | -13°F (-25.0°C) | 4826                                | 4730             | 4706             | 4687               | 4645               | 0.92                     | 0.93             | 0.93             | 0.93               | 0.94               |
|               | -4°F (-20.0°C)  | 5828                                | 5711             | 5683             | 5660               | 5609               | 0.99                     | 1.00             | 1.00             | 1.00               | 1.00               |
|               | 0°F (-17.8°C)   | 6516                                | 6386             | 6354             | 6328               | 6271               | 0.98                     | 0.99             | 0.99             | 0.99               | 1.00               |
|               | 5°F (-15.0°C)   | 7376                                | 7228             | 7192             | 7163               | 7099               | 0.97                     | 0.98             | 0.98             | 0.98               | 0.99               |
|               | 14°F (-10.0°C)  | 8332                                | 8165             | 8125             | 8092               | 8019               | 1.05                     | 1.06             | 1.06             | 1.06               | 1.07               |
|               | 17°F (-8.3°C)   | 8651                                | 8478             | 8435             | 8402               | 8326               | 1.08                     | 1.09             | 1.09             | 1.09               | 1.10               |
|               | 22°F (-5.6°C)   | 9049                                | 8868             | 8824             | 8789               | 8710               | 1.09                     | 1.10             | 1.10             | 1.11               | 1.11               |
|               | 27°F (-2.8°C)   | 9448                                | 9259             | 9212             | 9176               | 9093               | 1.11                     | 1.12             | 1.12             | 1.12               | 1.12               |
|               | 32°F (-0.0°C)   | 9846                                | 9649             | 9601             | 9563               | 9477               | 1.12                     | 1.13             | 1.13             | 1.13               | 1.14               |
|               | 35°F (1.7°C)    | 10085                               | 9884             | 9834             | 9795               | 9707               | 1.13                     | 1.14             | 1.14             | 1.14               | 1.15               |
|               | 37°F (2.8°C)    | 10377                               | 10170            | 10119            | 10078              | 9988               | 1.10                     | 1.10             | 1.11             | 1.11               | 1.11               |
|               | 42°F (5.6°C)    | 11108                               | 10885            | 10831            | 10788              | 10691              | 1.01                     | 1.02             | 1.02             | 1.03               | 1.03               |
|               | 44.6°F (7.0°C)  | 11400                               | 11172            | 11116            | 11071              | 10972              | 0.98                     | 0.99             | 0.99             | 0.99               | 1.00               |
|               | 47°F (8.3°C)    | 11838                               | 11601            | 11543            | 11497              | 11393              | 0.93                     | 0.94             | 0.94             | 0.94               | 0.95               |
|               | 52°F (11.1°C)   | 12249                               | 12004            | 11944            | 11896              | 11789              | 0.88                     | 0.89             | 0.89             | 0.89               | 0.89               |
|               | 57°F (13.9°C)   | 12660                               | 12407            | 12345            | 12296              | 12185              | 0.83                     | 0.83             | 0.84             | 0.84               | 0.84               |
|               | 59°F (15.0°C)   | 12825                               | 12568            | 12505            | 12455              | 12343              | 0.81                     | 0.81             | 0.82             | 0.82               | 0.82               |
|               | 62°F (16.7°C)   | 13071                               | 12810            | 12746            | 12695              | 12581              | 0.78                     | 0.78             | 0.78             | 0.79               | 0.79               |
|               | 64.4°F (18.0°C) | 13236                               | 12971            | 12906            | 12855              | 12739              | 0.76                     | 0.76             | 0.76             | 0.76               | 0.77               |

## HEATING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 6 (Sheet 2 of 2)

| AIRFLOW (CFM) | OUTDOOR DB (°F) | TC: Total Heating Capacity (BTU/hr) |                  |                  |                    |                    | PI: Power Input (kW)     |                  |                  |                    |                    |
|---------------|-----------------|-------------------------------------|------------------|------------------|--------------------|--------------------|--------------------------|------------------|------------------|--------------------|--------------------|
|               |                 | Indoor Conditions (DB°F)            |                  |                  |                    |                    | Indoor Conditions (DB°F) |                  |                  |                    |                    |
|               |                 | 60.8°F<br>(16.0°C)                  | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) | 60.8°F<br>(16.0°C)       | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) |
| 341           | -22°F (-30.0°C) | 4205                                | 4121             | 4100             | 4084               | 4047               | 0.87                     | 0.88             | 0.88             | 0.89               | 0.89               |
|               | -13°F (-25.0°C) | 5435                                | 5327             | 5300             | 5279               | 5231               | 0.93                     | 0.94             | 0.94             | 0.94               | 0.95               |
|               | -4°F (-20.0°C)  | 6563                                | 6432             | 6400             | 6374               | 6317               | 1.00                     | 1.01             | 1.01             | 1.01               | 1.01               |
|               | 0°F (-17.8°C)   | 7338                                | 7192             | 7156             | 7127               | 7063               | 0.99                     | 1.00             | 1.00             | 1.00               | 1.01               |
|               | 5°F (-15.0°C)   | 8307                                | 8141             | 8100             | 8068               | 7995               | 0.98                     | 0.99             | 0.99             | 0.99               | 1.00               |
|               | 14°F (-10.0°C)  | 9384                                | 9196             | 9150             | 9113               | 9031               | 1.06                     | 1.07             | 1.07             | 1.07               | 1.08               |
|               | 17°F (-8.3°C)   | 9743                                | 9548             | 9500             | 9462               | 9377               | 1.09                     | 1.10             | 1.10             | 1.10               | 1.11               |
|               | 22°F (-5.6°C)   | 10191                               | 9988             | 9938             | 9898               | 9809               | 1.10                     | 1.11             | 1.11             | 1.12               | 1.12               |
|               | 27°F (-2.8°C)   | 10640                               | 10427            | 10375            | 10334              | 10241              | 1.12                     | 1.13             | 1.13             | 1.13               | 1.14               |
|               | 32°F (-0.0°C)   | 11089                               | 10867            | 10813            | 10770              | 10673              | 1.13                     | 1.14             | 1.14             | 1.14               | 1.15               |
|               | 35°F (1.7°C)    | 11358                               | 11131            | 11075            | 11031              | 10932              | 1.14                     | 1.15             | 1.15             | 1.15               | 1.16               |
|               | 37°F (2.8°C)    | 11687                               | 11453            | 11396            | 11351              | 11248              | 1.11                     | 1.12             | 1.12             | 1.12               | 1.12               |
|               | 42°F (5.6°C)    | 12510                               | 12259            | 12198            | 12149              | 12040              | 1.02                     | 1.03             | 1.03             | 1.04               | 1.04               |
|               | 44.6°F (7.0°C)  | 12839                               | 12582            | 12519            | 12469              | 12357              | 0.99                     | 1.00             | 1.00             | 1.00               | 1.01               |
|               | 47°F (8.3°C)    | 13332                               | 13065            | 13000            | 12948              | 12831              | 0.94                     | 0.95             | 0.95             | 0.95               | 0.96               |
|               | 52°F (11.1°C)   | 13795                               | 13519            | 13452            | 13398              | 13277              | 0.89                     | 0.90             | 0.90             | 0.90               | 0.90               |
|               | 57°F (13.9°C)   | 14258                               | 13973            | 13903            | 13847              | 13723              | 0.84                     | 0.84             | 0.84             | 0.85               | 0.85               |
|               | 59°F (15.0°C)   | 14443                               | 14154            | 14084            | 14027              | 13901              | 0.82                     | 0.82             | 0.82             | 0.83               | 0.83               |
|               | 62°F (16.7°C)   | 14721                               | 14427            | 14355            | 14297              | 14168              | 0.78                     | 0.79             | 0.79             | 0.79               | 0.80               |
|               | 64.4°F (18.0°C) | 14906                               | 14608            | 14535            | 14477              | 14347              | 0.76                     | 0.77             | 0.77             | 0.77               | 0.78               |

**NOTE:** Values in grey are extrapolated based on tested performance.

**Table 25 — One-Way Cassette Cooling Performance (9K)**

COOLING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 9 (Sheet 1 of 4)

| AIRFLOW<br>(CFM) | OUTDOOR<br>DB(°F)  | ID WB<br>(°F) | 60.8°F(16.0°C) |          |          |          |          | 64.4°F(18.0°C) |          |          |          |          | 67°F(19.4°C) |          |          |          |          | 71.6°F(22.0°C) |          |          |          |          |          |
|------------------|--------------------|---------------|----------------|----------|----------|----------|----------|----------------|----------|----------|----------|----------|--------------|----------|----------|----------|----------|----------------|----------|----------|----------|----------|----------|
|                  |                    |               | ID DB<br>(°F)  | 73.4°F   | 77.0°F   | 80.0°F   | 80.6°F   | 84.2°F         | 73.4°F   | 77.0°F   | 80.0°F   | 80.6°F   | 84.2°F       | 73.4°F   | 77.0°F   | 80.0°F   | 80.6°F   | 84.2°F         | 73.4°F   | 77.0°F   | 80.0°F   | 80.6°F   | 84.2°F   |
|                  |                    |               |                | (23.0°C) | (25.0°C) | (26.7°C) | (27.0°C) | (29.0°C)       | (23.0°C) | (25.0°C) | (26.7°C) | (27.0°C) | (29.0°C)     | (23.0°C) | (25.0°C) | (26.7°C) | (27.0°C) | (29.0°C)       | (23.0°C) | (25.0°C) | (26.7°C) | (27.0°C) | (29.0°C) |
| 235              | -22°F<br>(-30.0°C) | TC            | 6215           | 6224     | 6231     | 6231     | 6239     | 6590           | 6598     | 6604     | 6606     | 6614     | 6984         | 6993     | 7001     | 7002     | 7010     | 7405           | 7413     | 7421     | 7422     | 7431     |          |
|                  |                    | S/T           | 0.33           | 0.39     | 0.44     | 0.44     | 0.51     | 0.35           | 0.41     | 0.47     | 0.47     | 0.54     | 0.37         | 0.44     | 0.50     | 0.50     | 0.57     | 0.40           | 0.47     | 0.53     | 0.53     | 0.60     |          |
|                  |                    | PI            | 0.24           | 0.24     | 0.24     | 0.24     | 0.24     | 0.26           | 0.26     | 0.26     | 0.26     | 0.26     | 0.27         | 0.27     | 0.27     | 0.27     | 0.27     | 0.29           | 0.29     | 0.29     | 0.29     | 0.29     |          |
|                  | -13°F<br>(-25.0°C) | TC            | 8122           | 8133     | 8142     | 8142     | 8153     | 8612           | 8622     | 8631     | 8632     | 8643     | 9126         | 9138     | 9148     | 9150     | 9160     | 9676           | 9687     | 9697     | 9699     | 9711     |          |
|                  |                    | S/T           | 0.34           | 0.39     | 0.45     | 0.45     | 0.51     | 0.36           | 0.42     | 0.47     | 0.47     | 0.54     | 0.38         | 0.44     | 0.50     | 0.50     | 0.57     | 0.40           | 0.47     | 0.53     | 0.53     | 0.61     |          |
|                  |                    | PI            | 0.17           | 0.17     | 0.17     | 0.17     | 0.17     | 0.18           | 0.18     | 0.18     | 0.18     | 0.19     | 0.20         | 0.20     | 0.20     | 0.20     | 0.20     | 0.21           | 0.21     | 0.21     | 0.21     | 0.21     |          |
|                  | -4°F<br>(-20.0°C)  | TC            | 7946           | 7957     | 7965     | 7965     | 7976     | 8425           | 8435     | 8443     | 8445     | 8455     | 8928         | 8940     | 8950     | 8951     | 8961     | 9466           | 9476     | 9487     | 9488     | 9500     |          |
|                  |                    | S/T           | 0.34           | 0.40     | 0.45     | 0.45     | 0.51     | 0.36           | 0.42     | 0.48     | 0.48     | 0.54     | 0.38         | 0.44     | 0.51     | 0.51     | 0.58     | 0.40           | 0.47     | 0.54     | 0.54     | 0.61     |          |
|                  |                    | PI            | 0.28           | 0.28     | 0.28     | 0.28     | 0.28     | 0.30           | 0.30     | 0.30     | 0.30     | 0.30     | 0.32         | 0.32     | 0.32     | 0.32     | 0.32     | 0.34           | 0.34     | 0.34     | 0.34     | 0.34     |          |
|                  | 0°F<br>(-17.8°C)   | TC            | 7867           | 7878     | 7886     | 7887     | 7897     | 8342           | 8351     | 8360     | 8361     | 8371     | 8840         | 8851     | 8861     | 8863     | 8873     | 9373           | 9383     | 9393     | 9394     | 9406     |          |
|                  |                    | S/T           | 0.34           | 0.40     | 0.45     | 0.45     | 0.51     | 0.36           | 0.42     | 0.48     | 0.48     | 0.55     | 0.38         | 0.45     | 0.51     | 0.51     | 0.58     | 0.40           | 0.47     | 0.54     | 0.54     | 0.61     |          |
|                  |                    | PI            | 0.29           | 0.29     | 0.29     | 0.29     | 0.29     | 0.31           | 0.31     | 0.31     | 0.31     | 0.31     | 0.33         | 0.33     | 0.33     | 0.33     | 0.33     | 0.35           | 0.35     | 0.35     | 0.35     | 0.35     |          |
|                  | 5°F<br>(-15.0°C)   | TC            | 7769           | 7780     | 7788     | 7789     | 7799     | 8238           | 8247     | 8255     | 8257     | 8267     | 8730         | 8741     | 8751     | 8752     | 8762     | 9256           | 9266     | 9276     | 9277     | 9289     |          |
|                  |                    | S/T           | 0.34           | 0.40     | 0.45     | 0.45     | 0.52     | 0.36           | 0.42     | 0.48     | 0.48     | 0.55     | 0.38         | 0.45     | 0.51     | 0.51     | 0.58     | 0.41           | 0.48     | 0.54     | 0.54     | 0.62     |          |
|                  |                    | PI            | 0.30           | 0.30     | 0.30     | 0.30     | 0.30     | 0.32           | 0.32     | 0.32     | 0.32     | 0.32     | 0.34         | 0.34     | 0.34     | 0.34     | 0.34     | 0.36           | 0.36     | 0.36     | 0.36     | 0.36     |          |
|                  | 14°F<br>(-10.0°C)  | TC            | 7463           | 7473     | 7481     | 7482     | 7492     | 7913           | 7922     | 7930     | 7932     | 7941     | 8386         | 8397     | 8406     | 8407     | 8417     | 8891           | 8901     | 8910     | 8912     | 8923     |          |
|                  |                    | S/T           | 0.34           | 0.40     | 0.45     | 0.45     | 0.52     | 0.36           | 0.42     | 0.48     | 0.48     | 0.55     | 0.38         | 0.45     | 0.51     | 0.51     | 0.58     | 0.41           | 0.48     | 0.54     | 0.54     | 0.62     |          |
|                  |                    | PI            | 0.32           | 0.32     | 0.32     | 0.32     | 0.32     | 0.34           | 0.34     | 0.34     | 0.34     | 0.34     | 0.36         | 0.36     | 0.36     | 0.36     | 0.36     | 0.38           | 0.38     | 0.39     | 0.39     | 0.39     |          |
|                  | 17°F<br>(-8.3°C)   | TC            | 7361           | 7371     | 7379     | 7379     | 7389     | 7805           | 7814     | 7822     | 7823     | 7832     | 8271         | 8282     | 8291     | 8292     | 8302     | 8769           | 8779     | 8788     | 8790     | 8801     |          |
|                  |                    | S/T           | 0.34           | 0.40     | 0.46     | 0.46     | 0.52     | 0.36           | 0.43     | 0.48     | 0.48     | 0.55     | 0.38         | 0.45     | 0.51     | 0.51     | 0.58     | 0.41           | 0.48     | 0.54     | 0.54     | 0.62     |          |
|                  |                    | PI            | 0.33           | 0.33     | 0.33     | 0.33     | 0.33     | 0.35           | 0.35     | 0.35     | 0.35     | 0.35     | 0.37         | 0.37     | 0.37     | 0.37     | 0.37     | 0.39           | 0.39     | 0.39     | 0.39     | 0.39     |          |
|                  | 23°F(-5.0°C)       | TC            | 7633           | 7643     | 7652     | 7652     | 7662     | 8093           | 8103     | 8111     | 8112     | 8122     | 8577         | 8588     | 8597     | 8599     | 8609     | 9093           | 9103     | 9113     | 9115     | 9126     |          |
|                  |                    | S/T           | 0.34           | 0.40     | 0.46     | 0.46     | 0.52     | 0.36           | 0.43     | 0.49     | 0.49     | 0.55     | 0.39         | 0.45     | 0.51     | 0.51     | 0.59     | 0.41           | 0.48     | 0.55     | 0.55     | 0.62     |          |
|                  |                    | PI            | 0.33           | 0.33     | 0.33     | 0.33     | 0.33     | 0.35           | 0.35     | 0.35     | 0.35     | 0.35     | 0.37         | 0.37     | 0.37     | 0.37     | 0.38     | 0.40           | 0.40     | 0.40     | 0.40     | 0.40     |          |
|                  | 35°F<br>(1.7°C)    | TC            | 8178           | 8189     | 8197     | 8198     | 8209     | 8670           | 8681     | 8689     | 8691     | 8701     | 9188         | 9200     | 9211     | 9212     | 9223     | 9742           | 9753     | 9763     | 9765     | 9777     |          |
|                  |                    | S/T           | 0.35           | 0.41     | 0.46     | 0.46     | 0.52     | 0.37           | 0.43     | 0.49     | 0.49     | 0.56     | 0.39         | 0.46     | 0.52     | 0.52     | 0.59     | 0.41           | 0.48     | 0.55     | 0.55     | 0.62     |          |
|                  |                    | PI            | 0.34           | 0.34     | 0.34     | 0.34     | 0.34     | 0.36           | 0.36     | 0.36     | 0.36     | 0.36     | 0.38         | 0.38     | 0.38     | 0.38     | 0.38     | 0.40           | 0.41     | 0.41     | 0.41     | 0.41     |          |
|                  | 41°F<br>(5.0°C)    | TC            | 8016           | 8027     | 8036     | 8036     | 8047     | 8499           | 8509     | 8518     | 8520     | 8530     | 9007         | 9019     | 9029     | 9031     | 9041     | 9550           | 9560     | 9571     | 9572     | 9584     |          |
|                  |                    | S/T           | 0.35           | 0.41     | 0.46     | 0.46     | 0.53     | 0.37           | 0.43     | 0.49     | 0.49     | 0.56     | 0.39         | 0.46     | 0.52     | 0.52     | 0.59     | 0.41           | 0.48     | 0.55     | 0.55     | 0.63     |          |
|                  |                    | PI            | 0.34           | 0.34     | 0.34     | 0.34     | 0.34     | 0.36           | 0.36     | 0.36     | 0.36     | 0.36     | 0.38         | 0.38     | 0.38     | 0.38     | 0.38     | 0.41           | 0.41     | 0.41     | 0.41     | 0.41     |          |
|                  | 47°F<br>(8.3°C)    | TC            | 7855           | 7866     | 7874     | 7875     | 7885     | 8329           | 8338     | 8347     | 8348     | 8358     | 8826         | 8838     | 8847     | 8849     | 8859     | 9358           | 9368     | 9378     | 9380     | 9391     |          |
|                  |                    | S/T           | 0.35           | 0.41     | 0.46     | 0.46     | 0.53     | 0.37           | 0.43     | 0.49     | 0.49     | 0.56     | 0.39         | 0.46     | 0.52     | 0.52     | 0.59     | 0.41           | 0.48     | 0.55     | 0.55     | 0.63     |          |
|                  |                    | PI            | 0.34           | 0.34     | 0.34     | 0.34     | 0.34     | 0.36           | 0.36     | 0.36     | 0.36     | 0.36     | 0.38         | 0.38     | 0.38     | 0.38     | 0.38     | 0.41           | 0.41     | 0.41     | 0.41     | 0.41     |          |
|                  | 50°F<br>(10.0°C)   | TC            | 7887           | 7897     | 7906     | 7906     | 7917     | 8362           | 8372     | 8380     | 8382     | 8392     | 8862         | 8873     | 8883     | 8885     | 8895     | 9396           | 9406     | 9416     | 9418     | 9429     |          |
|                  |                    | S/T           | 0.35           | 0.41     | 0.46     | 0.47     | 0.53     | 0.37           | 0.43     | 0.49     | 0.49     | 0.56     | 0.39         | 0.46     | 0.52     | 0.52     | 0.60     | 0.42           | 0.49     | 0.55     | 0.55     | 0.63     |          |
|                  |                    | PI            | 0.34           | 0.34     | 0.34     | 0.34     | 0.34     | 0.36           | 0.36     | 0.36     | 0.37     | 0.37     | 0.39         | 0.39     | 0.39     | 0.39     | 0.39     | 0.41           | 0.41     | 0.41     | 0.41     | 0.41     |          |
|                  | 59°F<br>(15.0°C)   | TC            | 7982           | 7993     | 8001     | 8002     | 8012     | 8463           | 8473     | 8481     | 8483     | 8493     | 8969         | 8980     | 8990     | 8992     | 9002     | 9509           | 9519     | 9530     | 9531     | 9543     |          |
|                  |                    | S/T           | 0.35           | 0.41     | 0.47     | 0.47     | 0.53     | 0.37           | 0.44     | 0.50     | 0.50     | 0.56     | 0.39         | 0.46     | 0.53     | 0.53     | 0.60     | 0.42           | 0.49     | 0.56     | 0.56     | 0.63     |          |
|                  |                    | PI            | 0.35           | 0.35     | 0.36     | 0.36     | 0.36     | 0.38           | 0.38     | 0.38     | 0.38     | 0.38     | 0.40         | 0.40     | 0.40     | 0.40     | 0.40     | 0.42           | 0.42     | 0.42     | 0.42     | 0.42     |          |
|                  | 68°F<br>(20.0°C)   | TC            | 8077           | 8088     | 8097     | 8097     | 8108     | 8564           | 8574     | 8582     | 8584     | 8594     | 9075         | 9087     | 9097     | 9099     | 9109     | 9622           | 9633     | 9643     | 9645     | 9657     |          |
|                  |                    | S/T           | 0.36           | 0.42     | 0.48     | 0.48     | 0.55     | 0.38           | 0.45     | 0.51     | 0.51     | 0.58     | 0.40         | 0.47     | 0.54     | 0.54     | 0.61     | 0.43           | 0.50     | 0.57     | 0.57     | 0.65     |          |
|                  |                    | PI            | 0.36           | 0.37     | 0.37     | 0.37     | 0.37     | 0.39           | 0.39     | 0.39     | 0.39     | 0.39     | 0.41         | 0.41     | 0.41     | 0.41     | 0.41     | 0.43           | 0.44     | 0.44     | 0.44     | 0.44     |          |
|                  | 77°F<br>(25.0°C)   | TC            | 8172           | 8183     | 8192     | 8192     | 8203     | 8665           | 8675     | 8683     | 8685     | 8695     | 9182         | 9194     | 9204     | 9206     | 9216     | 9736           | 9746     | 9757     | 9758     | 9770     |          |
|                  |                    | S/T           | 0.36           | 0.43     | 0.49     | 0.49     | 0.55     | 0.39           | 0.45     | 0.52     | 0.52     | 0.59     | 0.41         | 0.48     | 0.55     | 0.55     | 0.62     | 0.43           | 0.51     | 0.58     | 0.58     | 0.66     |          |
|                  |                    | PI            | 0.38           | 0.38     | 0.38     | 0.38     | 0.38     | 0.40           | 0.40     | 0.40     | 0.40     | 0.40     | 0.42         | 0.42     | 0.42     | 0.42     | 0.42     | 0.45           | 0.45     | 0.45     | 0.45     | 0.45     |          |
|                  | 82°F<br>(27.8°C)   | TC            | 8180           | 8191     | 8200     | 8200     | 8211     | 8673           | 8683     | 8692     | 8694     | 8704     | 9191         | 9203     | 9214     | 9215     | 9226     | 9745           | 9756     | 9766     | 9768     | 9780     |          |
|                  |                    | S/T           | 0.37           | 0.43     | 0.49     | 0.49     | 0.56     | 0.39           | 0.46     | 0.52     | 0.52     | 0.59     | 0.41         | 0.49     | 0.55     | 0.55     | 0.63     | 0.44           | 0.52     | 0.59     | 0.59     | 0.67     |          |
|                  |                    | PI            | 0.42           | 0.42     | 0.42     | 0.42     | 0.42     | 0.45           | 0.45     | 0.45     | 0.45     | 0.45     | 0.47         | 0.48     | 0.48     | 0.48     | 0.48     | 0.50           | 0.50     | 0.50     | 0.50     | 0.51     |          |
|                  | 86°F<br>(30.0°C)   | TC            | 8130           | 8141     | 8150     | 8150     | 8161     | 8620           | 8630     | 8639     | 8641     | 8651     | 9135         | 9147     | 9157     | 9159     | 9169     | 9686           | 9696     | 9707     | 9708     | 9720     |          |
|                  |                    | S/T           | 0.37           | 0.44     | 0.50     | 0.50     | 0.57     | 0.40           | 0.46     | 0.53     | 0.53     | 0.60     | 0.42         | 0.49     | 0.56     | 0.56     | 0.64     | 0.45           | 0.52     | 0.59     | 0.59     | 0.68     |          |
|                  |                    | PI            | 0.51           | 0.51     | 0.51     | 0.51     | 0.51     | 0.54           | 0.54     | 0.54     | 0.54     | 0.55     | 0.58         | 0.58     | 0.58     | 0.58     | 0.58     | 0.61           | 0.61     | 0.61     | 0.61     | 0.61     |          |
|                  | 95°F<br>(35.0°C)   | TC            | 8018           | 8029     | 8037     | 8038     | 8049     | 8501           | 8511     | 8520     | 8521     | 8531     | 9009         | 9021     | 9031     | 9033     | 9043     | 9552           | 9562     | 9573     | 9574     | 9586     |          |
|                  |                    | S/T           | 0.37           | 0.44     | 0.50     | 0.50     | 0.57     | 0.40           | 0.46     | 0.53     | 0.53     | 0.60     | 0.42         | 0.49     | 0.56     |          |          |                |          |          |          |          |          |

## COOLING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 9 (Sheet 2 of 4)

| AIRFLOW<br>(CFM) | OUTDOOR<br>DB(°F)  | ID WB<br>(°F) | 60.8°F(16.0°C) |          |          |          |          | 64.4°F(18.0°C) |          |          |          |          | 67°F(19.4°C) |          |          |          |          | 71.6°F(22.0°C) |          |          |          |          |          |
|------------------|--------------------|---------------|----------------|----------|----------|----------|----------|----------------|----------|----------|----------|----------|--------------|----------|----------|----------|----------|----------------|----------|----------|----------|----------|----------|
|                  |                    |               | ID DB          | 73.4°F   | 77.0°F   | 80.0°F   | 80.6°F   | 84.2°F         | 73.4°F   | 77.0°F   | 80.0°F   | 80.6°F   | 84.2°F       | 73.4°F   | 77.0°F   | 80.0°F   | 80.6°F   | 84.2°F         | 73.4°F   | 77.0°F   | 80.0°F   | 80.6°F   | 84.2°F   |
|                  |                    |               | (°F)           | (23.0°C) | (25.0°C) | (26.7°C) | (27.0°C) | (29.0°C)       | (23.0°C) | (25.0°C) | (26.7°C) | (27.0°C) | (29.0°C)     | (23.0°C) | (25.0°C) | (26.7°C) | (27.0°C) | (29.0°C)       | (23.0°C) | (25.0°C) | (26.7°C) | (27.0°C) | (29.0°C) |
| 259              | -22°F<br>(-30.0°C) | TC            | 7000           | 7009     | 7017     | 7017     | 7027     | 7422           | 7431     | 7438     | 7439     | 7448     | 7865         | 7875     | 7884     | 7886     | 7894     | 8339           | 8348     | 8357     | 8359     | 8369     |          |
|                  |                    | S/T           | 0.38           | 0.44     | 0.50     | 0.50     | 0.57     | 0.40           | 0.47     | 0.53     | 0.53     | 0.60     | 0.42         | 0.49     | 0.56     | 0.56     | 0.64     | 0.45           | 0.52     | 0.60     | 0.60     | 0.68     |          |
|                  |                    | PI            | 0.27           | 0.27     | 0.27     | 0.27     | 0.27     | 0.29           | 0.29     | 0.29     | 0.29     | 0.29     | 0.31         | 0.31     | 0.31     | 0.31     | 0.31     | 0.32           | 0.32     | 0.33     | 0.33     | 0.33     |          |
|                  | -13°F<br>(-25.0°C) | TC            | 9148           | 9160     | 9170     | 9170     | 9182     | 9699           | 9710     | 9720     | 9722     | 9733     | 10278        | 10292    | 10303    | 10305    | 10316    | 10898          | 10909    | 10921    | 10923    | 10937    |          |
|                  |                    | S/T           | 0.38           | 0.44     | 0.50     | 0.50     | 0.57     | 0.40           | 0.47     | 0.53     | 0.53     | 0.61     | 0.42         | 0.50     | 0.57     | 0.57     | 0.65     | 0.45           | 0.53     | 0.60     | 0.60     | 0.68     |          |
|                  |                    | PI            | 0.20           | 0.20     | 0.20     | 0.20     | 0.20     | 0.21           | 0.21     | 0.21     | 0.21     | 0.21     | 0.22         | 0.22     | 0.22     | 0.22     | 0.22     | 0.23           | 0.23     | 0.23     | 0.23     | 0.23     |          |
|                  | -4°F<br>(-20.0°C)  | TC            | 8949           | 8961     | 8970     | 8971     | 8983     | 9488           | 9499     | 9509     | 9511     | 9522     | 10055        | 10068    | 10079    | 10081    | 10092    | 10661          | 10672    | 10684    | 10686    | 10699    |          |
|                  |                    | S/T           | 0.38           | 0.45     | 0.51     | 0.51     | 0.58     | 0.40           | 0.47     | 0.54     | 0.54     | 0.61     | 0.43         | 0.50     | 0.57     | 0.57     | 0.65     | 0.45           | 0.53     | 0.60     | 0.60     | 0.69     |          |
|                  |                    | PI            | 0.32           | 0.32     | 0.32     | 0.32     | 0.32     | 0.34           | 0.34     | 0.34     | 0.34     | 0.34     | 0.36         | 0.36     | 0.36     | 0.36     | 0.36     | 0.38           | 0.38     | 0.38     | 0.38     | 0.38     |          |
|                  | 0°F<br>(-17.8°C)   | TC            | 8860           | 8872     | 8882     | 8882     | 8894     | 9394           | 9405     | 9415     | 9417     | 9428     | 9956         | 9969     | 9980     | 9982     | 9993     | 10555          | 10567    | 10578    | 10580    | 10593    |          |
|                  |                    | S/T           | 0.38           | 0.45     | 0.51     | 0.51     | 0.58     | 0.40           | 0.47     | 0.54     | 0.54     | 0.61     | 0.43         | 0.50     | 0.57     | 0.57     | 0.65     | 0.45           | 0.53     | 0.61     | 0.61     | 0.69     |          |
|                  |                    | PI            | 0.33           | 0.33     | 0.33     | 0.33     | 0.33     | 0.35           | 0.35     | 0.35     | 0.35     | 0.35     | 0.37         | 0.37     | 0.37     | 0.37     | 0.37     | 0.39           | 0.39     | 0.39     | 0.39     | 0.39     |          |
|                  | 5°F<br>(-15.0°C)   | TC            | 8750           | 8762     | 8771     | 8772     | 8783     | 9277           | 9288     | 9297     | 9299     | 9310     | 9832         | 9844     | 9855     | 9857     | 9868     | 10424          | 10435    | 10447    | 10448    | 10461    |          |
|                  |                    | S/T           | 0.38           | 0.45     | 0.51     | 0.51     | 0.58     | 0.41           | 0.48     | 0.54     | 0.54     | 0.62     | 0.43         | 0.50     | 0.57     | 0.57     | 0.65     | 0.46           | 0.54     | 0.61     | 0.61     | 0.69     |          |
|                  |                    | PI            | 0.34           | 0.34     | 0.34     | 0.34     | 0.34     | 0.36           | 0.36     | 0.36     | 0.36     | 0.36     | 0.38         | 0.38     | 0.38     | 0.38     | 0.38     | 0.41           | 0.41     | 0.41     | 0.41     | 0.41     |          |
|                  | 14°F<br>(-10.0°C)  | TC            | 8405           | 8416     | 8425     | 8426     | 8437     | 8912           | 8922     | 8931     | 8933     | 8943     | 9444         | 9456     | 9467     | 9469     | 9479     | 10013          | 10024    | 10035    | 10036    | 10049    |          |
|                  |                    | S/T           | 0.38           | 0.45     | 0.51     | 0.51     | 0.58     | 0.41           | 0.48     | 0.54     | 0.54     | 0.62     | 0.43         | 0.51     | 0.57     | 0.58     | 0.66     | 0.46           | 0.54     | 0.61     | 0.61     | 0.69     |          |
|                  |                    | PI            | 0.36           | 0.36     | 0.36     | 0.36     | 0.36     | 0.39           | 0.39     | 0.39     | 0.39     | 0.39     | 0.41         | 0.41     | 0.41     | 0.41     | 0.41     | 0.43           | 0.43     | 0.43     | 0.43     | 0.43     |          |
|                  | 17°F<br>(-8.3°C)   | TC            | 8290           | 8301     | 8310     | 8311     | 8322     | 8790           | 8800     | 8809     | 8811     | 8821     | 9315         | 9327     | 9337     | 9339     | 9349     | 9876           | 9887     | 9898     | 9899     | 9911     |          |
|                  |                    | S/T           | 0.38           | 0.45     | 0.51     | 0.51     | 0.59     | 0.41           | 0.48     | 0.54     | 0.54     | 0.62     | 0.43         | 0.51     | 0.58     | 0.58     | 0.66     | 0.46           | 0.54     | 0.61     | 0.61     | 0.70     |          |
|                  |                    | PI            | 0.37           | 0.37     | 0.37     | 0.37     | 0.37     | 0.39           | 0.39     | 0.39     | 0.39     | 0.39     | 0.42         | 0.42     | 0.42     | 0.42     | 0.42     | 0.44           | 0.44     | 0.44     | 0.44     | 0.44     |          |
|                  | 23°F<br>(-5.0°C)   | TC            | 8597           | 8608     | 8617     | 8618     | 8629     | 9115           | 9125     | 9134     | 9136     | 9147     | 9659         | 9672     | 9683     | 9684     | 9695     | 10241          | 10252    | 10263    | 10265    | 10278    |          |
|                  |                    | S/T           | 0.39           | 0.45     | 0.52     | 0.52     | 0.59     | 0.41           | 0.48     | 0.55     | 0.55     | 0.62     | 0.43         | 0.51     | 0.58     | 0.58     | 0.66     | 0.46           | 0.54     | 0.61     | 0.61     | 0.70     |          |
|                  |                    | PI            | 0.37           | 0.38     | 0.38     | 0.38     | 0.38     | 0.40           | 0.40     | 0.40     | 0.40     | 0.40     | 0.42         | 0.42     | 0.42     | 0.42     | 0.42     | 0.45           | 0.45     | 0.45     | 0.45     | 0.45     |          |
|                  | 35°F<br>(1.7°C)    | TC            | 9210           | 9222     | 9232     | 9232     | 9245     | 9765           | 9776     | 9786     | 9788     | 9799     | 10348        | 10361    | 10373    | 10375    | 10387    | 10972          | 10983    | 10995    | 10997    | 11011    |          |
|                  |                    | S/T           | 0.39           | 0.46     | 0.52     | 0.52     | 0.59     | 0.41           | 0.48     | 0.55     | 0.55     | 0.63     | 0.44         | 0.51     | 0.58     | 0.58     | 0.66     | 0.46           | 0.54     | 0.62     | 0.62     | 0.70     |          |
|                  |                    | PI            | 0.38           | 0.38     | 0.38     | 0.38     | 0.38     | 0.41           | 0.41     | 0.41     | 0.41     | 0.41     | 0.43         | 0.43     | 0.43     | 0.43     | 0.43     | 0.46           | 0.46     | 0.46     | 0.46     | 0.46     |          |
|                  | 41°F<br>(5.0°C)    | TC            | 9028           | 9040     | 9050     | 9050     | 9063     | 9572           | 9584     | 9593     | 9595     | 9606     | 10144        | 10157    | 10169    | 10170    | 10182    | 10755          | 10767    | 10779    | 10780    | 10794    |          |
|                  |                    | S/T           | 0.39           | 0.46     | 0.52     | 0.52     | 0.59     | 0.41           | 0.48     | 0.55     | 0.55     | 0.63     | 0.44         | 0.51     | 0.58     | 0.58     | 0.67     | 0.46           | 0.54     | 0.62     | 0.62     | 0.71     |          |
|                  |                    | PI            | 0.38           | 0.38     | 0.38     | 0.38     | 0.38     | 0.41           | 0.41     | 0.41     | 0.41     | 0.41     | 0.43         | 0.43     | 0.43     | 0.43     | 0.43     | 0.46           | 0.46     | 0.46     | 0.46     | 0.46     |          |
|                  | 47°F<br>(8.3°C)    | TC            | 8847           | 8858     | 8868     | 8868     | 8880     | 9380           | 9391     | 9400     | 9402     | 9413     | 9940         | 9953     | 9964     | 9966     | 9977     | 10539          | 10550    | 10562    | 10564    | 10577    |          |
|                  |                    | S/T           | 0.39           | 0.46     | 0.52     | 0.52     | 0.59     | 0.41           | 0.49     | 0.55     | 0.55     | 0.63     | 0.44         | 0.52     | 0.59     | 0.59     | 0.67     | 0.47           | 0.55     | 0.62     | 0.62     | 0.71     |          |
|                  |                    | PI            | 0.38           | 0.38     | 0.38     | 0.38     | 0.38     | 0.41           | 0.41     | 0.41     | 0.41     | 0.41     | 0.43         | 0.43     | 0.43     | 0.43     | 0.43     | 0.46           | 0.46     | 0.46     | 0.46     | 0.46     |          |
|                  | 50°F<br>(10.0°C)   | TC            | 8882           | 8894     | 8904     | 8904     | 8916     | 9418           | 9429     | 9438     | 9440     | 9451     | 9980         | 9993     | 10004    | 10006    | 10017    | 10582          | 10593    | 10605    | 10606    | 10619    |          |
|                  |                    | S/T           | 0.39           | 0.46     | 0.52     | 0.52     | 0.60     | 0.42           | 0.49     | 0.56     | 0.56     | 0.63     | 0.44         | 0.52     | 0.59     | 0.59     | 0.67     | 0.47           | 0.55     | 0.62     | 0.62     | 0.71     |          |
|                  |                    | PI            | 0.39           | 0.39     | 0.39     | 0.39     | 0.39     | 0.41           | 0.41     | 0.41     | 0.41     | 0.41     | 0.43         | 0.44     | 0.44     | 0.44     | 0.44     | 0.46           | 0.46     | 0.46     | 0.46     | 0.46     |          |
|                  | 59°F<br>(15.0°C)   | TC            | 8989           | 9001     | 9011     | 9012     | 9024     | 9531           | 9542     | 9552     | 9554     | 9565     | 10101        | 10114    | 10125    | 10127    | 10138    | 10709          | 10721    | 10732    | 10734    | 10747    |          |
|                  |                    | S/T           | 0.39           | 0.46     | 0.53     | 0.53     | 0.60     | 0.42           | 0.49     | 0.56     | 0.56     | 0.64     | 0.44         | 0.52     | 0.59     | 0.59     | 0.67     | 0.47           | 0.55     | 0.63     | 0.63     | 0.71     |          |
|                  |                    | PI            | 0.40           | 0.40     | 0.40     | 0.40     | 0.40     | 0.42           | 0.42     | 0.42     | 0.42     | 0.42     | 0.45         | 0.45     | 0.45     | 0.45     | 0.45     | 0.48           | 0.48     | 0.48     | 0.48     | 0.48     |          |
|                  | 68°F<br>(20.0°C)   | TC            | 9096           | 9109     | 9118     | 9119     | 9131     | 9645           | 9656     | 9666     | 9668     | 9679     | 10221        | 10234    | 10246    | 10247    | 10259    | 10837          | 10848    | 10860    | 10862    | 10875    |          |
|                  |                    | S/T           | 0.41           | 0.48     | 0.54     | 0.54     | 0.62     | 0.43           | 0.50     | 0.57     | 0.57     | 0.65     | 0.46         | 0.53     | 0.61     | 0.61     | 0.69     | 0.48           | 0.57     | 0.64     | 0.64     | 0.73     |          |
|                  |                    | PI            | 0.41           | 0.41     | 0.41     | 0.41     | 0.41     | 0.44           | 0.44     | 0.44     | 0.44     | 0.44     | 0.46         | 0.46     | 0.46     | 0.46     | 0.46     | 0.49           | 0.49     | 0.49     | 0.49     | 0.49     |          |
|                  | 77°F<br>(25.0°C)   | TC            | 9204           | 9216     | 9226     | 9226     | 9239     | 9758           | 9770     | 9779     | 9781     | 9793     | 10341        | 10355    | 10366    | 10368    | 10380    | 10964          | 10976    | 10988    | 10990    | 11004    |          |
|                  |                    | S/T           | 0.41           | 0.48     | 0.55     | 0.55     | 0.62     | 0.44           | 0.51     | 0.58     | 0.58     | 0.66     | 0.46         | 0.54     | 0.61     | 0.62     | 0.70     | 0.49           | 0.57     | 0.65     | 0.65     | 0.74     |          |
|                  |                    | PI            | 0.42           | 0.42     | 0.42     | 0.42     | 0.42     | 0.45           | 0.45     | 0.45     | 0.45     | 0.45     | 0.48         | 0.48     | 0.48     | 0.48     | 0.48     | 0.50           | 0.50     | 0.50     | 0.51     | 0.51     |          |
|                  | 82°F<br>(27.8°C)   | TC            | 9213           | 9225     | 9235     | 9235     | 9248     | 9768           | 9779     | 9789     | 9791     | 9803     | 10351        | 10365    | 10376    | 10378    | 10390    | 10975          | 10987    | 10999    | 11001    | 11014    |          |
|                  |                    | S/T           | 0.42           | 0.49     | 0.55     | 0.55     | 0.63     | 0.44           | 0.52     | 0.59     | 0.59     | 0.67     | 0.47         | 0.55     | 0.62     | 0.62     | 0.71     | 0.50           | 0.58     | 0.66     | 0.66     | 0.75     |          |
|                  |                    | PI            | 0.48           | 0.48     | 0.48     | 0.48     | 0.48     | 0.50           | 0.51     | 0.51     | 0.51     | 0.51     | 0.53         | 0.54     | 0.54     | 0.54     | 0.54     | 0.57           | 0.57     | 0.57     | 0.57     | 0.57     |          |
|                  | 86°F<br>(30.0°C)   | TC            | 9156           | 9169     | 9179     | 9179     | 9191     | 9708           | 9720     | 9729     | 9731     | 9743     | 10288        | 10302    | 10313    | 10315    | 10327    | 10908          | 10920    | 10932    | 10934    | 10947    |          |
|                  |                    | S/T           | 0.42           | 0.49     | 0.56     | 0.56     | 0.64     | 0.45           | 0.52     | 0.60     | 0.60     | 0.68     | 0.47         | 0.56     | 0.63     | 0.63     | 0.72     | 0.50           | 0.59     | 0.67     | 0.67     | 0.76     |          |
|                  |                    | PI            | 0.58           | 0.58     | 0.58     | 0.58     | 0.58     | 0.61           | 0.61     | 0.61     | 0.61     | 0.61     | 0.65         | 0.65     | 0.65     | 0.65     | 0.65     | 0.69           | 0.69     | 0.69     | 0.69     | 0.69     |          |
|                  | 95°F<br>(35.0°C)   | TC            | 9030           | 9042     | 9052     | 9052     | 9064     | 9574           | 9585     | 9595     | 9597     | 9608     | 10146        | 10159    | 10171    | 10173    | 10184    | 10757          | 10769    | 10781    | 10783    | 10796    |          |
|                  |                    | S/T           | 0.42           | 0.49     | 0.56     | 0.56     | 0.64     | 0.45           | 0.52     | 0.60     | 0.60     | 0.68     | 0.47         |          |          |          |          |                |          |          |          |          |          |

COOLING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 9 (Sheet 3 of 4)

| AIRFLOW<br>(CFM) | OUTDOOR<br>DB(°F)  | ID WB<br>(°F) | 60.8°F(16.0°C)     |                    |                    |                    |                    | 64.4°F(18.0°C)     |                    |                    |                    |                    | 67°F(19.4°C)       |                    |                    |                    |                    | 71.6°F(22.0°C)     |                    |                    |                    |                    |
|------------------|--------------------|---------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                  |                    |               | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) |
|                  |                    |               |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |
| 294              | -22°F<br>(-30.0°C) | TC            | 7883               | 7894               | 7903               | 7903               | 7914               | 8359               | 8368               | 8377               | 8378               | 8388               | 8858               | 8869               | 8879               | 8881               | 8891               | 9392               | 9402               | 9412               | 9414               | 9425               |
|                  |                    | S/T           | 0.42               | 0.50               | 0.56               | 0.56               | 0.64               | 0.45               | 0.53               | 0.60               | 0.60               | 0.68               | 0.47               | 0.56               | 0.63               | 0.63               | 0.72               | 0.50               | 0.59               | 0.67               | 0.67               | 0.77               |
|                  |                    | PI            | 0.31               | 0.31               | 0.31               | 0.31               | 0.31               | 0.33               | 0.33               | 0.33               | 0.33               | 0.33               | 0.34               | 0.35               | 0.35               | 0.35               | 0.35               | 0.37               | 0.37               | 0.37               | 0.37               | 0.37               |
|                  | -13°F<br>(-25.0°C) | TC            | 10302              | 10316              | 10327              | 10327              | 10341              | 10923              | 10936              | 10947              | 10949              | 10962              | 11575              | 11591              | 11603              | 11606              | 11619              | 12273              | 12286              | 12300              | 12302              | 12317              |
|                  |                    | S/T           | 0.43               | 0.50               | 0.57               | 0.57               | 0.65               | 0.45               | 0.53               | 0.60               | 0.60               | 0.69               | 0.48               | 0.56               | 0.64               | 0.64               | 0.73               | 0.51               | 0.59               | 0.68               | 0.68               | 0.77               |
|                  |                    | PI            | 0.22               | 0.22               | 0.22               | 0.22               | 0.22               | 0.23               | 0.23               | 0.23               | 0.23               | 0.23               | 0.25               | 0.25               | 0.25               | 0.25               | 0.25               | 0.26               | 0.26               | 0.26               | 0.26               | 0.26               |
|                  | -4°F<br>(-20.0°C)  | TC            | 10078              | 10092              | 10103              | 10103              | 10117              | 10686              | 10698              | 10709              | 10711              | 10724              | 11324              | 11339              | 11351              | 11353              | 11366              | 12006              | 12019              | 12032              | 12034              | 12049              |
|                  |                    | S/T           | 0.43               | 0.50               | 0.57               | 0.57               | 0.65               | 0.45               | 0.53               | 0.60               | 0.60               | 0.69               | 0.48               | 0.56               | 0.64               | 0.64               | 0.73               | 0.51               | 0.60               | 0.68               | 0.68               | 0.77               |
|                  |                    | PI            | 0.36               | 0.36               | 0.36               | 0.36               | 0.36               | 0.38               | 0.38               | 0.38               | 0.38               | 0.38               | 0.40               | 0.40               | 0.40               | 0.40               | 0.40               | 0.43               | 0.43               | 0.43               | 0.43               | 0.43               |
|                  | 0°F<br>(-17.8°C)   | TC            | 9979               | 9992               | 10003              | 10003              | 10017              | 10580              | 10593              | 10603              | 10605              | 10618              | 11212              | 11227              | 11239              | 11241              | 11254              | 11888              | 11901              | 11914              | 11915              | 11930              |
|                  |                    | S/T           | 0.43               | 0.50               | 0.57               | 0.57               | 0.65               | 0.45               | 0.53               | 0.61               | 0.61               | 0.69               | 0.48               | 0.57               | 0.64               | 0.64               | 0.73               | 0.51               | 0.60               | 0.68               | 0.68               | 0.78               |
|                  |                    | PI            | 0.37               | 0.37               | 0.37               | 0.37               | 0.37               | 0.39               | 0.39               | 0.39               | 0.39               | 0.39               | 0.41               | 0.42               | 0.42               | 0.42               | 0.42               | 0.44               | 0.44               | 0.44               | 0.44               | 0.44               |
|                  | 5°F<br>(-15.0°C)   | TC            | 9854               | 9868               | 9878               | 9879               | 9892               | 10448              | 10461              | 10471              | 10473              | 10485              | 11072              | 11087              | 11099              | 11101              | 11114              | 11740              | 11752              | 11765              | 11767              | 11782              |
|                  |                    | S/T           | 0.43               | 0.51               | 0.58               | 0.58               | 0.66               | 0.46               | 0.54               | 0.61               | 0.61               | 0.69               | 0.48               | 0.57               | 0.65               | 0.65               | 0.74               | 0.51               | 0.60               | 0.68               | 0.69               | 0.78               |
|                  |                    | PI            | 0.38               | 0.38               | 0.38               | 0.38               | 0.39               | 0.41               | 0.41               | 0.41               | 0.41               | 0.41               | 0.43               | 0.43               | 0.43               | 0.43               | 0.43               | 0.46               | 0.46               | 0.46               | 0.46               | 0.46               |
|                  | 14°F<br>(-10.0°C)  | TC            | 9466               | 9479               | 9489               | 9489               | 9502               | 10036              | 10048              | 10058              | 10060              | 10072              | 10636              | 10650              | 10662              | 10664              | 10676              | 11277              | 11289              | 11301              | 11303              | 11317              |
|                  |                    | S/T           | 0.43               | 0.51               | 0.58               | 0.58               | 0.66               | 0.46               | 0.54               | 0.61               | 0.61               | 0.70               | 0.49               | 0.57               | 0.65               | 0.65               | 0.74               | 0.51               | 0.60               | 0.69               | 0.69               | 0.78               |
|                  |                    | PI            | 0.41               | 0.41               | 0.41               | 0.41               | 0.41               | 0.43               | 0.43               | 0.43               | 0.43               | 0.44               | 0.46               | 0.46               | 0.46               | 0.46               | 0.46               | 0.49               | 0.49               | 0.49               | 0.49               | 0.49               |
|                  | 17°F<br>(-8.3°C)   | TC            | 9336               | 9349               | 9359               | 9359               | 9372               | 9899               | 9911               | 9921               | 9923               | 9934               | 10490              | 10504              | 10516              | 10518              | 10530              | 11123              | 11135              | 11147              | 11148              | 11162              |
|                  |                    | S/T           | 0.43               | 0.51               | 0.58               | 0.58               | 0.66               | 0.46               | 0.54               | 0.61               | 0.61               | 0.70               | 0.49               | 0.57               | 0.65               | 0.65               | 0.74               | 0.52               | 0.61               | 0.69               | 0.69               | 0.78               |
|                  |                    | PI            | 0.42               | 0.42               | 0.42               | 0.42               | 0.42               | 0.44               | 0.44               | 0.44               | 0.44               | 0.44               | 0.47               | 0.47               | 0.47               | 0.47               | 0.47               | 0.50               | 0.50               | 0.50               | 0.50               | 0.50               |
|                  | 23°F<br>(-5.0°C)   | TC            | 9682               | 9695               | 9705               | 9706               | 9719               | 10265              | 10277              | 10287              | 10289              | 10302              | 10878              | 10892              | 10905              | 10907              | 10919              | 11534              | 11546              | 11559              | 11561              | 11575              |
|                  |                    | S/T           | 0.44               | 0.51               | 0.58               | 0.58               | 0.66               | 0.46               | 0.54               | 0.62               | 0.62               | 0.70               | 0.49               | 0.57               | 0.65               | 0.65               | 0.74               | 0.52               | 0.61               | 0.69               | 0.69               | 0.79               |
|                  |                    | PI            | 0.42               | 0.42               | 0.42               | 0.42               | 0.42               | 0.45               | 0.45               | 0.45               | 0.45               | 0.45               | 0.47               | 0.48               | 0.48               | 0.48               | 0.48               | 0.50               | 0.50               | 0.50               | 0.50               | 0.50               |
|                  | 35°F<br>(1.7°C)    | TC            | 10372              | 10386              | 10397              | 10398              | 10412              | 10997              | 11010              | 11021              | 11023              | 11036              | 11654              | 11669              | 11682              | 11684              | 11697              | 12356              | 12370              | 12383              | 12385              | 12401              |
|                  |                    | S/T           | 0.44               | 0.51               | 0.58               | 0.58               | 0.67               | 0.46               | 0.54               | 0.62               | 0.62               | 0.71               | 0.49               | 0.58               | 0.66               | 0.66               | 0.75               | 0.52               | 0.61               | 0.70               | 0.70               | 0.79               |
|                  |                    | PI            | 0.43               | 0.43               | 0.43               | 0.43               | 0.43               | 0.46               | 0.46               | 0.46               | 0.46               | 0.46               | 0.48               | 0.49               | 0.49               | 0.49               | 0.49               | 0.51               | 0.51               | 0.51               | 0.51               | 0.52               |
|                  | 41°F<br>(5.0°C)    | TC            | 10168              | 10181              | 10192              | 10193              | 10206              | 10780              | 10793              | 10804              | 10806              | 10819              | 11424              | 11439              | 11452              | 11454              | 11467              | 12113              | 12126              | 12139              | 12141              | 12156              |
|                  |                    | S/T           | 0.44               | 0.51               | 0.59               | 0.59               | 0.67               | 0.47               | 0.55               | 0.62               | 0.62               | 0.71               | 0.49               | 0.58               | 0.66               | 0.66               | 0.75               | 0.52               | 0.61               | 0.70               | 0.70               | 0.79               |
|                  |                    | PI            | 0.43               | 0.43               | 0.43               | 0.43               | 0.43               | 0.46               | 0.46               | 0.46               | 0.46               | 0.46               | 0.48               | 0.49               | 0.49               | 0.49               | 0.49               | 0.51               | 0.51               | 0.51               | 0.51               | 0.52               |
|                  | 47°F<br>(8.3°C)    | TC            | 9963               | 9977               | 9987               | 9988               | 10001              | 10564              | 10576              | 10587              | 10589              | 10601              | 11195              | 11209              | 11222              | 11224              | 11236              | 11869              | 11882              | 11895              | 11897              | 11912              |
|                  |                    | S/T           | 0.44               | 0.52               | 0.59               | 0.59               | 0.67               | 0.47               | 0.55               | 0.62               | 0.62               | 0.71               | 0.49               | 0.58               | 0.66               | 0.66               | 0.75               | 0.52               | 0.62               | 0.70               | 0.70               | 0.80               |
|                  |                    | PI            | 0.43               | 0.43               | 0.43               | 0.43               | 0.43               | 0.46               | 0.46               | 0.46               | 0.46               | 0.46               | 0.48               | 0.49               | 0.49               | 0.49               | 0.49               | 0.51               | 0.51               | 0.51               | 0.52               | 0.52               |
|                  | 50°F<br>(10.0°C)   | TC            | 10003              | 10017              | 10028              | 10028              | 10042              | 10606              | 10619              | 10629              | 10631              | 10644              | 11240              | 11254              | 11267              | 11269              | 11282              | 11917              | 11930              | 11943              | 11945              | 11960              |
|                  |                    | S/T           | 0.44               | 0.52               | 0.59               | 0.59               | 0.67               | 0.47               | 0.55               | 0.63               | 0.63               | 0.71               | 0.50               | 0.58               | 0.66               | 0.66               | 0.76               | 0.53               | 0.62               | 0.70               | 0.70               | 0.80               |
|                  |                    | PI            | 0.44               | 0.44               | 0.44               | 0.44               | 0.44               | 0.46               | 0.46               | 0.46               | 0.46               | 0.46               | 0.49               | 0.49               | 0.49               | 0.49               | 0.49               | 0.52               | 0.52               | 0.52               | 0.52               | 0.52               |
|                  | 59°F<br>(15.0°C)   | TC            | 10124              | 10138              | 10148              | 10149              | 10163              | 10734              | 10747              | 10757              | 10760              | 10772              | 11375              | 11390              | 11403              | 11405              | 11418              | 12061              | 12074              | 12087              | 12089              | 12104              |
|                  |                    | S/T           | 0.44               | 0.52               | 0.59               | 0.59               | 0.68               | 0.47               | 0.55               | 0.63               | 0.63               | 0.72               | 0.50               | 0.59               | 0.67               | 0.67               | 0.76               | 0.53               | 0.62               | 0.71               | 0.71               | 0.80               |
|                  |                    | PI            | 0.45               | 0.45               | 0.45               | 0.45               | 0.45               | 0.48               | 0.48               | 0.48               | 0.48               | 0.48               | 0.50               | 0.51               | 0.51               | 0.51               | 0.51               | 0.54               | 0.54               | 0.54               | 0.54               | 0.54               |
|                  | 68°F<br>(20.0°C)   | TC            | 10245              | 10258              | 10269              | 10270              | 10284              | 10862              | 10875              | 10886              | 10888              | 10901              | 11511              | 11526              | 11539              | 11541              | 11554              | 12204              | 12218              | 12231              | 12233              | 12248              |
|                  |                    | S/T           | 0.46               | 0.54               | 0.61               | 0.61               | 0.69               | 0.48               | 0.57               | 0.65               | 0.65               | 0.74               | 0.51               | 0.60               | 0.68               | 0.68               | 0.78               | 0.54               | 0.64               | 0.72               | 0.72               | 0.83               |
|                  |                    | PI            | 0.46               | 0.46               | 0.46               | 0.46               | 0.46               | 0.49               | 0.49               | 0.49               | 0.49               | 0.49               | 0.52               | 0.52               | 0.52               | 0.52               | 0.52               | 0.55               | 0.55               | 0.55               | 0.55               | 0.55               |
|                  | 77°F<br>(25.0°C)   | TC            | 10365              | 10379              | 10390              | 10391              | 10405              | 10990              | 11003              | 11014              | 11016              | 11029              | 11646              | 11662              | 11675              | 11677              | 11690              | 12348              | 12362              | 12375              | 12377              | 12392              |
|                  |                    | S/T           | 0.46               | 0.54               | 0.62               | 0.62               | 0.70               | 0.49               | 0.57               | 0.65               | 0.65               | 0.74               | 0.52               | 0.61               | 0.69               | 0.69               | 0.79               | 0.55               | 0.65               | 0.73               | 0.73               | 0.84               |
|                  |                    | PI            | 0.48               | 0.48               | 0.48               | 0.48               | 0.48               | 0.51               | 0.51               | 0.51               | 0.51               | 0.51               | 0.54               | 0.54               | 0.54               | 0.54               | 0.54               | 0.57               | 0.57               | 0.57               | 0.57               | 0.57               |
|                  | 82°F<br>(27.8°C)   | TC            | 10375              | 10389              | 10401              | 10401              | 10415              | 11001              | 11014              | 11025              | 11027              | 11040              | 11658              | 11673              | 11686              | 11688              | 11701              | 12360              | 12374              | 12387              | 12389              | 12405              |
|                  |                    | S/T           | 0.47               | 0.55               | 0.62               | 0.62               | 0.71               | 0.50               | 0.58               | 0.66               | 0.66               | 0.75               | 0.53               | 0.62               | 0.70               | 0.70               | 0.80               | 0.56               | 0.65               | 0.74               | 0.74               | 0.85               |
|                  |                    | PI            | 0.54               | 0.54               | 0.54               | 0.54               | 0.54               | 0.57               | 0.57               | 0.57               | 0.57               | 0.57               | 0.60               | 0.60               | 0.60               | 0.60               | 0.64               | 0.64               | 0.64               | 0.64               | 0.64               | 0.64               |
|                  | 86°F<br>(30.0°C)   | TC            | 10312              | 10326              | 10337              | 10338              | 10352              | 10934              | 10947              | 10957              | 10960              | 10973              | 11587              | 11602              | 11615              | 11617              | 11630              | 12285              | 12298              | 12312              | 12314              | 12329              |
|                  |                    | S/T           | 0.47               | 0.56               | 0.63               | 0.63               | 0.72               | 0.50               | 0.59               | 0.67               | 0.67               | 0.76               | 0.53               | 0.63               | 0.71               | 0.71               | 0.81               | 0.56               | 0.66               | 0.75               | 0.75               | 0.86               |
|                  |                    | PI            | 0.65               | 0.65               | 0.65               | 0.65               | 0.65               | 0.69               | 0.69               | 0.69               | 0.69               | 0.69               | 0.73               | 0.73               | 0.73               | 0.73               | 0.73               | 0.77               | 0.78               | 0.78               | 0.78               | 0.78               |
|                  | 95°F<br>(35.0°C)   | TC            | 10170              | 10183              | 10194              | 10195              | 10208              | 10783              | 10795              | 10806              | 10808              | 10821              | 114                |                    |                    |                    |                    |                    |                    |                    |                    |                    |

## COOLING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 9 (Sheet 4 of 4)

| AIRFLOW<br>(CFM) | OUTDOOR<br>DB(°F)  | ID WB<br>(°F) | 60.8°F(16.0°C) |          |          |          |          | 64.4°F(18.0°C) |          |          |          |          | 67°F(19.4°C) |          |          |          |          | 71.6°F(22.0°C) |          |          |          |          |          |
|------------------|--------------------|---------------|----------------|----------|----------|----------|----------|----------------|----------|----------|----------|----------|--------------|----------|----------|----------|----------|----------------|----------|----------|----------|----------|----------|
|                  |                    |               | ID DB<br>(°F)  | 73.4°F   | 77.0°F   | 80.0°F   | 80.6°F   | 84.2°F         | 73.4°F   | 77.0°F   | 80.0°F   | 80.6°F   | 84.2°F       | 73.4°F   | 77.0°F   | 80.0°F   | 80.6°F   | 84.2°F         | 73.4°F   | 77.0°F   | 80.0°F   | 80.6°F   | 84.2°F   |
|                  |                    |               |                | (23.0°C) | (25.0°C) | (26.7°C) | (27.0°C) | (29.0°C)       | (23.0°C) | (25.0°C) | (26.7°C) | (27.0°C) | (29.0°C)     | (23.0°C) | (25.0°C) | (26.7°C) | (27.0°C) | (29.0°C)       | (23.0°C) | (25.0°C) | (26.7°C) | (27.0°C) | (29.0°C) |
| 341              | -22°F<br>(-30.0°C) | TC            | 8878           | 8890     | 8900     | 8900     | 8912     | 9414           | 9425     | 9434     | 9436     | 9447     | 9976         | 9989     | 10000    | 10002    | 10013    | 10577          | 10588    | 10600    | 10602    | 10615    |          |
|                  |                    | S/T           | 0.48           | 0.56     | 0.63     | 0.63     | 0.72     | 0.50           | 0.59     | 0.67     | 0.67     | 0.77     | 0.53         | 0.63     | 0.71     | 0.71     | 0.81     | 0.57           | 0.67     | 0.76     | 0.76     | 0.86     |          |
|                  |                    | PI            | 0.35           | 0.35     | 0.35     | 0.35     | 0.35     | 0.37           | 0.37     | 0.37     | 0.37     | 0.37     | 0.39         | 0.39     | 0.39     | 0.39     | 0.39     | 0.41           | 0.41     | 0.41     | 0.41     | 0.41     |          |
|                  | -13°F<br>(-25.0°C) | TC            | 11602          | 11618    | 11630    | 11631    | 11647    | 12302          | 12316    | 12328    | 12331    | 12345    | 13036        | 13053    | 13068    | 13070    | 13085    | 13822          | 13837    | 13852    | 13854    | 13871    |          |
|                  |                    | S/T           | 0.48           | 0.56     | 0.64     | 0.64     | 0.73     | 0.51           | 0.60     | 0.68     | 0.68     | 0.77     | 0.54         | 0.63     | 0.72     | 0.72     | 0.82     | 0.57           | 0.67     | 0.76     | 0.76     | 0.87     |          |
|                  |                    | PI            | 0.25           | 0.25     | 0.25     | 0.25     | 0.25     | 0.26           | 0.26     | 0.26     | 0.26     | 0.26     | 0.28         | 0.28     | 0.28     | 0.28     | 0.28     | 0.30           | 0.30     | 0.30     | 0.30     | 0.30     |          |
|                  | -4°F<br>(-20.0°C)  | TC            | 11350          | 11365    | 11378    | 11378    | 11394    | 12034          | 12048    | 12060    | 12063    | 12077    | 12753        | 12770    | 12784    | 12786    | 12801    | 13522          | 13536    | 13551    | 13553    | 13570    |          |
|                  |                    | S/T           | 0.48           | 0.57     | 0.64     | 0.64     | 0.73     | 0.51           | 0.60     | 0.68     | 0.68     | 0.78     | 0.54         | 0.64     | 0.72     | 0.72     | 0.82     | 0.57           | 0.67     | 0.77     | 0.77     | 0.87     |          |
|                  |                    | PI            | 0.40           | 0.40     | 0.40     | 0.40     | 0.40     | 0.43           | 0.43     | 0.43     | 0.43     | 0.43     | 0.45         | 0.45     | 0.45     | 0.45     | 0.45     | 0.48           | 0.48     | 0.48     | 0.48     | 0.48     |          |
|                  | 0°F<br>(-17.8°C)   | TC            | 11238          | 11253    | 11265    | 11266    | 11281    | 11915          | 11930    | 11941    | 11944    | 11958    | 12627        | 12644    | 12658    | 12660    | 12674    | 13388          | 13403    | 13417    | 13419    | 13436    |          |
|                  |                    | S/T           | 0.48           | 0.57     | 0.64     | 0.64     | 0.73     | 0.51           | 0.60     | 0.68     | 0.68     | 0.78     | 0.54         | 0.64     | 0.72     | 0.72     | 0.83     | 0.58           | 0.68     | 0.77     | 0.77     | 0.88     |          |
|                  |                    | PI            | 0.42           | 0.42     | 0.42     | 0.42     | 0.42     | 0.44           | 0.44     | 0.44     | 0.44     | 0.44     | 0.47         | 0.47     | 0.47     | 0.47     | 0.47     | 0.50           | 0.50     | 0.50     | 0.50     | 0.50     |          |
|                  | 5°F<br>(-15.0°C)   | TC            | 11098          | 11113    | 11125    | 11125    | 11140    | 11767          | 11781    | 11792    | 11795    | 11809    | 12470        | 12486    | 12500    | 12502    | 12516    | 13221          | 13236    | 13250    | 13252    | 13269    |          |
|                  |                    | S/T           | 0.49           | 0.57     | 0.65     | 0.65     | 0.74     | 0.51           | 0.60     | 0.69     | 0.69     | 0.78     | 0.55         | 0.64     | 0.73     | 0.73     | 0.83     | 0.58           | 0.68     | 0.77     | 0.77     | 0.88     |          |
|                  |                    | PI            | 0.43           | 0.43     | 0.43     | 0.43     | 0.43     | 0.46           | 0.46     | 0.46     | 0.46     | 0.46     | 0.49         | 0.49     | 0.49     | 0.49     | 0.49     | 0.51           | 0.52     | 0.52     | 0.52     | 0.52     |          |
|                  | 14°F<br>(-10.0°C)  | TC            | 10661          | 10675    | 10686    | 10687    | 10701    | 11303          | 11316    | 11328    | 11330    | 11343    | 11978        | 11994    | 12007    | 12010    | 12023    | 12700          | 12714    | 12728    | 12730    | 12746    |          |
|                  |                    | S/T           | 0.49           | 0.57     | 0.65     | 0.65     | 0.74     | 0.52           | 0.61     | 0.69     | 0.69     | 0.78     | 0.55         | 0.64     | 0.73     | 0.73     | 0.83     | 0.58           | 0.68     | 0.77     | 0.77     | 0.88     |          |
|                  |                    | PI            | 0.46           | 0.46     | 0.46     | 0.46     | 0.46     | 0.49           | 0.49     | 0.49     | 0.49     | 0.49     | 0.52         | 0.52     | 0.52     | 0.52     | 0.52     | 0.55           | 0.55     | 0.55     | 0.55     | 0.55     |          |
|                  | 17°F<br>(-8.3°C)   | TC            | 10515          | 10529    | 10540    | 10541    | 10555    | 11148          | 11162    | 11173    | 11175    | 11188    | 11815        | 11830    | 11843    | 11845    | 11858    | 12526          | 12540    | 12554    | 12556    | 12571    |          |
|                  |                    | S/T           | 0.49           | 0.57     | 0.65     | 0.65     | 0.74     | 0.52           | 0.61     | 0.69     | 0.69     | 0.79     | 0.55         | 0.64     | 0.73     | 0.73     | 0.83     | 0.58           | 0.68     | 0.78     | 0.78     | 0.88     |          |
|                  |                    | PI            | 0.47           | 0.47     | 0.47     | 0.47     | 0.47     | 0.50           | 0.50     | 0.50     | 0.50     | 0.50     | 0.53         | 0.53     | 0.53     | 0.53     | 0.53     | 0.56           | 0.56     | 0.56     | 0.56     | 0.56     |          |
|                  | 23°F<br>(-5.0°C)   | TC            | 10904          | 10918    | 10930    | 10930    | 10945    | 11561          | 11574    | 11586    | 11588    | 11602    | 12251        | 12267    | 12281    | 12283    | 12297    | 12990          | 13004    | 13018    | 13020    | 13036    |          |
|                  |                    | S/T           | 0.49           | 0.58     | 0.65     | 0.65     | 0.75     | 0.52           | 0.61     | 0.69     | 0.69     | 0.79     | 0.55         | 0.65     | 0.74     | 0.74     | 0.84     | 0.58           | 0.69     | 0.78     | 0.78     | 0.89     |          |
|                  |                    | PI            | 0.48           | 0.48     | 0.48     | 0.48     | 0.48     | 0.50           | 0.50     | 0.51     | 0.51     | 0.51     | 0.53         | 0.54     | 0.54     | 0.54     | 0.54     | 0.57           | 0.57     | 0.57     | 0.57     | 0.57     |          |
|                  | 35°F<br>(1.7°C)    | TC            | 11681          | 11697    | 11709    | 11710    | 11726    | 12385          | 12400    | 12412    | 12414    | 12429    | 13125        | 13142    | 13157    | 13159    | 13174    | 13916          | 13931    | 13946    | 13948    | 13966    |          |
|                  |                    | S/T           | 0.49           | 0.58     | 0.66     | 0.66     | 0.75     | 0.52           | 0.61     | 0.70     | 0.70     | 0.79     | 0.55         | 0.65     | 0.74     | 0.74     | 0.84     | 0.59           | 0.69     | 0.78     | 0.78     | 0.89     |          |
|                  |                    | PI            | 0.49           | 0.49     | 0.49     | 0.49     | 0.49     | 0.51           | 0.52     | 0.52     | 0.52     | 0.52     | 0.55         | 0.55     | 0.55     | 0.55     | 0.55     | 0.58           | 0.58     | 0.58     | 0.58     | 0.58     |          |
|                  | 41°F<br>(5.0°C)    | TC            | 11451          | 11466    | 11479    | 11479    | 11495    | 12141          | 12155    | 12167    | 12170    | 12184    | 12866        | 12883    | 12897    | 12900    | 12914    | 13642          | 13656    | 13671    | 13673    | 13690    |          |
|                  |                    | S/T           | 0.49           | 0.58     | 0.66     | 0.66     | 0.75     | 0.52           | 0.61     | 0.70     | 0.70     | 0.80     | 0.56         | 0.65     | 0.74     | 0.74     | 0.84     | 0.59           | 0.69     | 0.78     | 0.78     | 0.89     |          |
|                  |                    | PI            | 0.49           | 0.49     | 0.49     | 0.49     | 0.49     | 0.51           | 0.52     | 0.52     | 0.52     | 0.52     | 0.55         | 0.55     | 0.55     | 0.55     | 0.55     | 0.58           | 0.58     | 0.58     | 0.58     | 0.58     |          |
|                  | 47°F<br>(8.3°C)    | TC            | 11221          | 11236    | 11248    | 11248    | 11263    | 11897          | 11911    | 11923    | 11925    | 11939    | 12608        | 12624    | 12638    | 12640    | 12655    | 13367          | 13382    | 13396    | 13398    | 13415    |          |
|                  |                    | S/T           | 0.50           | 0.58     | 0.66     | 0.66     | 0.75     | 0.53           | 0.62     | 0.70     | 0.70     | 0.80     | 0.56         | 0.65     | 0.74     | 0.74     | 0.85     | 0.59           | 0.69     | 0.79     | 0.79     | 0.90     |          |
|                  |                    | PI            | 0.49           | 0.49     | 0.49     | 0.49     | 0.49     | 0.52           | 0.52     | 0.52     | 0.52     | 0.52     | 0.55         | 0.55     | 0.55     | 0.55     | 0.55     | 0.58           | 0.58     | 0.58     | 0.58     | 0.58     |          |
|                  | 50°F<br>(10.0°C)   | TC            | 11266          | 11281    | 11293    | 11294    | 11309    | 11945          | 11959    | 11971    | 11973    | 11987    | 12658        | 12675    | 12689    | 12691    | 12706    | 13421          | 13436    | 13450    | 13452    | 13469    |          |
|                  |                    | S/T           | 0.50           | 0.58     | 0.66     | 0.66     | 0.76     | 0.53           | 0.62     | 0.70     | 0.70     | 0.80     | 0.56         | 0.66     | 0.75     | 0.75     | 0.85     | 0.59           | 0.70     | 0.79     | 0.79     | 0.90     |          |
|                  |                    | PI            | 0.49           | 0.49     | 0.49     | 0.49     | 0.49     | 0.52           | 0.52     | 0.52     | 0.52     | 0.52     | 0.55         | 0.55     | 0.55     | 0.55     | 0.55     | 0.58           | 0.59     | 0.59     | 0.59     | 0.59     |          |
|                  | 59°F<br>(15.0°C)   | TC            | 11402          | 11417    | 11429    | 11430    | 11445    | 12089          | 12103    | 12115    | 12118    | 12132    | 12811        | 12828    | 12842    | 12844    | 12859    | 13583          | 13598    | 13613    | 13615    | 13632    |          |
|                  |                    | S/T           | 0.50           | 0.59     | 0.67     | 0.67     | 0.76     | 0.53           | 0.62     | 0.71     | 0.71     | 0.81     | 0.56         | 0.66     | 0.75     | 0.75     | 0.86     | 0.60           | 0.70     | 0.80     | 0.80     | 0.91     |          |
|                  |                    | PI            | 0.51           | 0.51     | 0.51     | 0.51     | 0.51     | 0.54           | 0.54     | 0.54     | 0.54     | 0.54     | 0.57         | 0.57     | 0.57     | 0.57     | 0.57     | 0.60           | 0.60     | 0.60     | 0.60     | 0.60     |          |
|                  | 68°F<br>(20.0°C)   | TC            | 11538          | 11553    | 11566    | 11566    | 11582    | 12233          | 12247    | 12259    | 12262    | 12276    | 12964        | 12981    | 12995    | 12997    | 13012    | 13745          | 13760    | 13775    | 13777    | 13794    |          |
|                  |                    | S/T           | 0.51           | 0.60     | 0.69     | 0.69     | 0.78     | 0.54           | 0.64     | 0.73     | 0.73     | 0.83     | 0.58         | 0.68     | 0.77     | 0.77     | 0.88     | 0.61           | 0.72     | 0.82     | 0.82     | 0.93     |          |
|                  |                    | PI            | 0.52           | 0.52     | 0.52     | 0.52     | 0.52     | 0.55           | 0.55     | 0.55     | 0.55     | 0.55     | 0.59         | 0.59     | 0.59     | 0.59     | 0.59     | 0.62           | 0.62     | 0.62     | 0.62     | 0.62     |          |
|                  | 77°F<br>(25.0°C)   | TC            | 11673          | 11689    | 11702    | 11702    | 11718    | 12377          | 12392    | 12404    | 12406    | 12421    | 13116        | 13133    | 13148    | 13150    | 13165    | 13907          | 13922    | 13937    | 13939    | 13956    |          |
|                  |                    | S/T           | 0.52           | 0.61     | 0.69     | 0.69     | 0.79     | 0.55           | 0.65     | 0.74     | 0.74     | 0.84     | 0.59         | 0.69     | 0.78     | 0.78     | 0.89     | 0.62           | 0.73     | 0.83     | 0.83     | 0.94     |          |
|                  |                    | PI            | 0.54           | 0.54     | 0.54     | 0.54     | 0.54     | 0.57           | 0.57     | 0.57     | 0.57     | 0.57     | 0.60         | 0.60     | 0.60     | 0.60     | 0.60     | 0.64           | 0.64     | 0.64     | 0.64     | 0.64     |          |
|                  | 82°F<br>(27.8°C)   | TC            | 11685          | 11701    | 11713    | 11714    | 11730    | 12389          | 12404    | 12416    | 12419    | 12433    | 13129        | 13146    | 13161    | 13163    | 13178    | 13920          | 13936    | 13951    | 13953    | 13970    |          |
|                  |                    | S/T           | 0.53           | 0.62     | 0.70     | 0.70     | 0.80     | 0.56           | 0.66     | 0.75     | 0.75     | 0.85     | 0.59         | 0.70     | 0.79     | 0.79     | 0.90     | 0.63           | 0.74     | 0.84     | 0.84     | 0.95     |          |
|                  |                    | PI            | 0.60           | 0.60     | 0.61     | 0.61     | 0.61     | 0.64           | 0.64     | 0.64     | 0.64     | 0.64     | 0.68         | 0.68     | 0.68     | 0.68     | 0.68     | 0.72           | 0.72     | 0.72     | 0.72     | 0.72     |          |
|                  | 86°F<br>(30.0°C)   | TC            | 11614          | 11629    | 11642    | 11642    | 11658    | 12314          | 12328    | 12340    | 12343    | 12357    | 13049        | 13066    | 13081    | 13083    | 13098    | 13835          | 13850    | 13866    | 13868    | 13885    |          |
|                  |                    | S/T           | 0.53           | 0.63     | 0.71     | 0.71     | 0.81     | 0.57           | 0.66     | 0.75     | 0.75     | 0.86     | 0.60         | 0.70     | 0.80     | 0.80     | 0.91     | 0.64           | 0.75     | 0.85     | 0.85     | 0.97     |          |
|                  |                    | PI            | 0.73           | 0.73     | 0.73     | 0.73     | 0.74     | 0.78           | 0.78     | 0.78     | 0.78     | 0.78     | 0.82         | 0.82     | 0.82     | 0.82     | 0.83     | 0.87           | 0.87     | 0.87     | 0.87     | 0.88     |          |
|                  | 95°F<br>(35.0°C)   | TC            | 11453          | 11469    | 11481    | 11481    | 11497    | 12143          | 12158    | 12170    |          |          |              |          |          |          |          |                |          |          |          |          |          |

**Table 26 — One-Way Cassette Heating Performance (9K)**

HEATING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 9 (Sheet 1 of 2)

| AIRFLOW<br>(CFM) | OUTDOOR<br>DB(°F) | TC: Total Heating Capacity (BTU/hr) |               |                  |                    |                    | PI: Power Input (kW)      |                  |                  |                    |                    |
|------------------|-------------------|-------------------------------------|---------------|------------------|--------------------|--------------------|---------------------------|------------------|------------------|--------------------|--------------------|
|                  |                   | Indoor Conditions (DB °F)           |               |                  |                    |                    | Indoor Conditions (DB °F) |                  |                  |                    |                    |
|                  |                   | 60.8°F<br>(16.0°C)                  | 68°F (20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) | 60.8°F<br>(16.0°C)        | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) |
| 235              | -22°F (-30.0°C)   | 3521                                | 3450          | 3433             | 3706               | 3672               | 1.31                      | 1.32             | 1.32             | 1.32               | 1.33               |
|                  | -13°F (-25.0°C)   | 4523                                | 4433          | 4410             | 4577               | 4536               | 1.36                      | 1.38             | 1.38             | 1.38               | 1.39               |
|                  | -4°F (-20.0°C)    | 6174                                | 6051          | 6021             | 6249               | 6192               | 1.47                      | 1.48             | 1.48             | 1.48               | 1.49               |
|                  | 0°F (-17.8°C)     | 6812                                | 6676          | 6643             | 6894               | 6832               | 1.54                      | 1.55             | 1.56             | 1.56               | 1.56               |
|                  | 5°F (-15.0°C)     | 7610                                | 7458          | 7421             | 7702               | 7632               | 1.63                      | 1.64             | 1.65             | 1.65               | 1.66               |
|                  | 14°F (-10.0°C)    | 8310                                | 8144          | 8103             | 8410               | 8334               | 1.66                      | 1.67             | 1.67             | 1.68               | 1.68               |
|                  | 17°F (-8.3°C)     | 8543                                | 8373          | 8331             | 8646               | 8568               | 1.67                      | 1.68             | 1.68             | 1.69               | 1.69               |
|                  | 22°F (-5.6°C)     | 8887                                | 8709          | 8665             | 8993               | 8913               | 1.67                      | 1.69             | 1.69             | 1.69               | 1.70               |
|                  | 27°F (-2.8°C)     | 9230                                | 9045          | 9000             | 9341               | 9257               | 1.68                      | 1.69             | 1.70             | 1.70               | 1.71               |
|                  | 32°F (0.0°C)      | 9573                                | 9382          | 9335             | 9688               | 9601               | 1.69                      | 1.70             | 1.70             | 1.71               | 1.71               |
|                  | 35°F (1.7°C)      | 9779                                | 9583          | 9535             | 9896               | 9807               | 1.69                      | 1.70             | 1.71             | 1.71               | 1.72               |
|                  | 37°F (2.8°C)      | 9812                                | 9616          | 9568             | 9930               | 9841               | 1.62                      | 1.64             | 1.64             | 1.64               | 1.65               |
|                  | 42°F (5.6°C)      | 9896                                | 9698          | 9649             | 10015              | 9925               | 1.46                      | 1.47             | 1.48             | 1.48               | 1.48               |
|                  | 44.6°F (7.0°C)    | 9929                                | 9731          | 9682             | 10049              | 9958               | 1.39                      | 1.41             | 1.41             | 1.41               | 1.42               |
|                  | 47°F (8.3°C)      | 9979                                | 9780          | 9731             | 10099              | 10008              | 1.30                      | 1.31             | 1.31             | 1.31               | 1.32               |
|                  | 52°F (11.1°C)     | 10108                               | 9906          | 9857             | 10230              | 10138              | 1.15                      | 1.16             | 1.16             | 1.16               | 1.16               |
|                  | 57°F (13.9°C)     | 10238                               | 10033         | 9983             | 10361              | 10267              | 1.00                      | 1.00             | 1.01             | 1.01               | 1.01               |
|                  | 59°F (15.0°C)     | 10289                               | 10083         | 10033            | 10413              | 10319              | 0.94                      | 0.94             | 0.94             | 0.95               | 0.95               |
|                  | 62°F (16.7°C)     | 10367                               | 10159         | 10108            | 10491              | 10397              | 0.85                      | 0.85             | 0.85             | 0.86               | 0.86               |
|                  | 64.4°F (18.0°C)   | 10418                               | 10210         | 10159            | 10543              | 10449              | 0.78                      | 0.79             | 0.79             | 0.79               | 0.80               |
| 259              | -22°F (-30.0°C)   | 4044                                | 3963          | 3943             | 4088               | 4051               | 1.32                      | 1.33             | 1.33             | 1.33               | 1.34               |
|                  | -13°F (-25.0°C)   | 5094                                | 4992          | 4967             | 5050               | 5005               | 1.38                      | 1.39             | 1.39             | 1.39               | 1.40               |
|                  | -4°F (-20.0°C)    | 6954                                | 6814          | 6780             | 6894               | 6832               | 1.48                      | 1.49             | 1.50             | 1.50               | 1.51               |
|                  | 0°F (-17.8°C)     | 7672                                | 7519          | 7481             | 7606               | 7538               | 1.56                      | 1.57             | 1.57             | 1.57               | 1.58               |
|                  | 5°F (-15.0°C)     | 8571                                | 8399          | 8357             | 8497               | 8421               | 1.65                      | 1.66             | 1.66             | 1.67               | 1.67               |
|                  | 14°F (-10.0°C)    | 9359                                | 9172          | 9126             | 9279               | 9195               | 1.67                      | 1.69             | 1.69             | 1.69               | 1.70               |
|                  | 17°F (-8.3°C)     | 9622                                | 9429          | 9382             | 9539               | 9453               | 1.68                      | 1.70             | 1.70             | 1.70               | 1.71               |
|                  | 22°F (-5.6°C)     | 10008                               | 9808          | 9759             | 9922               | 9833               | 1.69                      | 1.70             | 1.71             | 1.71               | 1.72               |
|                  | 27°F (-2.8°C)     | 10395                               | 10187         | 10136            | 10305              | 10213              | 1.70                      | 1.71             | 1.71             | 1.72               | 1.72               |
|                  | 32°F (0.0°C)      | 10781                               | 10566         | 10513            | 10688              | 10592              | 1.70                      | 1.72             | 1.72             | 1.72               | 1.73               |
|                  | 35°F (1.7°C)      | 11013                               | 10793         | 10739            | 10918              | 10820              | 1.71                      | 1.72             | 1.72             | 1.73               | 1.73               |
|                  | 37°F (2.8°C)      | 11051                               | 10830         | 10776            | 10956              | 10857              | 1.64                      | 1.65             | 1.66             | 1.66               | 1.67               |
|                  | 42°F (5.6°C)      | 11145                               | 10922         | 10867            | 11049              | 10950              | 1.48                      | 1.49             | 1.49             | 1.49               | 1.50               |
|                  | 44.6°F (7.0°C)    | 11182                               | 10959         | 10904            | 11086              | 10987              | 1.41                      | 1.42             | 1.42             | 1.43               | 1.43               |
|                  | 47°F (8.3°C)      | 11239                               | 11014         | 10959            | 11142              | 11042              | 1.31                      | 1.32             | 1.32             | 1.33               | 1.33               |
|                  | 52°F (11.1°C)     | 11384                               | 11157         | 11101            | 11286              | 11185              | 1.16                      | 1.17             | 1.17             | 1.17               | 1.18               |
|                  | 57°F (13.9°C)     | 11530                               | 11299         | 11243            | 11430              | 11328              | 1.01                      | 1.01             | 1.02             | 1.02               | 1.02               |
|                  | 59°F (15.0°C)     | 11588                               | 11356         | 11299            | 11488              | 11385              | 0.94                      | 0.95             | 0.95             | 0.96               | 0.96               |
|                  | 62°F (16.7°C)     | 11675                               | 11441         | 11384            | 11575              | 11470              | 0.85                      | 0.86             | 0.86             | 0.86               | 0.87               |
|                  | 64.4°F (18.0°C)   | 11733                               | 11498         | 11441            | 11632              | 11528              | 0.79                      | 0.80             | 0.80             | 0.80               | 0.81               |
| 294              | -22°F (-30.0°C)   | 4644                                | 4551          | 4528             | 4510               | 4470               | 1.33                      | 1.34             | 1.35             | 1.35               | 1.35               |
|                  | -13°F (-25.0°C)   | 5737                                | 5622          | 5594             | 5572               | 5521               | 1.39                      | 1.40             | 1.41             | 1.41               | 1.41               |
|                  | -4°F (-20.0°C)    | 7831                                | 7675          | 7636             | 7606               | 7537               | 1.50                      | 1.51             | 1.51             | 1.52               | 1.52               |
|                  | 0°F (-17.8°C)     | 8641                                | 8468          | 8425             | 8392               | 8316               | 1.57                      | 1.58             | 1.59             | 1.59               | 1.60               |
|                  | 5°F (-15.0°C)     | 9652                                | 9459          | 9412             | 9374               | 9290               | 1.66                      | 1.68             | 1.68             | 1.68               | 1.69               |
|                  | 14°F (-10.0°C)    | 10540                               | 10329         | 10278            | 10237              | 10145              | 1.69                      | 1.71             | 1.71             | 1.71               | 1.72               |
|                  | 17°F (-8.3°C)     | 10836                               | 10619         | 10566            | 10524              | 10429              | 1.70                      | 1.71             | 1.72             | 1.72               | 1.73               |
|                  | 22°F (-5.6°C)     | 11271                               | 11046         | 10991            | 10947              | 10848              | 1.71                      | 1.72             | 1.72             | 1.73               | 1.73               |
|                  | 27°F (-2.8°C)     | 11707                               | 11473         | 11415            | 11370              | 11267              | 1.71                      | 1.73             | 1.73             | 1.73               | 1.74               |
|                  | 32°F (0.0°C)      | 12142                               | 11899         | 11840            | 11792              | 11686              | 1.72                      | 1.73             | 1.74             | 1.74               | 1.75               |
|                  | 35°F (1.7°C)      | 12403                               | 12155         | 12094            | 12046              | 11937              | 1.72                      | 1.74             | 1.74             | 1.74               | 1.75               |
|                  | 37°F (2.8°C)      | 12445                               | 12197         | 12136            | 12087              | 11978              | 1.66                      | 1.67             | 1.67             | 1.68               | 1.68               |
|                  | 42°F (5.6°C)      | 12551                               | 12300         | 12239            | 12190              | 12080              | 1.49                      | 1.50             | 1.51             | 1.51               | 1.51               |
|                  | 44.6°F (7.0°C)    | 12594                               | 12342         | 12280            | 12231              | 12121              | 1.42                      | 1.43             | 1.44             | 1.44               | 1.45               |
|                  | 47°F (8.3°C)      | 12657                               | 12404         | 12342            | 12293              | 12182              | 1.32                      | 1.33             | 1.34             | 1.34               | 1.34               |
|                  | 52°F (11.1°C)     | 12821                               | 12565         | 12502            | 12452              | 12340              | 1.17                      | 1.18             | 1.18             | 1.18               | 1.19               |
|                  | 57°F (13.9°C)     | 12985                               | 12725         | 12661            | 12611              | 12497              | 1.02                      | 1.02             | 1.03             | 1.03               | 1.03               |
|                  | 59°F (15.0°C)     | 13050                               | 12789         | 12725            | 12674              | 12560              | 0.95                      | 0.96             | 0.96             | 0.97               | 0.97               |
|                  | 62°F (16.7°C)     | 13149                               | 12886         | 12821            | 12770              | 12655              | 0.86                      | 0.87             | 0.87             | 0.87               | 0.88               |
|                  | 64.4°F (18.0°C)   | 13214                               | 12950         | 12885            | 12833              | 12718              | 0.80                      | 0.81             | 0.81             | 0.81               | 0.81               |

## HEATING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 9 (Sheet 2 of 2)

| AIRFLOW<br>(CFM) | OUTDOOR<br>DB(°F) | TC: Total Heating Capacity (BTU/hr) |               |                  |                    |                    | PI: Power Input (kW)      |                  |                  |                    |                    |
|------------------|-------------------|-------------------------------------|---------------|------------------|--------------------|--------------------|---------------------------|------------------|------------------|--------------------|--------------------|
|                  |                   | Indoor Conditions (DB °F)           |               |                  |                    |                    | Indoor Conditions (DB °F) |                  |                  |                    |                    |
|                  |                   | 60.8°F<br>(16.0°C)                  | 68°F (20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) | 60.8°F<br>(16.0°C)        | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) |
| 341              | -22°F (-30.0°C)   | 5230                                | 5126          | 5100             | 5080               | 5034               | 1.35                      | 1.36             | 1.36             | 1.36               | 1.37               |
|                  | -13°F (-25.0°C)   | 6461                                | 6332          | 6300             | 6275               | 6218               | 1.41                      | 1.42             | 1.42             | 1.42               | 1.43               |
|                  | -4°F (-20.0°C)    | 8820                                | 8643          | 8600             | 8566               | 8489               | 1.51                      | 1.52             | 1.53             | 1.53               | 1.54               |
|                  | 0°F (-17.8°C)     | 9731                                | 9537          | 9489             | 9451               | 9366               | 1.59                      | 1.60             | 1.60             | 1.61               | 1.61               |
|                  | 5°F (-15.0°C)     | 10871                               | 10653         | 10600            | 10558              | 10463              | 1.68                      | 1.69             | 1.70             | 1.70               | 1.71               |
|                  | 14°F (-10.0°C)    | 11871                               | 11633         | 11575            | 11529              | 11425              | 1.71                      | 1.72             | 1.73             | 1.73               | 1.74               |
|                  | 17°F (-8.3°C)     | 12204                               | 11960         | 11900            | 11852              | 11746              | 1.72                      | 1.73             | 1.74             | 1.74               | 1.75               |
|                  | 22°F (-5.6°C)     | 12694                               | 12440         | 12378            | 12328              | 12218              | 1.72                      | 1.74             | 1.74             | 1.75               | 1.75               |
|                  | 27°F (-2.8°C)     | 13184                               | 12921         | 12856            | 12805              | 12689              | 1.73                      | 1.74             | 1.75             | 1.75               | 1.76               |
|                  | 32°F (-0.0°C)     | 13674                               | 13401         | 13334            | 13281              | 13161              | 1.74                      | 1.75             | 1.75             | 1.76               | 1.77               |
|                  | 35°F (1.7°C)      | 13969                               | 13689         | 13621            | 13566              | 13444              | 1.74                      | 1.76             | 1.76             | 1.76               | 1.77               |
|                  | 37°F (2.8°C)      | 14016                               | 13736         | 13667            | 13613              | 13490              | 1.67                      | 1.69             | 1.69             | 1.69               | 1.70               |
|                  | 42°F (5.6°C)      | 14136                               | 13853         | 13784            | 13728              | 13605              | 1.51                      | 1.52             | 1.52             | 1.52               | 1.53               |
|                  | 44.6°F (7.0°C)    | 14183                               | 13900         | 13830            | 13775              | 13651              | 1.44                      | 1.45             | 1.45             | 1.46               | 1.46               |
|                  | 47°F (8.3°C)      | 14255                               | 13970         | 13900            | 13844              | 13720              | 1.34                      | 1.35             | 1.35             | 1.35               | 1.36               |
|                  | 52°F (11.1°C)     | 14439                               | 14151         | 14080            | 14023              | 13897              | 1.18                      | 1.19             | 1.19             | 1.20               | 1.20               |
|                  | 57°F (13.9°C)     | 14624                               | 14331         | 14260            | 14203              | 14075              | 1.03                      | 1.03             | 1.04             | 1.04               | 1.04               |
|                  | 59°F (15.0°C)     | 14697                               | 14403         | 14331            | 14274              | 14146              | 0.96                      | 0.97             | 0.97             | 0.98               | 0.98               |
|                  | 62°F (16.7°C)     | 14808                               | 14512         | 14439            | 14382              | 14252              | 0.87                      | 0.88             | 0.88             | 0.88               | 0.89               |
|                  | 64.4°F (18.0°C)   | 14882                               | 14584         | 14511            | 14453              | 14323              | 0.81                      | 0.82             | 0.82             | 0.82               | 0.82               |

**NOTE:** Values in grey are extrapolated based on tested performance.

**Table 27 — One-Way Cassette Cooling Performance (12K)**

COOLING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 12 (Sheet 1 of 4)

| AIR-<br>FLOW<br>(CFM) | OUT-<br>DOOR<br>DB (°F) | ID WB<br>(°F) | 60.8°F (16.0°C) |                    |                    |                    |                    | 64.4°F (18.0°C)    |                    |                    |                    |                    | 67°F (19.4°C)      |                    |                    |                    |                    | 71.6°F (22.0°C)    |                    |                    |                    |                    |
|-----------------------|-------------------------|---------------|-----------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                       |                         |               | ID DB<br>(°F)   | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) |
| 247                   | -22°F<br>(-30.0°C)      | TC            | 7061            | 7071               | 7078               | 7079               | 7088               | 7487               | 7496               | 7503               | 7505               | 7514               | 7934               | 7944               | 7953               | 7955               | 7964               | 8412               | 8421               | 8431               | 8432               | 8442               |
|                       |                         | S/T           | 0.36            | 0.42               | 0.48               | 0.48               | 0.54               | 0.38               | 0.45               | 0.51               | 0.51               | 0.58               | 0.40               | 0.47               | 0.54               | 0.54               | 0.61               | 0.43               | 0.50               | 0.57               | 0.57               | 0.65               |
|                       |                         | PI            | 0.30            | 0.30               | 0.30               | 0.30               | 0.30               | 0.32               | 0.32               | 0.32               | 0.32               | 0.32               | 0.34               | 0.34               | 0.34               | 0.34               | 0.34               | 0.36               | 0.36               | 0.36               | 0.36               | 0.36               |
|                       | -13°F<br>(-25.0°C)      | TC            | 8843            | 8855               | 8865               | 8865               | 8877               | 9376               | 9387               | 9397               | 9398               | 9410               | 9936               | 9949               | 9960               | 9962               | 9973               | 10535              | 10547              | 10558              | 10560              | 10573              |
|                       |                         | S/T           | 0.36            | 0.42               | 0.48               | 0.48               | 0.55               | 0.38               | 0.45               | 0.51               | 0.51               | 0.58               | 0.41               | 0.48               | 0.54               | 0.54               | 0.62               | 0.43               | 0.50               | 0.57               | 0.57               | 0.65               |
|                       |                         | PI            | 0.28            | 0.28               | 0.28               | 0.28               | 0.28               | 0.29               | 0.30               | 0.30               | 0.30               | 0.30               | 0.31               | 0.31               | 0.31               | 0.31               | 0.31               | 0.33               | 0.33               | 0.33               | 0.33               | 0.33               |
|                       | -4°F<br>(-20.0°C)       | TC            | 8835            | 8847               | 8856               | 8857               | 8869               | 9367               | 9379               | 9388               | 9390               | 9401               | 9927               | 9940               | 9951               | 9953               | 9964               | 10525              | 10537              | 10548              | 10550              | 10563              |
|                       |                         | S/T           | 0.36            | 0.43               | 0.48               | 0.48               | 0.55               | 0.38               | 0.45               | 0.51               | 0.51               | 0.58               | 0.41               | 0.48               | 0.54               | 0.54               | 0.62               | 0.43               | 0.51               | 0.58               | 0.58               | 0.66               |
|                       |                         | PI            | 0.33            | 0.33               | 0.33               | 0.33               | 0.33               | 0.35               | 0.35               | 0.35               | 0.35               | 0.35               | 0.37               | 0.37               | 0.37               | 0.37               | 0.37               | 0.39               | 0.39               | 0.39               | 0.39               | 0.39               |
|                       | 0°F<br>(-17.8°C)        | TC            | 8831            | 8843               | 8853               | 8853               | 8865               | 9364               | 9375               | 9384               | 9386               | 9397               | 9923               | 9936               | 9947               | 9949               | 9960               | 10521              | 10532              | 10544              | 10545              | 10558              |
|                       |                         | S/T           | 0.36            | 0.43               | 0.49               | 0.49               | 0.55               | 0.39               | 0.45               | 0.51               | 0.51               | 0.59               | 0.41               | 0.48               | 0.55               | 0.55               | 0.62               | 0.43               | 0.51               | 0.58               | 0.58               | 0.66               |
|                       |                         | PI            | 0.35            | 0.35               | 0.35               | 0.35               | 0.35               | 0.37               | 0.37               | 0.37               | 0.37               | 0.37               | 0.39               | 0.39               | 0.39               | 0.39               | 0.39               | 0.41               | 0.41               | 0.41               | 0.41               | 0.41               |
|                       | 5°F<br>(-15.0°C)        | TC            | 8827            | 8839               | 8848               | 8848               | 8860               | 9359               | 9370               | 9379               | 9381               | 9392               | 9918               | 9931               | 9942               | 9944               | 9955               | 10515              | 10527              | 10538              | 10540              | 10553              |
|                       |                         | S/T           | 0.37            | 0.43               | 0.49               | 0.49               | 0.56               | 0.39               | 0.46               | 0.52               | 0.52               | 0.59               | 0.41               | 0.48               | 0.55               | 0.55               | 0.62               | 0.44               | 0.51               | 0.58               | 0.58               | 0.66               |
|                       |                         | PI            | 0.37            | 0.37               | 0.37               | 0.37               | 0.37               | 0.40               | 0.40               | 0.40               | 0.40               | 0.40               | 0.42               | 0.42               | 0.42               | 0.42               | 0.42               | 0.44               | 0.45               | 0.45               | 0.45               | 0.45               |
|                       | 14°F<br>(-10.0°C)       | TC            | 8387            | 8399               | 8408               | 8408               | 8419               | 8893               | 8903               | 8912               | 8914               | 8925               | 9424               | 9436               | 9447               | 9449               | 9459               | 9992               | 10003              | 10014              | 10015              | 10028              |
|                       |                         | S/T           | 0.37            | 0.43               | 0.49               | 0.49               | 0.56               | 0.39               | 0.46               | 0.52               | 0.52               | 0.59               | 0.41               | 0.48               | 0.55               | 0.55               | 0.63               | 0.44               | 0.51               | 0.58               | 0.58               | 0.66               |
|                       |                         | PI            | 0.37            | 0.37               | 0.37               | 0.37               | 0.38               | 0.40               | 0.40               | 0.40               | 0.40               | 0.40               | 0.42               | 0.42               | 0.42               | 0.42               | 0.42               | 0.45               | 0.45               | 0.45               | 0.45               | 0.45               |
|                       | 17°F<br>(-8.3°C)        | TC            | 8241            | 8252               | 8261               | 8261               | 8272               | 8738               | 8748               | 8757               | 8758               | 8769               | 9260               | 9272               | 9282               | 9284               | 9294               | 9818               | 9828               | 9839               | 9840               | 9853               |
|                       |                         | S/T           | 0.37            | 0.43               | 0.49               | 0.49               | 0.56               | 0.39               | 0.46               | 0.52               | 0.52               | 0.59               | 0.41               | 0.48               | 0.55               | 0.55               | 0.63               | 0.44               | 0.51               | 0.58               | 0.58               | 0.67               |
|                       |                         | PI            | 0.37            | 0.37               | 0.37               | 0.37               | 0.38               | 0.40               | 0.40               | 0.40               | 0.40               | 0.40               | 0.42               | 0.42               | 0.42               | 0.42               | 0.42               | 0.45               | 0.45               | 0.45               | 0.45               | 0.45               |
|                       | 23°F<br>(-5.0°C)        | TC            | 8304            | 8315               | 8324               | 8325               | 8336               | 8805               | 8815               | 8824               | 8825               | 8836               | 9331               | 9343               | 9353               | 9355               | 9365               | 9893               | 9904               | 9914               | 9916               | 9928               |
|                       |                         | S/T           | 0.37            | 0.43               | 0.49               | 0.49               | 0.56               | 0.39               | 0.46               | 0.52               | 0.52               | 0.60               | 0.42               | 0.49               | 0.55               | 0.55               | 0.63               | 0.44               | 0.52               | 0.59               | 0.59               | 0.67               |
|                       |                         | PI            | 0.38            | 0.38               | 0.38               | 0.38               | 0.38               | 0.40               | 0.40               | 0.40               | 0.40               | 0.40               | 0.43               | 0.43               | 0.43               | 0.43               | 0.43               | 0.45               | 0.45               | 0.45               | 0.45               | 0.45               |
|                       | 35°F<br>(1.7°C)         | TC            | 8430            | 8442               | 8451               | 8451               | 8463               | 8938               | 8949               | 8958               | 8960               | 8970               | 9472               | 9485               | 9495               | 9497               | 9508               | 10043              | 10054              | 10065              | 10067              | 10079              |
|                       |                         | S/T           | 0.37            | 0.44               | 0.50               | 0.50               | 0.56               | 0.39               | 0.46               | 0.52               | 0.52               | 0.60               | 0.42               | 0.49               | 0.56               | 0.56               | 0.63               | 0.44               | 0.52               | 0.59               | 0.59               | 0.67               |
|                       |                         | PI            | 0.39            | 0.39               | 0.39               | 0.39               | 0.39               | 0.41               | 0.41               | 0.41               | 0.41               | 0.41               | 0.44               | 0.44               | 0.44               | 0.44               | 0.44               | 0.46               | 0.46               | 0.46               | 0.46               | 0.46               |
|                       | 41°F<br>(5.0°C)         | TC            | 8394            | 8405               | 8414               | 8415               | 8426               | 8900               | 8910               | 8919               | 8921               | 8931               | 9431               | 9444               | 9454               | 9456               | 9467               | 10000              | 10011              | 10021              | 10023              | 10035              |
|                       |                         | S/T           | 0.37            | 0.44               | 0.50               | 0.50               | 0.57               | 0.39               | 0.46               | 0.53               | 0.53               | 0.60               | 0.42               | 0.49               | 0.56               | 0.56               | 0.64               | 0.44               | 0.52               | 0.59               | 0.59               | 0.67               |
|                       |                         | PI            | 0.41            | 0.41               | 0.41               | 0.41               | 0.41               | 0.43               | 0.43               | 0.43               | 0.43               | 0.43               | 0.46               | 0.46               | 0.46               | 0.46               | 0.46               | 0.49               | 0.49               | 0.49               | 0.49               | 0.49               |
|                       | 47°F<br>(8.3°C)         | TC            | 8357            | 8369               | 8378               | 8378               | 8389               | 8861               | 8871               | 8880               | 8882               | 8893               | 9390               | 9403               | 9413               | 9415               | 9425               | 9956               | 9967               | 9978               | 9979               | 9992               |
|                       |                         | S/T           | 0.37            | 0.44               | 0.50               | 0.50               | 0.57               | 0.40               | 0.46               | 0.53               | 0.53               | 0.60               | 0.42               | 0.49               | 0.56               | 0.56               | 0.64               | 0.44               | 0.52               | 0.59               | 0.59               | 0.68               |
|                       |                         | PI            | 0.43            | 0.43               | 0.43               | 0.43               | 0.43               | 0.45               | 0.45               | 0.45               | 0.45               | 0.45               | 0.48               | 0.48               | 0.48               | 0.48               | 0.48               | 0.51               | 0.51               | 0.51               | 0.51               | 0.51               |
|                       | 50°F<br>(10.0°C)        | TC            | 8461            | 8472               | 8481               | 8482               | 8493               | 8970               | 8981               | 8990               | 8992               | 9002               | 9506               | 9519               | 9529               | 9531               | 9542               | 10079              | 10090              | 10101              | 10103              | 10115              |
|                       |                         | S/T           | 0.38            | 0.44               | 0.50               | 0.50               | 0.57               | 0.40               | 0.47               | 0.53               | 0.53               | 0.60               | 0.42               | 0.49               | 0.56               | 0.56               | 0.64               | 0.45               | 0.52               | 0.60               | 0.60               | 0.68               |
|                       |                         | PI            | 0.43            | 0.43               | 0.43               | 0.43               | 0.43               | 0.46               | 0.46               | 0.46               | 0.46               | 0.46               | 0.48               | 0.48               | 0.48               | 0.48               | 0.48               | 0.51               | 0.51               | 0.51               | 0.51               | 0.51               |
|                       | 59°F<br>(15.0°C)        | TC            | 8770            | 8782               | 8792               | 8792               | 8804               | 9299               | 9310               | 9319               | 9321               | 9332               | 9855               | 9867               | 9878               | 9880               | 9891               | 10448              | 10460              | 10471              | 10473              | 10486              |
|                       |                         | S/T           | 0.38            | 0.44               | 0.50               | 0.50               | 0.57               | 0.40               | 0.47               | 0.53               | 0.53               | 0.61               | 0.42               | 0.50               | 0.56               | 0.56               | 0.64               | 0.45               | 0.53               | 0.60               | 0.60               | 0.68               |
|                       |                         | PI            | 0.44            | 0.44               | 0.44               | 0.44               | 0.44               | 0.46               | 0.46               | 0.46               | 0.46               | 0.46               | 0.49               | 0.49               | 0.49               | 0.49               | 0.49               | 0.52               | 0.52               | 0.52               | 0.52               | 0.52               |
|                       | 68°F<br>(20.0°C)        | TC            | 9080            | 9092               | 9102               | 9103               | 9115               | 9627               | 9639               | 9648               | 9650               | 9662               | 10203              | 10216              | 10227              | 10229              | 10241              | 10817              | 10829              | 10841              | 10843              | 10856              |
|                       |                         | S/T           | 0.39            | 0.45               | 0.52               | 0.52               | 0.59               | 0.41               | 0.48               | 0.55               | 0.55               | 0.62               | 0.43               | 0.51               | 0.58               | 0.58               | 0.66               | 0.46               | 0.54               | 0.61               | 0.61               | 0.70               |
|                       |                         | PI            | 0.44            | 0.44               | 0.44               | 0.44               | 0.44               | 0.47               | 0.47               | 0.47               | 0.47               | 0.47               | 0.50               | 0.50               | 0.50               | 0.50               | 0.50               | 0.53               | 0.53               | 0.53               | 0.53               | 0.53               |
|                       | 77°F<br>(25.0°C)        | TC            | 9390            | 9403               | 9413               | 9413               | 9426               | 9956               | 9968               | 9978               | 9980               | 9991               | 10551              | 10564              | 10576              | 10578              | 10590              | 11186              | 11199              | 11211              | 11213              | 11226              |
|                       |                         | S/T           | 0.39            | 0.46               | 0.52               | 0.52               | 0.60               | 0.42               | 0.49               | 0.55               | 0.55               | 0.63               | 0.44               | 0.52               | 0.59               | 0.59               | 0.67               | 0.47               | 0.55               | 0.62               | 0.62               | 0.71               |
|                       |                         | PI            | 0.45            | 0.45               | 0.45               | 0.45               | 0.45               | 0.48               | 0.48               | 0.48               | 0.48               | 0.48               | 0.51               | 0.51               | 0.51               | 0.51               | 0.51               | 0.54               | 0.54               | 0.54               | 0.54               | 0.54               |
|                       | 82°F<br>(27.8°C)        | TC            | 9469            | 9482               | 9492               | 9493               | 9505               | 10040              | 10052              | 10062              | 10064              | 10076              | 10640              | 10654              | 10665              | 10667              | 10679              | 11281              | 11293              | 11305              | 11307              | 11321              |
|                       |                         | S/T           | 0.40            | 0.47               | 0.53               | 0.53               | 0.60               | 0.42               | 0.49               | 0.56               | 0.56               | 0.64               | 0.45               | 0.52               | 0.59               | 0.60               | 0.68               | 0.47               | 0.56               | 0.63               | 0.63               | 0.72               |
|                       |                         | PI            | 0.50            | 0.50               | 0.50               | 0.50               | 0.50               | 0.53               | 0.53               | 0.53               | 0.53               | 0.53               | 0.56               | 0.56               | 0.56               | 0.56               | 0.56               | 0.60               | 0.60               | 0.60               | 0.60               | 0.60               |
|                       | 86°F<br>(30.0°C)        | TC            | 9416            | 9428               | 9438               | 9439               | 9452               | 9983               | 9995               | 10005              | 10007              | 10019              | 10579              | 10593              | 10605              | 10607              | 10619              | 11217              | 11229              | 11241              | 11243              | 11257              |
|                       |                         | S/T           | 0.40            | 0.47               | 0.54               | 0.54               | 0.61               | 0.43               | 0.50               | 0.57               | 0.57               | 0.65               | 0.45               | 0.53               | 0.60               | 0.60               | 0.69               | 0.48               | 0.56               | 0.64               | 0.64               | 0.73               |
|                       |                         | PI            | 0.60            | 0.60               | 0.60               | 0.60               | 0.60               | 0.64               | 0.64               | 0.64               | 0.64               | 0.64               | 0.67               | 0.67               | 0.68               | 0.68               | 0.68               | 0.71               | 0.71               | 0.72               | 0.72               | 0.72               |
|                       | 95°F<br>(35.0°C)        | TC            | 9295            | 9307               | 9317               | 9318               | 9330               | 9855               | 9867               | 9876               | 9878               | 9890               | 10444              | 10457              | 10469              | 10471              | 10483              | 11073              | 11085              | 11097              | 11099              | 11113              |
|                       |                         | S/T           | 0.40            | 0.47               | 0.54               | 0.54               | 0.61               | 0.43               |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |

COOLING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 12 (Sheet 2 of 4)

| AIR-<br>FLOW<br>(CFM) | OUT-<br>DOOR<br>DB (°F) | ID WB<br>(°F) | 60.8°F (16.0°C) |                    |                    |                    |                    | 64.4°F (18.0°C)    |                    |                    |                    |                    | 67°F (19.4°C)      |                    |                    |                    |                    | 71.6°F (22.0°C)    |                    |                    |                    |                    |                    |
|-----------------------|-------------------------|---------------|-----------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                       |                         |               | ID DB<br>(°F)   | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) |
|                       |                         |               |                 |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |
| 282                   | -22°F<br>(-30.0°C)      | TC            | 7761            | 7772               | 7780               | 7780               | 7791               | 8229               | 8239               | 8247               | 8248               | 8258               | 8720               | 8732               | 8742               | 8743               | 8753               | 9246               | 9256               | 9266               | 9267               | 9279               |                    |
|                       |                         | S/T           | 0.39            | 0.46               | 0.53               | 0.53               | 0.60               | 0.42               | 0.49               | 0.56               | 0.56               | 0.63               | 0.44               | 0.52               | 0.59               | 0.59               | 0.67               | 0.47               | 0.55               | 0.63               | 0.63               | 0.71               |                    |
|                       |                         | PI            | 0.33            | 0.33               | 0.33               | 0.33               | 0.33               | 0.35               | 0.35               | 0.35               | 0.35               | 0.35               | 0.37               | 0.37               | 0.37               | 0.37               | 0.37               | 0.39               | 0.39               | 0.39               | 0.39               | 0.39               |                    |
|                       | -13°F<br>(-25.0°C)      | TC            | 9720            | 9733               | 9743               | 9744               | 9757               | 10305              | 10318              | 10328              | 10330              | 10342              | 10921              | 10935              | 10948              | 10950              | 10962              | 11579              | 11592              | 11604              | 11606              | 11621              |                    |
|                       |                         | S/T           | 0.40            | 0.47               | 0.53               | 0.53               | 0.60               | 0.42               | 0.49               | 0.56               | 0.56               | 0.64               | 0.45               | 0.52               | 0.59               | 0.59               | 0.68               | 0.47               | 0.55               | 0.63               | 0.63               | 0.72               |                    |
|                       |                         | PI            | 0.31            | 0.31               | 0.31               | 0.31               | 0.31               | 0.32               | 0.32               | 0.32               | 0.32               | 0.33               | 0.34               | 0.34               | 0.34               | 0.34               | 0.34               | 0.36               | 0.36               | 0.37               | 0.37               | 0.37               |                    |
|                       | -4°F<br>(-20.0°C)       | TC            | 9711            | 9724               | 9734               | 9735               | 9748               | 10296              | 10308              | 10318              | 10320              | 10332              | 10911              | 10925              | 10937              | 10939              | 10951              | 11568              | 11581              | 11593              | 11595              | 11610              |                    |
|                       |                         | S/T           | 0.40            | 0.47               | 0.53               | 0.53               | 0.61               | 0.42               | 0.50               | 0.56               | 0.56               | 0.64               | 0.45               | 0.53               | 0.60               | 0.60               | 0.68               | 0.48               | 0.56               | 0.63               | 0.63               | 0.72               |                    |
|                       |                         | PI            | 0.36            | 0.36               | 0.36               | 0.36               | 0.36               | 0.38               | 0.38               | 0.38               | 0.38               | 0.38               | 0.40               | 0.40               | 0.40               | 0.40               | 0.40               | 0.43               | 0.43               | 0.43               | 0.43               | 0.43               |                    |
|                       | 0°F<br>(-17.8°C)        | TC            | 9706            | 9720               | 9730               | 9730               | 9744               | 10291              | 10304              | 10314              | 10316              | 10328              | 10906              | 10920              | 10933              | 10935              | 10947              | 11563              | 11576              | 11589              | 11590              | 11605              |                    |
|                       |                         | S/T           | 0.40            | 0.47               | 0.53               | 0.53               | 0.61               | 0.42               | 0.50               | 0.57               | 0.57               | 0.64               | 0.45               | 0.53               | 0.60               | 0.60               | 0.68               | 0.48               | 0.56               | 0.64               | 0.64               | 0.72               |                    |
|                       |                         | PI            | 0.38            | 0.38               | 0.38               | 0.38               | 0.38               | 0.40               | 0.40               | 0.41               | 0.41               | 0.41               | 0.43               | 0.43               | 0.43               | 0.43               | 0.43               | 0.45               | 0.45               | 0.46               | 0.46               | 0.46               |                    |
|                       | 5°F<br>(-15.0°C)        | TC            | 9701            | 9714               | 9725               | 9725               | 9738               | 10286              | 10298              | 10308              | 10310              | 10323              | 10901              | 10915              | 10927              | 10929              | 10941              | 11557              | 11570              | 11583              | 11584              | 11599              |                    |
|                       |                         | S/T           | 0.40            | 0.47               | 0.54               | 0.54               | 0.61               | 0.43               | 0.50               | 0.57               | 0.57               | 0.65               | 0.45               | 0.53               | 0.60               | 0.60               | 0.69               | 0.48               | 0.56               | 0.64               | 0.64               | 0.73               |                    |
|                       |                         | PI            | 0.41            | 0.41               | 0.41               | 0.41               | 0.41               | 0.44               | 0.44               | 0.44               | 0.44               | 0.44               | 0.46               | 0.46               | 0.46               | 0.46               | 0.46               | 0.49               | 0.49               | 0.49               | 0.49               | 0.49               |                    |
|                       | 14°F<br>(-10.0°C)       | TC            | 9219            | 9231               | 9241               | 9241               | 9254               | 9774               | 9786               | 9795               | 9797               | 9809               | 10358              | 10372              | 10383              | 10385              | 10397              | 10982              | 10994              | 11006              | 11008              | 11022              |                    |
|                       |                         | S/T           | 0.40            | 0.47               | 0.54               | 0.54               | 0.61               | 0.43               | 0.50               | 0.57               | 0.57               | 0.65               | 0.45               | 0.53               | 0.60               | 0.60               | 0.69               | 0.48               | 0.56               | 0.64               | 0.64               | 0.73               |                    |
|                       |                         | PI            | 0.41            | 0.41               | 0.41               | 0.41               | 0.41               | 0.44               | 0.44               | 0.44               | 0.44               | 0.44               | 0.46               | 0.46               | 0.46               | 0.46               | 0.46               | 0.49               | 0.49               | 0.49               | 0.49               | 0.49               |                    |
|                       | 17°F<br>(-8.3°C)        | TC            | 9058            | 9070               | 9080               | 9080               | 9092               | 9604               | 9615               | 9624               | 9626               | 9638               | 10177              | 10191              | 10202              | 10204              | 10215              | 10791              | 10802              | 10814              | 10816              | 10829              |                    |
|                       |                         | S/T           | 0.40            | 0.47               | 0.54               | 0.54               | 0.61               | 0.43               | 0.50               | 0.57               | 0.57               | 0.65               | 0.45               | 0.53               | 0.61               | 0.61               | 0.69               | 0.48               | 0.56               | 0.64               | 0.64               | 0.73               |                    |
|                       |                         | PI            | 0.41            | 0.41               | 0.41               | 0.41               | 0.41               | 0.44               | 0.44               | 0.44               | 0.44               | 0.44               | 0.46               | 0.46               | 0.46               | 0.46               | 0.46               | 0.49               | 0.49               | 0.49               | 0.49               | 0.49               |                    |
|                       | 23°F<br>(-5.0°C)        | TC            | 9127            | 9139               | 9149               | 9150               | 9162               | 9677               | 9689               | 9698               | 9700               | 9712               | 10255              | 10269              | 10280              | 10282              | 10293              | 10873              | 10885              | 10897              | 10899              | 10912              |                    |
|                       |                         | S/T           | 0.41            | 0.48               | 0.54               | 0.54               | 0.62               | 0.43               | 0.51               | 0.57               | 0.57               | 0.65               | 0.46               | 0.54               | 0.61               | 0.61               | 0.69               | 0.48               | 0.57               | 0.65               | 0.65               | 0.74               |                    |
|                       |                         | PI            | 0.42            | 0.42               | 0.42               | 0.42               | 0.42               | 0.44               | 0.44               | 0.44               | 0.44               | 0.44               | 0.47               | 0.47               | 0.47               | 0.47               | 0.47               | 0.50               | 0.50               | 0.50               | 0.50               | 0.50               |                    |
|                       | 35°F<br>(1.7°C)         | TC            | 9266            | 9278               | 9288               | 9289               | 9301               | 9824               | 9836               | 9846               | 9848               | 9859               | 10411              | 10425              | 10436              | 10438              | 10450              | 11038              | 11050              | 11062              | 11064              | 11078              |                    |
|                       |                         | S/T           | 0.41            | 0.48               | 0.54               | 0.54               | 0.62               | 0.43               | 0.51               | 0.58               | 0.58               | 0.66               | 0.46               | 0.54               | 0.61               | 0.61               | 0.70               | 0.49               | 0.57               | 0.65               | 0.65               | 0.74               |                    |
|                       |                         | PI            | 0.43            | 0.43               | 0.43               | 0.43               | 0.43               | 0.45               | 0.45               | 0.45               | 0.45               | 0.45               | 0.48               | 0.48               | 0.48               | 0.48               | 0.48               | 0.51               | 0.51               | 0.51               | 0.51               | 0.51               |                    |
|                       | 41°F<br>(5.0°C)         | TC            | 9226            | 9238               | 9248               | 9248               | 9261               | 9782               | 9793               | 9803               | 9805               | 9817               | 10366              | 10380              | 10391              | 10393              | 10405              | 10991              | 11003              | 11015              | 11016              | 11030              |                    |
|                       |                         | S/T           | 0.41            | 0.48               | 0.55               | 0.55               | 0.62               | 0.43               | 0.51               | 0.58               | 0.58               | 0.66               | 0.46               | 0.54               | 0.61               | 0.61               | 0.70               | 0.49               | 0.57               | 0.65               | 0.65               | 0.74               |                    |
|                       |                         | PI            | 0.45            | 0.45               | 0.45               | 0.45               | 0.45               | 0.48               | 0.48               | 0.48               | 0.48               | 0.48               | 0.50               | 0.50               | 0.50               | 0.50               | 0.51               | 0.53               | 0.53               | 0.53               | 0.54               | 0.54               |                    |
|                       | 47°F<br>(8.3°C)         | TC            | 9186            | 9198               | 9208               | 9208               | 9221               | 9739               | 9751               | 9760               | 9762               | 9774               | 10321              | 10334              | 10346              | 10348              | 10359              | 10943              | 10955              | 10967              | 10968              | 10982              |                    |
|                       |                         | S/T           | 0.41            | 0.48               | 0.55               | 0.55               | 0.62               | 0.43               | 0.51               | 0.58               | 0.58               | 0.66               | 0.46               | 0.54               | 0.61               | 0.61               | 0.70               | 0.49               | 0.57               | 0.65               | 0.65               | 0.74               |                    |
|                       |                         | PI            | 0.47            | 0.47               | 0.47               | 0.47               | 0.47               | 0.50               | 0.50               | 0.50               | 0.50               | 0.50               | 0.53               | 0.53               | 0.53               | 0.53               | 0.53               | 0.56               | 0.56               | 0.56               | 0.56               | 0.56               |                    |
|                       | 50°F<br>(10.0°C)        | TC            | 9299            | 9312               | 9322               | 9322               | 9335               | 9859               | 9871               | 9881               | 9883               | 9895               | 10449              | 10462              | 10474              | 10476              | 10487              | 11078              | 11090              | 11102              | 11104              | 11118              |                    |
|                       |                         | S/T           | 0.41            | 0.48               | 0.55               | 0.55               | 0.63               | 0.44               | 0.51               | 0.58               | 0.58               | 0.66               | 0.46               | 0.54               | 0.62               | 0.62               | 0.70               | 0.49               | 0.58               | 0.65               | 0.65               | 0.75               |                    |
|                       |                         | PI            | 0.47            | 0.47               | 0.47               | 0.47               | 0.47               | 0.50               | 0.50               | 0.50               | 0.50               | 0.50               | 0.53               | 0.53               | 0.53               | 0.53               | 0.53               | 0.56               | 0.56               | 0.56               | 0.56               | 0.56               |                    |
|                       | 59°F<br>(15.0°C)        | TC            | 9640            | 9653               | 9663               | 9663               | 9676               | 10221              | 10233              | 10243              | 10245              | 10257              | 10831              | 10845              | 10857              | 10859              | 10871              | 11484              | 11496              | 11509              | 11511              | 11525              |                    |
|                       |                         | S/T           | 0.41            | 0.49               | 0.55               | 0.55               | 0.63               | 0.44               | 0.52               | 0.59               | 0.59               | 0.67               | 0.47               | 0.55               | 0.62               | 0.62               | 0.71               | 0.49               | 0.58               | 0.66               | 0.66               | 0.75               |                    |
|                       |                         | PI            | 0.48            | 0.48               | 0.48               | 0.48               | 0.48               | 0.51               | 0.51               | 0.51               | 0.51               | 0.51               | 0.54               | 0.54               | 0.54               | 0.54               | 0.54               | 0.57               | 0.57               | 0.57               | 0.57               | 0.57               |                    |
|                       | 68°F<br>(20.0°C)        | TC            | 9980            | 9994               | 10004              | 10005              | 10018              | 10582              | 10594              | 10605              | 10607              | 10619              | 11214              | 11228              | 11241              | 11243              | 11255              | 11889              | 11902              | 11915              | 11917              | 11932              |                    |
|                       |                         | S/T           | 0.43            | 0.50               | 0.57               | 0.57               | 0.65               | 0.45               | 0.53               | 0.60               | 0.60               | 0.69               | 0.48               | 0.56               | 0.64               | 0.64               | 0.73               | 0.51               | 0.59               | 0.68               | 0.68               | 0.77               |                    |
|                       |                         | PI            | 0.49            | 0.49               | 0.49               | 0.49               | 0.49               | 0.52               | 0.52               | 0.52               | 0.52               | 0.52               | 0.55               | 0.55               | 0.55               | 0.55               | 0.55               | 0.58               | 0.58               | 0.58               | 0.58               | 0.58               |                    |
|                       | 77°F<br>(25.0°C)        | TC            | 10321           | 10334              | 10346              | 10346              | 10360              | 10943              | 10956              | 10966              | 10969              | 10982              | 11596              | 11611              | 11624              | 11626              | 11639              | 12295              | 12308              | 12322              | 12324              | 12339              |                    |
|                       |                         | S/T           | 0.43            | 0.51               | 0.57               | 0.57               | 0.66               | 0.46               | 0.54               | 0.61               | 0.61               | 0.69               | 0.48               | 0.57               | 0.65               | 0.65               | 0.74               | 0.51               | 0.60               | 0.68               | 0.68               | 0.78               |                    |
|                       |                         | PI            | 0.49            | 0.49               | 0.50               | 0.50               | 0.50               | 0.52               | 0.52               | 0.53               | 0.53               | 0.53               | 0.56               | 0.56               | 0.56               | 0.56               | 0.56               | 0.59               | 0.59               | 0.59               | 0.59               | 0.59               |                    |
|                       | 82°F<br>(27.8°C)        | TC            | 10408           | 10422              | 10433              | 10433              | 10447              | 11035              | 11048              | 11059              | 11061              | 11074              | 11694              | 11709              | 11722              | 11725              | 11738              | 12399              | 12412              | 12426              | 12428              | 12443              |                    |
|                       |                         | S/T           | 0.44            | 0.51               | 0.58               | 0.58               | 0.66               | 0.46               | 0.54               | 0.62               | 0.62               | 0.70               | 0.49               | 0.58               | 0.65               | 0.65               | 0.75               | 0.52               | 0.61               | 0.69               | 0.69               | 0.79               |                    |
|                       |                         | PI            | 0.55            | 0.55               | 0.55               | 0.55               | 0.55               | 0.58               | 0.58               | 0.58               | 0.58               | 0.58               | 0.62               | 0.62               | 0.62               | 0.62               | 0.62               | 0.65               | 0.66               | 0.66               | 0.66               | 0.66               |                    |
|                       | 86°F<br>(30.0°C)        | TC            | 10349           | 10363              | 10374              | 10374              | 10388              | 10972              | 10985              | 10996              | 10998              | 11011              | 11628              | 11643              | 11656              | 11658              | 11671              | 12328              | 12342              | 12355              | 12357              | 12373              |                    |
|                       |                         | S/T           | 0.44            | 0.52               | 0.59               | 0.59               | 0.67               | 0.47               | 0.55               | 0.62               | 0.62               | 0.71               | 0.50               | 0.58               | 0.66               | 0.66               | 0.75               | 0.53               | 0.62               | 0.70               | 0.70               | 0.80               |                    |
|                       |                         | PI            | 0.66            | 0.66               | 0.66               | 0.66               | 0.66               | 0.70               | 0.70               | 0.70               | 0.70               | 0.70               | 0.74               | 0.74               | 0.74               | 0.74               | 0.74               | 0.78               | 0.79               | 0.79               | 0.79               | 0.79               |                    |
|                       | 95°F<br>(35.0°C)        | TC            | 10216           | 10230              | 10241              | 10241              | 10255              | 10832              | 10844              | 10855              | 10857              | 10870              | 11479              | 11494              | 1                  |                    |                    |                    |                    |                    |                    |                    |                    |

COOLING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 12 (Sheet 3 of 4)

| AIR-<br>FLOW<br>(CFM) | OUT-<br>DOOR<br>DB (°F) | ID WB<br>(°F) | 60.8°F (16.0°C) |                    |                    |                    |                    | 64.4°F (18.0°C)    |                    |                    |                    |                    | 67°F (19.4°C)      |                    |                    |                    |                    | 71.6°F (22.0°C)    |                    |                    |                    |                    |                    |
|-----------------------|-------------------------|---------------|-----------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                       |                         |               | ID DB<br>(°F)   | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) |
|                       |                         |               |                 |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |
| 312                   | -22°F<br>(-30.0°C)      | TC            | 8530            | 8542               | 8551               | 8551               | 8563               | 9044               | 9055               | 9064               | 9066               | 9077               | 9585               | 9597               | 9608               | 9610               | 9620               | 10162              | 10173              | 10184              | 10186              | 10199              |                    |
|                       |                         | S/T           | 0.43            | 0.51               | 0.58               | 0.58               | 0.66               | 0.46               | 0.54               | 0.61               | 0.61               | 0.70               | 0.49               | 0.57               | 0.65               | 0.65               | 0.74               | 0.52               | 0.61               | 0.69               | 0.69               | 0.78               |                    |
|                       |                         | PI            | 0.36            | 0.36               | 0.36               | 0.36               | 0.36               | 0.38               | 0.38               | 0.38               | 0.38               | 0.38               | 0.41               | 0.41               | 0.41               | 0.41               | 0.41               | 0.43               | 0.43               | 0.43               | 0.43               | 0.43               |                    |
|                       | -13°F<br>(-25.0°C)      | TC            | 10683           | 10697              | 10709              | 10709              | 10724              | 11327              | 11340              | 11351              | 11354              | 11367              | 12003              | 12019              | 12032              | 12035              | 12048              | 12727              | 12741              | 12754              | 12756              | 12772              |                    |
|                       |                         | S/T           | 0.44            | 0.51               | 0.58               | 0.58               | 0.66               | 0.46               | 0.54               | 0.62               | 0.62               | 0.70               | 0.49               | 0.57               | 0.65               | 0.65               | 0.74               | 0.52               | 0.61               | 0.69               | 0.69               | 0.79               |                    |
|                       |                         | PI            | 0.34            | 0.34               | 0.34               | 0.34               | 0.34               | 0.36               | 0.36               | 0.36               | 0.36               | 0.36               | 0.38               | 0.38               | 0.38               | 0.38               | 0.38               | 0.40               | 0.40               | 0.40               | 0.40               | 0.40               |                    |
|                       | -4°F<br>(-20.0°C)       | TC            | 10673           | 10687              | 10699              | 10699              | 10714              | 11316              | 11330              | 11341              | 11343              | 11356              | 11992              | 12008              | 12021              | 12023              | 12037              | 12715              | 12729              | 12742              | 12744              | 12760              |                    |
|                       |                         | S/T           | 0.44            | 0.51               | 0.58               | 0.58               | 0.67               | 0.46               | 0.55               | 0.62               | 0.62               | 0.71               | 0.49               | 0.58               | 0.66               | 0.66               | 0.75               | 0.52               | 0.61               | 0.70               | 0.70               | 0.79               |                    |
|                       |                         | PI            | 0.39            | 0.39               | 0.39               | 0.39               | 0.39               | 0.42               | 0.42               | 0.42               | 0.42               | 0.42               | 0.44               | 0.44               | 0.44               | 0.44               | 0.44               | 0.47               | 0.47               | 0.47               | 0.47               | 0.47               |                    |
|                       | 0°F<br>(-17.8°C)        | TC            | 10668           | 10683              | 10694              | 10695              | 10709              | 11311              | 11325              | 11336              | 11338              | 11352              | 11987              | 12003              | 12016              | 12018              | 12032              | 12709              | 12723              | 12737              | 12739              | 12755              |                    |
|                       |                         | S/T           | 0.44            | 0.52               | 0.59               | 0.59               | 0.67               | 0.47               | 0.55               | 0.62               | 0.62               | 0.71               | 0.49               | 0.58               | 0.66               | 0.66               | 0.75               | 0.52               | 0.61               | 0.70               | 0.70               | 0.80               |                    |
|                       |                         | PI            | 0.42            | 0.42               | 0.42               | 0.42               | 0.42               | 0.44               | 0.44               | 0.45               | 0.45               | 0.45               | 0.47               | 0.47               | 0.47               | 0.47               | 0.47               | 0.50               | 0.50               | 0.50               | 0.50               | 0.50               |                    |
|                       | 5°F<br>(-15.0°C)        | TC            | 10663           | 10677              | 10689              | 10689              | 10704              | 11305              | 11319              | 11330              | 11332              | 11346              | 11981              | 11996              | 12010              | 12012              | 12025              | 12703              | 12717              | 12730              | 12732              | 12748              |                    |
|                       |                         | S/T           | 0.44            | 0.52               | 0.59               | 0.59               | 0.67               | 0.47               | 0.55               | 0.62               | 0.62               | 0.71               | 0.50               | 0.58               | 0.66               | 0.66               | 0.75               | 0.53               | 0.62               | 0.70               | 0.70               | 0.80               |                    |
|                       |                         | PI            | 0.45            | 0.45               | 0.45               | 0.45               | 0.45               | 0.48               | 0.48               | 0.48               | 0.48               | 0.48               | 0.51               | 0.51               | 0.51               | 0.51               | 0.51               | 0.54               | 0.54               | 0.54               | 0.54               | 0.54               |                    |
|                       | 14°F<br>(-10.0°C)       | TC            | 10132           | 10146              | 10157              | 10157              | 10171              | 10743              | 10756              | 10766              | 10768              | 10781              | 11385              | 11399              | 11412              | 11414              | 11427              | 12071              | 12084              | 12097              | 12099              | 12114              |                    |
|                       |                         | S/T           | 0.44            | 0.52               | 0.59               | 0.59               | 0.67               | 0.47               | 0.55               | 0.63               | 0.63               | 0.71               | 0.50               | 0.58               | 0.66               | 0.66               | 0.76               | 0.53               | 0.62               | 0.70               | 0.70               | 0.80               |                    |
|                       |                         | PI            | 0.45            | 0.45               | 0.45               | 0.45               | 0.45               | 0.48               | 0.48               | 0.48               | 0.48               | 0.48               | 0.51               | 0.51               | 0.51               | 0.51               | 0.51               | 0.54               | 0.54               | 0.54               | 0.54               | 0.54               |                    |
|                       | 17°F<br>(-8.3°C)        | TC            | 9955            | 9969               | 9979               | 9980               | 9993               | 10555              | 10568              | 10578              | 10580              | 10593              | 11186              | 11200              | 11213              | 11215              | 11228              | 11860              | 11873              | 11886              | 11888              | 11902              |                    |
|                       |                         | S/T           | 0.44            | 0.52               | 0.59               | 0.59               | 0.68               | 0.47               | 0.55               | 0.63               | 0.63               | 0.72               | 0.50               | 0.59               | 0.67               | 0.67               | 0.76               | 0.53               | 0.62               | 0.71               | 0.71               | 0.80               |                    |
|                       |                         | PI            | 0.45            | 0.45               | 0.45               | 0.45               | 0.45               | 0.48               | 0.48               | 0.48               | 0.48               | 0.48               | 0.51               | 0.51               | 0.51               | 0.51               | 0.51               | 0.54               | 0.54               | 0.54               | 0.54               | 0.54               |                    |
|                       | 23°F<br>(-5.0°C)        | TC            | 10032           | 10045              | 10056              | 10056              | 10070              | 10636              | 10649              | 10659              | 10661              | 10674              | 11272              | 11286              | 11299              | 11301              | 11314              | 11951              | 11964              | 11977              | 11979              | 11994              |                    |
|                       |                         | S/T           | 0.45            | 0.52               | 0.60               | 0.60               | 0.68               | 0.47               | 0.56               | 0.63               | 0.63               | 0.72               | 0.50               | 0.59               | 0.67               | 0.67               | 0.76               | 0.53               | 0.62               | 0.71               | 0.71               | 0.81               |                    |
|                       |                         | PI            | 0.46            | 0.46               | 0.46               | 0.46               | 0.46               | 0.48               | 0.49               | 0.49               | 0.49               | 0.49               | 0.51               | 0.51               | 0.52               | 0.52               | 0.52               | 0.54               | 0.55               | 0.55               | 0.55               | 0.55               |                    |
|                       | 35°F<br>(1.7°C)         | TC            | 10184           | 10198              | 10209              | 10209              | 10223              | 10798              | 10811              | 10821              | 10823              | 10836              | 11443              | 11458              | 11471              | 11473              | 11486              | 12132              | 12146              | 12159              | 12161              | 12176              |                    |
|                       |                         | S/T           | 0.45            | 0.53               | 0.60               | 0.60               | 0.68               | 0.48               | 0.56               | 0.63               | 0.63               | 0.72               | 0.50               | 0.59               | 0.67               | 0.67               | 0.77               | 0.53               | 0.63               | 0.71               | 0.71               | 0.81               |                    |
|                       |                         | PI            | 0.47            | 0.47               | 0.47               | 0.47               | 0.47               | 0.50               | 0.50               | 0.50               | 0.50               | 0.50               | 0.53               | 0.53               | 0.53               | 0.53               | 0.53               | 0.56               | 0.56               | 0.56               | 0.56               | 0.56               |                    |
|                       | 41°F<br>(5.0°C)         | TC            | 10140           | 10154              | 10165              | 10165              | 10179              | 10751              | 10764              | 10774              | 10777              | 10789              | 11393              | 11408              | 11421              | 11423              | 11436              | 12080              | 12093              | 12106              | 12108              | 12123              |                    |
|                       |                         | S/T           | 0.45            | 0.53               | 0.60               | 0.60               | 0.68               | 0.48               | 0.56               | 0.64               | 0.64               | 0.72               | 0.51               | 0.59               | 0.67               | 0.67               | 0.77               | 0.54               | 0.63               | 0.71               | 0.71               | 0.81               |                    |
|                       |                         | PI            | 0.49            | 0.49               | 0.49               | 0.49               | 0.49               | 0.52               | 0.52               | 0.52               | 0.52               | 0.52               | 0.55               | 0.55               | 0.55               | 0.55               | 0.56               | 0.59               | 0.59               | 0.59               | 0.59               | 0.59               |                    |
|                       | 47°F<br>(8.3°C)         | TC            | 10096           | 10109              | 10120              | 10121              | 10134              | 10704              | 10717              | 10728              | 10730              | 10742              | 11344              | 11359              | 11371              | 11373              | 11386              | 12027              | 12040              | 12054              | 12055              | 12070              |                    |
|                       |                         | S/T           | 0.45            | 0.53               | 0.60               | 0.60               | 0.69               | 0.48               | 0.56               | 0.64               | 0.64               | 0.73               | 0.51               | 0.59               | 0.68               | 0.68               | 0.77               | 0.54               | 0.63               | 0.72               | 0.72               | 0.82               |                    |
|                       |                         | PI            | 0.52            | 0.52               | 0.52               | 0.52               | 0.52               | 0.55               | 0.55               | 0.55               | 0.55               | 0.55               | 0.58               | 0.58               | 0.58               | 0.58               | 0.58               | 0.62               | 0.62               | 0.62               | 0.62               | 0.62               |                    |
|                       | 50°F<br>(10.0°C)        | TC            | 10221           | 10234              | 10245              | 10246              | 10260              | 10837              | 10849              | 10860              | 10862              | 10875              | 11484              | 11499              | 11512              | 11514              | 11527              | 12176              | 12189              | 12202              | 12204              | 12220              |                    |
|                       |                         | S/T           | 0.45            | 0.53               | 0.60               | 0.60               | 0.69               | 0.48               | 0.56               | 0.64               | 0.64               | 0.73               | 0.51               | 0.60               | 0.68               | 0.68               | 0.77               | 0.54               | 0.63               | 0.72               | 0.72               | 0.82               |                    |
|                       |                         | PI            | 0.52            | 0.52               | 0.52               | 0.52               | 0.52               | 0.55               | 0.55               | 0.55               | 0.55               | 0.55               | 0.58               | 0.58               | 0.58               | 0.58               | 0.59               | 0.62               | 0.62               | 0.62               | 0.62               | 0.62               |                    |
|                       | 59°F<br>(15.0°C)        | TC            | 10595           | 10609              | 10621              | 10621              | 10635              | 11233              | 11247              | 11258              | 11260              | 11273              | 11905              | 11920              | 11933              | 11935              | 11949              | 12622              | 12636              | 12649              | 12651              | 12667              |                    |
|                       |                         | S/T           | 0.46            | 0.53               | 0.61               | 0.61               | 0.69               | 0.48               | 0.57               | 0.64               | 0.64               | 0.73               | 0.51               | 0.60               | 0.68               | 0.68               | 0.78               | 0.54               | 0.64               | 0.72               | 0.72               | 0.82               |                    |
|                       |                         | PI            | 0.53            | 0.53               | 0.53               | 0.53               | 0.53               | 0.56               | 0.56               | 0.56               | 0.56               | 0.56               | 0.59               | 0.59               | 0.59               | 0.59               | 0.59               | 0.63               | 0.63               | 0.63               | 0.63               | 0.63               |                    |
|                       | 68°F<br>(20.0°C)        | TC            | 10969           | 10984              | 10996              | 10996              | 11011              | 11630              | 11644              | 11655              | 11658              | 11672              | 12325              | 12341              | 12355              | 12357              | 12371              | 13068              | 13082              | 13096              | 13098              | 13114              |                    |
|                       |                         | S/T           | 0.47            | 0.55               | 0.62               | 0.62               | 0.71               | 0.50               | 0.58               | 0.66               | 0.66               | 0.75               | 0.53               | 0.62               | 0.70               | 0.70               | 0.80               | 0.56               | 0.65               | 0.74               | 0.74               | 0.85               |                    |
|                       |                         | PI            | 0.54            | 0.54               | 0.54               | 0.54               | 0.54               | 0.57               | 0.57               | 0.57               | 0.57               | 0.57               | 0.60               | 0.60               | 0.60               | 0.60               | 0.60               | 0.64               | 0.64               | 0.64               | 0.64               | 0.64               |                    |
|                       | 77°F<br>(25.0°C)        | TC            | 11343           | 11359              | 11371              | 11371              | 11387              | 12027              | 12041              | 12053              | 12056              | 12070              | 12746              | 12762              | 12776              | 12779              | 12793              | 13513              | 13528              | 13543              | 13545              | 13562              |                    |
|                       |                         | S/T           | 0.47            | 0.56               | 0.63               | 0.63               | 0.72               | 0.50               | 0.59               | 0.67               | 0.67               | 0.76               | 0.53               | 0.62               | 0.71               | 0.71               | 0.81               | 0.56               | 0.66               | 0.75               | 0.75               | 0.86               |                    |
|                       |                         | PI            | 0.54            | 0.54               | 0.54               | 0.54               | 0.55               | 0.58               | 0.58               | 0.58               | 0.58               | 0.58               | 0.61               | 0.61               | 0.61               | 0.61               | 0.61               | 0.65               | 0.65               | 0.65               | 0.65               | 0.65               |                    |
|                       | 82°F<br>(27.8°C)        | TC            | 11439           | 11455              | 11467              | 11467              | 11483              | 12129              | 12143              | 12155              | 12157              | 12172              | 12853              | 12870              | 12884              | 12887              | 12901              | 13628              | 13642              | 13657              | 13659              | 13676              |                    |
|                       |                         | S/T           | 0.48            | 0.56               | 0.64               | 0.64               | 0.73               | 0.51               | 0.60               | 0.68               | 0.68               | 0.77               | 0.54               | 0.63               | 0.72               | 0.72               | 0.82               | 0.57               | 0.67               | 0.76               | 0.76               | 0.87               |                    |
|                       |                         | PI            | 0.60            | 0.60               | 0.61               | 0.61               | 0.61               | 0.64               | 0.64               | 0.64               | 0.64               | 0.64               | 0.68               | 0.68               | 0.68               | 0.68               | 0.68               | 0.72               | 0.72               | 0.72               | 0.72               | 0.72               |                    |
|                       | 86°F<br>(30.0°C)        | TC            | 11374           | 11390              | 11402              | 11402              | 11418              | 12060              | 12074              | 12086              | 12088              | 12103              | 12780              | 12797              | 12811              | 12813              | 12828              | 13550              | 13565              | 13580              | 13582              | 13599              |                    |
|                       |                         | S/T           | 0.49            | 0.57               | 0.65               | 0.65               | 0.74               | 0.52               | 0.60               | 0.69               | 0.69               | 0.78               | 0.55               | 0.64               | 0.73               | 0.73               | 0.83               | 0.58               | 0.68               | 0.77               | 0.77               | 0.88               |                    |
|                       |                         | PI            | 0.72            | 0.72               | 0.73               | 0.73               | 0.73               | 0.77               | 0.77               | 0.77               | 0.77               | 0.77               | 0.81               | 0.81               | 0.82               | 0.82               | 0.82               | 0.86               | 0.86               | 0.86               | 0.86               | 0.87               |                    |
|                       | 95°F<br>(35.0°C)        | TC            | 11228           | 11243              | 11256              |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |

COOLING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 12 (Sheet 4 of 4)

| AIR-<br>FLOW<br>(CFM) | OUT-<br>DOOR<br>DB (°F) | ID WB<br>(°F) | 60.8°F (16.0°C) |                    |                    |                    |                    | 64.4°F (18.0°C)    |                    |                    |                    |                    | 67°F (19.4°C)      |                    |                    |                    |                    | 71.6°F (22.0°C)    |                    |                    |                    |                    |                    |
|-----------------------|-------------------------|---------------|-----------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                       |                         |               | ID DB<br>(°F)   | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) |
|                       |                         |               |                 |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |
| 353                   | -22°F<br>(-30.0°C)      | TC            | 9376            | 9388               | 9398               | 9399               | 9411               | 9941               | 9952               | 9962               | 9964               | 9976               | 10535              | 10548              | 10560              | 10562              | 10574              | 11169              | 11181              | 11194              | 11195              | 11209              |                    |
|                       |                         | S/T           | 0.48            | 0.56               | 0.63               | 0.63               | 0.72               | 0.50               | 0.59               | 0.67               | 0.67               | 0.77               | 0.53               | 0.63               | 0.71               | 0.71               | 0.81               | 0.57               | 0.67               | 0.76               | 0.76               | 0.86               |                    |
|                       |                         | PI            | 0.40            | 0.40               | 0.40               | 0.40               | 0.40               | 0.42               | 0.42               | 0.42               | 0.42               | 0.42               | 0.45               | 0.45               | 0.45               | 0.45               | 0.45               | 0.47               | 0.47               | 0.47               | 0.47               | 0.47               |                    |
|                       | -13°F<br>(-25.0°C)      | TC            | 11742           | 11757              | 11770              | 11771              | 11787              | 12449              | 12464              | 12476              | 12479              | 12494              | 13193              | 13210              | 13225              | 13227              | 13242              | 13988              | 14003              | 14018              | 14021              | 14038              |                    |
|                       |                         | S/T           | 0.48            | 0.56               | 0.64               | 0.64               | 0.73               | 0.51               | 0.60               | 0.68               | 0.68               | 0.77               | 0.54               | 0.63               | 0.72               | 0.72               | 0.82               | 0.57               | 0.67               | 0.76               | 0.76               | 0.87               |                    |
|                       |                         | PI            | 0.37            | 0.37               | 0.37               | 0.37               | 0.37               | 0.39               | 0.39               | 0.39               | 0.39               | 0.39               | 0.41               | 0.42               | 0.42               | 0.42               | 0.42               | 0.44               | 0.44               | 0.44               | 0.44               | 0.44               |                    |
|                       | -4°F<br>(-20.0°C)       | TC            | 11731           | 11746              | 11759              | 11760              | 11775              | 12438              | 12452              | 12465              | 12467              | 12482              | 13181              | 13198              | 13212              | 13215              | 13230              | 13975              | 13990              | 14005              | 14007              | 14025              |                    |
|                       |                         | S/T           | 0.48            | 0.57               | 0.64               | 0.64               | 0.73               | 0.51               | 0.60               | 0.68               | 0.68               | 0.78               | 0.54               | 0.64               | 0.72               | 0.72               | 0.82               | 0.57               | 0.67               | 0.77               | 0.77               | 0.87               |                    |
|                       |                         | PI            | 0.43            | 0.43               | 0.43               | 0.43               | 0.43               | 0.46               | 0.46               | 0.46               | 0.46               | 0.46               | 0.49               | 0.49               | 0.49               | 0.49               | 0.49               | 0.52               | 0.52               | 0.52               | 0.52               | 0.52               |                    |
|                       | 0°F<br>(-17.8°C)        | TC            | 11726           | 11741              | 11754              | 11755              | 11770              | 12432              | 12447              | 12459              | 12462              | 12477              | 13175              | 13192              | 13207              | 13209              | 13224              | 13969              | 13984              | 13999              | 14002              | 14019              |                    |
|                       |                         | S/T           | 0.48            | 0.57               | 0.64               | 0.64               | 0.73               | 0.51               | 0.60               | 0.68               | 0.68               | 0.78               | 0.54               | 0.64               | 0.72               | 0.72               | 0.83               | 0.58               | 0.68               | 0.77               | 0.77               | 0.88               |                    |
|                       |                         | PI            | 0.46            | 0.46               | 0.46               | 0.46               | 0.46               | 0.49               | 0.49               | 0.49               | 0.49               | 0.49               | 0.52               | 0.52               | 0.52               | 0.52               | 0.52               | 0.55               | 0.55               | 0.55               | 0.55               | 0.55               |                    |
|                       | 5°F<br>(-15.0°C)        | TC            | 11720           | 11735              | 11748              | 11748              | 11764              | 12426              | 12441              | 12453              | 12455              | 12470              | 13168              | 13185              | 13200              | 13202              | 13217              | 13962              | 13977              | 13992              | 13994              | 14012              |                    |
|                       |                         | S/T           | 0.49            | 0.57               | 0.65               | 0.65               | 0.74               | 0.51               | 0.60               | 0.69               | 0.69               | 0.78               | 0.55               | 0.64               | 0.73               | 0.73               | 0.83               | 0.58               | 0.68               | 0.77               | 0.77               | 0.88               |                    |
|                       |                         | PI            | 0.50            | 0.50               | 0.50               | 0.50               | 0.50               | 0.53               | 0.53               | 0.53               | 0.53               | 0.53               | 0.56               | 0.56               | 0.56               | 0.56               | 0.56               | 0.59               | 0.59               | 0.59               | 0.59               | 0.59               |                    |
|                       | 14°F<br>(-10.0°C)       | TC            | 11136           | 11151              | 11163              | 11164              | 11179              | 11807              | 11821              | 11833              | 11835              | 11850              | 12513              | 12529              | 12543              | 12545              | 12559              | 13267              | 13281              | 13296              | 13298              | 13314              |                    |
|                       |                         | S/T           | 0.49            | 0.57               | 0.65               | 0.65               | 0.74               | 0.52               | 0.61               | 0.69               | 0.69               | 0.78               | 0.55               | 0.64               | 0.73               | 0.73               | 0.83               | 0.58               | 0.68               | 0.77               | 0.77               | 0.88               |                    |
|                       |                         | PI            | 0.50            | 0.50               | 0.50               | 0.50               | 0.50               | 0.53               | 0.53               | 0.53               | 0.53               | 0.53               | 0.56               | 0.56               | 0.56               | 0.56               | 0.56               | 0.59               | 0.59               | 0.59               | 0.59               | 0.59               |                    |
|                       | 17°F<br>(-8.3°C)        | TC            | 10942           | 10957              | 10968              | 10969              | 10984              | 11601              | 11615              | 11627              | 11629              | 11643              | 12294              | 12310              | 12324              | 12326              | 12340              | 13035              | 13049              | 13064              | 13066              | 13082              |                    |
|                       |                         | S/T           | 0.49            | 0.57               | 0.65               | 0.65               | 0.74               | 0.52               | 0.61               | 0.69               | 0.69               | 0.79               | 0.55               | 0.64               | 0.73               | 0.73               | 0.83               | 0.58               | 0.68               | 0.78               | 0.78               | 0.88               |                    |
|                       |                         | PI            | 0.50            | 0.50               | 0.50               | 0.50               | 0.50               | 0.53               | 0.53               | 0.53               | 0.53               | 0.53               | 0.56               | 0.56               | 0.56               | 0.56               | 0.56               | 0.59               | 0.59               | 0.59               | 0.59               | 0.59               |                    |
|                       | 23°F<br>(-5.0°C)        | TC            | 11026           | 11041              | 11052              | 11053              | 11068              | 11690              | 11704              | 11716              | 11718              | 11732              | 12389              | 12405              | 12419              | 12421              | 12435              | 13135              | 13149              | 13164              | 13166              | 13182              |                    |
|                       |                         | S/T           | 0.49            | 0.58               | 0.65               | 0.65               | 0.75               | 0.52               | 0.61               | 0.69               | 0.69               | 0.79               | 0.55               | 0.65               | 0.74               | 0.74               | 0.84               | 0.58               | 0.69               | 0.78               | 0.78               | 0.89               |                    |
|                       |                         | PI            | 0.50            | 0.50               | 0.50               | 0.50               | 0.50               | 0.53               | 0.53               | 0.53               | 0.53               | 0.53               | 0.56               | 0.56               | 0.57               | 0.57               | 0.57               | 0.60               | 0.60               | 0.60               | 0.60               | 0.60               |                    |
|                       | 35°F<br>(1.7°C)         | TC            | 11193           | 11208              | 11220              | 11221              | 11236              | 11868              | 11882              | 11894              | 11896              | 11910              | 12577              | 12593              | 12607              | 12610              | 12624              | 13335              | 13349              | 13364              | 13366              | 13383              |                    |
|                       |                         | S/T           | 0.49            | 0.58               | 0.66               | 0.66               | 0.75               | 0.52               | 0.61               | 0.70               | 0.70               | 0.79               | 0.55               | 0.65               | 0.74               | 0.74               | 0.84               | 0.59               | 0.69               | 0.78               | 0.78               | 0.89               |                    |
|                       |                         | PI            | 0.52            | 0.52               | 0.52               | 0.52               | 0.52               | 0.55               | 0.55               | 0.55               | 0.55               | 0.55               | 0.58               | 0.58               | 0.58               | 0.58               | 0.58               | 0.61               | 0.61               | 0.61               | 0.61               | 0.62               |                    |
|                       | 41°F<br>(5.0°C)         | TC            | 11145           | 11160              | 11172              | 11172              | 11187              | 11817              | 11831              | 11842              | 11845              | 11859              | 12523              | 12539              | 12553              | 12555              | 12569              | 13277              | 13291              | 13306              | 13308              | 13325              |                    |
|                       |                         | S/T           | 0.49            | 0.58               | 0.66               | 0.66               | 0.75               | 0.52               | 0.61               | 0.70               | 0.70               | 0.80               | 0.56               | 0.65               | 0.74               | 0.74               | 0.84               | 0.59               | 0.69               | 0.78               | 0.78               | 0.89               |                    |
|                       |                         | PI            | 0.54            | 0.54               | 0.54               | 0.54               | 0.54               | 0.57               | 0.57               | 0.58               | 0.58               | 0.58               | 0.61               | 0.61               | 0.61               | 0.61               | 0.61               | 0.64               | 0.65               | 0.65               | 0.65               | 0.65               |                    |
|                       | 47°F<br>(8.3°C)         | TC            | 11096           | 11111              | 11123              | 11124              | 11139              | 11765              | 11779              | 11791              | 11793              | 11807              | 12468              | 12484              | 12498              | 12500              | 12514              | 13219              | 13234              | 13248              | 13250              | 13267              |                    |
|                       |                         | S/T           | 0.50            | 0.58               | 0.66               | 0.66               | 0.75               | 0.53               | 0.62               | 0.70               | 0.70               | 0.80               | 0.56               | 0.65               | 0.74               | 0.74               | 0.85               | 0.59               | 0.69               | 0.79               | 0.79               | 0.90               |                    |
|                       |                         | PI            | 0.57            | 0.57               | 0.57               | 0.57               | 0.57               | 0.60               | 0.60               | 0.60               | 0.60               | 0.60               | 0.64               | 0.64               | 0.64               | 0.64               | 0.64               | 0.68               | 0.68               | 0.68               | 0.68               | 0.68               |                    |
|                       | 50°F<br>(10.0°C)        | TC            | 11234           | 11249              | 11261              | 11261              | 11276              | 11911              | 11925              | 11936              | 11939              | 11953              | 12622              | 12639              | 12653              | 12655              | 12669              | 13383              | 13397              | 13412              | 13414              | 13431              |                    |
|                       |                         | S/T           | 0.50            | 0.58               | 0.66               | 0.66               | 0.76               | 0.53               | 0.62               | 0.70               | 0.70               | 0.80               | 0.56               | 0.66               | 0.75               | 0.75               | 0.85               | 0.59               | 0.70               | 0.79               | 0.79               | 0.90               |                    |
|                       |                         | PI            | 0.57            | 0.57               | 0.57               | 0.57               | 0.57               | 0.60               | 0.61               | 0.61               | 0.61               | 0.61               | 0.64               | 0.64               | 0.64               | 0.64               | 0.64               | 0.68               | 0.68               | 0.68               | 0.68               | 0.68               |                    |
|                       | 59°F<br>(15.0°C)        | TC            | 11645           | 11661              | 11673              | 11674              | 11689              | 12347              | 12361              | 12373              | 12376              | 12391              | 13084              | 13101              | 13116              | 13118              | 13133              | 13873              | 13888              | 13903              | 13905              | 13922              |                    |
|                       |                         | S/T           | 0.50            | 0.59               | 0.67               | 0.67               | 0.76               | 0.53               | 0.62               | 0.71               | 0.71               | 0.81               | 0.56               | 0.66               | 0.75               | 0.75               | 0.86               | 0.60               | 0.70               | 0.80               | 0.80               | 0.91               |                    |
|                       |                         | PI            | 0.58            | 0.58               | 0.58               | 0.58               | 0.58               | 0.61               | 0.62               | 0.62               | 0.62               | 0.62               | 0.65               | 0.65               | 0.65               | 0.65               | 0.65               | 0.69               | 0.69               | 0.69               | 0.69               | 0.69               |                    |
|                       | 68°F<br>(20.0°C)        | TC            | 12056           | 12072              | 12085              | 12086              | 12102              | 12783              | 12798              | 12811              | 12813              | 12828              | 13546              | 13564              | 13579              | 13582              | 13597              | 14363              | 14378              | 14394              | 14396              | 14414              |                    |
|                       |                         | S/T           | 0.51            | 0.60               | 0.69               | 0.69               | 0.78               | 0.54               | 0.64               | 0.73               | 0.73               | 0.83               | 0.58               | 0.68               | 0.77               | 0.77               | 0.88               | 0.61               | 0.72               | 0.82               | 0.82               | 0.93               |                    |
|                       |                         | PI            | 0.59            | 0.59               | 0.59               | 0.59               | 0.59               | 0.62               | 0.62               | 0.63               | 0.63               | 0.63               | 0.66               | 0.66               | 0.66               | 0.66               | 0.66               | 0.70               | 0.70               | 0.70               | 0.70               | 0.70               |                    |
|                       | 77°F<br>(25.0°C)        | TC            | 12468           | 12484              | 12498              | 12498              | 12515              | 13219              | 13235              | 13248              | 13250              | 13266              | 14009              | 14027              | 14042              | 14045              | 14061              | 14853              | 14869              | 14885              | 14887              | 14906              |                    |
|                       |                         | S/T           | 0.52            | 0.61               | 0.69               | 0.69               | 0.79               | 0.55               | 0.65               | 0.74               | 0.74               | 0.84               | 0.59               | 0.69               | 0.78               | 0.78               | 0.89               | 0.62               | 0.73               | 0.83               | 0.83               | 0.94               |                    |
|                       |                         | PI            | 0.60            | 0.60               | 0.60               | 0.60               | 0.60               | 0.63               | 0.63               | 0.63               | 0.63               | 0.64               | 0.67               | 0.67               | 0.67               | 0.67               | 0.67               | 0.71               | 0.71               | 0.71               | 0.71               | 0.71               |                    |
|                       | 82°F<br>(27.8°C)        | TC            | 12573           | 12590              | 12603              | 12604              | 12621              | 13331              | 13346              | 13359              | 13362              | 13378              | 14127              | 14145              | 14161              | 14164              | 14179              | 14978              | 14994              | 15011              | 15013              | 15032              |                    |
|                       |                         | S/T           | 0.53            | 0.62               | 0.70               | 0.70               | 0.80               | 0.56               | 0.66               | 0.75               | 0.75               | 0.85               | 0.59               | 0.70               | 0.79               | 0.79               | 0.90               | 0.63               | 0.74               | 0.84               | 0.84               | 0.95               |                    |
|                       |                         | PI            | 0.66            | 0.66               | 0.67               | 0.67               | 0.67               | 0.70               | 0.70               | 0.71               | 0.71               | 0.71               | 0.75               | 0.75               | 0.75               | 0.75               | 0.75               | 0.79               | 0.79               | 0.79               | 0.79               | 0.79               |                    |
|                       | 86°F<br>(30.0°C)        | TC            | 12501           | 12518              | 12532              | 12532              | 12549              | 13255              | 13271              | 13284              | 13286              | 13302              | 14047              | 14065              | 14081              | 14083              | 14099              | 14893              | 14909              | 14926              | 14928              | 14946              |                    |
|                       |                         | S/T           | 0.53            | 0.63               | 0.71               | 0.71               | 0.81               | 0.57               | 0.66               | 0.75               | 0.75               | 0.86               | 0.60               | 0.70               | 0.80               | 0.80               | 0.91               | 0.64               | 0.75               | 0.85               | 0.85               | 0.97               |                    |
|                       |                         | PI            | 0.80            | 0.80               | 0.80               | 0.80               | 0.80               | 0.84               | 0.84               | 0.85               | 0.85               | 0.85               | 0.89               | 0.90               | 0.90               | 0.90               | 0.90               | 0.95               | 0.95               | 0.95               | 0.95               | 0.95               |                    |
|                       | 95°F<br>(35.0°C)        | TC            | 12341           | 12358              |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |

**Table 28 — One-Way Cassette Heating Performance (12K)**

HEATING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 12 (Sheet 1 of 2)

| AIRFLOW (CFM) | OUTDOOR DB (°F) | TC: Total Heating Capacity (BTU/hr) |                  |                  |                    |                    | PI: Power Input (kW)      |                  |                  |                    |                    |
|---------------|-----------------|-------------------------------------|------------------|------------------|--------------------|--------------------|---------------------------|------------------|------------------|--------------------|--------------------|
|               |                 | Indoor Conditions (DB °F)           |                  |                  |                    |                    | Indoor Conditions (DB °F) |                  |                  |                    |                    |
|               |                 | 60.8°F<br>(16.0°C)                  | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) | 60.8°F<br>(16.0°C)        | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) |
| 247           | -22°F(-30.0°C)  | 3788                                | 3712             | 3693             | 4022               | 3985               | 1.32                      | 1.33             | 1.33             | 1.33               | 1.34               |
|               | -13°F(-25.0°C)  | 4866                                | 4769             | 4745             | 4968               | 4923               | 1.39                      | 1.40             | 1.40             | 1.40               | 1.41               |
|               | -4°F(-20.0°C)   | 6643                                | 6510             | 6477             | 6781               | 6720               | 1.48                      | 1.49             | 1.49             | 1.49               | 1.50               |
|               | 0°F(-17.8°C)    | 7329                                | 7183             | 7147             | 7482               | 7415               | 1.54                      | 1.56             | 1.56             | 1.56               | 1.57               |
|               | 5°F(-15.0°C)    | 8187                                | 8024             | 7983             | 8359               | 8283               | 1.63                      | 1.64             | 1.65             | 1.65               | 1.66               |
|               | 14°F(-10.0°C)   | 8940                                | 8762             | 8718             | 9127               | 9045               | 1.70                      | 1.71             | 1.71             | 1.72               | 1.72               |
|               | 17°F(-8.3°C)    | 9191                                | 9008             | 8963             | 9384               | 9299               | 1.72                      | 1.73             | 1.74             | 1.74               | 1.75               |
|               | 22°F(-5.6°C)    | 9468                                | 9279             | 9233             | 9666               | 9579               | 1.71                      | 1.72             | 1.73             | 1.73               | 1.74               |
|               | 27°F(-2.8°C)    | 9745                                | 9550             | 9503             | 9949               | 9860               | 1.70                      | 1.72             | 1.72             | 1.72               | 1.73               |
|               | 32°F(0.0°C)     | 10022                               | 9822             | 9773             | 10232              | 10140              | 1.69                      | 1.71             | 1.71             | 1.71               | 1.72               |
|               | 35°F(1.7°C)     | 10188                               | 9985             | 9935             | 10402              | 10308              | 1.69                      | 1.70             | 1.71             | 1.71               | 1.72               |
|               | 37°F(2.8°C)     | 10447                               | 10238            | 10187            | 10666              | 10570              | 1.63                      | 1.64             | 1.64             | 1.65               | 1.65               |
|               | 42°F(5.6°C)     | 11094                               | 10872            | 10817            | 11326              | 11224              | 1.48                      | 1.49             | 1.49             | 1.49               | 1.50               |
|               | 44.6°F(7.0°C)   | 11352                               | 11125            | 11070            | 11590              | 11485              | 1.41                      | 1.43             | 1.43             | 1.43               | 1.44               |
|               | 47°F(8.3°C)     | 11740                               | 11506            | 11448            | 11986              | 11878              | 1.32                      | 1.33             | 1.34             | 1.34               | 1.34               |
|               | 52°F(11.1°C)    | 11788                               | 11553            | 11495            | 12035              | 11927              | 1.16                      | 1.17             | 1.17             | 1.18               | 1.18               |
|               | 57°F(13.9°C)    | 11837                               | 11600            | 11542            | 12084              | 11975              | 1.00                      | 1.01             | 1.01             | 1.01               | 1.02               |
|               | 59°F(15.0°C)    | 11856                               | 11619            | 11561            | 12104              | 11995              | 0.93                      | 0.94             | 0.94             | 0.95               | 0.95               |
| 282           | 62°F(16.7°C)    | 11885                               | 11647            | 11589            | 12133              | 12024              | 0.84                      | 0.84             | 0.85             | 0.85               | 0.85               |
|               | 64.4°F(18.0°C)  | 11904                               | 11666            | 11608            | 12153              | 12044              | 0.77                      | 0.78             | 0.78             | 0.78               | 0.79               |
|               | -22°F(-30.0°C)  | 4246                                | 4161             | 4140             | 4311               | 4272               | 1.33                      | 1.34             | 1.34             | 1.35               | 1.35               |
|               | -13°F(-25.0°C)  | 5348                                | 5241             | 5215             | 5326               | 5278               | 1.40                      | 1.41             | 1.41             | 1.42               | 1.42               |
|               | -4°F(-20.0°C)   | 7301                                | 7155             | 7119             | 7270               | 7204               | 1.49                      | 1.50             | 1.51             | 1.51               | 1.52               |
|               | 0°F(-17.8°C)    | 8055                                | 7894             | 7855             | 8021               | 7949               | 1.56                      | 1.57             | 1.58             | 1.58               | 1.59               |
|               | 5°F(-15.0°C)    | 8999                                | 8819             | 8775             | 8960               | 8880               | 1.65                      | 1.66             | 1.66             | 1.67               | 1.67               |
|               | 14°F(-10.0°C)   | 9826                                | 9630             | 9582             | 9785               | 9697               | 1.71                      | 1.73             | 1.73             | 1.73               | 1.74               |
|               | 17°F(-8.3°C)    | 10102                               | 9900             | 9851             | 10059              | 9969               | 1.74                      | 1.75             | 1.75             | 1.76               | 1.76               |
|               | 22°F(-5.6°C)    | 10407                               | 10199            | 10148            | 10362              | 10269              | 1.73                      | 1.74             | 1.74             | 1.75               | 1.76               |
|               | 27°F(-2.8°C)    | 10711                               | 10497            | 10444            | 10666              | 10570              | 1.72                      | 1.73             | 1.74             | 1.74               | 1.75               |
|               | 32°F(0.0°C)     | 11015                               | 10795            | 10741            | 10969              | 10870              | 1.71                      | 1.73             | 1.73             | 1.73               | 1.74               |
|               | 35°F(1.7°C)     | 11198                               | 10974            | 10919            | 11151              | 11050              | 1.71                      | 1.72             | 1.72             | 1.73               | 1.73               |
|               | 37°F(2.8°C)     | 11482                               | 11253            | 11196            | 11434              | 11331              | 1.64                      | 1.66             | 1.66             | 1.66               | 1.67               |
|               | 42°F(5.6°C)     | 12193                               | 11949            | 11890            | 12141              | 12032              | 1.49                      | 1.50             | 1.51             | 1.51               | 1.51               |
|               | 44.6°F(7.0°C)   | 12477                               | 12228            | 12167            | 12424              | 12313              | 1.43                      | 1.44             | 1.44             | 1.45               | 1.45               |
|               | 47°F(8.3°C)     | 12904                               | 12646            | 12583            | 12849              | 12733              | 1.34                      | 1.35             | 1.35             | 1.35               | 1.36               |
|               | 52°F(11.1°C)    | 12957                               | 12698            | 12634            | 12902              | 12786              | 1.17                      | 1.18             | 1.18             | 1.19               | 1.19               |
|               | 57°F(13.9°C)    | 13010                               | 12749            | 12686            | 12954              | 12838              | 1.01                      | 1.02             | 1.02             | 1.02               | 1.03               |
| 312           | 59°F(15.0°C)    | 13031                               | 12770            | 12706            | 12975              | 12859              | 0.94                      | 0.95             | 0.95             | 0.96               | 0.96               |
|               | 62°F(16.7°C)    | 13063                               | 12801            | 12737            | 13007              | 12890              | 0.85                      | 0.85             | 0.85             | 0.86               | 0.86               |
|               | 64.4°F(18.0°C)  | 13084                               | 12822            | 12758            | 13028              | 12911              | 0.78                      | 0.79             | 0.79             | 0.79               | 0.79               |
|               | -22°F(-30.0°C)  | 4759                                | 4663             | 4640             | 4622               | 4580               | 1.34                      | 1.35             | 1.36             | 1.36               | 1.37               |
|               | -13°F(-25.0°C)  | 5878                                | 5761             | 5732             | 5709               | 5658               | 1.41                      | 1.43             | 1.43             | 1.43               | 1.44               |
|               | -4°F(-20.0°C)   | 8024                                | 7864             | 7825             | 7793               | 7723               | 1.51                      | 1.52             | 1.52             | 1.52               | 1.53               |
|               | 0°F(-17.8°C)    | 8854                                | 8677             | 8633             | 8599               | 8521               | 1.58                      | 1.59             | 1.59             | 1.60               | 1.60               |
|               | 5°F(-15.0°C)    | 9891                                | 9693             | 9644             | 9606               | 9519               | 1.66                      | 1.68             | 1.68             | 1.68               | 1.69               |
|               | 14°F(-10.0°C)   | 10800                               | 10584            | 10531            | 10489              | 10395              | 1.73                      | 1.74             | 1.75             | 1.75               | 1.76               |
|               | 17°F(-8.3°C)    | 11103                               | 10881            | 10827            | 10784              | 10687              | 1.75                      | 1.77             | 1.77             | 1.77               | 1.78               |
|               | 22°F(-5.6°C)    | 11438                               | 11209            | 11153            | 11109              | 11009              | 1.74                      | 1.76             | 1.76             | 1.77               | 1.77               |
|               | 27°F(-2.8°C)    | 11773                               | 11537            | 11479            | 11434              | 11331              | 1.74                      | 1.75             | 1.75             | 1.76               | 1.76               |
|               | 32°F(0.0°C)     | 12107                               | 11865            | 11806            | 11758              | 11653              | 1.73                      | 1.74             | 1.75             | 1.75               | 1.76               |
|               | 35°F(1.7°C)     | 12308                               | 12062            | 12001            | 11953              | 11846              | 1.72                      | 1.74             | 1.74             | 1.74               | 1.75               |
|               | 37°F(2.8°C)     | 12620                               | 12368            | 12306            | 12257              | 12147              | 1.66                      | 1.67             | 1.68             | 1.68               | 1.69               |
|               | 42°F(5.6°C)     | 13401                               | 13133            | 13068            | 13016              | 12898              | 1.51                      | 1.52             | 1.52             | 1.52               | 1.53               |
|               | 44.6°F(7.0°C)   | 13714                               | 13440            | 13372            | 13319              | 13199              | 1.44                      | 1.45             | 1.46             | 1.46               | 1.47               |
|               | 47°F(8.3°C)     | 14183                               | 13899            | 13829            | 13774              | 13650              | 1.35                      | 1.36             | 1.36             | 1.37               | 1.37               |
|               | 52°F(11.1°C)    | 14241                               | 13956            | 13886            | 13831              | 13706              | 1.18                      | 1.19             | 1.20             | 1.20               | 1.20               |
|               | 57°F(13.9°C)    | 14299                               | 14013            | 13943            | 13887              | 13762              | 1.02                      | 1.03             | 1.03             | 1.03               | 1.04               |
|               | 59°F(15.0°C)    | 14322                               | 14036            | 13966            | 13910              | 13785              | 0.95                      | 0.96             | 0.96             | 0.97               | 0.97               |
|               | 62°F(16.7°C)    | 14357                               | 14070            | 14000            | 13944              | 13818              | 0.85                      | 0.86             | 0.86             | 0.87               | 0.87               |
|               | 64.4°F(18.0°C)  | 14380                               | 14093            | 14022            | 13966              | 13841              | 0.79                      | 0.80             | 0.80             | 0.80               | 0.80               |

## HEATING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 12 (Sheet 2 of 2)

| AIRFLOW (CFM) | OUTDOOR DB (°F) | TC: Total Heating Capacity (BTU/hr) |                  |                  |                    |                    | PI: Power Input (kW)      |                  |                  |                    |                    |
|---------------|-----------------|-------------------------------------|------------------|------------------|--------------------|--------------------|---------------------------|------------------|------------------|--------------------|--------------------|
|               |                 | Indoor Conditions (DB °F)           |                  |                  |                    |                    | Indoor Conditions (DB °F) |                  |                  |                    |                    |
|               |                 | 60.8°F<br>(16.0°C)                  | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) | 60.8°F<br>(16.0°C)        | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) |
| 353           | -22°F(-30.0°C)  | 5230                                | 5126             | 5100             | 5080               | 5034               | 1.36                      | 1.37             | 1.37             | 1.37               | 1.38               |
|               | -13°F(-25.0°C)  | 6461                                | 6332             | 6300             | 6275               | 6218               | 1.43                      | 1.44             | 1.44             | 1.45               | 1.45               |
|               | -4°F(-20.0°C)   | 8820                                | 8643             | 8600             | 8566               | 8489               | 1.52                      | 1.53             | 1.54             | 1.54               | 1.55               |
|               | 0°F(-17.8°C)    | 9731                                | 9537             | 9489             | 9451               | 9366               | 1.59                      | 1.61             | 1.61             | 1.61               | 1.62               |
|               | 5°F(-15.0°C)    | 10871                               | 10653            | 10600            | 10558              | 10463              | 1.68                      | 1.69             | 1.70             | 1.70               | 1.71               |
|               | 14°F(-10.0°C)   | 11871                               | 11633            | 11575            | 11529              | 11425              | 1.75                      | 1.76             | 1.77             | 1.77               | 1.78               |
|               | 17°F(-8.3°C)    | 12204                               | 11960            | 11900            | 11852              | 11746              | 1.77                      | 1.78             | 1.79             | 1.79               | 1.80               |
|               | 22°F(-5.6°C)    | 12572                               | 12320            | 12259            | 12210              | 12100              | 1.76                      | 1.78             | 1.78             | 1.78               | 1.79               |
|               | 27°F(-2.8°C)    | 12939                               | 12681            | 12617            | 12567              | 12454              | 1.75                      | 1.77             | 1.77             | 1.78               | 1.78               |
|               | 32°F(-0.0°C)    | 13307                               | 13041            | 12976            | 12924              | 12807              | 1.75                      | 1.76             | 1.76             | 1.77               | 1.77               |
|               | 35°F(1.7°C)     | 13528                               | 13257            | 13191            | 13138              | 13020              | 1.74                      | 1.76             | 1.76             | 1.76               | 1.77               |
|               | 37°F(2.8°C)     | 13871                               | 13594            | 13526            | 13472              | 13350              | 1.68                      | 1.69             | 1.69             | 1.70               | 1.71               |
|               | 42°F(5.6°C)     | 14730                               | 14435            | 14363            | 14305              | 14177              | 1.52                      | 1.53             | 1.54             | 1.54               | 1.55               |
|               | 44.6°F(7.0°C)   | 15073                               | 14772            | 14698            | 14639              | 14507              | 1.46                      | 1.47             | 1.47             | 1.48               | 1.48               |
|               | 47°F(8.3°C)     | 15588                               | 15276            | 15200            | 15139              | 15003              | 1.36                      | 1.37             | 1.38             | 1.38               | 1.39               |
|               | 52°F(11.1°C)    | 15652                               | 15339            | 15262            | 15201              | 15064              | 1.20                      | 1.21             | 1.21             | 1.21               | 1.22               |
|               | 57°F(13.9°C)    | 15716                               | 15402            | 15325            | 15263              | 15126              | 1.03                      | 1.04             | 1.04             | 1.04               | 1.05               |
|               | 59°F(15.0°C)    | 15742                               | 15427            | 15350            | 15288              | 15151              | 0.96                      | 0.97             | 0.97             | 0.98               | 0.98               |
|               | 62°F(16.7°C)    | 15780                               | 15464            | 15387            | 15326              | 15188              | 0.86                      | 0.87             | 0.87             | 0.87               | 0.88               |
|               | 64.4°F(18.0°C)  | 15806                               | 15489            | 15412            | 15350              | 15212              | 0.80                      | 0.80             | 0.81             | 0.81               | 0.81               |

NOTE: Values in grey are extrapolated based on tested performance.

**Table 29 — One-Way Cassette Cooling Performance (18K)**

COOLING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 18 (Sheet 1 of 4)

| AIR-<br>FLOW<br>(CFM) | OUTDOOR<br>DB(°F)  | ID WB<br>(°F) | 60.8°F (16.0°C)    |                    |                    |                    |                    | 64.4°F (18.0°C)    |                    |                    |                    |                    | 67°F (19.4°C)      |                    |                    |                    |                    | 71.6°F (22.0°C)    |                    |                    |                    |                    |
|-----------------------|--------------------|---------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                       |                    | ID DB<br>(°F) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) |
| 207                   | -22°F<br>(-30.0°C) | TC            | 9924               | 9937               | 9948               | 9948               | 9962               | 10522              | 10534              | 10545              | 10547              | 10559              | 11150              | 11165              | 11177              | 11179              | 11192              | 11822              | 11835              | 11848              | 11850              | 11865              |
|                       |                    | S/T           | 0.35               | 0.42               | 0.47               | 0.47               | 0.54               | 0.37               | 0.44               | 0.50               | 0.50               | 0.57               | 0.40               | 0.47               | 0.53               | 0.53               | 0.60               | 0.42               | 0.49               | 0.56               | 0.56               | 0.64               |
|                       |                    | PI            | 0.45               | 0.45               | 0.45               | 0.45               | 0.45               | 0.47               | 0.47               | 0.47               | 0.47               | 0.47               | 0.50               | 0.50               | 0.50               | 0.50               | 0.50               | 0.53               | 0.53               | 0.53               | 0.53               | 0.53               |
|                       | -13°F<br>(-25.0°C) | TC            | 10243              | 10257              | 10268              | 10268              | 10282              | 10860              | 10873              | 10884              | 10886              | 10899              | 11509              | 11524              | 11537              | 11539              | 11552              | 12203              | 12216              | 12229              | 12231              | 12246              |
|                       |                    | S/T           | 0.36               | 0.42               | 0.47               | 0.47               | 0.54               | 0.38               | 0.44               | 0.50               | 0.50               | 0.57               | 0.40               | 0.47               | 0.53               | 0.53               | 0.61               | 0.42               | 0.50               | 0.57               | 0.57               | 0.64               |
|                       |                    | PI            | 0.43               | 0.43               | 0.43               | 0.43               | 0.43               | 0.46               | 0.46               | 0.46               | 0.46               | 0.46               | 0.48               | 0.48               | 0.48               | 0.48               | 0.48               | 0.51               | 0.51               | 0.51               | 0.51               | 0.51               |
|                       | -4°F<br>(-20.0°C)  | TC            | 11324              | 11339              | 11351              | 11352              | 11367              | 12006              | 12020              | 12032              | 12035              | 12049              | 12724              | 12740              | 12754              | 12757              | 12771              | 13490              | 13505              | 13520              | 13522              | 13538              |
|                       |                    | S/T           | 0.36               | 0.42               | 0.48               | 0.48               | 0.54               | 0.38               | 0.45               | 0.51               | 0.51               | 0.58               | 0.40               | 0.47               | 0.54               | 0.54               | 0.61               | 0.43               | 0.50               | 0.57               | 0.57               | 0.65               |
|                       |                    | PI            | 0.49               | 0.49               | 0.49               | 0.49               | 0.49               | 0.52               | 0.52               | 0.52               | 0.52               | 0.52               | 0.55               | 0.55               | 0.56               | 0.56               | 0.56               | 0.59               | 0.59               | 0.59               | 0.59               | 0.59               |
|                       | 0°F<br>(-17.8°C)   | TC            | 11804              | 11820              | 11833              | 11833              | 11849              | 12516              | 12530              | 12543              | 12545              | 12560              | 13263              | 13281              | 13295              | 13298              | 13313              | 14062              | 14078              | 14093              | 14095              | 14113              |
|                       |                    | S/T           | 0.36               | 0.42               | 0.48               | 0.48               | 0.55               | 0.38               | 0.45               | 0.51               | 0.51               | 0.58               | 0.40               | 0.47               | 0.54               | 0.54               | 0.61               | 0.43               | 0.50               | 0.57               | 0.57               | 0.65               |
|                       |                    | PI            | 0.52               | 0.52               | 0.52               | 0.52               | 0.52               | 0.55               | 0.55               | 0.55               | 0.55               | 0.55               | 0.59               | 0.59               | 0.59               | 0.59               | 0.59               | 0.62               | 0.62               | 0.62               | 0.62               | 0.62               |
|                       | 5°F<br>(-15.0°C)   | TC            | 12405              | 12421              | 12435              | 12435              | 12452              | 13152              | 13168              | 13181              | 13183              | 13199              | 13938              | 13956              | 13972              | 13974              | 13990              | 14778              | 14794              | 14810              | 14812              | 14831              |
|                       |                    | S/T           | 0.36               | 0.42               | 0.48               | 0.48               | 0.55               | 0.38               | 0.45               | 0.51               | 0.51               | 0.58               | 0.41               | 0.48               | 0.54               | 0.54               | 0.62               | 0.43               | 0.50               | 0.57               | 0.57               | 0.65               |
|                       |                    | PI            | 0.56               | 0.56               | 0.56               | 0.56               | 0.56               | 0.59               | 0.59               | 0.59               | 0.59               | 0.59               | 0.63               | 0.63               | 0.63               | 0.63               | 0.63               | 0.66               | 0.66               | 0.66               | 0.66               | 0.67               |
|                       | 14°F<br>(-10.0°C)  | TC            | 13048              | 13066              | 13080              | 13080              | 13098              | 13834              | 13851              | 13864              | 13867              | 13884              | 14661              | 14680              | 14696              | 14699              | 14715              | 15544              | 15561              | 15578              | 15580              | 15600              |
|                       |                    | S/T           | 0.36               | 0.42               | 0.48               | 0.48               | 0.55               | 0.38               | 0.45               | 0.51               | 0.51               | 0.58               | 0.41               | 0.48               | 0.54               | 0.54               | 0.62               | 0.43               | 0.51               | 0.57               | 0.57               | 0.65               |
|                       |                    | PI            | 0.44               | 0.44               | 0.44               | 0.44               | 0.44               | 0.46               | 0.46               | 0.46               | 0.46               | 0.47               | 0.49               | 0.49               | 0.49               | 0.49               | 0.49               | 0.52               | 0.52               | 0.52               | 0.52               | 0.52               |
|                       | 17°F<br>(-8.3°C)   | TC            | 13262              | 13280              | 13295              | 13295              | 13313              | 14062              | 14078              | 14092              | 14095              | 14112              | 14902              | 14921              | 14938              | 14941              | 14957              | 15800              | 15817              | 15834              | 15837              | 15856              |
|                       |                    | S/T           | 0.36               | 0.43               | 0.48               | 0.48               | 0.55               | 0.38               | 0.45               | 0.51               | 0.51               | 0.58               | 0.41               | 0.48               | 0.54               | 0.54               | 0.62               | 0.43               | 0.51               | 0.58               | 0.58               | 0.66               |
|                       |                    | PI            | 0.40               | 0.40               | 0.40               | 0.40               | 0.40               | 0.42               | 0.42               | 0.42               | 0.42               | 0.45               | 0.45               | 0.45               | 0.45               | 0.45               | 0.45               | 0.47               | 0.47               | 0.47               | 0.47               | 0.48               |
|                       | 23°F<br>(-5.0°C)   | TC            | 13401              | 13419              | 13434              | 13434              | 13452              | 14209              | 14226              | 14240              | 14243              | 14259              | 15058              | 15077              | 15094              | 15097              | 15114              | 15965              | 15982              | 16000              | 16002              | 16022              |
|                       |                    | S/T           | 0.36               | 0.43               | 0.49               | 0.49               | 0.55               | 0.39               | 0.45               | 0.52               | 0.52               | 0.59               | 0.41               | 0.48               | 0.55               | 0.55               | 0.62               | 0.43               | 0.51               | 0.58               | 0.58               | 0.66               |
|                       |                    | PI            | 0.44               | 0.44               | 0.44               | 0.44               | 0.44               | 0.46               | 0.46               | 0.46               | 0.46               | 0.46               | 0.49               | 0.49               | 0.49               | 0.49               | 0.49               | 0.52               | 0.52               | 0.52               | 0.52               | 0.52               |
|                       | 35°F<br>(1.7°C)    | TC            | 13679              | 13697              | 13712              | 13713              | 13731              | 14503              | 14520              | 14535              | 14538              | 14555              | 15370              | 15390              | 15407              | 15410              | 15427              | 16296              | 16314              | 16331              | 16334              | 16354              |
|                       |                    | S/T           | 0.37               | 0.43               | 0.49               | 0.49               | 0.56               | 0.39               | 0.46               | 0.52               | 0.52               | 0.59               | 0.41               | 0.48               | 0.55               | 0.55               | 0.63               | 0.44               | 0.51               | 0.58               | 0.58               | 0.66               |
|                       |                    | PI            | 0.51               | 0.51               | 0.52               | 0.52               | 0.52               | 0.54               | 0.55               | 0.55               | 0.55               | 0.55               | 0.58               | 0.58               | 0.58               | 0.58               | 0.58               | 0.61               | 0.61               | 0.61               | 0.61               | 0.61               |
|                       | 41°F<br>(5.0°C)    | TC            | 13515              | 13533              | 13547              | 13548              | 13566              | 14329              | 14346              | 14360              | 14363              | 14380              | 15185              | 15205              | 15222              | 15225              | 15242              | 16100              | 16118              | 16135              | 16138              | 16158              |
|                       |                    | S/T           | 0.37               | 0.43               | 0.49               | 0.49               | 0.56               | 0.39               | 0.46               | 0.52               | 0.52               | 0.59               | 0.41               | 0.48               | 0.55               | 0.55               | 0.63               | 0.44               | 0.51               | 0.58               | 0.58               | 0.66               |
|                       |                    | PI            | 0.56               | 0.56               | 0.56               | 0.56               | 0.56               | 0.59               | 0.59               | 0.59               | 0.59               | 0.59               | 0.62               | 0.63               | 0.63               | 0.63               | 0.63               | 0.66               | 0.66               | 0.66               | 0.66               | 0.66               |
|                       | 47°F<br>(8.3°C)    | TC            | 13350              | 13368              | 13383              | 13383              | 13401              | 14155              | 14172              | 14186              | 14188              | 14205              | 15000              | 15020              | 15037              | 15039              | 15056              | 15904              | 15922              | 15939              | 15941              | 15961              |
|                       |                    | S/T           | 0.37               | 0.43               | 0.49               | 0.49               | 0.56               | 0.39               | 0.46               | 0.52               | 0.52               | 0.59               | 0.41               | 0.49               | 0.55               | 0.55               | 0.63               | 0.44               | 0.51               | 0.58               | 0.58               | 0.67               |
|                       |                    | PI            | 0.60               | 0.60               | 0.60               | 0.60               | 0.60               | 0.63               | 0.64               | 0.64               | 0.64               | 0.64               | 0.67               | 0.67               | 0.67               | 0.67               | 0.67               | 0.71               | 0.71               | 0.71               | 0.71               | 0.72               |
|                       | 50°F<br>(10.0°C)   | TC            | 13504              | 13522              | 13537              | 13537              | 13556              | 14318              | 14335              | 14349              | 14352              | 14369              | 15173              | 15193              | 15210              | 15213              | 15230              | 16087              | 16105              | 16122              | 16125              | 16145              |
|                       |                    | S/T           | 0.37               | 0.43               | 0.49               | 0.49               | 0.56               | 0.39               | 0.46               | 0.52               | 0.52               | 0.60               | 0.42               | 0.49               | 0.55               | 0.55               | 0.63               | 0.44               | 0.52               | 0.59               | 0.59               | 0.67               |
|                       |                    | PI            | 0.62               | 0.62               | 0.62               | 0.62               | 0.62               | 0.65               | 0.65               | 0.65               | 0.65               | 0.65               | 0.69               | 0.69               | 0.69               | 0.69               | 0.69               | 0.73               | 0.73               | 0.73               | 0.73               | 0.74               |
|                       | 59°F<br>(15.0°C)   | TC            | 13965              | 13984              | 13999              | 13999              | 14018              | 14807              | 14824              | 14839              | 14842              | 14859              | 15691              | 15712              | 15729              | 15732              | 15750              | 16637              | 16655              | 16673              | 16675              | 16696              |
|                       |                    | S/T           | 0.37               | 0.44               | 0.50               | 0.50               | 0.57               | 0.39               | 0.46               | 0.53               | 0.53               | 0.60               | 0.42               | 0.49               | 0.56               | 0.56               | 0.64               | 0.44               | 0.52               | 0.59               | 0.59               | 0.67               |
|                       |                    | PI            | 0.67               | 0.67               | 0.67               | 0.67               | 0.67               | 0.71               | 0.71               | 0.71               | 0.71               | 0.71               | 0.75               | 0.75               | 0.75               | 0.75               | 0.75               | 0.79               | 0.79               | 0.80               | 0.80               | 0.80               |
|                       | 68°F<br>(20.0°C)   | TC            | 14426              | 14445              | 14461              | 14462              | 14481              | 15295              | 15314              | 15329              | 15332              | 15350              | 16209              | 16230              | 16248              | 16251              | 16270              | 17186              | 17205              | 17223              | 17226              | 17247              |
|                       |                    | S/T           | 0.38               | 0.45               | 0.51               | 0.51               | 0.58               | 0.40               | 0.48               | 0.54               | 0.54               | 0.62               | 0.43               | 0.50               | 0.57               | 0.57               | 0.65               | 0.45               | 0.53               | 0.61               | 0.61               | 0.69               |
|                       |                    | PI            | 0.72               | 0.72               | 0.72               | 0.72               | 0.72               | 0.76               | 0.76               | 0.76               | 0.76               | 0.76               | 0.81               | 0.81               | 0.81               | 0.81               | 0.81               | 0.85               | 0.86               | 0.86               | 0.86               | 0.86               |
|                       | 77°F<br>(25.0°C)   | TC            | 14887              | 14907              | 14923              | 14924              | 14944              | 15784              | 15803              | 15819              | 15822              | 15841              | 16727              | 16749              | 16768              | 16771              | 16790              | 17735              | 17754              | 17774              | 17777              | 17799              |
|                       |                    | S/T           | 0.39               | 0.45               | 0.52               | 0.52               | 0.59               | 0.41               | 0.48               | 0.55               | 0.55               | 0.62               | 0.43               | 0.51               | 0.58               | 0.58               | 0.66               | 0.46               | 0.54               | 0.61               | 0.61               | 0.70               |
|                       |                    | PI            | 0.77               | 0.77               | 0.77               | 0.77               | 0.77               | 0.81               | 0.82               | 0.82               | 0.82               | 0.82               | 0.86               | 0.86               | 0.86               | 0.86               | 0.87               | 0.91               | 0.92               | 0.92               | 0.92               | 0.92               |
|                       | 82°F<br>(27.8°C)   | TC            | 14718              | 14738              | 14754              | 14755              | 14775              | 15605              | 15624              | 15639              | 15642              | 15661              | 16538              | 16559              | 16578              | 16581              | 16599              | 17534              | 17553              | 17572              | 17575              | 17597              |
|                       |                    | S/T           | 0.39               | 0.46               | 0.52               | 0.52               | 0.60               | 0.42               | 0.49               | 0.55               | 0.55               | 0.63               | 0.44               | 0.52               | 0.59               | 0.59               | 0.67               | 0.47               | 0.55               | 0.62               | 0.62               | 0.71               |
|                       |                    | PI            | 0.83               | 0.83               | 0.83               | 0.83               | 0.83               | 0.88               | 0.88               | 0.88               | 0.88               | 0.88               | 0.93               | 0.93               | 0.93               | 0.93               | 0.93               | 0.99               | 0.99               | 0.99               | 0.99               | 0.99               |
|                       | 86°F<br>(30.0°C)   | TC            | 14047              | 14066              | 14081              | 14082              | 14101              | 14894              | 14911              | 14926              | 14929              | 14947              | 15783              | 15804              | 15821              | 15824              | 15842              | 16734              | 16753              | 16771              | 16773              | 16794              |
|                       |                    | S/T           | 0.40               | 0.47               | 0.53               | 0.53               | 0.60               | 0.42               | 0.49               | 0.56               | 0.56               | 0.64               | 0.45               | 0.52               | 0.59               | 0.59               | 0.68               | 0.47               | 0.55               | 0.63               | 0.63               | 0.72               |
|                       |                    | PI            | 0.92               | 0.92               | 0.92               | 0.92               | 0.92               | 0.97               | 0.98               | 0.98               | 0.98               | 0.98               | 1.03               | 1.03               | 1.04               | 1.04               | 1.04               | 1.09               | 1.10               | 1.10               | 1.10               | 1.10               |
|                       | 95°F<br>(35        |               |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |

COOLING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 18 (Sheet 2 of 4)

| AIR-<br>FLOW<br>(CFM) | OUTDOOR<br>DB(°F)  | ID WB<br>(°F)<br>ID DB<br>(°F) | 60.8°F (16.0°C)    |                    |                    |                    |                    | 64.4°F (18.0°C)    |                    |                    |                    |                    | 67°F (19.4°C)      |                    |                    |                    |                    | 71.6°F (22.0°C)    |                    |                    |                    |                    |
|-----------------------|--------------------|--------------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                       |                    |                                | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) |
| 300                   | -22°F<br>(-30.0°C) | TC                             | 10956              | 10971              | 10982              | 10983              | 10998              | 11616              | 11630              | 11641              | 11644              | 11657              | 12310              | 12326              | 12340              | 12342              | 12356              | 13052              | 13066              | 13080              | 13082              | 13098              |
|                       |                    | S/T                            | 0.39               | 0.46               | 0.52               | 0.52               | 0.59               | 0.41               | 0.49               | 0.55               | 0.55               | 0.63               | 0.44               | 0.51               | 0.59               | 0.59               | 0.67               | 0.47               | 0.55               | 0.62               | 0.62               | 0.71               |
|                       |                    | PI                             | 0.49               | 0.49               | 0.49               | 0.49               | 0.49               | 0.52               | 0.52               | 0.52               | 0.52               | 0.52               | 0.55               | 0.55               | 0.55               | 0.55               | 0.59               | 0.59               | 0.59               | 0.59               | 0.59               |                    |
|                       | -13°F<br>(-25.0°C) | TC                             | 11308              | 11324              | 11336              | 11336              | 11352              | 11990              | 12004              | 12016              | 12018              | 12032              | 12706              | 12723              | 12737              | 12739              | 12753              | 13472              | 13486              | 13501              | 13503              | 13520              |
|                       |                    | S/T                            | 0.39               | 0.46               | 0.52               | 0.52               | 0.60               | 0.42               | 0.49               | 0.56               | 0.56               | 0.63               | 0.44               | 0.52               | 0.59               | 0.59               | 0.67               | 0.47               | 0.55               | 0.62               | 0.62               | 0.71               |
|                       |                    | PI                             | 0.47               | 0.47               | 0.47               | 0.47               | 0.48               | 0.50               | 0.50               | 0.50               | 0.50               | 0.50               | 0.53               | 0.53               | 0.53               | 0.53               | 0.53               | 0.56               | 0.57               | 0.57               | 0.57               | 0.57               |
|                       | -4°F<br>(-20.0°C)  | TC                             | 12502              | 12518              | 12532              | 12532              | 12549              | 13255              | 13271              | 13284              | 13286              | 13302              | 14047              | 14065              | 14081              | 14083              | 14099              | 14893              | 14909              | 14926              | 14928              | 14947              |
|                       |                    | S/T                            | 0.40               | 0.46               | 0.53               | 0.53               | 0.60               | 0.42               | 0.49               | 0.56               | 0.56               | 0.64               | 0.44               | 0.52               | 0.59               | 0.59               | 0.68               | 0.47               | 0.55               | 0.63               | 0.63               | 0.72               |
|                       |                    | PI                             | 0.54               | 0.54               | 0.55               | 0.55               | 0.55               | 0.58               | 0.58               | 0.58               | 0.58               | 0.58               | 0.61               | 0.61               | 0.61               | 0.61               | 0.61               | 0.65               | 0.65               | 0.65               | 0.65               | 0.65               |
|                       | 0°F<br>(-17.8°C)   | TC                             | 13032              | 13049              | 13063              | 13064              | 13082              | 13817              | 13834              | 13847              | 13850              | 13866              | 14643              | 14662              | 14678              | 14681              | 14697              | 15525              | 15542              | 15559              | 15561              | 15581              |
|                       |                    | S/T                            | 0.40               | 0.47               | 0.53               | 0.53               | 0.60               | 0.42               | 0.49               | 0.56               | 0.56               | 0.64               | 0.45               | 0.52               | 0.59               | 0.59               | 0.68               | 0.47               | 0.55               | 0.63               | 0.63               | 0.72               |
|                       |                    | PI                             | 0.58               | 0.58               | 0.58               | 0.58               | 0.58               | 0.61               | 0.61               | 0.61               | 0.61               | 0.61               | 0.65               | 0.65               | 0.65               | 0.65               | 0.65               | 0.69               | 0.69               | 0.69               | 0.69               | 0.69               |
|                       | 5°F<br>(-15.0°C)   | TC                             | 13695              | 13713              | 13728              | 13729              | 13747              | 14520              | 14537              | 14552              | 14554              | 14572              | 15388              | 15408              | 15425              | 15428              | 15445              | 16315              | 16332              | 16350              | 16353              | 16373              |
|                       |                    | S/T                            | 0.40               | 0.47               | 0.53               | 0.53               | 0.61               | 0.42               | 0.50               | 0.56               | 0.56               | 0.64               | 0.45               | 0.53               | 0.60               | 0.60               | 0.68               | 0.47               | 0.56               | 0.63               | 0.63               | 0.72               |
|                       |                    | PI                             | 0.61               | 0.62               | 0.62               | 0.62               | 0.62               | 0.65               | 0.65               | 0.65               | 0.65               | 0.65               | 0.69               | 0.69               | 0.69               | 0.69               | 0.69               | 0.73               | 0.73               | 0.73               | 0.73               | 0.73               |
|                       | 14°F<br>(-10.0°C)  | TC                             | 14405              | 14424              | 14440              | 14441              | 14460              | 15273              | 15291              | 15306              | 15309              | 15328              | 16186              | 16207              | 16225              | 16228              | 16246              | 17161              | 17179              | 17198              | 17201              | 17222              |
|                       |                    | S/T                            | 0.40               | 0.47               | 0.53               | 0.53               | 0.61               | 0.42               | 0.50               | 0.56               | 0.56               | 0.64               | 0.45               | 0.53               | 0.60               | 0.60               | 0.68               | 0.48               | 0.56               | 0.63               | 0.63               | 0.72               |
|                       |                    | PI                             | 0.48               | 0.48               | 0.48               | 0.48               | 0.48               | 0.51               | 0.51               | 0.51               | 0.51               | 0.51               | 0.54               | 0.54               | 0.54               | 0.54               | 0.54               | 0.58               | 0.58               | 0.58               | 0.58               | 0.58               |
|                       | 17°F<br>(-8.3°C)   | TC                             | 14642              | 14661              | 14677              | 14678              | 14698              | 15524              | 15543              | 15558              | 15561              | 15579              | 16452              | 16473              | 16491              | 16494              | 16513              | 17443              | 17462              | 17481              | 17484              | 17505              |
|                       |                    | S/T                            | 0.40               | 0.47               | 0.53               | 0.53               | 0.61               | 0.42               | 0.50               | 0.57               | 0.57               | 0.65               | 0.45               | 0.53               | 0.60               | 0.60               | 0.68               | 0.48               | 0.56               | 0.64               | 0.64               | 0.73               |
|                       |                    | PI                             | 0.44               | 0.44               | 0.44               | 0.44               | 0.44               | 0.47               | 0.47               | 0.47               | 0.47               | 0.47               | 0.49               | 0.49               | 0.49               | 0.49               | 0.49               | 0.52               | 0.52               | 0.52               | 0.52               | 0.52               |
|                       | 23°F<br>(-5.0°C)   | TC                             | 14795              | 14815              | 14831              | 14832              | 14852              | 15687              | 15705              | 15721              | 15724              | 15743              | 16624              | 16645              | 16664              | 16667              | 16686              | 17625              | 17645              | 17664              | 17667              | 17689              |
|                       |                    | S/T                            | 0.40               | 0.47               | 0.54               | 0.54               | 0.61               | 0.43               | 0.50               | 0.57               | 0.57               | 0.65               | 0.45               | 0.53               | 0.60               | 0.60               | 0.69               | 0.48               | 0.56               | 0.64               | 0.64               | 0.73               |
|                       |                    | PI                             | 0.48               | 0.48               | 0.48               | 0.48               | 0.48               | 0.51               | 0.51               | 0.51               | 0.51               | 0.51               | 0.54               | 0.54               | 0.54               | 0.54               | 0.54               | 0.57               | 0.57               | 0.58               | 0.58               | 0.58               |
|                       | 35°F<br>(1.7°C)    | TC                             | 15102              | 15122              | 15138              | 15139              | 15159              | 16012              | 16031              | 16046              | 16050              | 16069              | 16968              | 16990              | 17009              | 17012              | 17031              | 17991              | 18010              | 18030              | 18033              | 18055              |
|                       |                    | S/T                            | 0.40               | 0.47               | 0.54               | 0.54               | 0.62               | 0.43               | 0.50               | 0.57               | 0.57               | 0.65               | 0.45               | 0.53               | 0.61               | 0.61               | 0.69               | 0.48               | 0.57               | 0.64               | 0.64               | 0.73               |
|                       |                    | PI                             | 0.57               | 0.57               | 0.57               | 0.57               | 0.57               | 0.60               | 0.60               | 0.60               | 0.60               | 0.60               | 0.64               | 0.64               | 0.64               | 0.64               | 0.64               | 0.68               | 0.68               | 0.68               | 0.68               | 0.68               |
|                       | 41°F<br>(5.0°C)    | TC                             | 14920              | 14940              | 14956              | 14957              | 14977              | 15819              | 15838              | 15854              | 15857              | 15876              | 16764              | 16786              | 16805              | 16808              | 16827              | 17775              | 17794              | 17813              | 17816              | 17838              |
|                       |                    | S/T                            | 0.41               | 0.48               | 0.54               | 0.54               | 0.62               | 0.43               | 0.50               | 0.57               | 0.57               | 0.65               | 0.46               | 0.53               | 0.61               | 0.61               | 0.69               | 0.48               | 0.57               | 0.64               | 0.64               | 0.73               |
|                       |                    | PI                             | 0.61               | 0.61               | 0.62               | 0.62               | 0.62               | 0.65               | 0.65               | 0.65               | 0.65               | 0.65               | 0.69               | 0.69               | 0.69               | 0.69               | 0.69               | 0.73               | 0.73               | 0.73               | 0.73               | 0.73               |
|                       | 47°F<br>(8.3°C)    | TC                             | 14739              | 14759              | 14774              | 14775              | 14795              | 15627              | 15645              | 15661              | 15664              | 15683              | 16561              | 16582              | 16601              | 16604              | 16622              | 17558              | 17577              | 17597              | 17599              | 17621              |
|                       |                    | S/T                            | 0.41               | 0.48               | 0.54               | 0.54               | 0.62               | 0.43               | 0.51               | 0.57               | 0.57               | 0.66               | 0.46               | 0.54               | 0.61               | 0.61               | 0.69               | 0.48               | 0.57               | 0.65               | 0.65               | 0.74               |
|                       |                    | PI                             | 0.66               | 0.66               | 0.66               | 0.66               | 0.66               | 0.70               | 0.70               | 0.70               | 0.70               | 0.70               | 0.74               | 0.74               | 0.74               | 0.74               | 0.74               | 0.79               | 0.79               | 0.79               | 0.79               | 0.79               |
|                       | 50°F<br>(10.0°C)   | TC                             | 14908              | 14928              | 14945              | 14945              | 14965              | 15807              | 15826              | 15841              | 15844              | 15863              | 16751              | 16773              | 16792              | 16795              | 16814              | 17761              | 17780              | 17799              | 17802              | 17824              |
|                       |                    | S/T                            | 0.41               | 0.48               | 0.54               | 0.54               | 0.62               | 0.43               | 0.51               | 0.58               | 0.58               | 0.66               | 0.46               | 0.54               | 0.61               | 0.61               | 0.70               | 0.49               | 0.57               | 0.65               | 0.65               | 0.74               |
|                       |                    | PI                             | 0.68               | 0.68               | 0.68               | 0.68               | 0.68               | 0.72               | 0.72               | 0.72               | 0.72               | 0.72               | 0.76               | 0.76               | 0.77               | 0.77               | 0.77               | 0.81               | 0.81               | 0.81               | 0.81               | 0.81               |
|                       | 59°F<br>(15.0°C)   | TC                             | 15417              | 15438              | 15455              | 15455              | 15476              | 16347              | 16366              | 16382              | 16385              | 16405              | 17323              | 17346              | 17365              | 17368              | 17388              | 18367              | 18387              | 18407              | 18410              | 18433              |
|                       |                    | S/T                            | 0.41               | 0.48               | 0.55               | 0.55               | 0.62               | 0.44               | 0.51               | 0.58               | 0.58               | 0.66               | 0.46               | 0.54               | 0.62               | 0.62               | 0.70               | 0.49               | 0.57               | 0.65               | 0.65               | 0.74               |
|                       |                    | PI                             | 0.74               | 0.74               | 0.74               | 0.74               | 0.74               | 0.78               | 0.78               | 0.78               | 0.78               | 0.78               | 0.83               | 0.83               | 0.83               | 0.83               | 0.83               | 0.88               | 0.88               | 0.88               | 0.88               | 0.88               |
|                       | 68°F<br>(20.0°C)   | TC                             | 15926              | 15948              | 15965              | 15966              | 15987              | 16886              | 16906              | 16923              | 16926              | 16946              | 17895              | 17918              | 17938              | 17942              | 17962              | 18973              | 18994              | 19015              | 19018              | 19041              |
|                       |                    | S/T                            | 0.42               | 0.49               | 0.56               | 0.56               | 0.64               | 0.45               | 0.52               | 0.60               | 0.60               | 0.68               | 0.47               | 0.56               | 0.63               | 0.63               | 0.72               | 0.50               | 0.59               | 0.67               | 0.67               | 0.76               |
|                       |                    | PI                             | 0.79               | 0.79               | 0.79               | 0.79               | 0.79               | 0.84               | 0.84               | 0.84               | 0.84               | 0.84               | 0.89               | 0.89               | 0.89               | 0.89               | 0.89               | 0.94               | 0.94               | 0.95               | 0.95               | 0.95               |
|                       | 77°F<br>(25.0°C)   | TC                             | 16435              | 16458              | 16475              | 16476              | 16498              | 17426              | 17447              | 17464              | 17467              | 17488              | 18467              | 18491              | 18512              | 18515              | 18536              | 19580              | 19601              | 19622              | 19625              | 19650              |
|                       |                    | S/T                            | 0.43               | 0.50               | 0.57               | 0.57               | 0.65               | 0.45               | 0.53               | 0.60               | 0.60               | 0.69               | 0.48               | 0.56               | 0.64               | 0.64               | 0.73               | 0.51               | 0.60               | 0.68               | 0.68               | 0.77               |
|                       |                    | PI                             | 0.85               | 0.85               | 0.85               | 0.85               | 0.85               | 0.90               | 0.90               | 0.90               | 0.90               | 0.90               | 0.95               | 0.95               | 0.95               | 0.95               | 0.96               | 1.01               | 1.01               | 1.01               | 1.01               | 1.01               |
|                       | 82°F<br>(27.8°C)   | TC                             | 16249              | 16271              | 16288              | 16289              | 16311              | 17228              | 17249              | 17266              | 17269              | 17290              | 18258              | 18281              | 18302              | 18305              | 18326              | 19358              | 19379              | 19400              | 19403              | 19427              |
|                       |                    | S/T                            | 0.43               | 0.51               | 0.58               | 0.58               | 0.66               | 0.46               | 0.54               | 0.61               | 0.61               | 0.70               | 0.49               | 0.57               | 0.65               | 0.65               | 0.74               | 0.52               | 0.60               | 0.69               | 0.69               | 0.78               |
|                       |                    | PI                             | 0.92               | 0.92               | 0.92               | 0.92               | 0.92               | 0.97               | 0.97               | 0.97               | 0.97               | 0.97               | 1.03               | 1.03               | 1.03               | 1.03               | 1.03               | 1.09               | 1.09               | 1.09               | 1.09               | 1.09               |
|                       | 86°F<br>(30.0°C)   | TC                             | 15508              | 15529              | 15546              | 15546              | 15567              | 16443              | 16462              | 16478              | 16482              | 16501              | 17425              | 17448              | 17467              | 17470              | 17490              | 18475              | 18495              | 18515              | 18518              | 18541              |
|                       |                    | S/T                            | 0.44               | 0.51               | 0.58               | 0.58               | 0.67               | 0.46               | 0.54               | 0.62               | 0.62               | 0.71               | 0.49               | 0.58               | 0.66               | 0.66               | 0.75               | 0.52               | 0.61               | 0.70               | 0.70               | 0.79               |
|                       |                    | PI                             | 1.01               | 1.02               | 1.02               | 1.02               | 1.02               | 1.08               | 1.08               | 1.08               | 1.08               | 1.08               | 1.14               | 1.14               | 1.14               | 1.14               | 1.14               | 1.21               | 1.21               | 1.21               | 1.21               | 1                  |

COOLING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 18 (Sheet 3 of 4)

| AIR-<br>FLOW<br>(CFM) | OUTDOOR<br>DB(°F)  | ID WB<br>(°F)<br>ID DB<br>(°F) | 60.8°F (16.0°C)    |                    |                    |                    |                    | 64.4°F (18.0°C)    |                    |                    |                    |                    | 67°F (19.4°C)      |                    |                    |                    |                    | 71.6°F (22.0°C)    |                    |                    |                    |                    |
|-----------------------|--------------------|--------------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                       |                    |                                | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) |
| 352                   | -22°F<br>(-30.0°C) | TC                             | 12095              | 12112              | 12125              | 12125              | 12141              | 12824              | 12839              | 12852              | 12855              | 12870              | 13590              | 13608              | 13623              | 13626              | 13641              | 14409              | 14425              | 14441              | 14443              | 14461              |
|                       |                    | S/T                            | 0.43               | 0.51               | 0.57               | 0.57               | 0.66               | 0.46               | 0.54               | 0.61               | 0.61               | 0.69               | 0.48               | 0.57               | 0.65               | 0.65               | 0.74               | 0.51               | 0.60               | 0.68               | 0.68               | 0.78               |
|                       |                    | PI                             | 0.54               | 0.54               | 0.54               | 0.54               | 0.54               | 0.58               | 0.58               | 0.58               | 0.58               | 0.58               | 0.61               | 0.61               | 0.61               | 0.61               | 0.61               | 0.65               | 0.65               | 0.65               | 0.65               | 0.65               |
|                       | -13°F<br>(-25.0°C) | TC                             | 12484              | 12501              | 12515              | 12515              | 12532              | 13237              | 13252              | 13266              | 13268              | 13284              | 14028              | 14046              | 14061              | 14064              | 14080              | 14873              | 14889              | 14905              | 14907              | 14926              |
|                       |                    | S/T                            | 0.43               | 0.51               | 0.58               | 0.58               | 0.66               | 0.46               | 0.54               | 0.61               | 0.61               | 0.70               | 0.49               | 0.57               | 0.65               | 0.65               | 0.74               | 0.52               | 0.61               | 0.69               | 0.69               | 0.79               |
|                       |                    | PI                             | 0.52               | 0.52               | 0.52               | 0.52               | 0.53               | 0.55               | 0.56               | 0.56               | 0.56               | 0.56               | 0.59               | 0.59               | 0.59               | 0.59               | 0.59               | 0.62               | 0.62               | 0.62               | 0.62               | 0.63               |
|                       | -4°F<br>(-20.0°C)  | TC                             | 13802              | 13820              | 13835              | 13836              | 13854              | 14633              | 14651              | 14665              | 14668              | 14686              | 15508              | 15528              | 15545              | 15548              | 15565              | 16442              | 16460              | 16478              | 16480              | 16501              |
|                       |                    | S/T                            | 0.44               | 0.51               | 0.58               | 0.58               | 0.66               | 0.46               | 0.54               | 0.62               | 0.62               | 0.70               | 0.49               | 0.58               | 0.65               | 0.65               | 0.75               | 0.52               | 0.61               | 0.69               | 0.69               | 0.79               |
|                       |                    | PI                             | 0.60               | 0.60               | 0.60               | 0.60               | 0.60               | 0.64               | 0.64               | 0.64               | 0.64               | 0.64               | 0.68               | 0.68               | 0.68               | 0.68               | 0.68               | 0.72               | 0.72               | 0.72               | 0.72               | 0.72               |
|                       | 0°F<br>(-17.8°C)   | TC                             | 14387              | 14407              | 14422              | 14423              | 14442              | 15254              | 15272              | 15287              | 15290              | 15309              | 16166              | 16187              | 16205              | 16208              | 16226              | 17140              | 17158              | 17177              | 17180              | 17201              |
|                       |                    | S/T                            | 0.44               | 0.51               | 0.58               | 0.58               | 0.67               | 0.46               | 0.54               | 0.62               | 0.62               | 0.71               | 0.49               | 0.58               | 0.66               | 0.66               | 0.75               | 0.52               | 0.61               | 0.70               | 0.70               | 0.79               |
|                       |                    | PI                             | 0.64               | 0.64               | 0.64               | 0.64               | 0.64               | 0.67               | 0.67               | 0.68               | 0.68               | 0.68               | 0.71               | 0.71               | 0.72               | 0.72               | 0.72               | 0.76               | 0.76               | 0.76               | 0.76               | 0.76               |
|                       | 5°F<br>(-15.0°C)   | TC                             | 15119              | 15139              | 15156              | 15156              | 15177              | 16030              | 16049              | 16065              | 16068              | 16087              | 16988              | 17010              | 17029              | 17032              | 17051              | 18011              | 18031              | 18051              | 18053              | 18076              |
|                       |                    | S/T                            | 0.44               | 0.52               | 0.59               | 0.59               | 0.67               | 0.47               | 0.55               | 0.62               | 0.62               | 0.71               | 0.49               | 0.58               | 0.66               | 0.66               | 0.75               | 0.52               | 0.61               | 0.70               | 0.70               | 0.80               |
|                       |                    | PI                             | 0.68               | 0.68               | 0.68               | 0.68               | 0.68               | 0.72               | 0.72               | 0.72               | 0.72               | 0.72               | 0.76               | 0.76               | 0.76               | 0.76               | 0.77               | 0.81               | 0.81               | 0.81               | 0.81               | 0.81               |
|                       | 14°F<br>(-10.0°C)  | TC                             | 15903              | 15925              | 15942              | 15942              | 15964              | 16862              | 16882              | 16898              | 16902              | 16922              | 17869              | 17892              | 17912              | 17915              | 17935              | 18946              | 18966              | 18987              | 18990              | 19013              |
|                       |                    | S/T                            | 0.44               | 0.52               | 0.59               | 0.59               | 0.67               | 0.47               | 0.55               | 0.62               | 0.62               | 0.71               | 0.50               | 0.58               | 0.66               | 0.66               | 0.75               | 0.53               | 0.62               | 0.70               | 0.70               | 0.80               |
|                       |                    | PI                             | 0.53               | 0.53               | 0.53               | 0.53               | 0.53               | 0.57               | 0.57               | 0.57               | 0.57               | 0.57               | 0.60               | 0.60               | 0.60               | 0.60               | 0.60               | 0.63               | 0.64               | 0.64               | 0.64               | 0.64               |
|                       | 17°F<br>(-8.3°C)   | TC                             | 16165              | 16186              | 16204              | 16204              | 16226              | 17139              | 17159              | 17176              | 17179              | 17200              | 18163              | 18186              | 18207              | 18210              | 18230              | 19257              | 19278              | 19299              | 19302              | 19326              |
|                       |                    | S/T                            | 0.44               | 0.52               | 0.59               | 0.59               | 0.67               | 0.47               | 0.55               | 0.63               | 0.63               | 0.71               | 0.50               | 0.58               | 0.66               | 0.66               | 0.76               | 0.53               | 0.62               | 0.70               | 0.70               | 0.80               |
|                       |                    | PI                             | 0.48               | 0.49               | 0.49               | 0.49               | 0.49               | 0.51               | 0.51               | 0.51               | 0.51               | 0.52               | 0.54               | 0.54               | 0.55               | 0.55               | 0.55               | 0.58               | 0.58               | 0.58               | 0.58               | 0.58               |
|                       | 23°F<br>(-5.0°C)   | TC                             | 16334              | 16356              | 16373              | 16374              | 16396              | 17318              | 17339              | 17356              | 17359              | 17380              | 18353              | 18377              | 18397              | 18401              | 18421              | 19459              | 19480              | 19501              | 19504              | 19528              |
|                       |                    | S/T                            | 0.44               | 0.52               | 0.59               | 0.59               | 0.68               | 0.47               | 0.55               | 0.63               | 0.63               | 0.72               | 0.50               | 0.59               | 0.67               | 0.67               | 0.76               | 0.53               | 0.62               | 0.71               | 0.71               | 0.80               |
|                       |                    | PI                             | 0.53               | 0.53               | 0.53               | 0.53               | 0.53               | 0.56               | 0.56               | 0.57               | 0.57               | 0.57               | 0.60               | 0.60               | 0.60               | 0.60               | 0.60               | 0.63               | 0.63               | 0.63               | 0.63               | 0.64               |
|                       | 35°F<br>(1.7°C)    | TC                             | 16672              | 16695              | 16713              | 16713              | 16736              | 17677              | 17698              | 17715              | 17719              | 17740              | 18733              | 18757              | 18778              | 18782              | 18803              | 19862              | 19883              | 19905              | 19908              | 19933              |
|                       |                    | S/T                            | 0.45               | 0.52               | 0.60               | 0.60               | 0.68               | 0.47               | 0.56               | 0.63               | 0.63               | 0.72               | 0.50               | 0.59               | 0.67               | 0.67               | 0.76               | 0.53               | 0.62               | 0.71               | 0.71               | 0.81               |
|                       |                    | PI                             | 0.63               | 0.63               | 0.63               | 0.63               | 0.63               | 0.66               | 0.66               | 0.67               | 0.67               | 0.67               | 0.70               | 0.70               | 0.71               | 0.71               | 0.71               | 0.75               | 0.75               | 0.75               | 0.75               | 0.75               |
|                       | 41°F<br>(5.0°C)    | TC                             | 16472              | 16494              | 16512              | 16513              | 16535              | 17465              | 17485              | 17503              | 17506              | 17527              | 18508              | 18532              | 18553              | 18556              | 18577              | 19623              | 19644              | 19666              | 19669              | 19693              |
|                       |                    | S/T                            | 0.45               | 0.53               | 0.60               | 0.60               | 0.68               | 0.47               | 0.56               | 0.63               | 0.63               | 0.72               | 0.50               | 0.59               | 0.67               | 0.67               | 0.76               | 0.53               | 0.63               | 0.71               | 0.71               | 0.81               |
|                       |                    | PI                             | 0.68               | 0.68               | 0.68               | 0.68               | 0.68               | 0.72               | 0.72               | 0.72               | 0.72               | 0.72               | 0.76               | 0.76               | 0.76               | 0.76               | 0.76               | 0.81               | 0.81               | 0.81               | 0.81               | 0.81               |
|                       | 47°F<br>(8.3°C)    | TC                             | 16272              | 16293              | 16311              | 16312              | 16334              | 17252              | 17273              | 17290              | 17293              | 17314              | 18283              | 18307              | 18327              | 18330              | 18351              | 19385              | 19406              | 19427              | 19430              | 19454              |
|                       |                    | S/T                            | 0.45               | 0.53               | 0.60               | 0.60               | 0.68               | 0.48               | 0.56               | 0.63               | 0.63               | 0.72               | 0.50               | 0.59               | 0.67               | 0.67               | 0.77               | 0.53               | 0.63               | 0.71               | 0.71               | 0.81               |
|                       |                    | PI                             | 0.73               | 0.73               | 0.73               | 0.73               | 0.73               | 0.77               | 0.77               | 0.77               | 0.77               | 0.78               | 0.82               | 0.82               | 0.82               | 0.82               | 0.82               | 0.87               | 0.87               | 0.87               | 0.87               | 0.87               |
|                       | 50°F<br>(10.0°C)   | TC                             | 16459              | 16481              | 16499              | 16500              | 16522              | 17451              | 17471              | 17489              | 17492              | 17513              | 18493              | 18517              | 18538              | 18542              | 18562              | 19608              | 19629              | 19650              | 19653              | 19678              |
|                       |                    | S/T                            | 0.45               | 0.53               | 0.60               | 0.60               | 0.69               | 0.48               | 0.56               | 0.64               | 0.64               | 0.73               | 0.51               | 0.59               | 0.68               | 0.68               | 0.77               | 0.54               | 0.63               | 0.72               | 0.72               | 0.82               |
|                       |                    | PI                             | 0.75               | 0.75               | 0.75               | 0.75               | 0.75               | 0.80               | 0.80               | 0.80               | 0.80               | 0.80               | 0.84               | 0.84               | 0.84               | 0.84               | 0.85               | 0.89               | 0.89               | 0.90               | 0.90               | 0.90               |
|                       | 59°F<br>(15.0°C)   | TC                             | 17021              | 17044              | 17062              | 17063              | 17086              | 18047              | 18068              | 18086              | 18089              | 18111              | 19125              | 19150              | 19171              | 19175              | 19196              | 20277              | 20299              | 20321              | 20324              | 20350              |
|                       |                    | S/T                            | 0.45               | 0.53               | 0.60               | 0.60               | 0.69               | 0.48               | 0.56               | 0.64               | 0.64               | 0.73               | 0.51               | 0.60               | 0.68               | 0.68               | 0.77               | 0.54               | 0.63               | 0.72               | 0.72               | 0.82               |
|                       |                    | PI                             | 0.81               | 0.81               | 0.81               | 0.81               | 0.81               | 0.86               | 0.86               | 0.86               | 0.86               | 0.86               | 0.91               | 0.91               | 0.91               | 0.91               | 0.92               | 0.97               | 0.97               | 0.97               | 0.97               | 0.97               |
|                       | 68°F<br>(20.0°C)   | TC                             | 17583              | 17606              | 17625              | 17626              | 17650              | 18642              | 18665              | 18683              | 18687              | 18709              | 19756              | 19782              | 19804              | 19808              | 19830              | 20947              | 20969              | 20992              | 20995              | 21022              |
|                       |                    | S/T                            | 0.47               | 0.55               | 0.62               | 0.62               | 0.71               | 0.49               | 0.58               | 0.66               | 0.66               | 0.75               | 0.52               | 0.61               | 0.70               | 0.70               | 0.80               | 0.55               | 0.65               | 0.74               | 0.74               | 0.84               |
|                       |                    | PI                             | 0.87               | 0.88               | 0.88               | 0.88               | 0.88               | 0.93               | 0.93               | 0.93               | 0.93               | 0.93               | 0.98               | 0.98               | 0.98               | 0.98               | 0.99               | 1.04               | 1.04               | 1.04               | 1.04               | 1.04               |
|                       | 77°F<br>(25.0°C)   | TC                             | 18145              | 18169              | 18189              | 18190              | 18214              | 19238              | 19261              | 19280              | 19284              | 19307              | 20388              | 20414              | 20437              | 20441              | 20464              | 21616              | 21640              | 21663              | 21666              | 21693              |
|                       |                    | S/T                            | 0.47               | 0.55               | 0.63               | 0.63               | 0.72               | 0.50               | 0.59               | 0.67               | 0.67               | 0.76               | 0.53               | 0.62               | 0.71               | 0.71               | 0.81               | 0.56               | 0.66               | 0.75               | 0.75               | 0.85               |
|                       |                    | PI                             | 0.94               | 0.94               | 0.94               | 0.94               | 0.94               | 0.99               | 0.99               | 0.99               | 0.99               | 1.00               | 1.05               | 1.05               | 1.05               | 1.05               | 1.06               | 1.11               | 1.12               | 1.12               | 1.12               | 1.12               |
|                       | 82°F<br>(27.8°C)   | TC                             | 17939              | 17963              | 17983              | 17983              | 18008              | 19020              | 19043              | 19061              | 19065              | 19088              | 20156              | 20183              | 20205              | 20209              | 20231              | 21371              | 21394              | 21417              | 21421              | 21447              |
|                       |                    | S/T                            | 0.48               | 0.56               | 0.64               | 0.64               | 0.73               | 0.51               | 0.59               | 0.68               | 0.68               | 0.77               | 0.54               | 0.63               | 0.72               | 0.72               | 0.82               | 0.57               | 0.67               | 0.76               | 0.76               | 0.86               |
|                       |                    | PI                             | 1.01               | 1.01               | 1.01               | 1.01               | 1.01               | 1.07               | 1.07               | 1.07               | 1.07               | 1.07               | 1.14               | 1.14               | 1.14               | 1.14               | 1.14               | 1.20               | 1.20               | 1.21               | 1.21               | 1.21               |
|                       | 86°F<br>(30.0°C)   | TC                             | 17121              | 17144              | 17162              | 17163              | 17186              | 18153              | 18174              | 18192              | 18196              | 18217              | 19237              | 19262              | 19284              | 19287              | 19309              | 20396              | 20418              | 20441              | 20444              | 20469              |
|                       |                    | S/T                            | 0.48               | 0.57               | 0.64               | 0.64               | 0.74               | 0.51               | 0.60               | 0.68               | 0.68               | 0.78               | 0.54               | 0.64               | 0.72               | 0.72               | 0.83               | 0.58               | 0.68               | 0.77               | 0.77               | 0.88               |
|                       |                    | PI                             | 1.12               | 1.12               | 1.12               | 1.12               | 1.12               | 1.19               | 1.19               | 1.19               | 1.19               | 1.19               | 1.26               | 1.26               | 1.26               | 1.26               | 1.26               | 1.33               | 1.34               | 1.34               | 1                  |                    |

COOLING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 18 (Sheet 4 of 4)

| AIR-<br>FLOW<br>(CFM) | OUTDOOR<br>DB(°F)  | ID WB<br>(°F)<br>ID DB<br>(°F) | 60.8°F (16.0°C)    |                    |                    |                    |                    | 64.4°F (18.0°C)    |                    |                    |                    |                    | 67°F (19.4°C)      |                    |                    |                    |                    | 71.6°F (22.0°C)    |                    |                    |                    |                    |
|-----------------------|--------------------|--------------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                       |                    |                                | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) |
|                       |                    |                                | TC                 | S/T                | PI                 | TC                 | S/T                | PI                 | TC                 | S/T                | PI                 | TC                 | S/T                | PI                 | TC                 | S/T                | PI                 | TC                 | S/T                | PI                 | TC                 | S/T                |
| 400                   | -22°F<br>(-30.0°C) | TC                             | 13353              | 13371              | 13386              | 13386              | 13404              | 14158              | 14175              | 14189              | 14191              | 14208              | 15004              | 15023              | 15040              | 15043              | 15060              | 15908              | 15925              | 15942              | 15945              | 15965              |
|                       |                    | S/T                            | 0.48               | 0.56               | 0.63               | 0.63               | 0.72               | 0.50               | 0.59               | 0.67               | 0.67               | 0.77               | 0.53               | 0.63               | 0.71               | 0.71               | 0.81               | 0.57               | 0.67               | 0.76               | 0.76               | 0.86               |
|                       |                    | PI                             | 0.60               | 0.60               | 0.60               | 0.60               | 0.60               | 0.64               | 0.64               | 0.64               | 0.64               | 0.64               | 0.67               | 0.67               | 0.68               | 0.68               | 0.68               | 0.71               | 0.71               | 0.72               | 0.72               | 0.72               |
|                       | -13°F<br>(-25.0°C) | TC                             | 13783              | 13801              | 13816              | 13817              | 13835              | 14613              | 14631              | 14645              | 14648              | 14665              | 15487              | 15507              | 15524              | 15527              | 15544              | 16420              | 16437              | 16455              | 16458              | 16478              |
|                       |                    | S/T                            | 0.48               | 0.56               | 0.64               | 0.64               | 0.73               | 0.51               | 0.60               | 0.68               | 0.68               | 0.77               | 0.54               | 0.63               | 0.72               | 0.72               | 0.82               | 0.57               | 0.67               | 0.76               | 0.76               | 0.87               |
|                       |                    | PI                             | 0.58               | 0.58               | 0.58               | 0.58               | 0.58               | 0.61               | 0.61               | 0.61               | 0.61               | 0.61               | 0.65               | 0.65               | 0.65               | 0.65               | 0.65               | 0.69               | 0.69               | 0.69               | 0.69               | 0.69               |
|                       | -4°F<br>(-20.0°C)  | TC                             | 15237              | 15258              | 15274              | 15275              | 15295              | 16155              | 16175              | 16191              | 16194              | 16213              | 17121              | 17143              | 17162              | 17165              | 17184              | 18152              | 18172              | 18192              | 18195              | 18217              |
|                       |                    | S/T                            | 0.48               | 0.57               | 0.64               | 0.64               | 0.73               | 0.51               | 0.60               | 0.68               | 0.68               | 0.78               | 0.54               | 0.64               | 0.72               | 0.72               | 0.82               | 0.57               | 0.67               | 0.77               | 0.77               | 0.87               |
|                       |                    | PI                             | 0.66               | 0.66               | 0.66               | 0.66               | 0.67               | 0.70               | 0.70               | 0.70               | 0.70               | 0.71               | 0.75               | 0.75               | 0.75               | 0.75               | 0.75               | 0.79               | 0.79               | 0.79               | 0.79               | 0.79               |
|                       | 0°F<br>(-17.8°C)   | TC                             | 15884              | 15905              | 15922              | 15923              | 15944              | 16841              | 16861              | 16877              | 16881              | 16901              | 17847              | 17870              | 17890              | 17893              | 17913              | 18922              | 18943              | 18963              | 18966              | 18990              |
|                       |                    | S/T                            | 0.48               | 0.57               | 0.64               | 0.64               | 0.73               | 0.51               | 0.60               | 0.68               | 0.68               | 0.78               | 0.54               | 0.64               | 0.72               | 0.72               | 0.83               | 0.58               | 0.68               | 0.77               | 0.77               | 0.88               |
|                       |                    | PI                             | 0.70               | 0.70               | 0.70               | 0.70               | 0.70               | 0.74               | 0.74               | 0.75               | 0.75               | 0.75               | 0.79               | 0.79               | 0.79               | 0.79               | 0.79               | 0.84               | 0.84               | 0.84               | 0.84               | 0.84               |
|                       | 5°F<br>(-15.0°C)   | TC                             | 16691              | 16714              | 16732              | 16733              | 16755              | 17697              | 17718              | 17736              | 17739              | 17760              | 18755              | 18779              | 18800              | 18803              | 18824              | 19885              | 19906              | 19928              | 19931              | 19956              |
|                       |                    | S/T                            | 0.49               | 0.57               | 0.65               | 0.65               | 0.74               | 0.51               | 0.60               | 0.69               | 0.69               | 0.78               | 0.55               | 0.64               | 0.73               | 0.73               | 0.83               | 0.58               | 0.68               | 0.77               | 0.77               | 0.88               |
|                       |                    | PI                             | 0.75               | 0.75               | 0.75               | 0.75               | 0.75               | 0.79               | 0.80               | 0.80               | 0.80               | 0.80               | 0.84               | 0.84               | 0.84               | 0.84               | 0.84               | 0.89               | 0.89               | 0.89               | 0.89               | 0.90               |
|                       | 14°F<br>(-10.0°C)  | TC                             | 17557              | 17581              | 17600              | 17601              | 17624              | 18615              | 18637              | 18656              | 18659              | 18682              | 19727              | 19753              | 19775              | 19779              | 19801              | 20916              | 20939              | 20962              | 20965              | 20991              |
|                       |                    | S/T                            | 0.49               | 0.57               | 0.65               | 0.65               | 0.74               | 0.52               | 0.61               | 0.69               | 0.69               | 0.78               | 0.55               | 0.64               | 0.73               | 0.73               | 0.83               | 0.58               | 0.68               | 0.77               | 0.77               | 0.88               |
|                       |                    | PI                             | 0.59               | 0.59               | 0.59               | 0.59               | 0.59               | 0.62               | 0.62               | 0.63               | 0.63               | 0.63               | 0.66               | 0.66               | 0.66               | 0.66               | 0.66               | 0.70               | 0.70               | 0.70               | 0.70               | 0.70               |
|                       | 17°F<br>(-8.3°C)   | TC                             | 17846              | 17870              | 17889              | 17890              | 17914              | 18921              | 18944              | 18962              | 18966              | 18989              | 20052              | 20078              | 20100              | 20104              | 20126              | 21260              | 21283              | 21306              | 21309              | 21336              |
|                       |                    | S/T                            | 0.49               | 0.57               | 0.65               | 0.65               | 0.74               | 0.52               | 0.61               | 0.69               | 0.69               | 0.79               | 0.55               | 0.64               | 0.73               | 0.73               | 0.83               | 0.58               | 0.68               | 0.78               | 0.78               | 0.88               |
|                       |                    | PI                             | 0.53               | 0.54               | 0.54               | 0.54               | 0.54               | 0.57               | 0.57               | 0.57               | 0.57               | 0.57               | 0.60               | 0.60               | 0.60               | 0.60               | 0.60               | 0.64               | 0.64               | 0.64               | 0.64               | 0.64               |
|                       | 23°F<br>(-5.0°C)   | TC                             | 18033              | 18057              | 18076              | 18077              | 18101              | 19119              | 19142              | 19161              | 19165              | 19187              | 20262              | 20288              | 20310              | 20314              | 20337              | 21482              | 21506              | 21529              | 21532              | 21559              |
|                       |                    | S/T                            | 0.49               | 0.58               | 0.65               | 0.65               | 0.75               | 0.52               | 0.61               | 0.69               | 0.69               | 0.79               | 0.55               | 0.65               | 0.74               | 0.74               | 0.84               | 0.58               | 0.69               | 0.78               | 0.78               | 0.89               |
|                       |                    | PI                             | 0.59               | 0.59               | 0.59               | 0.59               | 0.59               | 0.62               | 0.62               | 0.62               | 0.62               | 0.62               | 0.66               | 0.66               | 0.66               | 0.66               | 0.66               | 0.70               | 0.70               | 0.70               | 0.70               | 0.70               |
|                       | 35°F<br>(1.7°C)    | TC                             | 18406              | 18431              | 18451              | 18452              | 18477              | 19515              | 19539              | 19558              | 19562              | 19585              | 20681              | 20708              | 20731              | 20735              | 20758              | 21927              | 21951              | 21975              | 21979              | 22006              |
|                       |                    | S/T                            | 0.49               | 0.58               | 0.66               | 0.66               | 0.75               | 0.52               | 0.61               | 0.70               | 0.70               | 0.79               | 0.55               | 0.65               | 0.74               | 0.74               | 0.84               | 0.59               | 0.69               | 0.78               | 0.78               | 0.89               |
|                       |                    | PI                             | 0.69               | 0.69               | 0.69               | 0.69               | 0.69               | 0.73               | 0.73               | 0.73               | 0.74               | 0.74               | 0.78               | 0.78               | 0.78               | 0.78               | 0.78               | 0.82               | 0.82               | 0.83               | 0.83               | 0.83               |
|                       | 41°F<br>(5.0°C)    | TC                             | 18185              | 18210              | 18229              | 18230              | 18255              | 19281              | 19304              | 19323              | 19327              | 19350              | 20433              | 20459              | 20482              | 20486              | 20509              | 21664              | 21688              | 21711              | 21715              | 21742              |
|                       |                    | S/T                            | 0.49               | 0.58               | 0.66               | 0.66               | 0.75               | 0.52               | 0.61               | 0.70               | 0.70               | 0.80               | 0.56               | 0.65               | 0.74               | 0.74               | 0.84               | 0.59               | 0.69               | 0.78               | 0.78               | 0.89               |
|                       |                    | PI                             | 0.75               | 0.75               | 0.75               | 0.75               | 0.75               | 0.79               | 0.79               | 0.80               | 0.80               | 0.80               | 0.84               | 0.84               | 0.84               | 0.84               | 0.84               | 0.89               | 0.89               | 0.89               | 0.89               | 0.89               |
|                       | 47°F<br>(8.3°C)    | TC                             | 17964              | 17988              | 18007              | 18008              | 18033              | 19046              | 19069              | 19088              | 19092              | 19114              | 20184              | 20211              | 20233              | 20237              | 20260              | 21401              | 21424              | 21447              | 21450              | 21477              |
|                       |                    | S/T                            | 0.50               | 0.58               | 0.66               | 0.66               | 0.75               | 0.53               | 0.62               | 0.70               | 0.70               | 0.80               | 0.56               | 0.65               | 0.74               | 0.74               | 0.85               | 0.59               | 0.69               | 0.79               | 0.79               | 0.90               |
|                       |                    | PI                             | 0.81               | 0.81               | 0.81               | 0.81               | 0.81               | 0.85               | 0.85               | 0.86               | 0.86               | 0.86               | 0.90               | 0.91               | 0.91               | 0.91               | 0.91               | 0.96               | 0.96               | 0.96               | 0.96               | 0.96               |
|                       | 50°F<br>(10.0°C)   | TC                             | 18171              | 18195              | 18215              | 18216              | 18240              | 19266              | 19289              | 19308              | 19311              | 19334              | 20417              | 20443              | 20466              | 20470              | 20493              | 21647              | 21670              | 21694              | 21697              | 21724              |
|                       |                    | S/T                            | 0.50               | 0.58               | 0.66               | 0.66               | 0.76               | 0.53               | 0.62               | 0.70               | 0.70               | 0.80               | 0.56               | 0.66               | 0.75               | 0.75               | 0.85               | 0.59               | 0.70               | 0.79               | 0.79               | 0.90               |
|                       |                    | PI                             | 0.83               | 0.83               | 0.83               | 0.83               | 0.83               | 0.88               | 0.88               | 0.88               | 0.88               | 0.88               | 0.93               | 0.93               | 0.93               | 0.93               | 0.93               | 0.99               | 0.99               | 0.99               | 0.99               | 0.99               |
|                       | 59°F<br>(15.0°C)   | TC                             | 18791              | 18816              | 18837              | 18837              | 18863              | 19924              | 19947              | 19967              | 19971              | 19995              | 21114              | 21141              | 21165              | 21169              | 21192              | 22386              | 22410              | 22435              | 22438              | 22466              |
|                       |                    | S/T                            | 0.50               | 0.59               | 0.67               | 0.67               | 0.76               | 0.53               | 0.62               | 0.71               | 0.71               | 0.81               | 0.56               | 0.66               | 0.75               | 0.75               | 0.86               | 0.60               | 0.70               | 0.80               | 0.80               | 0.91               |
|                       |                    | PI                             | 0.90               | 0.90               | 0.90               | 0.90               | 0.90               | 0.95               | 0.95               | 0.95               | 0.95               | 0.95               | 1.01               | 1.01               | 1.01               | 1.01               | 1.01               | 1.07               | 1.07               | 1.07               | 1.07               | 1.07               |
|                       | 68°F<br>(20.0°C)   | TC                             | 19412              | 19438              | 19459              | 19459              | 19486              | 20581              | 20606              | 20626              | 20630              | 20655              | 21811              | 21839              | 21864              | 21868              | 21892              | 23125              | 23150              | 23175              | 23179              | 23208              |
|                       |                    | S/T                            | 0.51               | 0.60               | 0.69               | 0.69               | 0.78               | 0.54               | 0.64               | 0.73               | 0.73               | 0.83               | 0.58               | 0.68               | 0.77               | 0.77               | 0.88               | 0.61               | 0.72               | 0.82               | 0.82               | 0.93               |
|                       |                    | PI                             | 0.96               | 0.97               | 0.97               | 0.97               | 0.97               | 1.02               | 1.02               | 1.03               | 1.03               | 1.03               | 1.08               | 1.09               | 1.09               | 1.09               | 1.09               | 1.15               | 1.15               | 1.15               | 1.15               | 1.15               |
|                       | 77°F<br>(25.0°C)   | TC                             | 20032              | 20059              | 20080              | 20081              | 20108              | 21239              | 21264              | 21285              | 21290              | 21315              | 22508              | 22537              | 22562              | 22567              | 22592              | 23864              | 23890              | 23916              | 23920              | 23950              |
|                       |                    | S/T                            | 0.52               | 0.61               | 0.69               | 0.69               | 0.79               | 0.55               | 0.65               | 0.74               | 0.74               | 0.84               | 0.59               | 0.69               | 0.78               | 0.78               | 0.89               | 0.62               | 0.73               | 0.83               | 0.83               | 0.94               |
|                       |                    | PI                             | 1.03               | 1.03               | 1.04               | 1.04               | 1.04               | 1.10               | 1.10               | 1.10               | 1.10               | 1.10               | 1.16               | 1.16               | 1.16               | 1.16               | 1.17               | 1.23               | 1.23               | 1.23               | 1.23               | 1.24               |
|                       | 82°F<br>(27.8°C)   | TC                             | 19805              | 19831              | 19853              | 19854              | 19880              | 20998              | 21023              | 21044              | 21048              | 21073              | 22253              | 22282              | 22307              | 22311              | 22336              | 23594              | 23619              | 23645              | 23649              | 23678              |
|                       |                    | S/T                            | 0.53               | 0.62               | 0.70               | 0.70               | 0.80               | 0.56               | 0.66               | 0.75               | 0.75               | 0.85               | 0.59               | 0.70               | 0.79               | 0.79               | 0.90               | 0.63               | 0.74               | 0.84               | 0.84               | 0.95               |
|                       |                    | PI                             | 1.12               | 1.12               | 1.12               | 1.12               | 1.12               | 1.18               | 1.18               | 1.19               | 1.19               | 1.19               | 1.25               | 1.25               | 1.26               | 1.26               | 1.26               | 1.33               | 1.33               | 1.33               | 1.33               | 1.33               |
|                       | 86°F<br>(30.0°C)   | TC                             | 18901              | 18927              | 18947              | 18948              | 18974              | 20041              | 20064              | 20084              | 20088              | 20112              | 21238              | 21265              | 21289              | 21293              | 21317              | 22517              | 22542              | 22567              | 22570              | 22598              |
|                       |                    | S/T                            | 0.53               | 0.63               | 0.71               | 0.71               | 0.81               | 0.57               | 0.66               | 0.75               | 0.75               | 0.86               | 0.60               | 0.70               | 0.80               | 0.80               | 0.91               | 0.64               | 0.75               | 0.85               | 0.85               | 0.97               |
|                       |                    | PI                             | 1.24               | 1.24               | 1.24               | 1.24               |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |

**Table 30 — One-Way Cassette Heating Performance (18K)**

HEATING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 18 (Sheet 1 of 2)

| AIRFLOW<br>(CFM) | OUTDOOR<br>DB (°F) | TC: Total Heating Capacity (BTU/hr) |                  |                  |                    |                    | PI: Power Input (kW)      |                  |                  |                    |                    |
|------------------|--------------------|-------------------------------------|------------------|------------------|--------------------|--------------------|---------------------------|------------------|------------------|--------------------|--------------------|
|                  |                    | Indoor Conditions DB (°F)           |                  |                  |                    |                    | Indoor Conditions (DB °F) |                  |                  |                    |                    |
|                  |                    | 60.8°F<br>(16.0°C)                  | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) | 60.8°F<br>(16.0°C)        | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) |
| 207              | -22°F(-30.0°C)     | 6962                                | 6823             | 6789             | 6613               | 6554               | 1.84                      | 1.86             | 1.86             | 1.87               | 1.87               |
|                  | -13°F(-25.0°C)     | 8384                                | 8216             | 8175             | 7658               | 7589               | 2.00                      | 2.01             | 2.02             | 2.02               | 2.03               |
|                  | -4°F(-20.0°C)      | 11051                               | 10830            | 10776            | 10094              | 10003              | 2.21                      | 2.22             | 2.23             | 2.23               | 2.24               |
|                  | 0°F(-17.8°C)       | 12067                               | 11826            | 11767            | 11022              | 10923              | 2.38                      | 2.40             | 2.41             | 2.41               | 2.42               |
|                  | 5°F(-15.0°C)       | 13338                               | 13071            | 13005            | 12183              | 12073              | 2.61                      | 2.63             | 2.63             | 2.64               | 2.65               |
|                  | 14°F(-10.0°C)      | 14081                               | 13799            | 13730            | 12861              | 12746              | 2.59                      | 2.61             | 2.61             | 2.62               | 2.63               |
|                  | 17°F(-8.3°C)       | 14328                               | 14042            | 13972            | 13088              | 12970              | 2.58                      | 2.60             | 2.61             | 2.61               | 2.62               |
|                  | 22°F(-5.6°C)       | 14514                               | 14224            | 14153            | 13257              | 13138              | 2.43                      | 2.45             | 2.45             | 2.46               | 2.47               |
|                  | 27°F(-2.8°C)       | 14700                               | 14406            | 14334            | 13427              | 13306              | 2.27                      | 2.29             | 2.29             | 2.30               | 2.31               |
|                  | 32°F(0.0°C)        | 14885                               | 14588            | 14515            | 13596              | 13474              | 2.12                      | 2.13             | 2.14             | 2.14               | 2.15               |
|                  | 35°F(1.7°C)        | 14997                               | 14697            | 14623            | 13698              | 13575              | 2.02                      | 2.04             | 2.04             | 2.05               | 2.05               |
|                  | 37°F(2.8°C)        | 15317                               | 15011            | 14936            | 13991              | 13865              | 2.00                      | 2.02             | 2.02             | 2.03               | 2.04               |
|                  | 42°F(5.6°C)        | 16118                               | 15796            | 15717            | 14723              | 14590              | 1.96                      | 1.97             | 1.98             | 1.98               | 1.99               |
|                  | 44.6°F(7.0°C)      | 16439                               | 16110            | 16030            | 15015              | 14880              | 1.94                      | 1.95             | 1.96             | 1.96               | 1.97               |
|                  | 47°F(8.3°C)        | 16920                               | 16581            | 16498            | 15454              | 15315              | 1.91                      | 1.93             | 1.93             | 1.93               | 1.94               |
|                  | 52°F(11.1°C)       | 16116                               | 15794            | 15715            | 14720              | 14588              | 1.66                      | 1.68             | 1.68             | 1.68               | 1.69               |
|                  | 57°F(13.9°C)       | 15312                               | 15006            | 14931            | 13986              | 13860              | 1.41                      | 1.43             | 1.43             | 1.43               | 1.44               |
|                  | 59°F(15.0°C)       | 14991                               | 14691            | 14617            | 13692              | 13569              | 1.31                      | 1.33             | 1.33             | 1.33               | 1.34               |
|                  | 62°F(16.7°C)       | 14508                               | 14218            | 14147            | 13252              | 13133              | 1.17                      | 1.17             | 1.18             | 1.18               | 1.18               |
|                  | 64.4°F(18.0°C)     | 14187                               | 13903            | 13834            | 12958              | 12842              | 1.07                      | 1.07             | 1.08             | 1.08               | 1.08               |
| 300              | -22°F(-30.0°C)     | 7838                                | 7681             | 7643             | 7529               | 7461               | 1.86                      | 1.88             | 1.88             | 1.89               | 1.89               |
|                  | -13°F(-25.0°C)     | 9256                                | 9070             | 9025             | 8717               | 8639               | 2.02                      | 2.03             | 2.04             | 2.04               | 2.05               |
|                  | -4°F(-20.0°C)      | 12201                               | 11956            | 11897            | 11491              | 11388              | 2.23                      | 2.25             | 2.25             | 2.26               | 2.26               |
|                  | 0°F(-17.8°C)       | 13322                               | 13056            | 12991            | 12548              | 12435              | 2.41                      | 2.43             | 2.43             | 2.44               | 2.45               |
|                  | 5°F(-15.0°C)       | 14725                               | 14430            | 14358            | 13869              | 13744              | 2.63                      | 2.65             | 2.66             | 2.67               | 2.68               |
|                  | 14°F(-10.0°C)      | 15545                               | 15234            | 15158            | 14641              | 14510              | 2.61                      | 2.64             | 2.64             | 2.65               | 2.66               |
|                  | 17°F(-8.3°C)       | 15819                               | 15502            | 15425            | 14899              | 14765              | 2.61                      | 2.63             | 2.63             | 2.64               | 2.65               |
|                  | 22°F(-5.6°C)       | 16024                               | 15703            | 15625            | 15092              | 14956              | 2.45                      | 2.47             | 2.48             | 2.48               | 2.49               |
|                  | 27°F(-2.8°C)       | 16229                               | 15904            | 15824            | 15285              | 15147              | 2.29                      | 2.31             | 2.32             | 2.32               | 2.33               |
|                  | 32°F(0.0°C)        | 16434                               | 16105            | 16024            | 15478              | 15339              | 2.14                      | 2.15             | 2.16             | 2.16               | 2.17               |
|                  | 35°F(1.7°C)        | 16557                               | 16225            | 16144            | 15594              | 15454              | 2.04                      | 2.06             | 2.06             | 2.07               | 2.08               |
|                  | 37°F(2.8°C)        | 16910                               | 16572            | 16489            | 15927              | 15784              | 2.02                      | 2.04             | 2.04             | 2.05               | 2.06               |
|                  | 42°F(5.6°C)        | 17795                               | 17439            | 17352            | 16760              | 16609              | 1.98                      | 1.99             | 2.00             | 2.00               | 2.01               |
|                  | 44.6°F(7.0°C)      | 18149                               | 17786            | 17697            | 17093              | 16940              | 1.96                      | 1.97             | 1.98             | 1.98               | 1.99               |
|                  | 47°F(8.3°C)        | 18679                               | 18306            | 18214            | 17593              | 17435              | 1.93                      | 1.95             | 1.95             | 1.95               | 1.96               |
|                  | 52°F(11.1°C)       | 17792                               | 17436            | 17349            | 16758              | 16607              | 1.68                      | 1.69             | 1.70             | 1.70               | 1.71               |
|                  | 57°F(13.9°C)       | 16905                               | 16567            | 16484            | 15922              | 15778              | 1.43                      | 1.44             | 1.44             | 1.45               | 1.45               |
|                  | 59°F(15.0°C)       | 16550                               | 16219            | 16138            | 15587              | 15447              | 1.33                      | 1.34             | 1.34             | 1.34               | 1.35               |
|                  | 62°F(16.7°C)       | 16017                               | 15697            | 15618            | 15086              | 14950              | 1.18                      | 1.19             | 1.19             | 1.19               | 1.20               |
|                  | 64.4°F(18.0°C)     | 15662                               | 15349            | 15272            | 14752              | 14619              | 1.08                      | 1.09             | 1.09             | 1.09               | 1.09               |
| 352              | -22°F(-30.0°C)     | 8825                                | 8648             | 8605             | 8571               | 8493               | 1.88                      | 1.90             | 1.90             | 1.90               | 1.91               |
|                  | -13°F(-25.0°C)     | 10218                               | 10014            | 9964             | 9924               | 9835               | 2.04                      | 2.06             | 2.06             | 2.06               | 2.07               |
|                  | -4°F(-20.0°C)      | 13469                               | 13200            | 13134            | 13081              | 12964              | 2.25                      | 2.27             | 2.27             | 2.28               | 2.29               |
|                  | 0°F(-17.8°C)       | 14708                               | 14414            | 14342            | 14284              | 14156              | 2.43                      | 2.45             | 2.46             | 2.46               | 2.47               |
|                  | 5°F(-15.0°C)       | 16256                               | 15931            | 15851            | 15788              | 15646              | 2.66                      | 2.68             | 2.69             | 2.69               | 2.70               |
|                  | 14°F(-10.0°C)      | 17162                               | 16819            | 16735            | 16668              | 16518              | 2.64                      | 2.66             | 2.67             | 2.67               | 2.68               |
|                  | 17°F(-8.3°C)       | 17464                               | 17115            | 17029            | 16961              | 16808              | 2.63                      | 2.66             | 2.66             | 2.67               | 2.68               |
|                  | 22°F(-5.6°C)       | 17690                               | 17336            | 17250            | 17181              | 17026              | 2.48                      | 2.50             | 2.50             | 2.51               | 2.52               |
|                  | 27°F(-2.8°C)       | 17916                               | 17558            | 17470            | 17400              | 17244              | 2.32                      | 2.34             | 2.34             | 2.34               | 2.35               |
|                  | 32°F(0.0°C)        | 18143                               | 17780            | 17691            | 17620              | 17462              | 2.16                      | 2.18             | 2.18             | 2.18               | 2.19               |
|                  | 35°F(1.7°C)        | 18278                               | 17913            | 17823            | 17752              | 17592              | 2.06                      | 2.08             | 2.08             | 2.09               | 2.10               |
|                  | 37°F(2.8°C)        | 18669                               | 18296            | 18204            | 18131              | 17968              | 2.04                      | 2.06             | 2.06             | 2.07               | 2.08               |
|                  | 42°F(5.6°C)        | 19646                               | 19253            | 19156            | 19080              | 18908              | 2.00                      | 2.01             | 2.02             | 2.02               | 2.03               |
|                  | 44.6°F(7.0°C)      | 20036                               | 19635            | 19537            | 19459              | 19284              | 1.98                      | 1.99             | 2.00             | 2.00               | 2.01               |
|                  | 47°F(8.3°C)        | 20622                               | 20210            | 20109            | 20028              | 19848              | 1.95                      | 1.97             | 1.97             | 1.97               | 1.98               |
|                  | 52°F(11.1°C)       | 19642                               | 19250            | 19153            | 19077              | 18905              | 1.70                      | 1.71             | 1.71             | 1.72               | 1.72               |
|                  | 57°F(13.9°C)       | 18663                               | 18290            | 18198            | 18125              | 17962              | 1.44                      | 1.45             | 1.46             | 1.46               | 1.47               |
|                  | 59°F(15.0°C)       | 18271                               | 17906            | 17816            | 17745              | 17585              | 1.34                      | 1.35             | 1.35             | 1.36               | 1.36               |
|                  | 62°F(16.7°C)       | 17683                               | 17330            | 17243            | 17174              | 17019              | 1.19                      | 1.20             | 1.20             | 1.20               | 1.21               |
|                  | 64.4°F(18.0°C)     | 17291                               | 16945            | 16861            | 16793              | 16642              | 1.09                      | 1.10             | 1.10             | 1.10               | 1.11               |

## HEATING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 18 (Sheet 2 of 2)

| AIRFLOW<br>(CFM) | OUTDOOR<br>DB (°F) | TC: Total Heating Capacity (BTU/hr) |                  |                  |                    |                    | PI: Power Input (kW)      |                  |                  |                    |                    |
|------------------|--------------------|-------------------------------------|------------------|------------------|--------------------|--------------------|---------------------------|------------------|------------------|--------------------|--------------------|
|                  |                    | Indoor Conditions DB °F)            |                  |                  |                    |                    | Indoor Conditions (DB °F) |                  |                  |                    |                    |
|                  |                    | 60.8°F<br>(16.0°C)                  | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) | 60.8°F<br>(16.0°C)        | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) |
| 400              | -22°F(-30.0°C)     | 9743                                | 9548             | 9500             | 9462               | 9377               | 1.90                      | 1.92             | 1.92             | 1.92               | 1.93               |
|                  | -13°F(-25.0°C)     | 11281                               | 11055            | 11000            | 10956              | 10857              | 2.06                      | 2.08             | 2.08             | 2.08               | 2.09               |
|                  | -4°F(-20.0°C)      | 14870                               | 14573            | 14500            | 14442              | 14312              | 2.27                      | 2.29             | 2.30             | 2.30               | 2.31               |
|                  | 0°F(-17.8°C)       | 16238                               | 15913            | 15833            | 15770              | 15628              | 2.46                      | 2.48             | 2.48             | 2.49               | 2.50               |
|                  | 5°F(-15.0°C)       | 17947                               | 17588            | 17500            | 17430              | 17273              | 2.69                      | 2.71             | 2.71             | 2.72               | 2.73               |
|                  | 14°F(-10.0°C)      | 18947                               | 18568            | 18475            | 18401              | 18235              | 2.67                      | 2.69             | 2.69             | 2.70               | 2.71               |
|                  | 17°F(-8.3°C)       | 19280                               | 18894            | 18800            | 18725              | 18556              | 2.66                      | 2.68             | 2.69             | 2.69               | 2.70               |
|                  | 22°F(-5.6°C)       | 19530                               | 19139            | 19044            | 18967              | 18797              | 2.50                      | 2.52             | 2.53             | 2.53               | 2.54               |
|                  | 27°F(-2.8°C)       | 19780                               | 19384            | 19287            | 19210              | 19037              | 2.34                      | 2.36             | 2.36             | 2.37               | 2.38               |
|                  | 32°F(0.0°C)        | 20030                               | 19629            | 19531            | 19453              | 19278              | 2.18                      | 2.20             | 2.20             | 2.21               | 2.22               |
|                  | 35°F(1.7°C)        | 20179                               | 19776            | 19677            | 19598              | 19422              | 2.08                      | 2.10             | 2.10             | 2.11               | 2.12               |
|                  | 37°F(2.8°C)        | 20611                               | 20198            | 20098            | 20017              | 19837              | 2.06                      | 2.08             | 2.09             | 2.09               | 2.10               |
|                  | 42°F(5.6°C)        | 21689                               | 21255            | 21149            | 21064              | 20875              | 2.02                      | 2.03             | 2.04             | 2.04               | 2.05               |
|                  | 44.6°F(7.0°C)      | 22120                               | 21678            | 21569            | 21483              | 21290              | 2.00                      | 2.01             | 2.02             | 2.02               | 2.03               |
|                  | 47°F(8.3°C)        | 22767                               | 22312            | 22200            | 22111              | 21912              | 1.97                      | 1.99             | 1.99             | 1.99               | 2.00               |
|                  | 52°F(11.1°C)       | 21685                               | 21252            | 21145            | 21061              | 20871              | 1.71                      | 1.73             | 1.73             | 1.73               | 1.74               |
|                  | 57°F(13.9°C)       | 20604                               | 20192            | 20091            | 20010              | 19830              | 1.46                      | 1.47             | 1.47             | 1.48               | 1.48               |
|                  | 59°F(15.0°C)       | 20171                               | 19768            | 19669            | 19590              | 19414              | 1.35                      | 1.37             | 1.37             | 1.37               | 1.38               |
|                  | 62°F(16.7°C)       | 19522                               | 19132            | 19036            | 18960              | 18789              | 1.20                      | 1.21             | 1.21             | 1.22               | 1.22               |
|                  | 64.4°F(18.0°C)     | 19090                               | 18708            | 18614            | 18540              | 18373              | 1.10                      | 1.11             | 1.11             | 1.11               | 1.12               |

**NOTE:** Values in grey are extrapolated based on tested performance.

# HEATING AND COOLING PERFORMANCE

## FOUR-WAY CASSETTE (D5FSCA)

**Table 15 — Four-Way Cassette Cooling Performance (9K)**

COOLING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 9 (Sheet 1 of 4)

| AIRFLOW<br>(CFM) | OUTDOOR<br>DB (°F) | ID WB (°F) | 60.8°F (16.0°C)    |                    |                    |                    |                    | 64.4°F (18.0°C)    |                    |                    |                    |                    | 67°F (19.4°C)      |                    |                    |                    |                    | 71.6°F (22.0°C)    |                    |                    |                    |                    |
|------------------|--------------------|------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                  |                    | ID DB (°F) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) |
|                  |                    |            |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |
| 182              | -22°F<br>(-30.0°C) | TC         | 6419               | 6428               | 6435               | 6435               | 6444               | 6806               | 6814               | 6821               | 6822               | 6830               | 7213               | 7222               | 7230               | 7232               | 7240               | 7647               | 7656               | 7664               | 7665               | 7675               |
|                  |                    | S/T        | 0.36               | 0.42               | 0.48               | 0.48               | 0.54               | 0.38               | 0.45               | 0.51               | 0.51               | 0.58               | 0.40               | 0.47               | 0.54               | 0.54               | 0.61               | 0.43               | 0.50               | 0.57               | 0.57               | 0.65               |
|                  |                    | PI         | 0.22               | 0.22               | 0.22               | 0.22               | 0.22               | 0.23               | 0.23               | 0.23               | 0.23               | 0.23               | 0.25               | 0.25               | 0.25               | 0.25               | 0.25               | 0.26               | 0.26               | 0.26               | 0.26               | 0.26               |
|                  | -13°F<br>(-25.0°C) | TC         | 6954               | 6964               | 6971               | 6972               | 6981               | 7373               | 7382               | 7389               | 7391               | 7400               | 7814               | 7824               | 7833               | 7834               | 7843               | 8285               | 8294               | 8303               | 8304               | 8314               |
|                  |                    | S/T        | 0.36               | 0.42               | 0.48               | 0.48               | 0.55               | 0.38               | 0.45               | 0.51               | 0.51               | 0.58               | 0.41               | 0.48               | 0.54               | 0.54               | 0.62               | 0.43               | 0.50               | 0.57               | 0.57               | 0.65               |
|                  |                    | PI         | 0.24               | 0.24               | 0.24               | 0.24               | 0.24               | 0.25               | 0.25               | 0.25               | 0.25               | 0.25               | 0.27               | 0.27               | 0.27               | 0.27               | 0.27               | 0.28               | 0.28               | 0.28               | 0.28               | 0.28               |
|                  | -4°F<br>(-20.0°C)  | TC         | 7489               | 7499               | 7507               | 7508               | 7518               | 7941               | 7950               | 7958               | 7959               | 7969               | 8415               | 8426               | 8435               | 8437               | 8446               | 8922               | 8932               | 8941               | 8943               | 8954               |
|                  |                    | S/T        | 0.36               | 0.43               | 0.48               | 0.48               | 0.55               | 0.38               | 0.45               | 0.51               | 0.51               | 0.58               | 0.41               | 0.48               | 0.54               | 0.54               | 0.62               | 0.43               | 0.51               | 0.58               | 0.58               | 0.66               |
|                  |                    | PI         | 0.25               | 0.25               | 0.26               | 0.26               | 0.26               | 0.27               | 0.27               | 0.27               | 0.27               | 0.27               | 0.29               | 0.29               | 0.29               | 0.29               | 0.29               | 0.30               | 0.30               | 0.30               | 0.30               | 0.30               |
|                  | 0°F<br>(-17.8°C)   | TC         | 7727               | 7737               | 7746               | 7746               | 7757               | 8193               | 8202               | 8211               | 8212               | 8222               | 8682               | 8693               | 8703               | 8705               | 8714               | 9205               | 9215               | 9225               | 9227               | 9238               |
|                  |                    | S/T        | 0.36               | 0.43               | 0.49               | 0.49               | 0.55               | 0.39               | 0.45               | 0.51               | 0.51               | 0.59               | 0.41               | 0.48               | 0.55               | 0.55               | 0.62               | 0.43               | 0.51               | 0.58               | 0.58               | 0.66               |
|                  |                    | PI         | 0.26               | 0.26               | 0.26               | 0.26               | 0.26               | 0.28               | 0.28               | 0.28               | 0.28               | 0.28               | 0.30               | 0.30               | 0.30               | 0.30               | 0.30               | 0.31               | 0.31               | 0.31               | 0.31               | 0.31               |
|                  | 5°F<br>(-15.0°C)   | TC         | 8024               | 8035               | 8044               | 8044               | 8055               | 8508               | 8518               | 8526               | 8528               | 8538               | 9016               | 9028               | 9038               | 9040               | 9050               | 9559               | 9570               | 9580               | 9582               | 9594               |
|                  |                    | S/T        | 0.37               | 0.43               | 0.49               | 0.49               | 0.56               | 0.39               | 0.46               | 0.52               | 0.52               | 0.59               | 0.41               | 0.48               | 0.55               | 0.55               | 0.62               | 0.44               | 0.51               | 0.58               | 0.58               | 0.66               |
|                  |                    | PI         | 0.27               | 0.27               | 0.27               | 0.27               | 0.27               | 0.29               | 0.29               | 0.29               | 0.29               | 0.29               | 0.31               | 0.31               | 0.31               | 0.31               | 0.31               | 0.32               | 0.33               | 0.33               | 0.33               | 0.33               |
|                  | 14°F<br>(-10.0°C)  | TC         | 8717               | 8729               | 8738               | 8739               | 8751               | 9243               | 9254               | 9263               | 9265               | 9276               | 9795               | 9808               | 9818               | 9820               | 9831               | 10385              | 10396              | 10408              | 10409              | 10422              |
|                  |                    | S/T        | 0.37               | 0.43               | 0.49               | 0.49               | 0.56               | 0.39               | 0.46               | 0.52               | 0.52               | 0.59               | 0.41               | 0.48               | 0.55               | 0.55               | 0.63               | 0.44               | 0.51               | 0.58               | 0.58               | 0.66               |
|                  |                    | PI         | 0.30               | 0.30               | 0.30               | 0.30               | 0.30               | 0.31               | 0.31               | 0.31               | 0.31               | 0.32               | 0.33               | 0.33               | 0.33               | 0.33               | 0.33               | 0.35               | 0.35               | 0.35               | 0.35               | 0.35               |
|                  | 17°F<br>(-8.3°C)   | TC         | 8948               | 8960               | 8970               | 8970               | 8982               | 9488               | 9499               | 9508               | 9510               | 9521               | 10054              | 10067              | 10079              | 10081              | 10092              | 10660              | 10672              | 10683              | 10685              | 10698              |
|                  |                    | S/T        | 0.37               | 0.43               | 0.49               | 0.49               | 0.56               | 0.39               | 0.46               | 0.52               | 0.52               | 0.59               | 0.41               | 0.48               | 0.55               | 0.55               | 0.63               | 0.44               | 0.51               | 0.58               | 0.58               | 0.67               |
|                  |                    | PI         | 0.30               | 0.30               | 0.30               | 0.30               | 0.31               | 0.32               | 0.32               | 0.32               | 0.32               | 0.32               | 0.34               | 0.34               | 0.34               | 0.34               | 0.34               | 0.36               | 0.36               | 0.36               | 0.36               | 0.36               |
|                  | 23°F<br>(-5.0°C)   | TC         | 8844               | 8856               | 8866               | 8866               | 8878               | 9377               | 9389               | 9398               | 9400               | 9411               | 9938               | 9951               | 9962               | 9964               | 9975               | 10536              | 10548              | 10559              | 10561              | 10574              |
|                  |                    | S/T        | 0.37               | 0.43               | 0.49               | 0.49               | 0.56               | 0.39               | 0.46               | 0.52               | 0.52               | 0.60               | 0.42               | 0.49               | 0.55               | 0.55               | 0.63               | 0.44               | 0.52               | 0.59               | 0.59               | 0.67               |
|                  |                    | PI         | 0.32               | 0.32               | 0.32               | 0.32               | 0.32               | 0.34               | 0.34               | 0.34               | 0.34               | 0.34               | 0.36               | 0.36               | 0.36               | 0.36               | 0.36               | 0.38               | 0.38               | 0.39               | 0.39               | 0.39               |
|                  | 35°F<br>(1.7°C)    | TC         | 8637               | 8648               | 8658               | 8658               | 8670               | 9157               | 9168               | 9177               | 9179               | 9190               | 9704               | 9717               | 9728               | 9730               | 9740               | 10289              | 10300              | 10311              | 10313              | 10326              |
|                  |                    | S/T        | 0.37               | 0.44               | 0.50               | 0.50               | 0.56               | 0.39               | 0.46               | 0.52               | 0.52               | 0.60               | 0.42               | 0.49               | 0.56               | 0.56               | 0.63               | 0.44               | 0.52               | 0.59               | 0.59               | 0.67               |
|                  |                    | PI         | 0.36               | 0.36               | 0.36               | 0.36               | 0.36               | 0.38               | 0.38               | 0.38               | 0.38               | 0.38               | 0.40               | 0.40               | 0.40               | 0.40               | 0.40               | 0.43               | 0.43               | 0.43               | 0.43               | 0.43               |
|                  | 41°F<br>(5.0°C)    | TC         | 8805               | 8817               | 8826               | 8827               | 8839               | 9336               | 9347               | 9356               | 9358               | 9369               | 9893               | 9906               | 9917               | 9919               | 9930               | 10490              | 10501              | 10512              | 10514              | 10527              |
|                  |                    | S/T        | 0.37               | 0.44               | 0.50               | 0.50               | 0.57               | 0.39               | 0.46               | 0.53               | 0.53               | 0.60               | 0.42               | 0.49               | 0.56               | 0.56               | 0.64               | 0.44               | 0.52               | 0.59               | 0.59               | 0.67               |
|                  |                    | PI         | 0.36               | 0.36               | 0.36               | 0.36               | 0.37               | 0.39               | 0.39               | 0.39               | 0.39               | 0.39               | 0.41               | 0.41               | 0.41               | 0.41               | 0.41               | 0.43               | 0.43               | 0.43               | 0.43               | 0.44               |
|                  | 47°F<br>(8.3°C)    | TC         | 8973               | 8985               | 8995               | 8996               | 9008               | 9514               | 9525               | 9535               | 9537               | 9548               | 10083              | 10096              | 10107              | 10109              | 10120              | 10690              | 10702              | 10713              | 10715              | 10728              |
|                  |                    | S/T        | 0.37               | 0.44               | 0.50               | 0.50               | 0.57               | 0.40               | 0.46               | 0.53               | 0.53               | 0.60               | 0.42               | 0.49               | 0.56               | 0.56               | 0.64               | 0.44               | 0.52               | 0.59               | 0.59               | 0.68               |
|                  |                    | PI         | 0.37               | 0.37               | 0.37               | 0.37               | 0.37               | 0.39               | 0.39               | 0.39               | 0.39               | 0.39               | 0.41               | 0.41               | 0.41               | 0.42               | 0.42               | 0.44               | 0.44               | 0.44               | 0.44               | 0.44               |
|                  | 50°F<br>(10.0°C)   | TC         | 9027               | 9039               | 9049               | 9049               | 9061               | 9571               | 9582               | 9592               | 9593               | 9605               | 10143              | 10156              | 10167              | 10169              | 10180              | 10754              | 10765              | 10777              | 10779              | 10792              |
|                  |                    | S/T        | 0.38               | 0.44               | 0.50               | 0.50               | 0.57               | 0.40               | 0.47               | 0.53               | 0.53               | 0.60               | 0.42               | 0.49               | 0.56               | 0.56               | 0.64               | 0.45               | 0.52               | 0.60               | 0.60               | 0.68               |
|                  |                    | PI         | 0.37               | 0.37               | 0.37               | 0.37               | 0.37               | 0.40               | 0.40               | 0.40               | 0.40               | 0.40               | 0.42               | 0.42               | 0.42               | 0.42               | 0.42               | 0.44               | 0.44               | 0.45               | 0.45               | 0.45               |
|                  | 59°F<br>(15.0°C)   | TC         | 9187               | 9199               | 9209               | 9210               | 9222               | 9741               | 9752               | 9762               | 9764               | 9775               | 10323              | 10336              | 10348              | 10350              | 10361              | 10945              | 10957              | 10969              | 10970              | 10984              |
|                  |                    | S/T        | 0.38               | 0.44               | 0.50               | 0.50               | 0.57               | 0.40               | 0.47               | 0.53               | 0.53               | 0.61               | 0.42               | 0.50               | 0.56               | 0.56               | 0.64               | 0.45               | 0.53               | 0.60               | 0.60               | 0.68               |
|                  |                    | PI         | 0.39               | 0.39               | 0.39               | 0.39               | 0.39               | 0.41               | 0.41               | 0.41               | 0.41               | 0.41               | 0.43               | 0.43               | 0.43               | 0.43               | 0.43               | 0.46               | 0.46               | 0.46               | 0.46               | 0.46               |
|                  | 68°F<br>(20.0°C)   | TC         | 9347               | 9360               | 9370               | 9370               | 9383               | 9911               | 9922               | 9932               | 9934               | 9946               | 10503              | 10516              | 10528              | 10530              | 10542              | 11136              | 11148              | 11160              | 11162              | 11176              |
|                  |                    | S/T        | 0.39               | 0.45               | 0.52               | 0.52               | 0.59               | 0.41               | 0.48               | 0.55               | 0.55               | 0.62               | 0.43               | 0.51               | 0.58               | 0.58               | 0.66               | 0.46               | 0.54               | 0.61               | 0.61               | 0.70               |
|                  |                    | PI         | 0.40               | 0.40               | 0.40               | 0.40               | 0.40               | 0.42               | 0.42               | 0.42               | 0.42               | 0.42               | 0.45               | 0.45               | 0.45               | 0.45               | 0.45               | 0.47               | 0.47               | 0.48               | 0.48               | 0.48               |
|                  | 77°F<br>(25.0°C)   | TC         | 9508               | 9521               | 9531               | 9531               | 9544               | 10081              | 10093              | 10103              | 10105              | 10117              | 10683              | 10697              | 10709              | 10711              | 10723              | 11327              | 11339              | 11351              | 11353              | 11367              |
|                  |                    | S/T        | 0.39               | 0.46               | 0.52               | 0.52               | 0.60               | 0.42               | 0.49               | 0.55               | 0.55               | 0.63               | 0.44               | 0.52               | 0.59               | 0.59               | 0.67               | 0.47               | 0.55               | 0.62               | 0.62               | 0.71               |
|                  |                    | PI         | 0.41               | 0.41               | 0.41               | 0.41               | 0.41               | 0.44               | 0.44               | 0.44               | 0.44               | 0.44               | 0.46               | 0.46               | 0.46               | 0.46               | 0.46               | 0.49               | 0.49               | 0.49               | 0.49               | 0.49               |
|                  | 82°F<br>(27.8°C)   | TC         | 9501               | 9514               | 9524               | 9525               | 9538               | 10074              | 10086              | 10096              | 10098              | 10110              | 10676              | 10690              | 10702              | 10704              | 10716              | 11319              | 11331              | 11344              | 11346              | 11360              |
|                  |                    | S/T        | 0.40               | 0.47               | 0.53               | 0.53               | 0.60               | 0.42               | 0.49               | 0.56               | 0.56               | 0.64               | 0.45               | 0.52               | 0.59               | 0.60               | 0.68               | 0.47               | 0.56               | 0.63               | 0.63               | 0.72               |
|                  |                    | PI         | 0.46               | 0.46               | 0.46               | 0.46               | 0.46               | 0.49               | 0.49               | 0.49               | 0.49               | 0.49               | 0.52               | 0.52               | 0.52               | 0.52               | 0.52               | 0.55               | 0.55               | 0.55               | 0.55               | 0.55               |
|                  | 86°F<br>(30.0°C)   | TC         | 9376               | 9389               | 9399               | 9399               | 9412               | 9941               | 9953               | 9963               | 9965               | 9977               | 10535              | 10549              | 10561              | 10562              | 10574              | 11170              | 11182              | 11194              | 11196              | 11210              |
|                  |                    | S/T        | 0.40               | 0.47               | 0.54               | 0.54               | 0.61               | 0.43               | 0.50               | 0.57               | 0.57               | 0.65               | 0.45               | 0.53               | 0.60               | 0.60               | 0.69               | 0.48               | 0.56               | 0.64               | 0.64               | 0.73               |
|                  |                    | PI         | 0.56               | 0.56               | 0.56               | 0.56               | 0.56               | 0.59               | 0.59               | 0.59               | 0.59               | 0.59               | 0.62               | 0.62               | 0.63               | 0.63               | 0.63               | 0.66               | 0.66               | 0.66               | 0.66               | 0.66               |
|                  | 95°F<br>(35.0°C)   | TC         | 9094               | 9106               | 9116               | 9117               | 9129               | 9642               | 9654               | 9663               | 9665               | 9677               | 10218              | 10232              | 10243              | 10245              | 10256              | 10834              | 10846              | 10858              | 10859              | 10873              |
|                  |                    | S/T        | 0.40               | 0.47               | 0.54               | 0.54               | 0.61               | 0.43               | 0.50               | 0.                 |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |

## COOLING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 9 (Sheet 2 of 4)

| AIRFLOW<br>(CFM) | OUTDOOR<br>DB (°F) | ID WB (°F)<br>ID DB (°F) | 60.8°F (16.0°C)    |                    |                    |                    |                    | 64.4°F (18.0°C)    |                    |                    |                    |                    | 67°F (19.4°C)      |                    |                    |                    |                    | 71.6°F (22.0°C)    |                    |                    |                    |                    |
|------------------|--------------------|--------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                  |                    |                          | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) |
|                  |                    |                          | TC                 | S/T                | PI                 | TC                 | S/T                | PI                 | TC                 | S/T                | PI                 | TC                 | S/T                | PI                 | TC                 | S/T                | PI                 | TC                 | S/T                | PI                 | TC                 | S/T                |
| 265              | -22°F<br>(-30.0°C) | TC                       | 7056               | 7065               | 7073               | 7073               | 7083               | 7481               | 7490               | 7497               | 7499               | 7507               | 7928               | 7938               | 7947               | 7948               | 7957               | 8405               | 8415               | 8424               | 8425               | 8435               |
|                  |                    | S/T                      | 0.39               | 0.46               | 0.53               | 0.53               | 0.60               | 0.42               | 0.49               | 0.56               | 0.56               | 0.63               | 0.44               | 0.52               | 0.59               | 0.59               | 0.67               | 0.47               | 0.55               | 0.63               | 0.63               | 0.71               |
|                  |                    | PI                       | 0.24               | 0.24               | 0.24               | 0.24               | 0.24               | 0.25               | 0.25               | 0.25               | 0.25               | 0.26               | 0.27               | 0.27               | 0.27               | 0.27               | 0.27               | 0.29               | 0.29               | 0.29               | 0.29               | 0.29               |
|                  | -13°F<br>(-25.0°C) | TC                       | 7644               | 7654               | 7662               | 7662               | 7673               | 8104               | 8114               | 8122               | 8123               | 8133               | 8588               | 8600               | 8609               | 8611               | 8620               | 9106               | 9116               | 9126               | 9127               | 9138               |
|                  |                    | S/T                      | 0.40               | 0.47               | 0.53               | 0.53               | 0.60               | 0.42               | 0.49               | 0.56               | 0.56               | 0.64               | 0.45               | 0.52               | 0.59               | 0.59               | 0.68               | 0.47               | 0.55               | 0.63               | 0.63               | 0.72               |
|                  |                    | PI                       | 0.26               | 0.26               | 0.26               | 0.26               | 0.26               | 0.28               | 0.28               | 0.28               | 0.28               | 0.28               | 0.29               | 0.29               | 0.29               | 0.29               | 0.29               | 0.31               | 0.31               | 0.31               | 0.31               | 0.31               |
|                  | -4°F<br>(-20.0°C)  | TC                       | 8231               | 8243               | 8251               | 8252               | 8263               | 8728               | 8738               | 8747               | 8748               | 8759               | 9249               | 9261               | 9271               | 9273               | 9283               | 9806               | 9817               | 9828               | 9829               | 9841               |
|                  |                    | S/T                      | 0.40               | 0.47               | 0.53               | 0.53               | 0.61               | 0.42               | 0.50               | 0.56               | 0.56               | 0.64               | 0.45               | 0.53               | 0.60               | 0.60               | 0.68               | 0.48               | 0.56               | 0.63               | 0.63               | 0.72               |
|                  |                    | PI                       | 0.28               | 0.28               | 0.28               | 0.28               | 0.28               | 0.30               | 0.30               | 0.30               | 0.30               | 0.30               | 0.31               | 0.31               | 0.32               | 0.32               | 0.32               | 0.33               | 0.33               | 0.33               | 0.33               | 0.33               |
|                  | 0°F<br>(-17.8°C)   | TC                       | 8493               | 8504               | 8513               | 8514               | 8525               | 9005               | 9015               | 9024               | 9026               | 9037               | 9543               | 9555               | 9566               | 9567               | 9578               | 10118              | 10129              | 10140              | 10141              | 10154              |
|                  |                    | S/T                      | 0.40               | 0.47               | 0.53               | 0.53               | 0.61               | 0.42               | 0.50               | 0.57               | 0.57               | 0.64               | 0.45               | 0.53               | 0.60               | 0.60               | 0.68               | 0.48               | 0.56               | 0.64               | 0.64               | 0.72               |
|                  |                    | PI                       | 0.29               | 0.29               | 0.29               | 0.29               | 0.29               | 0.31               | 0.31               | 0.31               | 0.31               | 0.31               | 0.32               | 0.32               | 0.33               | 0.33               | 0.33               | 0.34               | 0.34               | 0.34               | 0.34               | 0.35               |
|                  | 5°F<br>(-15.0°C)   | TC                       | 8819               | 8831               | 8841               | 8841               | 8853               | 9351               | 9362               | 9371               | 9373               | 9384               | 9910               | 9923               | 9934               | 9935               | 9946               | 10507              | 10518              | 10530              | 10531              | 10544              |
|                  |                    | S/T                      | 0.40               | 0.47               | 0.54               | 0.54               | 0.61               | 0.43               | 0.50               | 0.57               | 0.57               | 0.65               | 0.45               | 0.53               | 0.60               | 0.60               | 0.69               | 0.48               | 0.56               | 0.64               | 0.64               | 0.73               |
|                  |                    | PI                       | 0.30               | 0.30               | 0.30               | 0.30               | 0.30               | 0.32               | 0.32               | 0.32               | 0.32               | 0.32               | 0.34               | 0.34               | 0.34               | 0.34               | 0.34               | 0.36               | 0.36               | 0.36               | 0.36               | 0.36               |
|                  | 14°F<br>(-10.0°C)  | TC                       | 9581               | 9594               | 9604               | 9605               | 9618               | 10159              | 10171              | 10181              | 10183              | 10195              | 10765              | 10779              | 10791              | 10793              | 10806              | 11414              | 11427              | 11439              | 11441              | 11455              |
|                  |                    | S/T                      | 0.40               | 0.47               | 0.54               | 0.54               | 0.61               | 0.43               | 0.50               | 0.57               | 0.57               | 0.65               | 0.45               | 0.53               | 0.60               | 0.60               | 0.69               | 0.48               | 0.56               | 0.64               | 0.64               | 0.73               |
|                  |                    | PI                       | 0.33               | 0.33               | 0.33               | 0.33               | 0.33               | 0.35               | 0.35               | 0.35               | 0.35               | 0.35               | 0.37               | 0.37               | 0.37               | 0.37               | 0.37               | 0.39               | 0.39               | 0.39               | 0.39               | 0.39               |
|                  | 17°F<br>(-8.3°C)   | TC                       | 9835               | 9848               | 9859               | 9859               | 9873               | 10428              | 10440              | 10450              | 10453              | 10465              | 11051              | 11065              | 11077              | 11080              | 11092              | 11717              | 11729              | 11742              | 11744              | 11759              |
|                  |                    | S/T                      | 0.40               | 0.47               | 0.54               | 0.54               | 0.61               | 0.43               | 0.50               | 0.57               | 0.57               | 0.65               | 0.45               | 0.53               | 0.61               | 0.61               | 0.69               | 0.48               | 0.56               | 0.64               | 0.64               | 0.73               |
|                  |                    | PI                       | 0.33               | 0.33               | 0.34               | 0.34               | 0.34               | 0.35               | 0.35               | 0.36               | 0.36               | 0.36               | 0.38               | 0.38               | 0.38               | 0.38               | 0.38               | 0.40               | 0.40               | 0.40               | 0.40               | 0.40               |
|                  | 23°F<br>(-5.0°C)   | TC                       | 9721               | 9734               | 9745               | 9745               | 9758               | 10307              | 10319              | 10329              | 10331              | 10343              | 10923              | 10937              | 10949              | 10951              | 10963              | 11581              | 11593              | 11606              | 11608              | 11622              |
|                  |                    | S/T                      | 0.41               | 0.48               | 0.54               | 0.54               | 0.62               | 0.43               | 0.51               | 0.57               | 0.57               | 0.65               | 0.46               | 0.54               | 0.61               | 0.61               | 0.69               | 0.48               | 0.57               | 0.65               | 0.65               | 0.74               |
|                  |                    | PI                       | 0.35               | 0.35               | 0.36               | 0.36               | 0.36               | 0.38               | 0.38               | 0.38               | 0.38               | 0.38               | 0.40               | 0.40               | 0.40               | 0.40               | 0.40               | 0.42               | 0.42               | 0.42               | 0.42               | 0.42               |
|                  | 35°F<br>(1.7°C)    | TC                       | 9493               | 9505               | 9516               | 9516               | 9529               | 10065              | 10077              | 10087              | 10089              | 10101              | 10666              | 10680              | 10692              | 10694              | 10706              | 11309              | 11321              | 11333              | 11335              | 11349              |
|                  |                    | S/T                      | 0.41               | 0.48               | 0.54               | 0.54               | 0.62               | 0.43               | 0.51               | 0.58               | 0.58               | 0.66               | 0.46               | 0.54               | 0.61               | 0.61               | 0.70               | 0.49               | 0.57               | 0.65               | 0.65               | 0.74               |
|                  |                    | PI                       | 0.39               | 0.40               | 0.40               | 0.40               | 0.40               | 0.42               | 0.42               | 0.42               | 0.42               | 0.42               | 0.44               | 0.44               | 0.44               | 0.44               | 0.45               | 0.47               | 0.47               | 0.47               | 0.47               | 0.47               |
|                  | 41°F<br>(5.0°C)    | TC                       | 9678               | 9691               | 9701               | 9702               | 9715               | 10261              | 10273              | 10283              | 10285              | 10297              | 10874              | 10888              | 10900              | 10902              | 10914              | 11529              | 11542              | 11554              | 11556              | 11570              |
|                  |                    | S/T                      | 0.41               | 0.48               | 0.55               | 0.55               | 0.62               | 0.43               | 0.51               | 0.58               | 0.58               | 0.66               | 0.46               | 0.54               | 0.61               | 0.61               | 0.70               | 0.49               | 0.57               | 0.65               | 0.65               | 0.74               |
|                  |                    | PI                       | 0.40               | 0.40               | 0.40               | 0.40               | 0.40               | 0.42               | 0.42               | 0.43               | 0.43               | 0.43               | 0.45               | 0.45               | 0.45               | 0.45               | 0.45               | 0.48               | 0.48               | 0.48               | 0.48               | 0.48               |
|                  | 47°F<br>(8.3°C)    | TC                       | 9863               | 9876               | 9887               | 9887               | 9900               | 10457              | 10469              | 10480              | 10482              | 10494              | 11082              | 11096              | 11109              | 11111              | 11123              | 11749              | 11762              | 11775              | 11777              | 11792              |
|                  |                    | S/T                      | 0.41               | 0.48               | 0.55               | 0.55               | 0.62               | 0.43               | 0.51               | 0.58               | 0.58               | 0.66               | 0.46               | 0.54               | 0.61               | 0.61               | 0.70               | 0.49               | 0.57               | 0.65               | 0.65               | 0.74               |
|                  |                    | PI                       | 0.41               | 0.41               | 0.41               | 0.41               | 0.41               | 0.43               | 0.43               | 0.43               | 0.43               | 0.43               | 0.46               | 0.46               | 0.46               | 0.46               | 0.46               | 0.48               | 0.48               | 0.48               | 0.48               | 0.48               |
|                  | 50°F<br>(10.0°C)   | TC                       | 9921               | 9935               | 9945               | 9946               | 9959               | 10519              | 10532              | 10542              | 10544              | 10557              | 11148              | 11162              | 11175              | 11177              | 11189              | 11819              | 11832              | 11845              | 11847              | 11862              |
|                  |                    | S/T                      | 0.41               | 0.48               | 0.55               | 0.55               | 0.63               | 0.44               | 0.51               | 0.58               | 0.58               | 0.66               | 0.46               | 0.54               | 0.62               | 0.62               | 0.70               | 0.49               | 0.58               | 0.65               | 0.65               | 0.75               |
|                  |                    | PI                       | 0.41               | 0.41               | 0.41               | 0.41               | 0.41               | 0.43               | 0.44               | 0.44               | 0.44               | 0.44               | 0.46               | 0.46               | 0.46               | 0.46               | 0.46               | 0.49               | 0.49               | 0.49               | 0.49               | 0.49               |
|                  | 59°F<br>(15.0°C)   | TC                       | 10098              | 10111              | 10122              | 10122              | 10136              | 10706              | 10719              | 10729              | 10731              | 10744              | 11346              | 11360              | 11373              | 11375              | 11388              | 12029              | 12042              | 12056              | 12057              | 12072              |
|                  |                    | S/T                      | 0.41               | 0.49               | 0.55               | 0.55               | 0.63               | 0.44               | 0.52               | 0.59               | 0.59               | 0.67               | 0.47               | 0.55               | 0.62               | 0.62               | 0.71               | 0.49               | 0.58               | 0.66               | 0.66               | 0.75               |
|                  |                    | PI                       | 0.42               | 0.42               | 0.42               | 0.42               | 0.43               | 0.45               | 0.45               | 0.45               | 0.45               | 0.45               | 0.48               | 0.48               | 0.48               | 0.48               | 0.48               | 0.50               | 0.51               | 0.51               | 0.51               | 0.51               |
|                  | 68°F<br>(20.0°C)   | TC                       | 10274              | 10288              | 10299              | 10299              | 10313              | 10893              | 10906              | 10917              | 10919              | 10932              | 11544              | 11559              | 11572              | 11574              | 11587              | 12239              | 12253              | 12266              | 12268              | 12283              |
|                  |                    | S/T                      | 0.43               | 0.50               | 0.57               | 0.57               | 0.65               | 0.45               | 0.53               | 0.60               | 0.60               | 0.69               | 0.48               | 0.56               | 0.64               | 0.64               | 0.73               | 0.51               | 0.59               | 0.68               | 0.68               | 0.77               |
|                  |                    | PI                       | 0.44               | 0.44               | 0.44               | 0.44               | 0.44               | 0.46               | 0.46               | 0.46               | 0.46               | 0.46               | 0.47               | 0.49               | 0.49               | 0.49               | 0.49               | 0.52               | 0.52               | 0.52               | 0.52               | 0.52               |
|                  | 77°F<br>(25.0°C)   | TC                       | 10450              | 10464              | 10475              | 10476              | 10490              | 11080              | 11093              | 11104              | 11106              | 11119              | 11742              | 11757              | 11770              | 11772              | 11785              | 12449              | 12463              | 12476              | 12478              | 12494              |
|                  |                    | S/T                      | 0.43               | 0.51               | 0.57               | 0.57               | 0.66               | 0.46               | 0.54               | 0.61               | 0.61               | 0.69               | 0.48               | 0.57               | 0.65               | 0.65               | 0.74               | 0.51               | 0.60               | 0.68               | 0.68               | 0.78               |
|                  |                    | PI                       | 0.45               | 0.45               | 0.45               | 0.45               | 0.45               | 0.48               | 0.48               | 0.48               | 0.48               | 0.48               | 0.51               | 0.51               | 0.51               | 0.51               | 0.51               | 0.54               | 0.54               | 0.54               | 0.54               | 0.54               |
|                  | 82°F<br>(27.8°C)   | TC                       | 10443              | 10457              | 10468              | 10469              | 10483              | 11072              | 11086              | 11096              | 11099              | 11112              | 11734              | 11749              | 11762              | 11764              | 11781              | 12441              | 12454              | 12468              | 12470              | 12485              |
|                  |                    | S/T                      | 0.44               | 0.51               | 0.58               | 0.58               | 0.66               | 0.46               | 0.54               | 0.62               | 0.62               | 0.70               | 0.49               | 0.58               | 0.65               | 0.65               | 0.75               | 0.52               | 0.61               | 0.69               | 0.69               | 0.79               |
|                  |                    | PI                       | 0.51               | 0.51               | 0.51               | 0.51               | 0.51               | 0.54               | 0.54               | 0.54               | 0.54               | 0.54               | 0.57               | 0.57               | 0.57               | 0.57               | 0.57               | 0.60               | 0.60               | 0.60               | 0.60               | 0.61               |
|                  | 86°F<br>(30.0°C)   | TC                       | 10305              | 10319              | 10330              | 10331              | 10345              | 10926              | 10939              | 10950              | 10952              | 10965              | 11579              | 11594              | 11607              | 11609              | 11622              | 12277              | 12290              | 12304              | 12305              | 12321              |
|                  |                    | S/T                      | 0.44               | 0.52               | 0.59               | 0.59               | 0.67               | 0.47               | 0.55               | 0.62               | 0.62               | 0.71               | 0.50               | 0.58               | 0.66               | 0.66               | 0.75               | 0.53               | 0.62               | 0.70               | 0.70               | 0.80               |
|                  |                    | PI                       | 0.61               | 0.61               | 0.61               | 0.61               | 0.61               | 0.65               | 0.65               | 0.65               | 0.65               | 0.65               | 0.69               | 0.69               | 0.69               | 0.69               | 0.69               | 0.73               | 0.73               | 0.73               | 0.73               | 0.73               |
|                  | 95°F<br>(35.0°C)   | TC                       | 9995               | 10009              |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |

## COOLING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 9 (Sheet 3 of 4)

| AIRFLOW<br>(CFM) | OUTDOOR<br>DB (°F) | ID WB (°F)<br>ID DB (°F) | 60.8°F (16.0°C)    |                    |                    |                    |                    | 64.4°F (18.0°C)    |                    |                    |                    |                    | 67°F (19.4°C)      |                    |                    |                    |                    | 71.6°F (22.0°C)    |                    |                    |                    |                    |
|------------------|--------------------|--------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                  |                    |                          | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) |
|                  |                    |                          | TC                 | S/T                | PI                 | TC                 | S/T                | PI                 | TC                 | S/T                | PI                 | TC                 | S/T                | PI                 | TC                 | S/T                | PI                 | TC                 | S/T                | PI                 | TC                 | S/T                |
| 312              | -22°F<br>(-30.0°C) | TC                       | 7755               | 7765               | 7774               | 7774               | 7784               | 8222               | 8232               | 8240               | 8242               | 8251               | 8713               | 8725               | 8734               | 8736               | 8746               | 9238               | 9248               | 9258               | 9260               | 9271               |
|                  |                    | S/T                      | 0.43               | 0.51               | 0.58               | 0.58               | 0.66               | 0.46               | 0.54               | 0.61               | 0.61               | 0.70               | 0.49               | 0.57               | 0.65               | 0.65               | 0.74               | 0.52               | 0.61               | 0.69               | 0.69               | 0.78               |
|                  |                    | PI                       | 0.26               | 0.26               | 0.26               | 0.26               | 0.26               | 0.28               | 0.28               | 0.28               | 0.28               | 0.28               | 0.30               | 0.30               | 0.30               | 0.30               | 0.30               | 0.31               | 0.31               | 0.31               | 0.31               | 0.32               |
|                  | -13°F<br>(-25.0°C) | TC                       | 8401               | 8412               | 8421               | 8422               | 8433               | 8907               | 8918               | 8927               | 8928               | 8939               | 9439               | 9452               | 9462               | 9464               | 9475               | 10008              | 10019              | 10030              | 10032              | 10044              |
|                  |                    | S/T                      | 0.44               | 0.51               | 0.58               | 0.58               | 0.66               | 0.46               | 0.54               | 0.62               | 0.62               | 0.70               | 0.49               | 0.57               | 0.65               | 0.65               | 0.74               | 0.52               | 0.61               | 0.69               | 0.69               | 0.79               |
|                  |                    | PI                       | 0.29               | 0.29               | 0.29               | 0.29               | 0.29               | 0.30               | 0.30               | 0.30               | 0.30               | 0.30               | 0.32               | 0.32               | 0.32               | 0.32               | 0.32               | 0.34               | 0.34               | 0.34               | 0.34               | 0.34               |
|                  | -4°F<br>(-20.0°C)  | TC                       | 9047               | 9059               | 9069               | 9070               | 9082               | 9592               | 9604               | 9613               | 9615               | 9627               | 10166              | 10179              | 10190              | 10192              | 10203              | 10778              | 10790              | 10802              | 10803              | 10817              |
|                  |                    | S/T                      | 0.44               | 0.51               | 0.58               | 0.58               | 0.67               | 0.46               | 0.55               | 0.62               | 0.62               | 0.71               | 0.49               | 0.58               | 0.66               | 0.66               | 0.75               | 0.52               | 0.61               | 0.70               | 0.70               | 0.79               |
|                  |                    | PI                       | 0.31               | 0.31               | 0.31               | 0.31               | 0.31               | 0.33               | 0.33               | 0.33               | 0.33               | 0.33               | 0.35               | 0.35               | 0.35               | 0.35               | 0.35               | 0.37               | 0.37               | 0.37               | 0.37               | 0.37               |
|                  | 0°F<br>(-17.8°C)   | TC                       | 9334               | 9347               | 9357               | 9358               | 9370               | 9897               | 9909               | 9919               | 9920               | 9932               | 10488              | 10502              | 10514              | 10516              | 10527              | 11120              | 11132              | 11144              | 11146              | 11160              |
|                  |                    | S/T                      | 0.44               | 0.52               | 0.59               | 0.59               | 0.67               | 0.47               | 0.55               | 0.62               | 0.62               | 0.71               | 0.49               | 0.58               | 0.66               | 0.66               | 0.75               | 0.52               | 0.61               | 0.70               | 0.70               | 0.80               |
|                  |                    | PI                       | 0.32               | 0.32               | 0.32               | 0.32               | 0.32               | 0.34               | 0.34               | 0.34               | 0.34               | 0.34               | 0.36               | 0.36               | 0.36               | 0.36               | 0.36               | 0.38               | 0.38               | 0.38               | 0.38               | 0.38               |
|                  | 5°F<br>(-15.0°C)   | TC                       | 9693               | 9707               | 9717               | 9717               | 9731               | 10278              | 10290              | 10300              | 10302              | 10314              | 10892              | 10906              | 10918              | 10920              | 10932              | 11548              | 11560              | 11573              | 11575              | 11589              |
|                  |                    | S/T                      | 0.44               | 0.52               | 0.59               | 0.59               | 0.67               | 0.47               | 0.55               | 0.62               | 0.62               | 0.71               | 0.50               | 0.58               | 0.66               | 0.66               | 0.75               | 0.53               | 0.62               | 0.70               | 0.70               | 0.80               |
|                  |                    | PI                       | 0.33               | 0.33               | 0.33               | 0.33               | 0.33               | 0.35               | 0.35               | 0.35               | 0.35               | 0.35               | 0.37               | 0.37               | 0.37               | 0.37               | 0.37               | 0.39               | 0.39               | 0.39               | 0.39               | 0.39               |
|                  | 14°F<br>(-10.0°C)  | TC                       | 10531              | 10545              | 10556              | 10557              | 10571              | 11165              | 11179              | 11190              | 11192              | 11205              | 11832              | 11848              | 11861              | 11863              | 11876              | 12545              | 12559              | 12573              | 12575              | 12590              |
|                  |                    | S/T                      | 0.44               | 0.52               | 0.59               | 0.59               | 0.67               | 0.47               | 0.55               | 0.63               | 0.63               | 0.71               | 0.50               | 0.58               | 0.66               | 0.66               | 0.76               | 0.53               | 0.62               | 0.70               | 0.70               | 0.80               |
|                  |                    | PI                       | 0.36               | 0.36               | 0.36               | 0.36               | 0.36               | 0.38               | 0.38               | 0.38               | 0.38               | 0.38               | 0.40               | 0.40               | 0.40               | 0.40               | 0.40               | 0.43               | 0.43               | 0.43               | 0.43               | 0.43               |
|                  | 17°F<br>(-8.3°C)   | TC                       | 10810              | 10824              | 10836              | 10836              | 10851              | 11461              | 11475              | 11486              | 11488              | 11502              | 12146              | 12162              | 12175              | 12178              | 12191              | 12878              | 12892              | 12906              | 12908              | 12924              |
|                  |                    | S/T                      | 0.44               | 0.52               | 0.59               | 0.59               | 0.68               | 0.47               | 0.55               | 0.63               | 0.63               | 0.72               | 0.50               | 0.59               | 0.67               | 0.67               | 0.76               | 0.53               | 0.62               | 0.71               | 0.71               | 0.80               |
|                  |                    | PI                       | 0.37               | 0.37               | 0.37               | 0.37               | 0.37               | 0.39               | 0.39               | 0.39               | 0.39               | 0.39               | 0.41               | 0.41               | 0.41               | 0.41               | 0.41               | 0.44               | 0.44               | 0.44               | 0.44               | 0.44               |
|                  | 23°F<br>(-5.0°C)   | TC                       | 10684              | 10699              | 10710              | 10711              | 10725              | 11328              | 11342              | 11353              | 11355              | 11369              | 12005              | 12021              | 12034              | 12036              | 12050              | 12728              | 12742              | 12756              | 12758              | 12774              |
|                  |                    | S/T                      | 0.45               | 0.52               | 0.60               | 0.60               | 0.68               | 0.47               | 0.56               | 0.63               | 0.63               | 0.72               | 0.50               | 0.59               | 0.67               | 0.67               | 0.76               | 0.53               | 0.62               | 0.71               | 0.71               | 0.81               |
|                  |                    | PI                       | 0.39               | 0.39               | 0.39               | 0.39               | 0.39               | 0.41               | 0.41               | 0.41               | 0.41               | 0.41               | 0.44               | 0.44               | 0.44               | 0.44               | 0.44               | 0.46               | 0.46               | 0.47               | 0.47               | 0.47               |
|                  | 35°F<br>(1.7°C)    | TC                       | 10433              | 10448              | 10459              | 10459              | 10473              | 11062              | 11075              | 11086              | 11088              | 11102              | 11723              | 11738              | 11751              | 11754              | 11767              | 12429              | 12443              | 12457              | 12458              | 12474              |
|                  |                    | S/T                      | 0.45               | 0.53               | 0.60               | 0.60               | 0.68               | 0.48               | 0.56               | 0.63               | 0.63               | 0.72               | 0.50               | 0.59               | 0.67               | 0.67               | 0.77               | 0.53               | 0.63               | 0.71               | 0.71               | 0.81               |
|                  |                    | PI                       | 0.43               | 0.43               | 0.43               | 0.43               | 0.44               | 0.46               | 0.46               | 0.46               | 0.46               | 0.46               | 0.49               | 0.49               | 0.49               | 0.49               | 0.49               | 0.52               | 0.52               | 0.52               | 0.52               | 0.52               |
|                  | 41°F<br>(5.0°C)    | TC                       | 10637              | 10651              | 10663              | 10663              | 10677              | 11278              | 11291              | 11302              | 11305              | 11318              | 11952              | 11967              | 11980              | 11983              | 11996              | 12672              | 12685              | 12699              | 12701              | 12717              |
|                  |                    | S/T                      | 0.45               | 0.53               | 0.60               | 0.60               | 0.68               | 0.48               | 0.56               | 0.64               | 0.64               | 0.72               | 0.51               | 0.59               | 0.67               | 0.67               | 0.77               | 0.54               | 0.63               | 0.71               | 0.71               | 0.81               |
|                  |                    | PI                       | 0.44               | 0.44               | 0.44               | 0.44               | 0.44               | 0.47               | 0.47               | 0.47               | 0.47               | 0.47               | 0.49               | 0.49               | 0.50               | 0.50               | 0.50               | 0.52               | 0.52               | 0.52               | 0.52               | 0.53               |
|                  | 47°F<br>(8.3°C)    | TC                       | 10840              | 10855              | 10866              | 10867              | 10881              | 11493              | 11507              | 11518              | 11521              | 11534              | 12180              | 12196              | 12209              | 12212              | 12225              | 12914              | 12928              | 12942              | 12944              | 12960              |
|                  |                    | S/T                      | 0.45               | 0.53               | 0.60               | 0.60               | 0.69               | 0.48               | 0.56               | 0.64               | 0.64               | 0.73               | 0.51               | 0.59               | 0.68               | 0.68               | 0.77               | 0.54               | 0.63               | 0.72               | 0.72               | 0.82               |
|                  |                    | PI                       | 0.45               | 0.45               | 0.45               | 0.45               | 0.45               | 0.47               | 0.47               | 0.47               | 0.47               | 0.47               | 0.50               | 0.50               | 0.50               | 0.50               | 0.50               | 0.53               | 0.53               | 0.53               | 0.53               | 0.53               |
|                  | 50°F<br>(10.0°C)   | TC                       | 10905              | 10919              | 10931              | 10932              | 10946              | 11562              | 11575              | 11587              | 11589              | 11603              | 12253              | 12268              | 12282              | 12284              | 12298              | 12991              | 13005              | 13019              | 13021              | 13037              |
|                  |                    | S/T                      | 0.45               | 0.53               | 0.60               | 0.60               | 0.69               | 0.48               | 0.56               | 0.64               | 0.64               | 0.73               | 0.51               | 0.60               | 0.68               | 0.68               | 0.77               | 0.54               | 0.63               | 0.72               | 0.72               | 0.82               |
|                  |                    | PI                       | 0.45               | 0.45               | 0.45               | 0.45               | 0.45               | 0.48               | 0.48               | 0.48               | 0.48               | 0.48               | 0.51               | 0.51               | 0.51               | 0.51               | 0.51               | 0.54               | 0.54               | 0.54               | 0.54               | 0.54               |
|                  | 59°F<br>(15.0°C)   | TC                       | 11098              | 11113              | 11125              | 11126              | 11141              | 11767              | 11781              | 11793              | 11795              | 11809              | 12470              | 12486              | 12500              | 12503              | 12517              | 13221              | 13236              | 13250              | 13252              | 13269              |
|                  |                    | S/T                      | 0.46               | 0.53               | 0.61               | 0.61               | 0.69               | 0.48               | 0.57               | 0.64               | 0.64               | 0.73               | 0.51               | 0.60               | 0.68               | 0.68               | 0.78               | 0.54               | 0.64               | 0.72               | 0.72               | 0.82               |
|                  |                    | PI                       | 0.47               | 0.47               | 0.47               | 0.47               | 0.47               | 0.49               | 0.49               | 0.49               | 0.49               | 0.49               | 0.50               | 0.52               | 0.52               | 0.52               | 0.52               | 0.53               | 0.55               | 0.56               | 0.56               | 0.56               |
|                  | 68°F<br>(20.0°C)   | TC                       | 11292              | 11307              | 11319              | 11320              | 11335              | 11972              | 11987              | 11998              | 12001              | 12015              | 12688              | 12704              | 12718              | 12721              | 12735              | 13452              | 13467              | 13481              | 13484              | 13500              |
|                  |                    | S/T                      | 0.47               | 0.55               | 0.62               | 0.62               | 0.71               | 0.50               | 0.58               | 0.66               | 0.66               | 0.75               | 0.53               | 0.62               | 0.70               | 0.70               | 0.80               | 0.56               | 0.65               | 0.74               | 0.74               | 0.85               |
|                  |                    | PI                       | 0.48               | 0.48               | 0.48               | 0.48               | 0.48               | 0.51               | 0.51               | 0.51               | 0.51               | 0.51               | 0.54               | 0.54               | 0.54               | 0.54               | 0.54               | 0.57               | 0.57               | 0.57               | 0.57               | 0.57               |
|                  | 77°F<br>(25.0°C)   | TC                       | 11486              | 11501              | 11513              | 11514              | 11529              | 12178              | 12192              | 12204              | 12207              | 12221              | 12905              | 12922              | 12936              | 12939              | 12953              | 13683              | 13698              | 13713              | 13715              | 13732              |
|                  |                    | S/T                      | 0.47               | 0.56               | 0.63               | 0.63               | 0.72               | 0.50               | 0.59               | 0.67               | 0.67               | 0.76               | 0.53               | 0.62               | 0.71               | 0.71               | 0.81               | 0.56               | 0.66               | 0.75               | 0.75               | 0.86               |
|                  |                    | PI                       | 0.50               | 0.50               | 0.50               | 0.50               | 0.50               | 0.53               | 0.53               | 0.53               | 0.53               | 0.53               | 0.56               | 0.56               | 0.56               | 0.56               | 0.56               | 0.59               | 0.59               | 0.59               | 0.59               | 0.59               |
|                  | 82°F<br>(27.8°C)   | TC                       | 11478              | 11493              | 11506              | 11506              | 11522              | 12170              | 12184              | 12196              | 12199              | 12213              | 12897              | 12914              | 12928              | 12930              | 12945              | 13674              | 13689              | 13704              | 13706              | 13723              |
|                  |                    | S/T                      | 0.48               | 0.56               | 0.64               | 0.64               | 0.73               | 0.51               | 0.60               | 0.68               | 0.68               | 0.77               | 0.54               | 0.63               | 0.72               | 0.72               | 0.82               | 0.57               | 0.67               | 0.76               | 0.76               | 0.87               |
|                  |                    | PI                       | 0.56               | 0.56               | 0.56               | 0.56               | 0.56               | 0.59               | 0.59               | 0.59               | 0.59               | 0.59               | 0.63               | 0.63               | 0.63               | 0.63               | 0.63               | 0.66               | 0.66               | 0.66               | 0.66               | 0.67               |
|                  | 86°F<br>(30.0°C)   | TC                       | 11327              | 11342              | 11354              | 11355              | 11370              | 12009              | 12023              | 12035              | 12038              | 12052              | 12727              | 12743              | 12757              | 12760              | 12774              | 13493              | 13508              | 13523              | 13525              | 13542              |
|                  |                    | S/T                      | 0.49               | 0.57               | 0.65               | 0.65               | 0.74               | 0.52               | 0.60               | 0.69               | 0.69               | 0.78               | 0.55               | 0.64               | 0.73               | 0.73               | 0.83               | 0.58               | 0.68               | 0.77               | 0.77               | 0.88               |
|                  |                    | PI                       | 0.67               | 0.67               | 0.67               | 0.67               | 0.67               | 0.71               | 0.71               | 0.71               | 0.71               | 0.71               | 0.75               | 0.75               | 0.76               | 0.76               | 0.76               | 0.80               | 0.8                |                    |                    |                    |

COOLING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 9 (Sheet 4 of 4)

| AIRFLOW<br>(CFM) | OUTDOOR<br>DB (°F) | ID WB (°F) |          | 60.8°F (16.0°C) |          |          |          |          | 64.4°F (18.0°C) |          |          |          |          | 67°F (19.4°C) |          |          |          |          | 71.6°F (22.0°C) |          |          |          |  |
|------------------|--------------------|------------|----------|-----------------|----------|----------|----------|----------|-----------------|----------|----------|----------|----------|---------------|----------|----------|----------|----------|-----------------|----------|----------|----------|--|
|                  |                    | ID DB (°F) | 73.4°F   | 77.0°F          | 80.0°F   | 80.6°F   | 84.2°F   | 73.4°F   | 77.0°F          | 80.0°F   | 80.6°F   | 84.2°F   | 73.4°F   | 77.0°F        | 80.0°F   | 80.6°F   | 84.2°F   | 73.4°F   | 77.0°F          | 80.0°F   | 80.6°F   | 84.2°F   |  |
|                  |                    |            | (23.0°C) | (25.0°C)        | (26.7°C) | (27.0°C) | (29.0°C) | (23.0°C) | (25.0°C)        | (26.7°C) | (27.0°C) | (29.0°C) | (23.0°C) | (25.0°C)      | (26.7°C) | (27.0°C) | (29.0°C) | (23.0°C) | (25.0°C)        | (26.7°C) | (27.0°C) | (29.0°C) |  |
| 353              | -22°F<br>(-30.0°C) | TC         | 8523     | 8535            | 8544     | 8544     | 8556     | 9037     | 9048            | 9057     | 9058     | 9069     | 9577     | 9589          | 9600     | 9602     | 9613     | 10154    | 10165           | 10176    | 10178    | 10190    |  |
|                  |                    | S/T        | 0.48     | 0.56            | 0.63     | 0.63     | 0.72     | 0.50     | 0.59            | 0.67     | 0.67     | 0.77     | 0.53     | 0.63          | 0.71     | 0.71     | 0.81     | 0.57     | 0.67            | 0.76     | 0.76     | 0.86     |  |
|                  |                    | PI         | 0.29     | 0.29            | 0.29     | 0.29     | 0.29     | 0.31     | 0.31            | 0.31     | 0.31     | 0.31     | 0.33     | 0.33          | 0.33     | 0.33     | 0.33     | 0.35     | 0.35            | 0.35     | 0.35     | 0.35     |  |
|                  | -13°F<br>(-25.0°C) | TC         | 9234     | 9246            | 9256     | 9256     | 9269     | 9790     | 9802            | 9811     | 9813     | 9825     | 10375    | 10388         | 10400    | 10402    | 10414    | 11000    | 11012           | 11024    | 11026    | 11039    |  |
|                  |                    | S/T        | 0.48     | 0.56            | 0.64     | 0.64     | 0.73     | 0.51     | 0.60            | 0.68     | 0.68     | 0.77     | 0.54     | 0.63          | 0.72     | 0.72     | 0.82     | 0.57     | 0.67            | 0.76     | 0.76     | 0.87     |  |
|                  |                    | PI         | 0.31     | 0.31            | 0.31     | 0.31     | 0.32     | 0.33     | 0.33            | 0.33     | 0.33     | 0.33     | 0.35     | 0.35          | 0.35     | 0.35     | 0.35     | 0.37     | 0.37            | 0.37     | 0.37     | 0.38     |  |
|                  | -4°F<br>(-20.0°C)  | TC         | 9944     | 9957            | 9968     | 9968     | 9982     | 10543    | 10556           | 10566    | 10568    | 10581    | 11173    | 11188         | 11200    | 11202    | 11215    | 11846    | 11859           | 11872    | 11874    | 11889    |  |
|                  |                    | S/T        | 0.48     | 0.57            | 0.64     | 0.64     | 0.73     | 0.51     | 0.60            | 0.68     | 0.68     | 0.78     | 0.54     | 0.64          | 0.72     | 0.72     | 0.82     | 0.57     | 0.67            | 0.77     | 0.77     | 0.87     |  |
|                  |                    | PI         | 0.34     | 0.34            | 0.34     | 0.34     | 0.34     | 0.36     | 0.36            | 0.36     | 0.36     | 0.36     | 0.38     | 0.38          | 0.38     | 0.38     | 0.38     | 0.40     | 0.40            | 0.40     | 0.40     | 0.40     |  |
|                  | 0°F<br>(-17.8°C)   | TC         | 10260    | 10273           | 10284    | 10285    | 10299    | 10878    | 10891           | 10901    | 10904    | 10917    | 11528    | 11543         | 11556    | 11558    | 11571    | 12222    | 12236           | 12249    | 12251    | 12266    |  |
|                  |                    | S/T        | 0.48     | 0.57            | 0.64     | 0.64     | 0.73     | 0.51     | 0.60            | 0.68     | 0.68     | 0.78     | 0.54     | 0.64          | 0.72     | 0.72     | 0.83     | 0.58     | 0.68            | 0.77     | 0.77     | 0.88     |  |
|                  |                    | PI         | 0.35     | 0.35            | 0.35     | 0.35     | 0.35     | 0.37     | 0.37            | 0.37     | 0.37     | 0.37     | 0.39     | 0.39          | 0.39     | 0.39     | 0.39     | 0.42     | 0.42            | 0.42     | 0.42     | 0.42     |  |
|                  | 5°F<br>(-15.0°C)   | TC         | 10654    | 10668           | 10680    | 10680    | 10695    | 11296    | 11310           | 11321    | 11323    | 11336    | 11971    | 11987         | 12000    | 12002    | 12016    | 12692    | 12706           | 12720    | 12722    | 12738    |  |
|                  |                    | S/T        | 0.49     | 0.57            | 0.65     | 0.65     | 0.74     | 0.51     | 0.60            | 0.69     | 0.69     | 0.78     | 0.55     | 0.64          | 0.73     | 0.73     | 0.83     | 0.58     | 0.68            | 0.77     | 0.77     | 0.88     |  |
|                  |                    | PI         | 0.36     | 0.36            | 0.36     | 0.36     | 0.36     | 0.38     | 0.38            | 0.38     | 0.38     | 0.39     | 0.41     | 0.41          | 0.41     | 0.41     | 0.41     | 0.43     | 0.43            | 0.43     | 0.43     | 0.43     |  |
|                  | 14°F<br>(-10.0°C)  | TC         | 11574    | 11590           | 11602    | 11603    | 11619    | 12272    | 12286           | 12298    | 12301    | 12316    | 13005    | 13022         | 13036    | 13039    | 13053    | 13789    | 13804           | 13819    | 13821    | 13838    |  |
|                  |                    | S/T        | 0.49     | 0.57            | 0.65     | 0.65     | 0.74     | 0.52     | 0.61            | 0.69     | 0.69     | 0.78     | 0.55     | 0.64          | 0.73     | 0.73     | 0.83     | 0.58     | 0.68            | 0.77     | 0.77     | 0.88     |  |
|                  |                    | PI         | 0.39     | 0.39            | 0.39     | 0.39     | 0.40     | 0.42     | 0.42            | 0.42     | 0.42     | 0.42     | 0.44     | 0.44          | 0.44     | 0.44     | 0.44     | 0.47     | 0.47            | 0.47     | 0.47     | 0.47     |  |
|                  | 17°F<br>(-8.3°C)   | TC         | 11881    | 11897           | 11910    | 11910    | 11926    | 12597    | 12612           | 12624    | 12627    | 12642    | 13350    | 13367         | 13382    | 13384    | 13399    | 14154    | 14169           | 14185    | 14187    | 14205    |  |
|                  |                    | S/T        | 0.49     | 0.57            | 0.65     | 0.65     | 0.74     | 0.52     | 0.61            | 0.69     | 0.69     | 0.79     | 0.55     | 0.64          | 0.73     | 0.73     | 0.83     | 0.58     | 0.68            | 0.78     | 0.78     | 0.88     |  |
|                  |                    | PI         | 0.40     | 0.40            | 0.40     | 0.40     | 0.41     | 0.43     | 0.43            | 0.43     | 0.43     | 0.43     | 0.45     | 0.45          | 0.45     | 0.46     | 0.46     | 0.48     | 0.48            | 0.48     | 0.48     | 0.48     |  |
|                  | 23°F<br>(-5.0°C)   | TC         | 11743    | 11759           | 11772    | 11772    | 11788    | 12451    | 12466           | 12478    | 12480    | 12495    | 13195    | 13212         | 13227    | 13229    | 13244    | 13990    | 14005           | 14020    | 14022    | 14040    |  |
|                  |                    | S/T        | 0.49     | 0.58            | 0.65     | 0.65     | 0.75     | 0.52     | 0.61            | 0.69     | 0.69     | 0.79     | 0.55     | 0.65          | 0.74     | 0.74     | 0.84     | 0.58     | 0.69            | 0.78     | 0.78     | 0.89     |  |
|                  |                    | PI         | 0.43     | 0.43            | 0.43     | 0.43     | 0.43     | 0.45     | 0.45            | 0.46     | 0.46     | 0.46     | 0.48     | 0.48          | 0.48     | 0.48     | 0.48     | 0.51     | 0.51            | 0.51     | 0.51     | 0.51     |  |
|                  | 35°F<br>(1.7°C)    | TC         | 11467    | 11483           | 11495    | 11496    | 11511    | 12159    | 12173           | 12185    | 12187    | 12202    | 12885    | 12902         | 12916    | 12918    | 12933    | 13661    | 13676           | 13691    | 13693    | 13710    |  |
|                  |                    | S/T        | 0.49     | 0.58            | 0.66     | 0.66     | 0.75     | 0.52     | 0.61            | 0.70     | 0.70     | 0.79     | 0.55     | 0.65          | 0.74     | 0.74     | 0.84     | 0.59     | 0.69            | 0.78     | 0.78     | 0.89     |  |
|                  |                    | PI         | 0.48     | 0.48            | 0.48     | 0.48     | 0.48     | 0.51     | 0.51            | 0.51     | 0.51     | 0.51     | 0.54     | 0.54          | 0.54     | 0.54     | 0.54     | 0.57     | 0.57            | 0.57     | 0.57     | 0.57     |  |
|                  | 41°F<br>(5.0°C)    | TC         | 11691    | 11707           | 11719    | 11720    | 11736    | 12395    | 12410           | 12422    | 12425    | 12440    | 13136    | 13153         | 13168    | 13170    | 13185    | 13927    | 13943           | 13958    | 13960    | 13977    |  |
|                  |                    | S/T        | 0.49     | 0.58            | 0.66     | 0.66     | 0.75     | 0.52     | 0.61            | 0.70     | 0.70     | 0.80     | 0.56     | 0.65          | 0.74     | 0.74     | 0.84     | 0.59     | 0.69            | 0.78     | 0.78     | 0.89     |  |
|                  |                    | PI         | 0.48     | 0.48            | 0.48     | 0.48     | 0.49     | 0.51     | 0.51            | 0.51     | 0.51     | 0.51     | 0.54     | 0.54          | 0.54     | 0.54     | 0.54     | 0.58     | 0.58            | 0.58     | 0.58     | 0.58     |  |
|                  | 47°F<br>(8.3°C)    | TC         | 11914    | 11930           | 11943    | 11944    | 11960    | 12632    | 12647           | 12660    | 12662    | 12677    | 13387    | 13404         | 13419    | 13422    | 13437    | 14194    | 14209           | 14225    | 14227    | 14244    |  |
|                  |                    | S/T        | 0.50     | 0.58            | 0.66     | 0.66     | 0.75     | 0.53     | 0.62            | 0.70     | 0.70     | 0.80     | 0.56     | 0.65          | 0.74     | 0.74     | 0.85     | 0.59     | 0.69            | 0.79     | 0.79     | 0.90     |  |
|                  |                    | PI         | 0.49     | 0.49            | 0.49     | 0.49     | 0.49     | 0.52     | 0.52            | 0.52     | 0.52     | 0.52     | 0.55     | 0.55          | 0.55     | 0.55     | 0.55     | 0.58     | 0.58            | 0.58     | 0.58     | 0.59     |  |
|                  | 50°F<br>(10.0°C)   | TC         | 11985    | 12001           | 12014    | 12015    | 12031    | 12708    | 12723           | 12735    | 12738    | 12753    | 13467    | 13484         | 13499    | 13502    | 13517    | 14278    | 14294           | 14309    | 14311    | 14329    |  |
|                  |                    | S/T        | 0.50     | 0.58            | 0.66     | 0.66     | 0.76     | 0.53     | 0.62            | 0.70     | 0.70     | 0.80     | 0.56     | 0.66          | 0.75     | 0.75     | 0.85     | 0.59     | 0.70            | 0.79     | 0.79     | 0.90     |  |
|                  |                    | PI         | 0.50     | 0.50            | 0.50     | 0.50     | 0.50     | 0.53     | 0.53            | 0.53     | 0.53     | 0.53     | 0.56     | 0.56          | 0.56     | 0.56     | 0.56     | 0.59     | 0.59            | 0.59     | 0.59     | 0.59     |  |
| 59°F<br>(15.0°C) | TC                 | 12198      | 12215    | 12228           | 12228    | 12245    | 12933    | 12949    | 12961           | 12964    | 12979    | 13706    | 13724    | 13739         | 13742    | 13757    | 14532    | 14548    | 14563           | 14566    | 14584    |          |  |
|                  | S/T                | 0.50       | 0.59     | 0.67            | 0.67     | 0.76     | 0.53     | 0.62     | 0.71            | 0.71     | 0.81     | 0.56     | 0.66     | 0.75          | 0.75     | 0.86     | 0.60     | 0.70     | 0.80            | 0.80     | 0.91     |          |  |
|                  | PI                 | 0.51       | 0.51     | 0.51            | 0.51     | 0.51     | 0.54     | 0.54     | 0.54            | 0.54     | 0.54     | 0.58     | 0.58     | 0.58          | 0.58     | 0.58     | 0.61     | 0.61     | 0.61            | 0.61     | 0.61     |          |  |
| 68°F<br>(20.0°C) | TC                 | 12411      | 12428    | 12441           | 12442    | 12458    | 13159    | 13174    | 13188           | 13190    | 13206    | 13945    | 13963    | 13979         | 13981    | 13997    | 14785    | 14801    | 14817           | 14820    | 14838    |          |  |
|                  | S/T                | 0.51       | 0.60     | 0.69            | 0.69     | 0.78     | 0.54     | 0.64     | 0.73            | 0.73     | 0.83     | 0.58     | 0.68     | 0.77          | 0.77     | 0.88     | 0.61     | 0.72     | 0.82            | 0.82     | 0.93     |          |  |
|                  | PI                 | 0.53       | 0.53     | 0.53            | 0.53     | 0.53     | 0.56     | 0.56     | 0.56            | 0.56     | 0.56     | 0.59     | 0.59     | 0.60          | 0.60     | 0.60     | 0.63     | 0.63     | 0.63            | 0.63     | 0.63     |          |  |
| 77°F<br>(25.0°C) | TC                 | 12624      | 12641    | 12654           | 12655    | 12672    | 13385    | 13400    | 13414           | 13416    | 13432    | 14184    | 14203    | 14218         | 14221    | 14237    | 15039    | 15055    | 15072           | 15074    | 15093    |          |  |
|                  | S/T                | 0.52       | 0.61     | 0.69            | 0.69     | 0.79     | 0.55     | 0.65     | 0.74            | 0.74     | 0.84     | 0.59     | 0.69     | 0.78          | 0.78     | 0.89     | 0.62     | 0.73     | 0.83            | 0.83     | 0.94     |          |  |
|                  | PI                 | 0.54       | 0.55     | 0.55            | 0.55     | 0.55     | 0.58     | 0.58     | 0.58            | 0.58     | 0.58     | 0.61     | 0.61     | 0.61          | 0.61     | 0.61     | 0.65     | 0.65     | 0.65            | 0.65     | 0.65     |          |  |
| 82°F<br>(27.8°C) | TC                 | 12615      | 12632    | 12646           | 12647    | 12664    | 13376    | 13392    | 13405           | 13407    | 13423    | 14175    | 14193    | 14209         | 14212    | 14228    | 15029    | 15045    | 15062           | 15064    | 15083    |          |  |
|                  | S/T                | 0.53       | 0.62     | 0.70            | 0.70     | 0.80     | 0.56     | 0.66     | 0.75            | 0.75     | 0.85     | 0.59     | 0.70     | 0.79          | 0.79     | 0.90     | 0.63     | 0.74     | 0.84            | 0.84     | 0.95     |          |  |
|                  | PI                 | 0.61       | 0.61     | 0.61            | 0.61     | 0.61     | 0.65     | 0.65     | 0.65            | 0.65     | 0.65     | 0.69     | 0.69     | 0.69          | 0.69     | 0.69     | 0.73     | 0.73     | 0.73            | 0.73     | 0.73     |          |  |
| 86°F<br>(30.0°C) | TC                 | 12449      | 12466    | 12479           | 12480    | 12497    | 13199    | 13215    | 13228           | 13231    | 13246    | 13988    | 14006    | 14022         | 14024    | 14040    | 14831    | 14847    | 14863           | 14865    | 14884    |          |  |
|                  | S/T                | 0.53       | 0.63     | 0.71            | 0.71     | 0.81     | 0.57     | 0.66     | 0.75            | 0.75     | 0.86     | 0.60     | 0.70     | 0.80          | 0.80     | 0.91     | 0.64     | 0.75     | 0.85            | 0.85     | 0.97     |          |  |
|                  | PI                 | 0.74       | 0.74     | 0.74            | 0.74     | 0.74     | 0.78     | 0.78     | 0.78            | 0.78     | 0.78     | 0.83     | 0.83     | 0.83          | 0.83     | 0.83     | 0.88     | 0.88     | 0.88            | 0.88     | 0.88     |          |  |
| 95°F<br>(35.0°C  |                    |            |          |                 |          |          |          |          |                 |          |          |          |          |               |          |          |          |          |                 |          |          |          |  |

**Table 16 — Four-Way Cassette Heating Performance (9K)**

HEATING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 9 (Sheet 1 of 2)

| AIRFLOW<br>(CFM) | OUTDOOR<br>DB(°F) | TC: Total Heating Capacity (BTU/hr) |                  |                  |                    |                    | PI: Power Input (kW)      |                  |                  |                    |                    |
|------------------|-------------------|-------------------------------------|------------------|------------------|--------------------|--------------------|---------------------------|------------------|------------------|--------------------|--------------------|
|                  |                   | Indoor Conditions (DB °F)           |                  |                  |                    |                    | Indoor Conditions (DB °F) |                  |                  |                    |                    |
|                  |                   | 60.8°F<br>(16.0°C)                  | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) | 60.8°F<br>(16.0°C)        | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) |
| 182              | -22°F (-30.0°C)   | 3119                                | 3057             | 3042             | 2911               | 2885               | 1.07                      | 1.07             | 1.08             | 1.08               | 1.08               |
|                  | -13°F (-25.0°C)   | 4248                                | 4163             | 4142             | 3812               | 3778               | 1.17                      | 1.18             | 1.18             | 1.19               | 1.19               |
|                  | -4°F (-20.0°C)    | 5716                                | 5601             | 5573             | 5129               | 5082               | 1.38                      | 1.39             | 1.39             | 1.40               | 1.40               |
|                  | 0°F (-17.8°C)     | 6952                                | 6812             | 6778             | 6238               | 6181               | 1.51                      | 1.53             | 1.53             | 1.53               | 1.54               |
|                  | 5°F (-15.0°C)     | 8496                                | 8326             | 8285             | 7624               | 7555               | 1.68                      | 1.70             | 1.70             | 1.70               | 1.71               |
|                  | 14°F (-10.0°C)    | 9423                                | 9235             | 9189             | 8455               | 8379               | 1.69                      | 1.70             | 1.70             | 1.71               | 1.72               |
|                  | 17°F (-8.3°C)     | 9732                                | 9537             | 9490             | 8733               | 8654               | 1.69                      | 1.70             | 1.71             | 1.71               | 1.72               |
|                  | 22°F (-5.6°C)     | 10171                               | 9967             | 9917             | 9126               | 9044               | 1.67                      | 1.68             | 1.68             | 1.69               | 1.69               |
|                  | 27°F (-2.8°C)     | 10609                               | 10397            | 10345            | 9520               | 9434               | 1.65                      | 1.66             | 1.66             | 1.67               | 1.67               |
|                  | 32°F (0.0°C)      | 11048                               | 10827            | 10773            | 9913               | 9824               | 1.62                      | 1.64             | 1.64             | 1.64               | 1.65               |
|                  | 35°F (1.7°C)      | 11311                               | 11085            | 11029            | 10149              | 10058              | 1.61                      | 1.62             | 1.63             | 1.63               | 1.64               |
|                  | 37°F (2.8°C)      | 11486                               | 11256            | 11200            | 10306              | 10213              | 1.56                      | 1.57             | 1.57             | 1.57               | 1.58               |
|                  | 42°F (5.6°C)      | 11922                               | 11683            | 11625            | 10697              | 10601              | 1.42                      | 1.43             | 1.43             | 1.43               | 1.44               |
|                  | 44.6°F (7.0°C)    | 12096                               | 11855            | 11795            | 10854              | 10756              | 1.36                      | 1.37             | 1.37             | 1.38               | 1.38               |
|                  | 47°F (8.3°C)      | 12358                               | 12111            | 12051            | 11089              | 10989              | 1.28                      | 1.29             | 1.29             | 1.29               | 1.30               |
|                  | 52°F (11.1°C)     | 12020                               | 11780            | 11721            | 10785              | 10688              | 1.13                      | 1.14             | 1.14             | 1.15               | 1.15               |
|                  | 57°F (13.9°C)     | 11682                               | 11448            | 11391            | 10482              | 10388              | 0.99                      | 1.00             | 1.00             | 1.00               | 1.00               |
|                  | 59°F (15.0°C)     | 11547                               | 11316            | 11259            | 10361              | 10267              | 0.93                      | 0.94             | 0.94             | 0.94               | 0.94               |
| 265              | 62°F (16.7°C)     | 11344                               | 11117            | 11061            | 10179              | 10087              | 0.84                      | 0.85             | 0.85             | 0.85               | 0.86               |
|                  | 64.4°F (18.0°C)   | 11208                               | 10984            | 10929            | 10057              | 9967               | 0.78                      | 0.79             | 0.79             | 0.79               | 0.80               |
|                  | -22°F (-30.0°C)   | 3496                                | 3426             | 3409             | 3328               | 3299               | 1.08                      | 1.08             | 1.09             | 1.09               | 1.09               |
|                  | -13°F (-25.0°C)   | 4669                                | 4576             | 4553             | 4359               | 4319               | 1.18                      | 1.19             | 1.20             | 1.20               | 1.20               |
|                  | -4°F (-20.0°C)    | 6282                                | 6156             | 6126             | 5864               | 5812               | 1.39                      | 1.40             | 1.41             | 1.41               | 1.42               |
|                  | 0°F (-17.8°C)     | 7640                                | 7488             | 7450             | 7132               | 7068               | 1.53                      | 1.54             | 1.55             | 1.55               | 1.55               |
|                  | 5°F (-15.0°C)     | 9338                                | 9152             | 9106             | 8717               | 8639               | 1.70                      | 1.71             | 1.72             | 1.72               | 1.73               |
|                  | 14°F (-10.0°C)    | 10357                               | 10150            | 10099            | 9668               | 9581               | 1.70                      | 1.72             | 1.72             | 1.73               | 1.73               |
|                  | 17°F (-8.3°C)     | 10697                               | 10483            | 10430            | 9985               | 9896               | 1.71                      | 1.72             | 1.72             | 1.73               | 1.73               |
|                  | 22°F (-5.6°C)     | 11179                               | 10955            | 10900            | 10435              | 10342              | 1.68                      | 1.70             | 1.70             | 1.70               | 1.71               |
|                  | 27°F (-2.8°C)     | 11661                               | 11428            | 11370            | 10885              | 10787              | 1.66                      | 1.68             | 1.68             | 1.68               | 1.69               |
|                  | 32°F (0.0°C)      | 12143                               | 11900            | 11840            | 11335              | 11233              | 1.64                      | 1.65             | 1.66             | 1.66               | 1.67               |
|                  | 35°F (1.7°C)      | 12432                               | 12183            | 12123            | 11605              | 11501              | 1.63                      | 1.64             | 1.64             | 1.65               | 1.65               |
|                  | 37°F (2.8°C)      | 12624                               | 12371            | 12310            | 11785              | 11679              | 1.57                      | 1.58             | 1.59             | 1.59               | 1.60               |
|                  | 42°F (5.6°C)      | 13103                               | 12841            | 12777            | 12232              | 12122              | 1.43                      | 1.44             | 1.45             | 1.45               | 1.45               |
|                  | 44.6°F (7.0°C)    | 13295                               | 13029            | 12964            | 12411              | 12300              | 1.37                      | 1.39             | 1.39             | 1.39               | 1.40               |
|                  | 47°F (8.3°C)      | 13583                               | 13311            | 13245            | 12680              | 12566              | 1.29                      | 1.30             | 1.30             | 1.31               | 1.31               |
|                  | 52°F (11.1°C)     | 13211                               | 12947            | 12882            | 12333              | 12222              | 1.14                      | 1.15             | 1.16             | 1.16               | 1.16               |
| 312              | 57°F (13.9°C)     | 12840                               | 12583            | 12520            | 11986              | 11878              | 1.00                      | 1.01             | 1.01             | 1.01               | 1.01               |
|                  | 59°F (15.0°C)     | 12691                               | 12437            | 12375            | 11847              | 11740              | 0.94                      | 0.95             | 0.95             | 0.95               | 0.95               |
|                  | 62°F (16.7°C)     | 12468                               | 12218            | 12157            | 11639              | 11534              | 0.85                      | 0.86             | 0.86             | 0.86               | 0.87               |
|                  | 64.4°F (18.0°C)   | 12319                               | 12073            | 12012            | 11500              | 11397              | 0.79                      | 0.80             | 0.80             | 0.80               | 0.81               |
|                  | -22°F (-30.0°C)   | 3919                                | 3841             | 3821             | 3806               | 3772               | 1.09                      | 1.10             | 1.10             | 1.10               | 1.10               |
|                  | -13°F (-25.0°C)   | 5132                                | 5029             | 5004             | 4984               | 4939               | 1.20                      | 1.21             | 1.21             | 1.21               | 1.22               |
|                  | -4°F (-20.0°C)    | 6905                                | 6767             | 6733             | 6706               | 6645               | 1.41                      | 1.42             | 1.42             | 1.42               | 1.43               |
|                  | 0°F (-17.8°C)     | 8398                                | 8230             | 8189             | 8156               | 8082               | 1.55                      | 1.56             | 1.56             | 1.56               | 1.57               |
|                  | 5°F (-15.0°C)     | 10264                               | 10058            | 10008            | 9968               | 9878               | 1.72                      | 1.73             | 1.73             | 1.74               | 1.75               |
|                  | 14°F (-10.0°C)    | 11383                               | 11156            | 11100            | 11056              | 10956              | 1.72                      | 1.74             | 1.74             | 1.74               | 1.75               |
|                  | 17°F (-8.3°C)     | 11757                               | 11522            | 11464            | 11418              | 11315              | 1.72                      | 1.74             | 1.74             | 1.74               | 1.75               |
|                  | 22°F (-5.6°C)     | 12286                               | 12041            | 11981            | 11933              | 11825              | 1.70                      | 1.71             | 1.72             | 1.72               | 1.73               |
|                  | 27°F (-2.8°C)     | 12816                               | 12560            | 12497            | 12447              | 12335              | 1.68                      | 1.69             | 1.70             | 1.70               | 1.71               |
|                  | 32°F (0.0°C)      | 13346                               | 13079            | 13014            | 12962              | 12845              | 1.66                      | 1.67             | 1.67             | 1.68               | 1.68               |
|                  | 35°F (1.7°C)      | 13664                               | 13391            | 13324            | 13271              | 13151              | 1.64                      | 1.66             | 1.66             | 1.66               | 1.67               |
|                  | 37°F (2.8°C)      | 13875                               | 13597            | 13529            | 13475              | 13354              | 1.59                      | 1.60             | 1.60             | 1.61               | 1.61               |
|                  | 42°F (5.6°C)      | 14402                               | 14114            | 14043            | 13987              | 13861              | 1.45                      | 1.46             | 1.46             | 1.46               | 1.47               |
|                  | 44.6°F (7.0°C)    | 14613                               | 14321            | 14249            | 14192              | 14064              | 1.39                      | 1.40             | 1.40             | 1.41               | 1.41               |
|                  | 47°F (8.3°C)      | 14929                               | 14630            | 14557            | 14499              | 14369              | 1.30                      | 1.31             | 1.32             | 1.32               | 1.32               |
| 312              | 52°F (11.1°C)     | 14521                               | 14230            | 14159            | 14102              | 13975              | 1.16                      | 1.16             | 1.17             | 1.17               | 1.17               |
|                  | 57°F (13.9°C)     | 14112                               | 13830            | 13761            | 13706              | 13582              | 1.01                      | 1.02             | 1.02             | 1.02               | 1.02               |
|                  | 59°F (15.0°C)     | 13949                               | 13670            | 13601            | 13547              | 13425              | 0.95                      | 0.96             | 0.96             | 0.96               | 0.96               |
|                  | 62°F (16.7°C)     | 13703                               | 13429            | 13362            | 13309              | 13189              | 0.86                      | 0.87             | 0.87             | 0.87               | 0.87               |
|                  | 64.4°F (18.0°C)   | 13540                               | 13269            | 13203            | 13150              | 13032              | 0.80                      | 0.81             | 0.81             | 0.81               | 0.81               |

## HEATING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 9 (Sheet 2 of 2)

| AIRFLOW<br>(CFM) | OUTDOOR<br>DB(°F) | TC: Total Heating Capacity (BTU/hr) |                  |                  |                    |                    | PI: Power Input (kW)      |                  |                  |                    |                    |
|------------------|-------------------|-------------------------------------|------------------|------------------|--------------------|--------------------|---------------------------|------------------|------------------|--------------------|--------------------|
|                  |                   | Indoor Conditions (DB °F)           |                  |                  |                    |                    | Indoor Conditions (DB °F) |                  |                  |                    |                    |
|                  |                   | 60.8°F<br>(16.0°C)                  | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) | 60.8°F<br>(16.0°C)        | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) |
| 353              | -22°F (-30.0°C)   | 4307                                | 4221             | 4200             | 4183               | 4146               | 1.10                      | 1.11             | 1.11             | 1.11               | 1.12               |
|                  | -13°F (-25.0°C)   | 5640                                | 5528             | 5500             | 5478               | 5429               | 1.21                      | 1.22             | 1.22             | 1.22               | 1.23               |
|                  | -4°F (-20.0°C)    | 7589                                | 7437             | 7400             | 7370               | 7304               | 1.42                      | 1.43             | 1.44             | 1.44               | 1.44               |
|                  | 0°F (-17.8°C)     | 9230                                | 9045             | 9000             | 8964               | 8883               | 1.56                      | 1.57             | 1.58             | 1.58               | 1.59               |
|                  | 5°F (-15.0°C)     | 11281                               | 11055            | 11000            | 10956              | 10857              | 1.73                      | 1.75             | 1.75             | 1.76               | 1.76               |
|                  | 14°F (-10.0°C)    | 12512                               | 12261            | 12200            | 12151              | 12042              | 1.74                      | 1.75             | 1.76             | 1.76               | 1.77               |
|                  | 17°F (-8.3°C)     | 12922                               | 12663            | 12600            | 12550              | 12437              | 1.74                      | 1.75             | 1.76             | 1.76               | 1.77               |
|                  | 22°F (-5.6°C)     | 13504                               | 13234            | 13168            | 13115              | 12997              | 1.72                      | 1.73             | 1.74             | 1.74               | 1.75               |
|                  | 27°F (-2.8°C)     | 14086                               | 13805            | 13736            | 13681              | 13558              | 1.70                      | 1.71             | 1.71             | 1.72               | 1.72               |
|                  | 32°F (-0.0°C)     | 14669                               | 14375            | 14304            | 14246              | 14118              | 1.67                      | 1.69             | 1.69             | 1.69               | 1.70               |
|                  | 35°F (1.7°C)      | 15018                               | 14718            | 14644            | 14586              | 14454              | 1.66                      | 1.67             | 1.68             | 1.68               | 1.69               |
|                  | 37°F (2.8°C)      | 15250                               | 14945            | 14870            | 14811              | 14677              | 1.60                      | 1.62             | 1.62             | 1.62               | 1.63               |
|                  | 42°F (5.6°C)      | 15829                               | 15513            | 15435            | 15373              | 15235              | 1.46                      | 1.47             | 1.47             | 1.48               | 1.48               |
|                  | 44.6°F (7.0°C)    | 16061                               | 15740            | 15661            | 15598              | 15458              | 1.40                      | 1.41             | 1.42             | 1.42               | 1.43               |
|                  | 47°F (8.3°C)      | 16409                               | 16080            | 16000            | 15936              | 15793              | 1.32                      | 1.33             | 1.33             | 1.33               | 1.34               |
|                  | 52°F (11.1°C)     | 15960                               | 15640            | 15562            | 15500              | 15360              | 1.17                      | 1.18             | 1.18             | 1.18               | 1.19               |
|                  | 57°F (13.9°C)     | 15510                               | 15200            | 15124            | 15064              | 14928              | 1.02                      | 1.03             | 1.03             | 1.03               | 1.03               |
|                  | 59°F (15.0°C)     | 15331                               | 15024            | 14949            | 14889              | 14755              | 0.96                      | 0.97             | 0.97             | 0.97               | 0.97               |
|                  | 62°F (16.7°C)     | 15061                               | 14760            | 14686            | 14628              | 14496              | 0.87                      | 0.88             | 0.88             | 0.88               | 0.88               |
|                  | 64.4°F (18.0°C)   | 14882                               | 14584            | 14511            | 14453              | 14323              | 0.81                      | 0.82             | 0.82             | 0.82               | 0.82               |

NOTE: Values in grey are extrapolated based on tested performance.

**Table 17 — Four-Way Cassette Cooling Performance (12K)**

COOLING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 12 (Sheet 1 of 4)

| AIRFLOW<br>(CFM) | OUTDOOR<br>DB(°F)  | ID WB<br>(°F) | 60.8°F(16.0°C)     |                    |                    |                    |                    | 64.4°F(18.0°C)     |                    |                    |                    |                    | 67°F(19.4°C)       |                    |                    |                    |                    | 71.6°F(22.0°C)     |                    |                    |                    |                    |
|------------------|--------------------|---------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                  |                    | ID DB<br>(°F) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) |
|                  |                    | (°F)          | (23.0°C)           | (25.0°C)           | (26.7°C)           | (27.0°C)           | (29.0°C)           | (23.0°C)           | (25.0°C)           | (26.7°C)           | (27.0°C)           | (29.0°C)           | (23.0°C)           | (25.0°C)           | (26.7°C)           | (27.0°C)           | (29.0°C)           | (23.0°C)           | (25.0°C)           | (26.7°C)           | (27.0°C)           | (29.0°C)           |
| 194              | -22°F<br>(-30.0°C) | TC            | 6254               | 6262               | 6269               | 6269               | 6277               | 6630               | 6638               | 6645               | 6646               | 6654               | 7027               | 7036               | 7043               | 7045               | 7053               | 7450               | 7458               | 7466               | 7467               | 7477               |
|                  |                    | S/T           | 0.35               | 0.41               | 0.46               | 0.46               | 0.53               | 0.37               | 0.43               | 0.49               | 0.49               | 0.56               | 0.39               | 0.46               | 0.52               | 0.52               | 0.59               | 0.41               | 0.48               | 0.55               | 0.55               | 0.63               |
|                  |                    | PI            | 0.24               | 0.24               | 0.24               | 0.24               | 0.24               | 0.26               | 0.26               | 0.26               | 0.26               | 0.26               | 0.27               | 0.27               | 0.27               | 0.27               | 0.27               | 0.29               | 0.29               | 0.29               | 0.29               | 0.29               |
|                  | -13°F<br>(-25.0°C) | TC            | 6775               | 6784               | 6791               | 6791               | 6801               | 7183               | 7191               | 7199               | 7200               | 7208               | 7612               | 7622               | 7630               | 7632               | 7640               | 8071               | 8079               | 8088               | 8090               | 8100               |
|                  |                    | S/T           | 0.35               | 0.41               | 0.46               | 0.47               | 0.53               | 0.37               | 0.43               | 0.49               | 0.49               | 0.56               | 0.39               | 0.46               | 0.52               | 0.52               | 0.60               | 0.42               | 0.49               | 0.55               | 0.55               | 0.63               |
|                  |                    | PI            | 0.26               | 0.26               | 0.26               | 0.26               | 0.26               | 0.28               | 0.28               | 0.28               | 0.28               | 0.28               | 0.30               | 0.30               | 0.30               | 0.30               | 0.30               | 0.31               | 0.31               | 0.31               | 0.31               | 0.31               |
|                  | -4°F<br>(-20.0°C)  | TC            | 7296               | 7306               | 7313               | 7314               | 7324               | 7735               | 7745               | 7752               | 7754               | 7763               | 8198               | 8208               | 8217               | 8219               | 8228               | 8692               | 8701               | 8710               | 8712               | 8723               |
|                  |                    | S/T           | 0.35               | 0.41               | 0.47               | 0.47               | 0.53               | 0.37               | 0.44               | 0.50               | 0.50               | 0.57               | 0.39               | 0.46               | 0.53               | 0.53               | 0.60               | 0.42               | 0.49               | 0.56               | 0.56               | 0.63               |
|                  |                    | PI            | 0.28               | 0.28               | 0.28               | 0.28               | 0.28               | 0.30               | 0.30               | 0.30               | 0.30               | 0.30               | 0.32               | 0.32               | 0.32               | 0.32               | 0.32               | 0.34               | 0.34               | 0.34               | 0.34               | 0.34               |
|                  | 0°F<br>(-17.8°C)   | TC            | 7527               | 7538               | 7546               | 7546               | 7556               | 7981               | 7990               | 7998               | 8000               | 8009               | 8458               | 8469               | 8478               | 8480               | 8489               | 8967               | 8977               | 8987               | 8988               | 9000               |
|                  |                    | S/T           | 0.35               | 0.41               | 0.47               | 0.47               | 0.53               | 0.37               | 0.44               | 0.50               | 0.50               | 0.57               | 0.40               | 0.46               | 0.53               | 0.53               | 0.60               | 0.42               | 0.49               | 0.56               | 0.56               | 0.64               |
|                  |                    | PI            | 0.29               | 0.29               | 0.29               | 0.29               | 0.29               | 0.31               | 0.31               | 0.31               | 0.31               | 0.31               | 0.33               | 0.33               | 0.33               | 0.33               | 0.33               | 0.35               | 0.35               | 0.35               | 0.35               | 0.35               |
|                  | 5°F<br>(-15.0°C)   | TC            | 7817               | 7827               | 7836               | 7836               | 7847               | 8288               | 8298               | 8306               | 8308               | 8317               | 8783               | 8795               | 8804               | 8806               | 8816               | 9312               | 9322               | 9333               | 9334               | 9346               |
|                  |                    | S/T           | 0.35               | 0.41               | 0.47               | 0.47               | 0.54               | 0.37               | 0.44               | 0.50               | 0.50               | 0.57               | 0.40               | 0.47               | 0.53               | 0.53               | 0.60               | 0.42               | 0.49               | 0.56               | 0.56               | 0.64               |
|                  |                    | PI            | 0.30               | 0.30               | 0.30               | 0.30               | 0.30               | 0.32               | 0.32               | 0.32               | 0.32               | 0.32               | 0.34               | 0.34               | 0.34               | 0.34               | 0.34               | 0.36               | 0.36               | 0.36               | 0.36               | 0.36               |
|                  | 14°F(-10.0°<br>C)  | TC            | 8000               | 8011               | 8020               | 8020               | 8031               | 8483               | 8493               | 8501               | 8503               | 8513               | 8989               | 9001               | 9011               | 9013               | 9023               | 9531               | 9541               | 9552               | 9553               | 9565               |
|                  |                    | S/T           | 0.35               | 0.42               | 0.47               | 0.47               | 0.54               | 0.38               | 0.44               | 0.50               | 0.50               | 0.57               | 0.40               | 0.47               | 0.53               | 0.53               | 0.60               | 0.42               | 0.49               | 0.56               | 0.56               | 0.64               |
|                  |                    | PI            | 0.31               | 0.31               | 0.31               | 0.31               | 0.31               | 0.33               | 0.33               | 0.33               | 0.33               | 0.33               | 0.35               | 0.35               | 0.35               | 0.35               | 0.35               | 0.37               | 0.37               | 0.37               | 0.37               | 0.37               |
|                  | 17°F<br>(-8.3°C)   | TC            | 8062               | 8072               | 8081               | 8081               | 8092               | 8547               | 8558               | 8566               | 8568               | 8578               | 9058               | 9070               | 9080               | 9082               | 9092               | 9604               | 9614               | 9625               | 9626               | 9638               |
|                  |                    | S/T           | 0.36               | 0.42               | 0.47               | 0.47               | 0.54               | 0.38               | 0.44               | 0.50               | 0.50               | 0.57               | 0.40               | 0.47               | 0.53               | 0.53               | 0.61               | 0.42               | 0.50               | 0.56               | 0.56               | 0.64               |
|                  |                    | PI            | 0.31               | 0.31               | 0.31               | 0.31               | 0.31               | 0.33               | 0.33               | 0.33               | 0.33               | 0.33               | 0.35               | 0.35               | 0.35               | 0.35               | 0.35               | 0.37               | 0.37               | 0.37               | 0.37               | 0.37               |
|                  | 23°F<br>(-5.0°C)   | TC            | 8084               | 8094               | 8103               | 8103               | 8114               | 8571               | 8581               | 8589               | 8591               | 8601               | 9083               | 9095               | 9105               | 9106               | 9117               | 9630               | 9640               | 9651               | 9652               | 9664               |
|                  |                    | S/T           | 0.36               | 0.42               | 0.48               | 0.48               | 0.54               | 0.38               | 0.44               | 0.50               | 0.50               | 0.58               | 0.40               | 0.47               | 0.53               | 0.53               | 0.61               | 0.43               | 0.50               | 0.57               | 0.57               | 0.65               |
|                  |                    | PI            | 0.33               | 0.34               | 0.34               | 0.34               | 0.34               | 0.35               | 0.36               | 0.36               | 0.36               | 0.36               | 0.38               | 0.38               | 0.38               | 0.38               | 0.38               | 0.40               | 0.40               | 0.40               | 0.40               | 0.40               |
|                  | 35°F<br>(1.7°C)    | TC            | 8127               | 8138               | 8147               | 8148               | 8159               | 8617               | 8627               | 8636               | 8638               | 8648               | 9132               | 9144               | 9154               | 9156               | 9166               | 9682               | 9693               | 9703               | 9705               | 9717               |
|                  |                    | S/T           | 0.36               | 0.42               | 0.48               | 0.48               | 0.55               | 0.38               | 0.45               | 0.51               | 0.51               | 0.58               | 0.40               | 0.47               | 0.54               | 0.54               | 0.61               | 0.43               | 0.50               | 0.57               | 0.57               | 0.65               |
|                  |                    | PI            | 0.38               | 0.38               | 0.38               | 0.38               | 0.38               | 0.40               | 0.40               | 0.40               | 0.40               | 0.40               | 0.43               | 0.43               | 0.43               | 0.43               | 0.43               | 0.45               | 0.45               | 0.45               | 0.45               | 0.45               |
|                  | 41°F<br>(5.0°C)    | TC            | 8483               | 8495               | 8504               | 8504               | 8516               | 8994               | 9005               | 9014               | 9016               | 9026               | 9532               | 9544               | 9555               | 9557               | 9567               | 10106              | 10117              | 10128              | 10130              | 10142              |
|                  |                    | S/T           | 0.36               | 0.42               | 0.48               | 0.48               | 0.55               | 0.38               | 0.45               | 0.51               | 0.51               | 0.58               | 0.40               | 0.47               | 0.54               | 0.54               | 0.61               | 0.43               | 0.50               | 0.57               | 0.57               | 0.65               |
|                  |                    | PI            | 0.40               | 0.40               | 0.40               | 0.40               | 0.40               | 0.42               | 0.42               | 0.42               | 0.42               | 0.42               | 0.45               | 0.45               | 0.45               | 0.45               | 0.45               | 0.47               | 0.47               | 0.47               | 0.47               | 0.47               |
|                  | 47°F<br>(8.3°C)    | TC            | 8839               | 8851               | 8860               | 8861               | 8873               | 9372               | 9383               | 9392               | 9394               | 9405               | 9932               | 9944               | 9956               | 9957               | 9969               | 10530              | 10541              | 10553              | 10555              | 10568              |
|                  |                    | S/T           | 0.36               | 0.42               | 0.48               | 0.48               | 0.55               | 0.38               | 0.45               | 0.51               | 0.51               | 0.58               | 0.41               | 0.48               | 0.54               | 0.54               | 0.62               | 0.43               | 0.50               | 0.57               | 0.57               | 0.65               |
|                  |                    | PI            | 0.41               | 0.41               | 0.41               | 0.41               | 0.42               | 0.44               | 0.44               | 0.44               | 0.44               | 0.44               | 0.46               | 0.47               | 0.47               | 0.47               | 0.47               | 0.49               | 0.49               | 0.49               | 0.49               | 0.49               |
|                  | 50°F<br>(10.0°C)   | TC            | 8934               | 8946               | 8955               | 8956               | 8968               | 9472               | 9483               | 9493               | 9495               | 9506               | 10038              | 10051              | 10062              | 10064              | 10075              | 10643              | 10655              | 10666              | 10668              | 10681              |
|                  |                    | S/T           | 0.36               | 0.43               | 0.48               | 0.48               | 0.55               | 0.38               | 0.45               | 0.51               | 0.51               | 0.58               | 0.41               | 0.48               | 0.54               | 0.54               | 0.62               | 0.43               | 0.51               | 0.58               | 0.58               | 0.66               |
|                  |                    | PI            | 0.42               | 0.42               | 0.42               | 0.42               | 0.42               | 0.44               | 0.44               | 0.44               | 0.44               | 0.44               | 0.47               | 0.47               | 0.47               | 0.47               | 0.47               | 0.50               | 0.50               | 0.50               | 0.50               | 0.50               |
|                  | 59°F<br>(15.0°C)   | TC            | 9218               | 9231               | 9241               | 9241               | 9254               | 9774               | 9785               | 9795               | 9797               | 9809               | 10358              | 10371              | 10383              | 10385              | 10396              | 10982              | 10994              | 11006              | 11008              | 11021              |
|                  |                    | S/T           | 0.36               | 0.43               | 0.49               | 0.49               | 0.55               | 0.39               | 0.45               | 0.51               | 0.51               | 0.59               | 0.41               | 0.48               | 0.55               | 0.55               | 0.62               | 0.43               | 0.51               | 0.58               | 0.58               | 0.66               |
|                  |                    | PI            | 0.42               | 0.42               | 0.42               | 0.42               | 0.42               | 0.45               | 0.45               | 0.45               | 0.45               | 0.45               | 0.48               | 0.48               | 0.48               | 0.48               | 0.48               | 0.50               | 0.50               | 0.51               | 0.51               | 0.51               |
|                  | 68°F<br>(20.0°C)   | TC            | 9503               | 9516               | 9526               | 9526               | 9539               | 10076              | 10088              | 10097              | 10099              | 10111              | 10678              | 10691              | 10703              | 10705              | 10717              | 11321              | 11333              | 11346              | 11347              | 11361              |
|                  |                    | S/T           | 0.37               | 0.44               | 0.50               | 0.50               | 0.57               | 0.40               | 0.47               | 0.53               | 0.53               | 0.60               | 0.42               | 0.49               | 0.56               | 0.56               | 0.64               | 0.45               | 0.52               | 0.59               | 0.59               | 0.68               |
|                  |                    | PI            | 0.43               | 0.43               | 0.43               | 0.43               | 0.43               | 0.46               | 0.46               | 0.46               | 0.46               | 0.46               | 0.48               | 0.48               | 0.48               | 0.48               | 0.48               | 0.51               | 0.51               | 0.51               | 0.51               | 0.51               |
|                  | 77°F<br>(25.0°C)   | TC            | 9787               | 9801               | 9811               | 9812               | 9825               | 10377              | 10390              | 10400              | 10402              | 10414              | 10997              | 11012              | 11024              | 11026              | 11038              | 11660              | 11673              | 11685              | 11687              | 11702              |
|                  |                    | S/T           | 0.38               | 0.44               | 0.51               | 0.51               | 0.58               | 0.40               | 0.47               | 0.54               | 0.54               | 0.61               | 0.43               | 0.50               | 0.57               | 0.57               | 0.65               | 0.45               | 0.53               | 0.60               | 0.60               | 0.69               |
|                  |                    | PI            | 0.44               | 0.44               | 0.44               | 0.44               | 0.44               | 0.46               | 0.46               | 0.46               | 0.46               | 0.46               | 0.49               | 0.49               | 0.49               | 0.49               | 0.49               | 0.52               | 0.52               | 0.52               | 0.52               | 0.52               |
|                  | 82°F<br>(27.8°C)   | TC            | 9867               | 9881               | 9891               | 9892               | 9905               | 10462              | 10474              | 10485              | 10487              | 10499              | 11087              | 11101              | 11114              | 11116              | 11128              | 11755              | 11768              | 11781              | 11783              | 11797              |
|                  |                    | S/T           | 0.38               | 0.45               | 0.51               | 0.51               | 0.58               | 0.41               | 0.48               | 0.54               | 0.54               | 0.62               | 0.43               | 0.51               | 0.57               | 0.57               | 0.66               | 0.46               | 0.54               | 0.61               | 0.61               | 0.69               |
|                  |                    | PI            | 0.49               | 0.49               | 0.49               | 0.49               | 0.49               | 0.52               | 0.52               | 0.52               | 0.52               | 0.52               | 0.55               | 0.55               | 0.55               | 0.55               | 0.58               | 0.58               | 0.58               | 0.58               | 0.58               | 0.58               |
|                  | 86°F<br>(30.0°C)   | TC            | 9833               | 9846               | 9857               | 9857               | 9870               | 10425              | 10438              | 10448              | 10450              | 10462              | 11048              | 11063              | 11075              | 11077              | 11089              | 11714              | 11727              | 11739              | 11741              | 11756              |
|                  |                    | S/T           | 0.39               | 0.46               | 0.52               | 0.52               | 0.59               | 0.41               | 0.48               | 0.55               | 0.55               | 0.63               | 0.44               | 0.51               | 0.58               | 0.58               | 0.66               | 0.46               | 0.54               | 0.62               | 0.62               | 0.70               |
|                  |                    | PI            | 0.59               | 0.59               | 0.59               | 0.59               | 0.59               | 0.62               | 0.62               | 0.63               | 0.63               | 0.63               | 0.66               | 0.66               | 0.66               | 0.66               | 0.66               | 0.70               | 0.70               | 0.70               | 0.70               | 0.70               |
|                  | 95°F<br>(35.0°C)   | TC            | 9755               | 9768               | 9779               | 9779               |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |

COOLING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 12 (Sheet 2 of 4)

| AIRFLOW<br>(CFM) | OUTDOOR<br>DB(°F)  | ID WB<br>(°F) | 60.8°F(16.0°C) |                    |                    |                    |                    | 64.4°F(18.0°C)     |                    |                    |                    |                    | 67°F(19.4°C)       |                    |                    |                    |                    | 71.6°F(22.0°C)     |                    |                    |                    |                    |                    |
|------------------|--------------------|---------------|----------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                  |                    |               | ID DB<br>(°F)  | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) |
|                  |                    |               | (°F)           | (23.0°C)           | (25.0°C)           | (26.7°C)           | (27.0°C)           | (29.0°C)           | (23.0°C)           | (25.0°C)           | (26.7°C)           | (27.0°C)           | (29.0°C)           | (23.0°C)           | (25.0°C)           | (26.7°C)           | (27.0°C)           | (29.0°C)           | (23.0°C)           | (25.0°C)           | (26.7°C)           | (27.0°C)           | (29.0°C)           |
| 306              | -22°F<br>(-30.0°C) | TC            | 6953           | 6962               | 6970               | 6970               | 6979               | 7372               | 7380               | 7388               | 7389               | 7398               | 7812               | 7822               | 7831               | 7832               | 7841               | 8283               | 8292               | 8301               | 8302               | 8312               |                    |
|                  |                    | S/T           | 0.39           | 0.45               | 0.51               | 0.51               | 0.59               | 0.41               | 0.48               | 0.54               | 0.54               | 0.62               | 0.43               | 0.51               | 0.58               | 0.58               | 0.66               | 0.46               | 0.54               | 0.61               | 0.61               | 0.70               |                    |
|                  |                    | PI            | 0.27           | 0.27               | 0.27               | 0.27               | 0.27               | 0.29               | 0.29               | 0.29               | 0.29               | 0.29               | 0.30               | 0.30               | 0.30               | 0.30               | 0.30               | 0.32               | 0.32               | 0.32               | 0.32               | 0.32               |                    |
|                  | -13°F<br>(-25.0°C) | TC            | 7532           | 7542               | 7550               | 7551               | 7561               | 7986               | 7995               | 8003               | 8005               | 8014               | 8463               | 8474               | 8484               | 8485               | 8495               | 8973               | 8983               | 8993               | 8994               | 9005               |                    |
|                  |                    | S/T           | 0.39           | 0.45               | 0.52               | 0.52               | 0.59               | 0.41               | 0.48               | 0.55               | 0.55               | 0.62               | 0.44               | 0.51               | 0.58               | 0.58               | 0.66               | 0.46               | 0.54               | 0.62               | 0.62               | 0.70               |                    |
|                  |                    | PI            | 0.29           | 0.29               | 0.29               | 0.29               | 0.29               | 0.31               | 0.31               | 0.31               | 0.31               | 0.31               | 0.33               | 0.33               | 0.33               | 0.33               | 0.33               | 0.35               | 0.35               | 0.35               | 0.35               | 0.35               |                    |
|                  | -4°F<br>(-20.0°C)  | TC            | 8111           | 8122               | 8131               | 8132               | 8142               | 8600               | 8611               | 8619               | 8621               | 8631               | 9114               | 9126               | 9136               | 9138               | 9148               | 9663               | 9674               | 9684               | 9686               | 9698               |                    |
|                  |                    | S/T           | 0.39           | 0.46               | 0.52               | 0.52               | 0.59               | 0.41               | 0.48               | 0.55               | 0.55               | 0.63               | 0.44               | 0.51               | 0.58               | 0.58               | 0.67               | 0.46               | 0.54               | 0.62               | 0.62               | 0.71               |                    |
|                  |                    | PI            | 0.31           | 0.31               | 0.32               | 0.32               | 0.32               | 0.33               | 0.33               | 0.33               | 0.33               | 0.33               | 0.35               | 0.35               | 0.35               | 0.35               | 0.35               | 0.37               | 0.38               | 0.38               | 0.38               | 0.38               |                    |
|                  | 0°F<br>(-17.8°C)   | TC            | 8369           | 8380               | 8389               | 8390               | 8401               | 8873               | 8884               | 8893               | 8894               | 8905               | 9403               | 9416               | 9426               | 9428               | 9438               | 9970               | 9981               | 9992               | 9993               | 10006              |                    |
|                  |                    | S/T           | 0.39           | 0.46               | 0.52               | 0.52               | 0.59               | 0.41               | 0.49               | 0.55               | 0.55               | 0.63               | 0.44               | 0.52               | 0.59               | 0.59               | 0.67               | 0.47               | 0.55               | 0.62               | 0.62               | 0.71               |                    |
|                  |                    | PI            | 0.32           | 0.32               | 0.33               | 0.33               | 0.33               | 0.34               | 0.34               | 0.34               | 0.34               | 0.35               | 0.36               | 0.37               | 0.37               | 0.37               | 0.37               | 0.39               | 0.39               | 0.39               | 0.39               | 0.39               |                    |
|                  | 5°F<br>(-15.0°C)   | TC            | 8691           | 8703               | 8712               | 8712               | 8724               | 9215               | 9226               | 9235               | 9236               | 9247               | 9765               | 9778               | 9789               | 9791               | 9801               | 10354              | 10365              | 10376              | 10378              | 10391              |                    |
|                  |                    | S/T           | 0.39           | 0.46               | 0.52               | 0.52               | 0.60               | 0.42               | 0.49               | 0.56               | 0.56               | 0.63               | 0.44               | 0.52               | 0.59               | 0.59               | 0.67               | 0.47               | 0.55               | 0.62               | 0.62               | 0.71               |                    |
|                  |                    | PI            | 0.34           | 0.34               | 0.34               | 0.34               | 0.34               | 0.36               | 0.36               | 0.36               | 0.36               | 0.36               | 0.38               | 0.38               | 0.38               | 0.38               | 0.38               | 0.40               | 0.40               | 0.40               | 0.40               | 0.40               |                    |
|                  | 14°F<br>(-10.0°C)  | TC            | 8895           | 8907               | 8916               | 8917               | 8929               | 9431               | 9442               | 9451               | 9453               | 9465               | 9994               | 10007              | 10019              | 10020              | 10032              | 10597              | 10608              | 10620              | 10621              | 10635              |                    |
|                  |                    | S/T           | 0.39           | 0.46               | 0.53               | 0.53               | 0.60               | 0.42               | 0.49               | 0.56               | 0.56               | 0.63               | 0.44               | 0.52               | 0.59               | 0.59               | 0.67               | 0.47               | 0.55               | 0.63               | 0.63               | 0.71               |                    |
|                  |                    | PI            | 0.34           | 0.35               | 0.35               | 0.35               | 0.35               | 0.37               | 0.37               | 0.37               | 0.37               | 0.37               | 0.39               | 0.39               | 0.39               | 0.39               | 0.39               | 0.41               | 0.41               | 0.41               | 0.41               | 0.41               |                    |
|                  | 17°F<br>(-8.3°C)   | TC            | 8963           | 8975               | 8985               | 8985               | 8997               | 9503               | 9514               | 9524               | 9526               | 9537               | 10071              | 10084              | 10095              | 10097              | 10108              | 10678              | 10689              | 10701              | 10703              | 10716              |                    |
|                  |                    | S/T           | 0.39           | 0.46               | 0.53               | 0.53               | 0.60               | 0.42               | 0.49               | 0.56               | 0.56               | 0.64               | 0.44               | 0.52               | 0.59               | 0.59               | 0.67               | 0.47               | 0.55               | 0.63               | 0.63               | 0.72               |                    |
|                  |                    | PI            | 0.35           | 0.35               | 0.35               | 0.35               | 0.35               | 0.37               | 0.37               | 0.37               | 0.37               | 0.37               | 0.39               | 0.39               | 0.39               | 0.39               | 0.39               | 0.41               | 0.41               | 0.41               | 0.41               | 0.42               |                    |
|                  | 23°F<br>(-5.0°C)   | TC            | 8987           | 8999               | 9009               | 9010               | 9022               | 9529               | 9540               | 9550               | 9552               | 9563               | 10098              | 10111              | 10123              | 10125              | 10136              | 10707              | 10718              | 10730              | 10732              | 10745              |                    |
|                  |                    | S/T           | 0.40           | 0.47               | 0.53               | 0.53               | 0.60               | 0.42               | 0.49               | 0.56               | 0.56               | 0.64               | 0.45               | 0.52               | 0.59               | 0.59               | 0.68               | 0.47               | 0.55               | 0.63               | 0.63               | 0.72               |                    |
|                  |                    | PI            | 0.37           | 0.37               | 0.37               | 0.37               | 0.37               | 0.39               | 0.40               | 0.40               | 0.40               | 0.40               | 0.42               | 0.42               | 0.42               | 0.42               | 0.42               | 0.44               | 0.44               | 0.44               | 0.44               | 0.45               |                    |
|                  | 35°F<br>(1.7°C)    | TC            | 9036           | 9048               | 9058               | 9058               | 9071               | 9581               | 9592               | 9602               | 9603               | 9615               | 10153              | 10166              | 10178              | 10180              | 10191              | 10765              | 10777              | 10788              | 10790              | 10803              |                    |
|                  |                    | S/T           | 0.40           | 0.47               | 0.53               | 0.53               | 0.61               | 0.42               | 0.50               | 0.56               | 0.56               | 0.64               | 0.45               | 0.53               | 0.60               | 0.60               | 0.68               | 0.48               | 0.56               | 0.63               | 0.63               | 0.72               |                    |
|                  |                    | PI            | 0.42           | 0.42               | 0.42               | 0.42               | 0.42               | 0.45               | 0.45               | 0.45               | 0.45               | 0.45               | 0.47               | 0.47               | 0.47               | 0.48               | 0.48               | 0.50               | 0.50               | 0.50               | 0.50               | 0.50               |                    |
|                  | 41°F<br>(5.0°C)    | TC            | 9432           | 9444               | 9455               | 9455               | 9468               | 10000              | 10012              | 10022              | 10024              | 10036              | 10598              | 10611              | 10623              | 10625              | 10637              | 11236              | 11248              | 11261              | 11262              | 11276              |                    |
|                  |                    | S/T           | 0.40           | 0.47               | 0.53               | 0.53               | 0.61               | 0.42               | 0.50               | 0.56               | 0.57               | 0.64               | 0.45               | 0.53               | 0.60               | 0.60               | 0.68               | 0.48               | 0.56               | 0.63               | 0.63               | 0.72               |                    |
|                  |                    | PI            | 0.44           | 0.44               | 0.44               | 0.44               | 0.44               | 0.47               | 0.47               | 0.47               | 0.47               | 0.47               | 0.50               | 0.50               | 0.50               | 0.50               | 0.50               | 0.53               | 0.53               | 0.53               | 0.53               | 0.53               |                    |
|                  | 47°F<br>(8.3°C)    | TC            | 9827           | 9840               | 9851               | 9851               | 9865               | 10419              | 10432              | 10442              | 10444              | 10457              | 11042              | 11056              | 11069              | 11071              | 11083              | 11707              | 11720              | 11733              | 11735              | 11749              |                    |
|                  |                    | S/T           | 0.40           | 0.47               | 0.53               | 0.53               | 0.61               | 0.43               | 0.50               | 0.57               | 0.57               | 0.65               | 0.45               | 0.53               | 0.60               | 0.60               | 0.68               | 0.48               | 0.56               | 0.64               | 0.64               | 0.73               |                    |
|                  |                    | PI            | 0.46           | 0.46               | 0.46               | 0.46               | 0.46               | 0.49               | 0.49               | 0.49               | 0.49               | 0.49               | 0.52               | 0.52               | 0.52               | 0.52               | 0.52               | 0.55               | 0.55               | 0.55               | 0.55               | 0.55               |                    |
|                  | 50°F<br>(10.0°C)   | TC            | 9933           | 9946               | 9957               | 9957               | 9971               | 10531              | 10544              | 10554              | 10556              | 10569              | 11160              | 11175              | 11187              | 11189              | 11202              | 11833              | 11846              | 11859              | 11861              | 11875              |                    |
|                  |                    | S/T           | 0.40           | 0.47               | 0.54               | 0.54               | 0.61               | 0.43               | 0.50               | 0.57               | 0.57               | 0.65               | 0.45               | 0.53               | 0.60               | 0.60               | 0.69               | 0.48               | 0.56               | 0.64               | 0.64               | 0.73               |                    |
|                  |                    | PI            | 0.46           | 0.46               | 0.46               | 0.46               | 0.46               | 0.49               | 0.49               | 0.49               | 0.49               | 0.49               | 0.52               | 0.52               | 0.52               | 0.52               | 0.52               | 0.55               | 0.55               | 0.55               | 0.55               | 0.55               |                    |
|                  | 59°F<br>(15.0°C)   | TC            | 10249          | 10263              | 10274              | 10274              | 10288              | 10867              | 10880              | 10890              | 10892              | 10905              | 11516              | 11531              | 11544              | 11546              | 11559              | 12210              | 12223              | 12236              | 12238              | 12253              |                    |
|                  |                    | S/T           | 0.40           | 0.48               | 0.54               | 0.54               | 0.62               | 0.43               | 0.50               | 0.57               | 0.57               | 0.65               | 0.46               | 0.53               | 0.61               | 0.61               | 0.69               | 0.48               | 0.57               | 0.64               | 0.64               | 0.73               |                    |
|                  |                    | PI            | 0.47           | 0.47               | 0.47               | 0.47               | 0.47               | 0.50               | 0.50               | 0.50               | 0.50               | 0.50               | 0.53               | 0.53               | 0.53               | 0.53               | 0.53               | 0.56               | 0.56               | 0.56               | 0.56               | 0.56               |                    |
|                  | 68°F<br>(20.0°C)   | TC            | 10565          | 10580              | 10591              | 10591              | 10606              | 11202              | 11215              | 11226              | 11229              | 11242              | 11871              | 11887              | 11900              | 11902              | 11916              | 12587              | 12600              | 12614              | 12616              | 12632              |                    |
|                  |                    | S/T           | 0.42           | 0.49               | 0.55               | 0.55               | 0.63               | 0.44               | 0.52               | 0.59               | 0.59               | 0.67               | 0.47               | 0.55               | 0.62               | 0.62               | 0.71               | 0.50               | 0.58               | 0.66               | 0.66               | 0.75               |                    |
|                  |                    | PI            | 0.48           | 0.48               | 0.48               | 0.48               | 0.48               | 0.51               | 0.51               | 0.51               | 0.51               | 0.51               | 0.54               | 0.54               | 0.54               | 0.54               | 0.57               | 0.57               | 0.57               | 0.57               | 0.57               |                    |                    |
|                  | 77°F<br>(25.0°C)   | TC            | 10882          | 10896              | 10908              | 10909              | 10923              | 11538              | 11551              | 11563              | 11565              | 11579              | 12227              | 12243              | 12256              | 12259              | 12272              | 12964              | 12978              | 12992              | 12994              | 13010              |                    |
|                  |                    | S/T           | 0.42           | 0.49               | 0.56               | 0.56               | 0.64               | 0.45               | 0.52               | 0.60               | 0.60               | 0.68               | 0.47               | 0.56               | 0.63               | 0.63               | 0.72               | 0.50               | 0.59               | 0.67               | 0.67               | 0.76               |                    |
|                  |                    | PI            | 0.49           | 0.49               | 0.49               | 0.49               | 0.49               | 0.52               | 0.52               | 0.52               | 0.52               | 0.52               | 0.55               | 0.55               | 0.55               | 0.55               | 0.58               | 0.58               | 0.58               | 0.58               | 0.58               |                    |                    |
|                  | 82°F<br>(27.8°C)   | TC            | 10971          | 10985              | 10997              | 10998              | 11013              | 11632              | 11646              | 11657              | 11659              | 11673              | 12327              | 12343              | 12356              | 12359              | 12373              | 13069              | 13084              | 13098              | 13100              | 13116              |                    |
|                  |                    | S/T           | 0.43           | 0.50               | 0.57               | 0.57               | 0.65               | 0.45               | 0.53               | 0.60               | 0.60               | 0.69               | 0.48               | 0.56               | 0.64               | 0.64               | 0.73               | 0.51               | 0.60               | 0.68               | 0.68               | 0.77               |                    |
|                  |                    | PI            | 0.54           | 0.54               | 0.54               | 0.54               | 0.54               | 0.58               | 0.58               | 0.58               | 0.58               | 0.58               | 0.61               | 0.61               | 0.61               | 0.61               | 0.65               | 0.65               | 0.65               | 0.65               | 0.65               |                    |                    |
|                  | 86°F<br>(30.0°C)   | TC            | 10932          | 10947              | 10959              | 10959              | 10974              | 11591              | 11605              | 11616              | 11618              | 11632              | 12283              | 12299              | 12313              | 12315              | 12329              | 13024              | 13038              | 13052              | 13054              | 13070              |                    |
|                  |                    | S/T           | 0.43           | 0.51               | 0.58               | 0.58               | 0.66               | 0.46               | 0.54               | 0.61               | 0.61               | 0.70               | 0.49               | 0.57               | 0.65               | 0.65               | 0.74               | 0.51               | 0.60               | 0.69               | 0.69               | 0.78               |                    |
|                  |                    | PI            | 0.65           | 0.65               | 0.66               | 0.66               | 0.66               | 0.69               | 0.69               | 0.69               | 0.70               | 0.70               | 0.73               | 0.74               | 0.74               | 0.74               | 0.74               | 0.78               | 0.78               | 0.78               | 0.78               | 0.78               |                    |
|                  | 95°F<br>(35.0°C)   | TC            | 10846          | 10860              | 10872              | 10872              | 10887              | 11499              | 11513              | 11524              | 11527              | 11540              |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |

COOLING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 12 (Sheet 3 of 4)

| AIRFLOW<br>(CFM) | OUTDOOR<br>DB(°F)  | ID WB<br>(°F) | 60.8°F(16.0°C) |                    |                    |                    |                    | 64.4°F(18.0°C)     |                    |                    |                    |                    | 67°F(19.4°C)       |                    |                    |                    |                    | 71.6°F(22.0°C)     |                    |                    |                    |                    |                    |
|------------------|--------------------|---------------|----------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                  |                    |               | ID DB<br>(°F)  | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) |
|                  |                    |               | (°F)           | (23.0°C)           | (25.0°C)           | (26.7°C)           | (27.0°C)           | (29.0°C)           | (23.0°C)           | (25.0°C)           | (26.7°C)           | (27.0°C)           | (29.0°C)           | (23.0°C)           | (25.0°C)           | (26.7°C)           | (27.0°C)           | (29.0°C)           | (23.0°C)           | (25.0°C)           | (26.7°C)           | (27.0°C)           | (29.0°C)           |
| 365              | -22°F<br>(-30.0°C) | TC            | 7730           | 7740               | 7749               | 7749               | 7760               | 8196               | 8206               | 8214               | 8215               | 8225               | 8686               | 8697               | 8707               | 8708               | 8718               | 9209               | 9219               | 9229               | 9230               | 9242               |                    |
|                  |                    | S/T           | 0.43           | 0.50               | 0.57               | 0.57               | 0.65               | 0.45               | 0.53               | 0.61               | 0.61               | 0.69               | 0.48               | 0.56               | 0.64               | 0.64               | 0.73               | 0.51               | 0.60               | 0.68               | 0.68               | 0.78               |                    |
|                  |                    | PI            | 0.30           | 0.30               | 0.30               | 0.30               | 0.30               | 0.32               | 0.32               | 0.32               | 0.32               | 0.32               | 0.34               | 0.34               | 0.34               | 0.34               | 0.34               | 0.36               | 0.36               | 0.36               | 0.36               | 0.36               |                    |
|                  | -13°F<br>(-25.0°C) | TC            | 8374           | 8385               | 8395               | 8395               | 8406               | 8879               | 8889               | 8898               | 8900               | 8911               | 9409               | 9422               | 9432               | 9434               | 9444               | 9976               | 9987               | 9998               | 10000              | 10012              |                    |
|                  |                    | S/T           | 0.43           | 0.51               | 0.57               | 0.57               | 0.66               | 0.46               | 0.54               | 0.61               | 0.61               | 0.69               | 0.48               | 0.57               | 0.65               | 0.65               | 0.74               | 0.51               | 0.60               | 0.68               | 0.68               | 0.78               |                    |
|                  |                    | PI            | 0.32           | 0.33               | 0.33               | 0.33               | 0.33               | 0.34               | 0.34               | 0.34               | 0.35               | 0.35               | 0.36               | 0.37               | 0.37               | 0.37               | 0.37               | 0.39               | 0.39               | 0.39               | 0.39               | 0.39               |                    |
|                  | -4°F<br>(-20.0°C)  | TC            | 9018           | 9031               | 9040               | 9041               | 9053               | 9562               | 9573               | 9583               | 9585               | 9596               | 10133              | 10146              | 10158              | 10160              | 10171              | 10744              | 10755              | 10767              | 10769              | 10782              |                    |
|                  |                    | S/T           | 0.43           | 0.51               | 0.58               | 0.58               | 0.66               | 0.46               | 0.54               | 0.61               | 0.61               | 0.70               | 0.49               | 0.57               | 0.65               | 0.65               | 0.74               | 0.52               | 0.61               | 0.69               | 0.69               | 0.78               |                    |
|                  |                    | PI            | 0.35           | 0.35               | 0.35               | 0.35               | 0.35               | 0.37               | 0.37               | 0.37               | 0.37               | 0.37               | 0.39               | 0.39               | 0.39               | 0.39               | 0.39               | 0.42               | 0.42               | 0.42               | 0.42               | 0.42               |                    |
|                  | 0°F<br>(-17.8°C)   | TC            | 9305           | 9317               | 9327               | 9328               | 9340               | 9865               | 9877               | 9887               | 9889               | 9901               | 10455              | 10468              | 10480              | 10482              | 10494              | 11085              | 11097              | 11109              | 11111              | 11124              |                    |
|                  |                    | S/T           | 0.43           | 0.51               | 0.58               | 0.58               | 0.66               | 0.46               | 0.54               | 0.61               | 0.61               | 0.70               | 0.49               | 0.57               | 0.65               | 0.65               | 0.74               | 0.52               | 0.61               | 0.69               | 0.69               | 0.79               |                    |
|                  |                    | PI            | 0.36           | 0.36               | 0.36               | 0.36               | 0.36               | 0.38               | 0.38               | 0.38               | 0.38               | 0.38               | 0.41               | 0.41               | 0.41               | 0.41               | 0.41               | 0.43               | 0.43               | 0.43               | 0.43               | 0.43               |                    |
|                  | 5°F<br>(-15.0°C)   | TC            | 9663           | 9676               | 9686               | 9686               | 9699               | 10245              | 10257              | 10267              | 10269              | 10281              | 10857              | 10871              | 10883              | 10885              | 10897              | 11511              | 11524              | 11536              | 11538              | 11552              |                    |
|                  |                    | S/T           | 0.44           | 0.51               | 0.58               | 0.58               | 0.66               | 0.46               | 0.54               | 0.62               | 0.62               | 0.70               | 0.49               | 0.58               | 0.65               | 0.65               | 0.75               | 0.52               | 0.61               | 0.69               | 0.69               | 0.79               |                    |
|                  |                    | PI            | 0.37           | 0.38               | 0.38               | 0.38               | 0.38               | 0.40               | 0.40               | 0.40               | 0.40               | 0.40               | 0.42               | 0.42               | 0.42               | 0.42               | 0.42               | 0.45               | 0.45               | 0.45               | 0.45               | 0.45               |                    |
|                  | 14°F<br>(-10.0°C)  | TC            | 9889           | 9903               | 9913               | 9914               | 9927               | 10485              | 10498              | 10508              | 10510              | 10523              | 11112              | 11126              | 11139              | 11141              | 11153              | 11781              | 11794              | 11807              | 11809              | 11824              |                    |
|                  |                    | S/T           | 0.44           | 0.51               | 0.58               | 0.58               | 0.67               | 0.46               | 0.54               | 0.62               | 0.62               | 0.71               | 0.49               | 0.58               | 0.66               | 0.66               | 0.75               | 0.52               | 0.61               | 0.70               | 0.70               | 0.79               |                    |
|                  |                    | PI            | 0.38           | 0.38               | 0.38               | 0.38               | 0.38               | 0.41               | 0.41               | 0.41               | 0.41               | 0.41               | 0.43               | 0.43               | 0.43               | 0.43               | 0.43               | 0.46               | 0.46               | 0.46               | 0.46               | 0.46               |                    |
|                  | 17°F<br>(-8.3°C)   | TC            | 9965           | 9978               | 9989               | 9990               | 10003              | 10566              | 10578              | 10589              | 10591              | 10603              | 11197              | 11211              | 11224              | 11226              | 11238              | 11871              | 11884              | 11897              | 11899              | 11914              |                    |
|                  |                    | S/T           | 0.44           | 0.52               | 0.59               | 0.59               | 0.67               | 0.47               | 0.55               | 0.62               | 0.62               | 0.71               | 0.49               | 0.58               | 0.66               | 0.66               | 0.75               | 0.52               | 0.61               | 0.70               | 0.70               | 0.79               |                    |
|                  |                    | PI            | 0.39           | 0.39               | 0.39               | 0.39               | 0.39               | 0.41               | 0.41               | 0.41               | 0.41               | 0.41               | 0.43               | 0.43               | 0.44               | 0.44               | 0.44               | 0.46               | 0.46               | 0.46               | 0.46               | 0.46               |                    |
|                  | 23°F<br>(-5.0°C)   | TC            | 9992           | 10006              | 10016              | 10017              | 10030              | 10594              | 10607              | 10617              | 10619              | 10632              | 11227              | 11242              | 11254              | 11257              | 11269              | 11904              | 11917              | 11930              | 11932              | 11946              |                    |
|                  |                    | S/T           | 0.44           | 0.52               | 0.59               | 0.59               | 0.67               | 0.47               | 0.55               | 0.62               | 0.62               | 0.71               | 0.50               | 0.58               | 0.66               | 0.66               | 0.75               | 0.53               | 0.62               | 0.70               | 0.70               | 0.80               |                    |
|                  |                    | PI            | 0.41           | 0.41               | 0.41               | 0.41               | 0.42               | 0.44               | 0.44               | 0.44               | 0.44               | 0.44               | 0.46               | 0.47               | 0.47               | 0.47               | 0.47               | 0.49               | 0.49               | 0.49               | 0.49               | 0.49               |                    |
|                  | 35°F<br>(1.7°C)    | TC            | 10046          | 10060              | 10071              | 10071              | 10085              | 10652              | 10665              | 10675              | 10677              | 10690              | 11288              | 11303              | 11316              | 11318              | 11330              | 11968              | 11981              | 11994              | 11996              | 12011              |                    |
|                  |                    | S/T           | 0.44           | 0.52               | 0.59               | 0.59               | 0.67               | 0.47               | 0.55               | 0.63               | 0.63               | 0.71               | 0.50               | 0.58               | 0.66               | 0.66               | 0.76               | 0.53               | 0.62               | 0.70               | 0.70               | 0.80               |                    |
|                  |                    | PI            | 0.47           | 0.47               | 0.47               | 0.47               | 0.47               | 0.50               | 0.50               | 0.50               | 0.50               | 0.50               | 0.53               | 0.53               | 0.53               | 0.53               | 0.53               | 0.56               | 0.56               | 0.56               | 0.56               | 0.56               |                    |
|                  | 41°F<br>(5.0°C)    | TC            | 10486          | 10500              | 10512              | 10512              | 10526              | 11118              | 11131              | 11142              | 11145              | 11158              | 11782              | 11798              | 11811              | 11813              | 11826              | 12492              | 12506              | 12520              | 12521              | 12537              |                    |
|                  |                    | S/T           | 0.44           | 0.52               | 0.59               | 0.59               | 0.68               | 0.47               | 0.55               | 0.63               | 0.63               | 0.72               | 0.50               | 0.59               | 0.67               | 0.67               | 0.76               | 0.53               | 0.62               | 0.71               | 0.71               | 0.80               |                    |
|                  |                    | PI            | 0.49           | 0.49               | 0.49               | 0.49               | 0.49               | 0.52               | 0.52               | 0.52               | 0.52               | 0.52               | 0.55               | 0.55               | 0.55               | 0.55               | 0.55               | 0.58               | 0.58               | 0.59               | 0.59               | 0.59               |                    |
|                  | 47°F<br>(8.3°C)    | TC            | 10926          | 10941              | 10952              | 10953              | 10968              | 11584              | 11598              | 11610              | 11612              | 11626              | 12277              | 12292              | 12306              | 12308              | 12322              | 13016              | 13030              | 13045              | 13047              | 13063              |                    |
|                  |                    | S/T           | 0.45           | 0.52               | 0.59               | 0.59               | 0.68               | 0.47               | 0.55               | 0.63               | 0.63               | 0.72               | 0.50               | 0.59               | 0.67               | 0.67               | 0.76               | 0.53               | 0.62               | 0.71               | 0.71               | 0.81               |                    |
|                  |                    | PI            | 0.51           | 0.51               | 0.51               | 0.51               | 0.51               | 0.54               | 0.54               | 0.54               | 0.54               | 0.54               | 0.57               | 0.58               | 0.58               | 0.58               | 0.58               | 0.61               | 0.61               | 0.61               | 0.61               | 0.61               |                    |
|                  | 50°F<br>(10.0°C)   | TC            | 11043          | 11058              | 11070              | 11070              | 11085              | 11709              | 11723              | 11734              | 11737              | 11750              | 12408              | 12424              | 12438              | 12441              | 12454              | 13156              | 13170              | 13185              | 13187              | 13203              |                    |
|                  |                    | S/T           | 0.45           | 0.53               | 0.60               | 0.60               | 0.68               | 0.47               | 0.56               | 0.63               | 0.63               | 0.72               | 0.50               | 0.59               | 0.67               | 0.67               | 0.77               | 0.53               | 0.63               | 0.71               | 0.71               | 0.81               |                    |
|                  |                    | PI            | 0.51           | 0.52               | 0.52               | 0.52               | 0.52               | 0.55               | 0.55               | 0.55               | 0.55               | 0.55               | 0.58               | 0.58               | 0.58               | 0.58               | 0.58               | 0.61               | 0.61               | 0.61               | 0.61               | 0.61               |                    |
|                  | 59°F<br>(15.0°C)   | TC            | 11395          | 11410              | 11423              | 11423              | 11438              | 12082              | 12096              | 12108              | 12110              | 12125              | 12803              | 12820              | 12834              | 12837              | 12851              | 13575              | 13590              | 13604              | 13607              | 13624              |                    |
|                  |                    | S/T           | 0.45           | 0.53               | 0.60               | 0.60               | 0.68               | 0.48               | 0.56               | 0.64               | 0.64               | 0.73               | 0.51               | 0.59               | 0.67               | 0.67               | 0.77               | 0.54               | 0.63               | 0.72               | 0.72               | 0.82               |                    |
|                  |                    | PI            | 0.52           | 0.52               | 0.52               | 0.52               | 0.52               | 0.55               | 0.56               | 0.56               | 0.56               | 0.56               | 0.59               | 0.59               | 0.59               | 0.59               | 0.59               | 0.62               | 0.62               | 0.62               | 0.62               | 0.63               |                    |
|                  | 68°F<br>(20.0°C)   | TC            | 11747          | 11762              | 11775              | 11776              | 11792              | 12455              | 12469              | 12482              | 12484              | 12499              | 13199              | 13216              | 13231              | 13233              | 13248              | 13994              | 14009              | 14024              | 14027              | 14044              |                    |
|                  |                    | S/T           | 0.46           | 0.54               | 0.62               | 0.62               | 0.70               | 0.49               | 0.57               | 0.65               | 0.65               | 0.74               | 0.52               | 0.61               | 0.69               | 0.69               | 0.79               | 0.55               | 0.65               | 0.73               | 0.73               | 0.84               |                    |
|                  |                    | PI            | 0.53           | 0.53               | 0.53               | 0.53               | 0.53               | 0.56               | 0.56               | 0.56               | 0.56               | 0.57               | 0.60               | 0.60               | 0.60               | 0.60               | 0.63               | 0.63               | 0.63               | 0.63               | 0.63               | 0.64               |                    |
|                  | 77°F<br>(25.0°C)   | TC            | 12098          | 12115              | 12128              | 12128              | 12145              | 12827              | 12843              | 12855              | 12858              | 12873              | 13594              | 13612              | 13627              | 13629              | 13644              | 14413              | 14429              | 14444              | 14447              | 14465              |                    |
|                  |                    | S/T           | 0.47           | 0.55               | 0.62               | 0.62               | 0.71               | 0.50               | 0.58               | 0.66               | 0.66               | 0.75               | 0.53               | 0.62               | 0.70               | 0.70               | 0.80               | 0.56               | 0.65               | 0.74               | 0.74               | 0.85               |                    |
|                  |                    | PI            | 0.54           | 0.54               | 0.54               | 0.54               | 0.54               | 0.57               | 0.57               | 0.57               | 0.57               | 0.57               | 0.61               | 0.61               | 0.61               | 0.61               | 0.64               | 0.64               | 0.64               | 0.64               | 0.64               | 0.65               |                    |
|                  | 82°F<br>(27.8°C)   | TC            | 12197          | 12214              | 12227              | 12227              | 12244              | 12932              | 12948              | 12960              | 12963              | 12978              | 13705              | 13723              | 13738              | 13741              | 13756              | 14531              | 14546              | 14562              | 14565              | 14583              |                    |
|                  |                    | S/T           | 0.47           | 0.56               | 0.63               | 0.63               | 0.72               | 0.50               | 0.59               | 0.67               | 0.67               | 0.76               | 0.53               | 0.63               | 0.71               | 0.71               | 0.81               | 0.56               | 0.66               | 0.75               | 0.75               | 0.86               |                    |
|                  |                    | PI            | 0.60           | 0.60               | 0.60               | 0.60               | 0.61               | 0.64               | 0.64               | 0.64               | 0.64               | 0.64               | 0.68               | 0.68               | 0.68               | 0.68               | 0.68               | 0.72               | 0.72               | 0.72               | 0.72               | 0.72               |                    |
|                  | 86°F<br>(30.0°C)   | TC            | 12154          | 12171              | 12184              | 12184              | 12201              | 12887              | 12902              | 12915              | 12918              | 12933              | 13657              | 13675              | 13690              | 13692              | 13708              | 14480              | 14495              | 14511              | 14514              | 14532              |                    |
|                  |                    | S/T           | 0.48           | 0.56               | 0.64               | 0.64               | 0.73               | 0.51               | 0.60               | 0.68               | 0.68               | 0.77               | 0.54               | 0.63               | 0.72               | 0.72               | 0.82               | 0.57               | 0.67               | 0.76               | 0.76               | 0.87</             |                    |

COOLING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 12 (Sheet 4 of 4)

| AIRFLOW<br>(CFM) | OUTDOOR<br>DB(°F)  | ID WB<br>(°F) | 60.8°F(16.0°C) |        |          |          |          | 64.4°F(18.0°C) |          |          |          |          | 67°F(19.4°C) |          |          |          |          | 71.6°F(22.0°C) |          |          |          |          |          |
|------------------|--------------------|---------------|----------------|--------|----------|----------|----------|----------------|----------|----------|----------|----------|--------------|----------|----------|----------|----------|----------------|----------|----------|----------|----------|----------|
|                  |                    |               | ID DB<br>(°F)  | 73.4°F | 77.0°F   | 80.0°F   | 80.6°F   | 84.2°F         | 73.4°F   | 77.0°F   | 80.0°F   | 80.6°F   | 84.2°F       | 73.4°F   | 77.0°F   | 80.0°F   | 80.6°F   | 84.2°F         | 73.4°F   | 77.0°F   | 80.0°F   | 80.6°F   | 84.2°F   |
|                  |                    |               |                | (°F)   | (23.0°C) | (25.0°C) | (26.7°C) | (27.0°C)       | (29.0°C) | (23.0°C) | (25.0°C) | (26.7°C) | (27.0°C)     | (29.0°C) | (23.0°C) | (25.0°C) | (26.7°C) | (27.0°C)       | (29.0°C) | (23.0°C) | (25.0°C) | (26.7°C) | (27.0°C) |
| 418              | -22°F<br>(-30.0°C) | TC            | 8594           | 8606   | 8615     | 8616     | 8627     | 9112           | 9123     | 9132     | 9134     | 9145     | 9657         | 9669     | 9680     | 9682     | 9693     | 10239          | 10250    | 10261    | 10262    | 10275    |          |
|                  |                    | S/T           | 0.48           | 0.56   | 0.63     | 0.63     | 0.72     | 0.50           | 0.59     | 0.67     | 0.67     | 0.77     | 0.53         | 0.63     | 0.71     | 0.71     | 0.81     | 0.57           | 0.67     | 0.76     | 0.76     | 0.86     |          |
|                  |                    | PI            | 0.33           | 0.33   | 0.33     | 0.33     | 0.33     | 0.35           | 0.35     | 0.35     | 0.35     | 0.35     | 0.37         | 0.37     | 0.38     | 0.38     | 0.38     | 0.40           | 0.40     | 0.40     | 0.40     | 0.40     |          |
|                  | -13°F<br>(-25.0°C) | TC            | 9311           | 9323   | 9333     | 9334     | 9346     | 9872           | 9883     | 9893     | 9895     | 9907     | 10461        | 10475    | 10487    | 10489    | 10500    | 11092          | 11104    | 11116    | 11118    | 11131    |          |
|                  |                    | S/T           | 0.48           | 0.56   | 0.64     | 0.64     | 0.73     | 0.51           | 0.60     | 0.68     | 0.68     | 0.77     | 0.54         | 0.63     | 0.72     | 0.72     | 0.82     | 0.57           | 0.67     | 0.76     | 0.76     | 0.87     |          |
|                  |                    | PI            | 0.36           | 0.36   | 0.36     | 0.36     | 0.36     | 0.38           | 0.38     | 0.38     | 0.38     | 0.38     | 0.41         | 0.41     | 0.41     | 0.41     | 0.41     | 0.43           | 0.43     | 0.43     | 0.43     | 0.43     |          |
|                  | -4°F<br>(-20.0°C)  | TC            | 10027          | 10040  | 10051    | 10051    | 10065    | 10631          | 10644    | 10654    | 10656    | 10669    | 11266        | 11281    | 11293    | 11295    | 11308    | 11945          | 11958    | 11971    | 11973    | 11988    |          |
|                  |                    | S/T           | 0.48           | 0.57   | 0.64     | 0.64     | 0.73     | 0.51           | 0.60     | 0.68     | 0.68     | 0.78     | 0.54         | 0.64     | 0.72     | 0.72     | 0.82     | 0.57           | 0.67     | 0.77     | 0.77     | 0.87     |          |
|                  |                    | PI            | 0.39           | 0.39   | 0.39     | 0.39     | 0.39     | 0.41           | 0.41     | 0.41     | 0.41     | 0.41     | 0.44         | 0.44     | 0.44     | 0.44     | 0.44     | 0.46           | 0.46     | 0.46     | 0.46     | 0.46     |          |
|                  | 0°F<br>(-17.8°C)   | TC            | 10345          | 10359  | 10370    | 10371    | 10385    | 10968          | 10981    | 10992    | 10994    | 11008    | 11624        | 11639    | 11652    | 11654    | 11667    | 12324          | 12338    | 12351    | 12353    | 12368    |          |
|                  |                    | S/T           | 0.48           | 0.57   | 0.64     | 0.64     | 0.73     | 0.51           | 0.60     | 0.68     | 0.68     | 0.78     | 0.54         | 0.64     | 0.72     | 0.72     | 0.83     | 0.58           | 0.68     | 0.77     | 0.77     | 0.88     |          |
|                  |                    | PI            | 0.40           | 0.40   | 0.40     | 0.40     | 0.40     | 0.43           | 0.43     | 0.43     | 0.43     | 0.43     | 0.45         | 0.45     | 0.45     | 0.45     | 0.45     | 0.48           | 0.48     | 0.48     | 0.48     | 0.48     |          |
|                  | 5°F<br>(-15.0°C)   | TC            | 10743          | 10757  | 10769    | 10769    | 10784    | 11390          | 11404    | 11415    | 11417    | 11431    | 12071        | 12087    | 12100    | 12102    | 12116    | 12798          | 12812    | 12826    | 12828    | 12844    |          |
|                  |                    | S/T           | 0.49           | 0.57   | 0.65     | 0.65     | 0.74     | 0.51           | 0.60     | 0.69     | 0.69     | 0.78     | 0.55         | 0.64     | 0.73     | 0.73     | 0.83     | 0.58           | 0.68     | 0.77     | 0.77     | 0.88     |          |
|                  |                    | PI            | 0.42           | 0.42   | 0.42     | 0.42     | 0.42     | 0.44           | 0.44     | 0.44     | 0.44     | 0.44     | 0.47         | 0.47     | 0.47     | 0.47     | 0.47     | 0.50           | 0.50     | 0.50     | 0.50     | 0.50     |          |
|                  | 14°F<br>(-10.0°C)  | TC            | 10995          | 11010  | 11022    | 11022    | 11037    | 11658          | 11672    | 11683    | 11685    | 11699    | 12354        | 12370    | 12384    | 12386    | 12400    | 13099          | 13113    | 13127    | 13129    | 13146    |          |
|                  |                    | S/T           | 0.49           | 0.57   | 0.65     | 0.65     | 0.74     | 0.52           | 0.61     | 0.69     | 0.69     | 0.78     | 0.55         | 0.64     | 0.73     | 0.73     | 0.83     | 0.58           | 0.68     | 0.77     | 0.77     | 0.88     |          |
|                  |                    | PI            | 0.43           | 0.43   | 0.43     | 0.43     | 0.43     | 0.45           | 0.45     | 0.45     | 0.45     | 0.45     | 0.48         | 0.48     | 0.48     | 0.48     | 0.48     | 0.51           | 0.51     | 0.51     | 0.51     | 0.51     |          |
|                  | 17°F<br>(-8.3°C)   | TC            | 11079          | 11094  | 11106    | 11107    | 11122    | 11747          | 11761    | 11772    | 11775    | 11789    | 12449        | 12465    | 12479    | 12481    | 12495    | 13199          | 13213    | 13228    | 13230    | 13246    |          |
|                  |                    | S/T           | 0.49           | 0.57   | 0.65     | 0.65     | 0.74     | 0.52           | 0.61     | 0.69     | 0.69     | 0.79     | 0.55         | 0.64     | 0.73     | 0.73     | 0.83     | 0.58           | 0.68     | 0.78     | 0.78     | 0.88     |          |
|                  |                    | PI            | 0.43           | 0.43   | 0.43     | 0.43     | 0.43     | 0.46           | 0.46     | 0.46     | 0.46     | 0.46     | 0.48         | 0.48     | 0.48     | 0.48     | 0.48     | 0.51           | 0.51     | 0.51     | 0.51     | 0.51     |          |
|                  | 23°F<br>(-5.0°C)   | TC            | 11109          | 11124  | 11136    | 11137    | 11152    | 11779          | 11793    | 11804    | 11807    | 11821    | 12483        | 12499    | 12513    | 12515    | 12529    | 13235          | 13249    | 13264    | 13266    | 13282    |          |
|                  |                    | S/T           | 0.49           | 0.58   | 0.65     | 0.65     | 0.75     | 0.52           | 0.61     | 0.69     | 0.69     | 0.79     | 0.55         | 0.65     | 0.74     | 0.74     | 0.84     | 0.58           | 0.69     | 0.78     | 0.78     | 0.89     |          |
|                  |                    | PI            | 0.46           | 0.46   | 0.46     | 0.46     | 0.46     | 0.49           | 0.49     | 0.49     | 0.49     | 0.49     | 0.52         | 0.52     | 0.52     | 0.52     | 0.52     | 0.55           | 0.55     | 0.55     | 0.55     | 0.55     |          |
|                  | 35°F<br>(1.7°C)    | TC            | 11170          | 11185  | 11197    | 11197    | 11212    | 11843          | 11857    | 11869    | 11871    | 11885    | 12550        | 12567    | 12581    | 12583    | 12597    | 13307          | 13321    | 13336    | 13338    | 13354    |          |
|                  |                    | S/T           | 0.49           | 0.58   | 0.66     | 0.66     | 0.75     | 0.52           | 0.61     | 0.70     | 0.70     | 0.79     | 0.55         | 0.65     | 0.74     | 0.74     | 0.84     | 0.59           | 0.69     | 0.78     | 0.78     | 0.89     |          |
|                  |                    | PI            | 0.52           | 0.52   | 0.52     | 0.52     | 0.52     | 0.55           | 0.55     | 0.55     | 0.55     | 0.55     | 0.59         | 0.59     | 0.59     | 0.59     | 0.59     | 0.62           | 0.62     | 0.62     | 0.62     | 0.62     |          |
|                  | 41°F<br>(5.0°C)    | TC            | 11659          | 11674  | 11687    | 11687    | 11703    | 12361          | 12376    | 12388    | 12391    | 12405    | 13100        | 13117    | 13131    | 13134    | 13149    | 13889          | 13904    | 13919    | 13921    | 13939    |          |
|                  |                    | S/T           | 0.49           | 0.58   | 0.66     | 0.66     | 0.75     | 0.52           | 0.61     | 0.70     | 0.70     | 0.80     | 0.56         | 0.65     | 0.74     | 0.74     | 0.84     | 0.59           | 0.69     | 0.78     | 0.78     | 0.89     |          |
|                  |                    | PI            | 0.55           | 0.55   | 0.55     | 0.55     | 0.55     | 0.58           | 0.58     | 0.58     | 0.58     | 0.58     | 0.61         | 0.61     | 0.61     | 0.61     | 0.61     | 0.65           | 0.65     | 0.65     | 0.65     | 0.65     |          |
|                  | 47°F<br>(8.3°C)    | TC            | 12148          | 12164  | 12177    | 12178    | 12194    | 12880          | 12895    | 12908    | 12910    | 12926    | 13649        | 13667    | 13682    | 13685    | 13700    | 14472          | 14487    | 14503    | 14505    | 14523    |          |
|                  |                    | S/T           | 0.50           | 0.58   | 0.66     | 0.66     | 0.75     | 0.53           | 0.62     | 0.70     | 0.70     | 0.80     | 0.56         | 0.65     | 0.74     | 0.74     | 0.85     | 0.59           | 0.69     | 0.79     | 0.79     | 0.90     |          |
|                  |                    | PI            | 0.57           | 0.57   | 0.57     | 0.57     | 0.57     | 0.60           | 0.60     | 0.60     | 0.60     | 0.61     | 0.64         | 0.64     | 0.64     | 0.64     | 0.64     | 0.68           | 0.68     | 0.68     | 0.68     | 0.68     |          |
|                  | 50°F<br>(10.0°C)   | TC            | 12278          | 12294  | 12308    | 12308    | 12325    | 13018          | 13033    | 13046    | 13049    | 13064    | 13796        | 13814    | 13829    | 13832    | 13847    | 14627          | 14643    | 14659    | 14661    | 14679    |          |
|                  |                    | S/T           | 0.50           | 0.58   | 0.66     | 0.66     | 0.76     | 0.53           | 0.62     | 0.70     | 0.70     | 0.80     | 0.56         | 0.66     | 0.75     | 0.75     | 0.85     | 0.59           | 0.70     | 0.79     | 0.79     | 0.90     |          |
|                  |                    | PI            | 0.57           | 0.57   | 0.57     | 0.57     | 0.57     | 0.61           | 0.61     | 0.61     | 0.61     | 0.61     | 0.64         | 0.64     | 0.64     | 0.64     | 0.64     | 0.68           | 0.68     | 0.68     | 0.68     | 0.68     |          |
|                  | 59°F<br>(15.0°C)   | TC            | 12669          | 12686  | 12700    | 12700    | 12717    | 13432          | 13448    | 13462    | 13464    | 13480    | 14235        | 14253    | 14269    | 14272    | 14288    | 15093          | 15109    | 15126    | 15128    | 15147    |          |
|                  |                    | S/T           | 0.50           | 0.59   | 0.67     | 0.67     | 0.76     | 0.53           | 0.62     | 0.71     | 0.71     | 0.81     | 0.56         | 0.66     | 0.75     | 0.75     | 0.86     | 0.60           | 0.70     | 0.80     | 0.80     | 0.91     |          |
|                  |                    | PI            | 0.58           | 0.58   | 0.58     | 0.58     | 0.58     | 0.62           | 0.62     | 0.62     | 0.62     | 0.62     | 0.65         | 0.65     | 0.65     | 0.66     | 0.66     | 0.69           | 0.69     | 0.69     | 0.69     | 0.70     |          |
|                  | 68°F<br>(20.0°C)   | TC            | 13060          | 13078  | 13092    | 13092    | 13110    | 13847          | 13863    | 13877    | 13880    | 13896    | 14674        | 14693    | 14710    | 14713    | 14729    | 15559          | 15575    | 15592    | 15595    | 15614    |          |
|                  |                    | S/T           | 0.51           | 0.60   | 0.69     | 0.69     | 0.78     | 0.54           | 0.64     | 0.73     | 0.73     | 0.83     | 0.58         | 0.68     | 0.77     | 0.77     | 0.88     | 0.61           | 0.72     | 0.82     | 0.82     | 0.93     |          |
|                  |                    | PI            | 0.59           | 0.59   | 0.59     | 0.59     | 0.59     | 0.63           | 0.63     | 0.63     | 0.63     | 0.63     | 0.66         | 0.66     | 0.67     | 0.67     | 0.70     | 0.70           | 0.71     | 0.71     | 0.71     | 0.71     |          |
|                  | 77°F<br>(25.0°C)   | TC            | 13451          | 13469  | 13484    | 13484    | 13502    | 14262          | 14279    | 14293    | 14296    | 14312    | 15114        | 15133    | 15150    | 15153    | 15170    | 16024          | 16042    | 16059    | 16062    | 16082    |          |
|                  |                    | S/T           | 0.52           | 0.61   | 0.69     | 0.69     | 0.79     | 0.55           | 0.65     | 0.74     | 0.74     | 0.84     | 0.59         | 0.69     | 0.78     | 0.78     | 0.89     | 0.62           | 0.73     | 0.83     | 0.83     | 0.94     |          |
|                  |                    | PI            | 0.60           | 0.60   | 0.60     | 0.60     | 0.60     | 0.64           | 0.64     | 0.64     | 0.64     | 0.64     | 0.67         | 0.68     | 0.68     | 0.68     | 0.68     | 0.72           | 0.72     | 0.72     | 0.72     | 0.72     |          |
|                  | 82°F<br>(27.8°C)   | TC            | 13561          | 13579  | 13594    | 13594    | 13613    | 14378          | 14395    | 14409    | 14412    | 14429    | 15237        | 15257    | 15274    | 15277    | 15294    | 16155          | 16173    | 16190    | 16193    | 16213    |          |
|                  |                    | S/T           | 0.53           | 0.62   | 0.70     | 0.70     | 0.80     | 0.56           | 0.66     | 0.75     | 0.75     | 0.85     | 0.59         | 0.70     | 0.79     | 0.79     | 0.90     | 0.63           | 0.74     | 0.84     | 0.84     | 0.95     |          |
|                  |                    | PI            | 0.67           | 0.67   | 0.67     | 0.67     | 0.67     | 0.71           | 0.71     | 0.71     | 0.71     | 0.71     | 0.75         | 0.75     | 0.76     | 0.76     | 0.76     | 0.80           | 0.80     | 0.80     | 0.80     | 0.80     |          |
|                  | 86°F<br>(30.0°C)   | TC            | 13513          | 13532  | 13546    | 13547    | 13565    | 14328          | 14345    | 14359    | 14362    | 14379    | 15184        | 15204    | 15220    | 15223    | 15240    | 16099          | 16116    | 16134    | 16136    | 16156    |          |
|                  |                    | S/T           | 0.53           | 0.63   | 0.71     | 0.71     | 0.81     | 0.57           | 0.66     | 0.75     | 0.75     | 0.86     | 0.60         | 0.70     | 0.80     | 0.80     | 0.91     | 0.64           | 0.75     | 0.85     | 0.85     | 0.97     |          |
|                  |                    | PI            | 0.81           | 0.81   | 0.81     | 0.81     | 0.81     | 0.86           | 0.86     | 0.86     | 0.86     | 0.86     | 0.91         | 0.91     | 0.91     | 0.91     | 0.91     | 0.96           | 0.96     | 0.97     | 0.97     | 0.97     |          |
|                  | 95°F<br>(35.0°C)   | TC            | 13406          | 13424  | 13439    | 13440    | 13458    | 14214          | 14231    | 1424     |          |          |              |          |          |          |          |                |          |          |          |          |          |

**Table 18 — Four-Way Cassette Heating Performance (12K)**

HEATING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 12 (Sheet 1 of 2)

| AIRFLOW<br>(CFM) | OUTDOOR DB (°F) | TC: Total Heating Capacity (BTU/hr) |                  |                  |                    |                    | PI: Power Input (kW)      |                  |                  |                    |                    |
|------------------|-----------------|-------------------------------------|------------------|------------------|--------------------|--------------------|---------------------------|------------------|------------------|--------------------|--------------------|
|                  |                 | Indoor Conditions (DB °F)           |                  |                  |                    |                    | Indoor Conditions (DB °F) |                  |                  |                    |                    |
|                  |                 | 60.8°F<br>(16.0°C)                  | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) | 60.8°F<br>(16.0°C)        | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) |
| 194              | -22°F(-30.0°C)  | 3085                                | 3024             | 3008             | 2875               | 2849               | 1.16                      | 1.17             | 1.18             | 1.18               | 1.18               |
|                  | -13°F(-25.0°C)  | 4179                                | 4095             | 4075             | 3744               | 3710               | 1.21                      | 1.22             | 1.23             | 1.23               | 1.23               |
|                  | -4°F(-20.0°C)   | 5597                                | 5485             | 5457             | 5014               | 4969               | 1.27                      | 1.28             | 1.28             | 1.29               | 1.29               |
|                  | 0°F(-17.8°C)    | 6923                                | 6785             | 6751             | 6203               | 6147               | 1.43                      | 1.44             | 1.44             | 1.44               | 1.45               |
|                  | 5°F(-15.0°C)    | 8581                                | 8410             | 8368             | 7688               | 7619               | 1.62                      | 1.63             | 1.64             | 1.64               | 1.65               |
|                  | 14°F(-10.0°C)   | 9365                                | 9178             | 9132             | 8390               | 8315               | 1.68                      | 1.69             | 1.69             | 1.70               | 1.70               |
|                  | 17°F(-8.3°C)    | 9626                                | 9434             | 9386             | 8624               | 8547               | 1.70                      | 1.71             | 1.71             | 1.72               | 1.72               |
|                  | 22°F(-5.6°C)    | 10113                               | 9911             | 9861             | 9060               | 8979               | 1.67                      | 1.69             | 1.69             | 1.69               | 1.70               |
|                  | 27°F(-2.8°C)    | 10600                               | 10388            | 10336            | 9496               | 9411               | 1.65                      | 1.66             | 1.67             | 1.67               | 1.68               |
|                  | 32°F(0.0°C)     | 11086                               | 10865            | 10810            | 9932               | 9843               | 1.63                      | 1.64             | 1.64             | 1.65               | 1.65               |
|                  | 35°F(1.7°C)     | 11378                               | 11151            | 11095            | 10194              | 10102              | 1.61                      | 1.63             | 1.63             | 1.63               | 1.64               |
|                  | 37°F(2.8°C)     | 11509                               | 11279            | 11223            | 10311              | 10218              | 1.56                      | 1.57             | 1.57             | 1.58               | 1.58               |
|                  | 42°F(5.6°C)     | 11836                               | 11600            | 11542            | 10604              | 10509              | 1.42                      | 1.43             | 1.43             | 1.43               | 1.44               |
|                  | 44.6°F(7.0°C)   | 11967                               | 11728            | 11669            | 10721              | 10625              | 1.36                      | 1.37             | 1.38             | 1.38               | 1.38               |
|                  | 47°F(8.3°C)     | 12163                               | 11920            | 11860            | 10897              | 10799              | 1.28                      | 1.29             | 1.29             | 1.29               | 1.30               |
|                  | 52°F(11.1°C)    | 11968                               | 11729            | 11670            | 10723              | 10626              | 1.13                      | 1.14             | 1.14             | 1.14               | 1.15               |
|                  | 57°F(13.9°C)    | 11773                               | 11538            | 11480            | 10548              | 10453              | 0.98                      | 0.99             | 0.99             | 0.99               | 1.00               |
|                  | 59°F(15.0°C)    | 11696                               | 11462            | 11404            | 10478              | 10384              | 0.92                      | 0.93             | 0.93             | 0.93               | 0.94               |
| 306              | 62°F(16.7°C)    | 11579                               | 11347            | 11290            | 10373              | 10280              | 0.83                      | 0.84             | 0.84             | 0.84               | 0.85               |
|                  | 64.4°F(18.0°C)  | 11501                               | 11271            | 11214            | 10304              | 10211              | 0.77                      | 0.78             | 0.78             | 0.78               | 0.79               |
|                  | -22°F(-30.0°C)  | 3498                                | 3428             | 3411             | 3328               | 3298               | 1.18                      | 1.19             | 1.19             | 1.19               | 1.19               |
|                  | -13°F(-25.0°C)  | 4646                                | 4553             | 4530             | 4334               | 4295               | 1.23                      | 1.23             | 1.24             | 1.24               | 1.24               |
|                  | -4°F(-20.0°C)   | 6222                                | 6098             | 6067             | 5804               | 5752               | 1.28                      | 1.30             | 1.30             | 1.30               | 1.31               |
|                  | 0°F(-17.8°C)    | 7697                                | 7543             | 7506             | 7180               | 7115               | 1.44                      | 1.45             | 1.46             | 1.46               | 1.46               |
|                  | 5°F(-15.0°C)    | 9541                                | 9350             | 9303             | 8900               | 8820               | 1.64                      | 1.65             | 1.65             | 1.66               | 1.66               |
|                  | 14°F(-10.0°C)   | 10412                               | 10204            | 10153            | 9712               | 9625               | 1.69                      | 1.71             | 1.71             | 1.72               | 1.72               |
|                  | 17°F(-8.3°C)    | 10702                               | 10488            | 10436            | 9983               | 9893               | 1.71                      | 1.73             | 1.73             | 1.74               | 1.74               |
|                  | 22°F(-5.6°C)    | 11244                               | 11019            | 10964            | 10488              | 10394              | 1.69                      | 1.70             | 1.71             | 1.71               | 1.72               |
|                  | 27°F(-2.8°C)    | 11785                               | 11549            | 11491            | 10993              | 10894              | 1.67                      | 1.68             | 1.68             | 1.69               | 1.69               |
|                  | 32°F(0.0°C)     | 12326                               | 12079            | 12019            | 11498              | 11394              | 1.64                      | 1.66             | 1.66             | 1.66               | 1.67               |
|                  | 35°F(1.7°C)     | 12651                               | 12398            | 12336            | 11800              | 11694              | 1.63                      | 1.64             | 1.65             | 1.65               | 1.66               |
|                  | 37°F(2.8°C)     | 12796                               | 12540            | 12477            | 11936              | 11829              | 1.57                      | 1.59             | 1.59             | 1.59               | 1.60               |
|                  | 42°F(5.6°C)     | 13160                               | 12896            | 12832            | 12275              | 12165              | 1.43                      | 1.44             | 1.45             | 1.45               | 1.46               |
|                  | 44.6°F(7.0°C)   | 13305                               | 13039            | 12974            | 12411              | 12299              | 1.38                      | 1.39             | 1.39             | 1.39               | 1.40               |
|                  | 47°F(8.3°C)     | 13523                               | 13253            | 13186            | 12614              | 12501              | 1.29                      | 1.30             | 1.30             | 1.31               | 1.31               |
|                  | 52°F(11.1°C)    | 13307                               | 13040            | 12975            | 12412              | 12301              | 1.14                      | 1.15             | 1.15             | 1.15               | 1.16               |
| 365              | 57°F(13.9°C)    | 13090                               | 12828            | 12764            | 12210              | 12100              | 0.99                      | 1.00             | 1.00             | 1.00               | 1.01               |
|                  | 59°F(15.0°C)    | 13003                               | 12743            | 12679            | 12129              | 12020              | 0.93                      | 0.94             | 0.94             | 0.94               | 0.95               |
|                  | 62°F(16.7°C)    | 12873                               | 12616            | 12553            | 12008              | 11900              | 0.84                      | 0.85             | 0.85             | 0.85               | 0.85               |
|                  | 64.4°F(18.0°C)  | 12786                               | 12531            | 12468            | 11927              | 11820              | 0.78                      | 0.79             | 0.79             | 0.79               | 0.79               |
|                  | -22°F(-30.0°C)  | 3966                                | 3887             | 3868             | 3852               | 3817               | 1.19                      | 1.20             | 1.20             | 1.20               | 1.21               |
|                  | -13°F(-25.0°C)  | 5165                                | 5062             | 5037             | 5017               | 4972               | 1.24                      | 1.25             | 1.25             | 1.25               | 1.26               |
|                  | -4°F(-20.0°C)   | 6918                                | 6780             | 6746             | 6719               | 6658               | 1.30                      | 1.31             | 1.31             | 1.31               | 1.32               |
|                  | 0°F(-17.8°C)    | 8558                                | 8387             | 8345             | 8311               | 8237               | 1.46                      | 1.47             | 1.47             | 1.47               | 1.48               |
|                  | 5°F(-15.0°C)    | 10608                               | 10395            | 10344            | 10302              | 10209              | 1.65                      | 1.67             | 1.67             | 1.67               | 1.68               |
|                  | 14°F(-10.0°C)   | 11576                               | 11345            | 11288            | 11243              | 11142              | 1.71                      | 1.73             | 1.73             | 1.73               | 1.74               |
|                  | 17°F(-8.3°C)    | 11899                               | 11661            | 11603            | 11556              | 11452              | 1.73                      | 1.75             | 1.75             | 1.75               | 1.76               |
|                  | 22°F(-5.6°C)    | 12501                               | 12251            | 12189            | 12141              | 12031              | 1.71                      | 1.72             | 1.73             | 1.73               | 1.74               |
|                  | 27°F(-2.8°C)    | 13102                               | 12840            | 12776            | 12725              | 12610              | 1.68                      | 1.70             | 1.70             | 1.70               | 1.71               |
|                  | 32°F(0.0°C)     | 13704                               | 13430            | 13363            | 13309              | 13190              | 1.66                      | 1.67             | 1.68             | 1.68               | 1.69               |
|                  | 35°F(1.7°C)     | 14065                               | 13784            | 13715            | 13660              | 13537              | 1.65                      | 1.66             | 1.66             | 1.67               | 1.67               |
|                  | 37°F(2.8°C)     | 14227                               | 13942            | 13872            | 13817              | 13693              | 1.59                      | 1.60             | 1.61             | 1.61               | 1.62               |
|                  | 42°F(5.6°C)     | 14631                               | 14338            | 14267            | 14210              | 14082              | 1.45                      | 1.46             | 1.46             | 1.46               | 1.47               |
|                  | 44.6°F(7.0°C)   | 14793                               | 14497            | 14424            | 14367              | 14237              | 1.39                      | 1.40             | 1.40             | 1.41               | 1.41               |
|                  | 47°F(8.3°C)     | 15035                               | 14734            | 14661            | 14602              | 14471              | 1.30                      | 1.31             | 1.32             | 1.32               | 1.32               |
|                  | 52°F(11.1°C)    | 14794                               | 14498            | 14426            | 14368              | 14239              | 1.15                      | 1.16             | 1.16             | 1.17               | 1.17               |
|                  | 57°F(13.9°C)    | 14553                               | 14262            | 14191            | 14134              | 14007              | 1.00                      | 1.01             | 1.01             | 1.01               | 1.02               |
|                  | 59°F(15.0°C)    | 14457                               | 14168            | 14097            | 14041              | 13914              | 0.94                      | 0.95             | 0.95             | 0.95               | 0.96               |
|                  | 62°F(16.7°C)    | 14312                               | 14026            | 13956            | 13900              | 13775              | 0.85                      | 0.86             | 0.86             | 0.86               | 0.86               |
|                  | 64.4°F(18.0°C)  | 14216                               | 13932            | 13862            | 13807              | 13682              | 0.79                      | 0.80             | 0.80             | 0.80               | 0.80               |

## HEATING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 12 (Sheet 2 of 2)

| AIRFLOW<br>(CFM) | OUTDOOR DB (°F) | TC: Total Heating Capacity (BTU/hr) |                  |                  |                    |                    | PI: Power Input (kW)      |                  |                  |                    |                    |
|------------------|-----------------|-------------------------------------|------------------|------------------|--------------------|--------------------|---------------------------|------------------|------------------|--------------------|--------------------|
|                  |                 | Indoor Conditions (DB °F)           |                  |                  |                    |                    | Indoor Conditions (DB °F) |                  |                  |                    |                    |
|                  |                 | 60.8°F<br>(16.0°C)                  | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) | 60.8°F<br>(16.0°C)        | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) |
| 418              | -22°F(-30.0°C)  | 4410                                | 4322             | 4300             | 4283               | 4244               | 1.20                      | 1.21             | 1.21             | 1.21               | 1.22               |
|                  | -13°F(-25.0°C)  | 5743                                | 5628             | 5600             | 5578               | 5527               | 1.25                      | 1.26             | 1.26             | 1.27               | 1.27               |
|                  | -4°F(-20.0°C)   | 7692                                | 7538             | 7500             | 7470               | 7403               | 1.31                      | 1.32             | 1.32             | 1.33               | 1.33               |
|                  | 0°F(-17.8°C)    | 9515                                | 9324             | 9278             | 9241               | 9158               | 1.47                      | 1.48             | 1.48             | 1.49               | 1.49               |
|                  | 5°F(-15.0°C)    | 11794                               | 11558            | 11500            | 11454              | 11351              | 1.67                      | 1.68             | 1.69             | 1.69               | 1.70               |
|                  | 14°F(-10.0°C)   | 12870                               | 12613            | 12550            | 12500              | 12387              | 1.73                      | 1.74             | 1.75             | 1.75               | 1.76               |
|                  | 17°F(-8.3°C)    | 13229                               | 12965            | 12900            | 12848              | 12733              | 1.75                      | 1.76             | 1.77             | 1.77               | 1.78               |
|                  | 22°F(-5.6°C)    | 13898                               | 13620            | 13552            | 13498              | 13377              | 1.73                      | 1.74             | 1.74             | 1.75               | 1.75               |
|                  | 27°F(-2.8°C)    | 14567                               | 14276            | 14205            | 14148              | 14020              | 1.70                      | 1.72             | 1.72             | 1.72               | 1.73               |
|                  | 32°F(0.0°C)     | 15236                               | 14932            | 14857            | 14797              | 14664              | 1.68                      | 1.69             | 1.69             | 1.70               | 1.70               |
|                  | 35°F(1.7°C)     | 15638                               | 15325            | 15248            | 15187              | 15051              | 1.66                      | 1.68             | 1.68             | 1.68               | 1.69               |
|                  | 37°F(2.8°C)     | 15817                               | 15501            | 15424            | 15362              | 15224              | 1.61                      | 1.62             | 1.62             | 1.62               | 1.63               |
|                  | 42°F(5.6°C)     | 16267                               | 15941            | 15862            | 15798              | 15656              | 1.46                      | 1.47             | 1.48             | 1.48               | 1.48               |
|                  | 44.6°F(7.0°C)   | 16447                               | 16118            | 16037            | 15973              | 15829              | 1.40                      | 1.41             | 1.42             | 1.42               | 1.43               |
|                  | 47°F(8.3°C)     | 16716                               | 16382            | 16300            | 16235              | 16089              | 1.32                      | 1.33             | 1.33             | 1.33               | 1.34               |
|                  | 52°F(11.1°C)    | 16448                               | 16119            | 16039            | 15975              | 15831              | 1.16                      | 1.17             | 1.18             | 1.18               | 1.18               |
|                  | 57°F(13.9°C)    | 16181                               | 15857            | 15778            | 15715              | 15573              | 1.01                      | 1.02             | 1.02             | 1.02               | 1.03               |
|                  | 59°F(15.0°C)    | 16073                               | 15752            | 15673            | 15610              | 15470              | 0.95                      | 0.96             | 0.96             | 0.96               | 0.97               |
|                  | 62°F(16.7°C)    | 15913                               | 15594            | 15516            | 15454              | 15315              | 0.86                      | 0.87             | 0.87             | 0.87               | 0.87               |
|                  | 64.4°F(18.0°C)  | 15806                               | 15489            | 15412            | 15350              | 15212              | 0.80                      | 0.80             | 0.81             | 0.81               | 0.81               |

NOTE: Values in grey are extrapolated based on tested performance.

**Table 19 — Four-Way Cassette Cooling Performance (18K)**

COOLING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 18 (Sheet 1 of 4)

| AIRFLOW<br>(CFM) | OUTDOOR<br>DB(°F)  | ID WB<br>(°F) | 60.8°F(16.0°C)     |                    |                    |                    |                    | 64.4°F(18.0°C)     |                    |                    |                    |                    | 67°F(19.4°C)       |                    |                    |                    |                    | 71.6°F(22.0°C)     |                    |                    |                    |                    |
|------------------|--------------------|---------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                  |                    | ID DB<br>(°F) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) |
|                  |                    | TC            | 9150               | 9162               | 9172               | 9172               | 9185               | 9701               | 9712               | 9722               | 9724               | 9736               | 10281              | 10294              | 10305              | 10307              | 10319              | 10900              | 10912              | 10924              | 10925              | 10939              |
| 194              | -22°F<br>(-30.0°C) | S/T           | 0.34               | 0.40               | 0.45               | 0.45               | 0.52               | 0.36               | 0.42               | 0.48               | 0.48               | 0.55               | 0.38               | 0.45               | 0.51               | 0.51               | 0.58               | 0.41               | 0.48               | 0.54               | 0.54               | 0.62               |
|                  |                    | PI            | 0.34               | 0.34               | 0.34               | 0.34               | 0.34               | 0.36               | 0.36               | 0.36               | 0.36               | 0.36               | 0.39               | 0.39               | 0.39               | 0.39               | 0.39               | 0.41               | 0.41               | 0.41               | 0.41               | 0.41               |
|                  |                    | TC            | 9912               | 9925               | 9936               | 9937               | 9950               | 10509              | 10522              | 10532              | 10534              | 10547              | 11137              | 11152              | 11164              | 11166              | 11179              | 11808              | 11821              | 11834              | 11836              | 11851              |
|                  | -13°F<br>(-25.0°C) | S/T           | 0.34               | 0.40               | 0.46               | 0.46               | 0.52               | 0.36               | 0.43               | 0.48               | 0.48               | 0.55               | 0.39               | 0.45               | 0.51               | 0.51               | 0.59               | 0.41               | 0.48               | 0.54               | 0.54               | 0.62               |
|                  |                    | PI            | 0.37               | 0.37               | 0.37               | 0.37               | 0.37               | 0.39               | 0.39               | 0.39               | 0.39               | 0.40               | 0.42               | 0.42               | 0.42               | 0.42               | 0.44               | 0.44               | 0.44               | 0.44               | 0.44               | 0.44               |
|                  |                    | TC            | 10675              | 10689              | 10700              | 10701              | 10715              | 11318              | 11331              | 11342              | 11345              | 11358              | 11994              | 12010              | 12023              | 12025              | 12039              | 12717              | 12731              | 12744              | 12746              | 12762              |
|                  | -4°F<br>(-20.0°C)  | S/T           | 0.34               | 0.40               | 0.46               | 0.46               | 0.52               | 0.37               | 0.43               | 0.49               | 0.49               | 0.56               | 0.39               | 0.45               | 0.52               | 0.52               | 0.59               | 0.41               | 0.48               | 0.55               | 0.55               | 0.62               |
|                  |                    | PI            | 0.40               | 0.40               | 0.40               | 0.40               | 0.40               | 0.42               | 0.42               | 0.43               | 0.43               | 0.43               | 0.45               | 0.45               | 0.45               | 0.45               | 0.45               | 0.48               | 0.48               | 0.48               | 0.48               | 0.48               |
|                  |                    | TC            | 11013              | 11028              | 11040              | 11041              | 11055              | 11677              | 11691              | 11703              | 11705              | 11719              | 12375              | 12391              | 12405              | 12407              | 12421              | 13120              | 13135              | 13149              | 13151              | 13167              |
|                  | 0°F<br>(-17.8°C)   | S/T           | 0.35               | 0.41               | 0.46               | 0.46               | 0.53               | 0.37               | 0.43               | 0.49               | 0.49               | 0.56               | 0.39               | 0.46               | 0.52               | 0.52               | 0.59               | 0.41               | 0.48               | 0.55               | 0.55               | 0.63               |
|                  |                    | PI            | 0.41               | 0.41               | 0.41               | 0.41               | 0.41               | 0.44               | 0.44               | 0.44               | 0.44               | 0.44               | 0.46               | 0.46               | 0.46               | 0.46               | 0.47               | 0.49               | 0.49               | 0.49               | 0.49               | 0.49               |
|                  |                    | TC            | 11437              | 11452              | 11465              | 11465              | 11481              | 12126              | 12141              | 12153              | 12155              | 12169              | 12851              | 12867              | 12882              | 12884              | 12899              | 13625              | 13640              | 13655              | 13657              | 13674              |
|                  | 5°F<br>(-15.0°C)   | S/T           | 0.35               | 0.41               | 0.46               | 0.46               | 0.53               | 0.37               | 0.43               | 0.49               | 0.49               | 0.56               | 0.39               | 0.46               | 0.52               | 0.52               | 0.59               | 0.41               | 0.49               | 0.55               | 0.55               | 0.63               |
|                  |                    | PI            | 0.43               | 0.43               | 0.43               | 0.43               | 0.43               | 0.45               | 0.46               | 0.46               | 0.46               | 0.46               | 0.48               | 0.48               | 0.48               | 0.48               | 0.48               | 0.51               | 0.51               | 0.51               | 0.51               | 0.51               |
|                  |                    | TC            | 12261              | 12277              | 12290              | 12291              | 12307              | 12999              | 13015              | 13028              | 13030              | 13046              | 13776              | 13794              | 13809              | 13812              | 13827              | 14606              | 14622              | 14638              | 14640              | 14658              |
|                  | 14°F<br>(-10.0°C)  | S/T           | 0.35               | 0.41               | 0.46               | 0.46               | 0.53               | 0.37               | 0.43               | 0.49               | 0.49               | 0.56               | 0.39               | 0.46               | 0.52               | 0.52               | 0.59               | 0.41               | 0.49               | 0.55               | 0.55               | 0.63               |
|                  |                    | PI            | 0.44               | 0.44               | 0.44               | 0.44               | 0.44               | 0.46               | 0.46               | 0.46               | 0.46               | 0.46               | 0.49               | 0.49               | 0.49               | 0.49               | 0.49               | 0.52               | 0.52               | 0.52               | 0.52               | 0.52               |
|                  |                    | TC            | 12535              | 12552              | 12565              | 12566              | 12583              | 13290              | 13306              | 13319              | 13322              | 13338              | 14085              | 14103              | 14119              | 14121              | 14137              | 14933              | 14949              | 14966              | 14968              | 14987              |
|                  | 17°F<br>(-8.3°C)   | S/T           | 0.35               | 0.41               | 0.47               | 0.47               | 0.53               | 0.37               | 0.43               | 0.49               | 0.49               | 0.56               | 0.39               | 0.46               | 0.52               | 0.52               | 0.60               | 0.42               | 0.49               | 0.55               | 0.55               | 0.63               |
|                  |                    | PI            | 0.44               | 0.44               | 0.44               | 0.44               | 0.44               | 0.46               | 0.46               | 0.47               | 0.47               | 0.47               | 0.49               | 0.49               | 0.49               | 0.49               | 0.49               | 0.52               | 0.52               | 0.52               | 0.52               | 0.52               |
|                  |                    | TC            | 12489              | 12506              | 12519              | 12520              | 12537              | 13241              | 13257              | 13270              | 13273              | 13289              | 14033              | 14051              | 14066              | 14069              | 14085              | 14878              | 14894              | 14910              | 14913              | 14931              |
|                  | 23°F<br>(-5.0°C)   | S/T           | 0.35               | 0.41               | 0.47               | 0.47               | 0.53               | 0.37               | 0.44               | 0.50               | 0.50               | 0.57               | 0.39               | 0.46               | 0.53               | 0.53               | 0.60               | 0.42               | 0.49               | 0.56               | 0.56               | 0.64               |
|                  |                    | PI            | 0.45               | 0.45               | 0.45               | 0.45               | 0.45               | 0.47               | 0.47               | 0.47               | 0.47               | 0.47               | 0.50               | 0.50               | 0.50               | 0.50               | 0.53               | 0.53               | 0.53               | 0.53               | 0.53               | 0.53               |
|                  |                    | TC            | 12396              | 12413              | 12426              | 12427              | 12444              | 13143              | 13159              | 13172              | 13175              | 13190              | 13929              | 13947              | 13962              | 13965              | 13980              | 14768              | 14784              | 14800              | 14802              | 14821              |
|                  | 35°F<br>(1.7°C)    | S/T           | 0.35               | 0.41               | 0.47               | 0.47               | 0.54               | 0.37               | 0.44               | 0.50               | 0.50               | 0.57               | 0.40               | 0.47               | 0.53               | 0.53               | 0.60               | 0.42               | 0.49               | 0.56               | 0.56               | 0.64               |
|                  |                    | PI            | 0.46               | 0.46               | 0.46               | 0.46               | 0.46               | 0.49               | 0.49               | 0.49               | 0.49               | 0.49               | 0.52               | 0.52               | 0.52               | 0.52               | 0.52               | 0.55               | 0.55               | 0.55               | 0.55               | 0.55               |
|                  |                    | TC            | 12213              | 12230              | 12243              | 12243              | 12260              | 12949              | 12965              | 12978              | 12980              | 12995              | 13723              | 13741              | 13756              | 13759              | 13774              | 14550              | 14566              | 14582              | 14584              | 14602              |
|                  | 41°F<br>(5.0°C)    | S/T           | 0.35               | 0.41               | 0.47               | 0.47               | 0.54               | 0.37               | 0.44               | 0.50               | 0.50               | 0.57               | 0.40               | 0.47               | 0.53               | 0.53               | 0.60               | 0.42               | 0.49               | 0.56               | 0.56               | 0.64               |
|                  |                    | PI            | 0.51               | 0.51               | 0.51               | 0.51               | 0.51               | 0.54               | 0.54               | 0.54               | 0.54               | 0.54               | 0.57               | 0.57               | 0.57               | 0.57               | 0.57               | 0.61               | 0.61               | 0.61               | 0.61               | 0.61               |
|                  |                    | TC            | 12030              | 12047              | 12060              | 12060              | 12076              | 12755              | 12770              | 12783              | 12786              | 12801              | 13517              | 13535              | 13550              | 13553              | 13568              | 14332              | 14347              | 14363              | 14365              | 14383              |
|                  | 47°F<br>(8.3°C)    | S/T           | 0.35               | 0.42               | 0.47               | 0.47               | 0.54               | 0.38               | 0.44               | 0.50               | 0.50               | 0.57               | 0.40               | 0.47               | 0.53               | 0.53               | 0.61               | 0.42               | 0.50               | 0.56               | 0.56               | 0.64               |
|                  |                    | PI            | 0.56               | 0.56               | 0.56               | 0.56               | 0.56               | 0.59               | 0.59               | 0.59               | 0.59               | 0.59               | 0.63               | 0.63               | 0.63               | 0.63               | 0.63               | 0.66               | 0.67               | 0.67               | 0.67               | 0.67               |
|                  |                    | TC            | 12150              | 12166              | 12179              | 12179              | 12196              | 12882              | 12897              | 12910              | 12912              | 12928              | 13651              | 13669              | 13684              | 13687              | 13702              | 14474              | 14490              | 14505              | 14508              | 14526              |
|                  | 50°F<br>(10.0°C)   | S/T           | 0.36               | 0.42               | 0.48               | 0.48               | 0.54               | 0.38               | 0.44               | 0.50               | 0.50               | 0.57               | 0.40               | 0.47               | 0.53               | 0.53               | 0.61               | 0.42               | 0.50               | 0.57               | 0.57               | 0.65               |
|                  |                    | PI            | 0.57               | 0.57               | 0.57               | 0.57               | 0.57               | 0.61               | 0.61               | 0.61               | 0.61               | 0.61               | 0.64               | 0.64               | 0.64               | 0.64               | 0.68               | 0.68               | 0.68               | 0.68               | 0.68               | 0.68               |
|                  |                    | TC            | 12507              | 12524              | 12537              | 12538              | 12555              | 13261              | 13276              | 13289              | 13292              | 13308              | 14053              | 14071              | 14087              | 14089              | 14105              | 14900              | 14916              | 14932              | 14934              | 14953              |
|                  | 59°F<br>(15.0°C)   | S/T           | 0.36               | 0.42               | 0.48               | 0.48               | 0.54               | 0.38               | 0.45               | 0.51               | 0.51               | 0.58               | 0.40               | 0.47               | 0.54               | 0.54               | 0.61               | 0.43               | 0.50               | 0.57               | 0.57               | 0.65               |
|                  |                    | PI            | 0.61               | 0.61               | 0.62               | 0.62               | 0.62               | 0.65               | 0.65               | 0.65               | 0.65               | 0.65               | 0.69               | 0.69               | 0.69               | 0.69               | 0.69               | 0.73               | 0.73               | 0.73               | 0.73               | 0.73               |
|                  |                    | TC            | 12864              | 12882              | 12895              | 12896              | 12913              | 13640              | 13656              | 13669              | 13672              | 13688              | 14454              | 14473              | 14489              | 14492              | 14508              | 15325              | 15342              | 15359              | 15361              | 15380              |
|                  | 68°F<br>(20.0°C)   | S/T           | 0.37               | 0.43               | 0.49               | 0.49               | 0.56               | 0.39               | 0.46               | 0.52               | 0.52               | 0.59               | 0.41               | 0.48               | 0.55               | 0.55               | 0.63               | 0.44               | 0.51               | 0.58               | 0.58               | 0.67               |
|                  |                    | PI            | 0.66               | 0.66               | 0.66               | 0.66               | 0.66               | 0.70               | 0.70               | 0.70               | 0.70               | 0.70               | 0.74               | 0.74               | 0.74               | 0.74               | 0.74               | 0.78               | 0.78               | 0.78               | 0.78               | 0.78               |
|                  |                    | TC            | 13222              | 13239              | 13254              | 13254              | 13272              | 14018              | 14035              | 14049              | 14052              | 14068              | 14856              | 14875              | 14892              | 14895              | 14911              | 15751              | 15768              | 15785              | 15788              | 15807              |
|                  | 77°F<br>(25.0°C)   | S/T           | 0.37               | 0.44               | 0.50               | 0.50               | 0.57               | 0.39               | 0.46               | 0.53               | 0.53               | 0.60               | 0.42               | 0.49               | 0.56               | 0.56               | 0.64               | 0.44               | 0.52               | 0.59               | 0.59               | 0.67               |
|                  |                    | PI            | 0.70               | 0.70               | 0.70               | 0.70               | 0.70               | 0.74               | 0.74               | 0.74               | 0.74               | 0.74               | 0.78               | 0.78               | 0.79               | 0.79               | 0.79               | 0.83               | 0.83               | 0.83               | 0.83               | 0.83               |
|                  |                    | TC            | 13178              | 13196              | 13210              | 13211              | 13228              | 13972              | 13989              | 14003              | 14005              | 14022              | 14807              | 14826              | 14843              | 14846              | 14862              | 15699              | 15716              | 15733              | 15736              | 15755              |
|                  | 82°F<br>(27.8°C)   | S/T           | 0.38               | 0.44               | 0.50               | 0.50               | 0.57               | 0.40               | 0.47               | 0.53               | 0.53               | 0.61               | 0.42               | 0.50               | 0.57               | 0.57               | 0.64               | 0.45               | 0.53               | 0.60               | 0.60               | 0.68               |
|                  |                    | PI            | 0.75               | 0.76               | 0.76               | 0.76               | 0.76               | 0.80               | 0.80               | 0.80               | 0.80               | 0.80               | 0.85               | 0.85               | 0.85               | 0.85               | 0.85               | 0.90               | 0.90               | 0.90               | 0.90               | 0.90               |
|                  |                    | TC            | 12838              | 12855              | 12869              | 12870              | 12887              | 13612              | 13628              | 13641              | 13644              | 13660              | 14425              | 14444              | 14460              | 14462              | 14478              | 15294              | 15311              | 15327              | 15330              | 15349              |
|                  | 86°F<br>(30.0°C)   | S/T           | 0.38               | 0.45               | 0.51               | 0.51               | 0.58               | 0.41               | 0.48               | 0.54               | 0.54               | 0.62               | 0.43               | 0.50               | 0.57               | 0.57               | 0.65               | 0.46               | 0.53               | 0.61               | 0.61               | 0.69               |
|                  |                    | PI            | 0.84               | 0.84               | 0.85               | 0.85               | 0.85               | 0.89               | 0.89               | 0.89               | 0.90               | 0.90               | 0.95               | 0.95               | 0.95               | 0.95               | 0.95               | 1.00               | 1.01               | 1.01               | 1.01               | 1.01               |
|                  |                    | TC            | 12072              | 12089              | 12                 |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |

## COOLING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 18 (Sheet 2 of 4)

| AIRFLOW<br>(CFM) | OUTDOOR<br>DB(°F)  | ID WB<br>(°F) | 60.8°F(16.0°C) |                    |                    |                    |                    | 64.4°F(18.0°C)     |                    |                    |                    |                    | 67°F(19.4°C)       |                    |                    |                    |                    | 71.6°F(22.0°C)     |                    |                    |                    |                    |                    |
|------------------|--------------------|---------------|----------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                  |                    |               | ID DB<br>(°F)  | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) |
|                  |                    |               | TC             | S/T                | PI                 | TC                 | S/T                | PI                 | TC                 | S/T                | PI                 | TC                 | S/T                | PI                 | TC                 | S/T                | PI                 | TC                 | S/T                | PI                 | TC                 | S/T                | PI                 |
| 318              | -22°F<br>(-30.0°C) | TC            | 10229          | 10243              | 10254              | 10254              | 10268              | 10845              | 10858              | 10869              | 10871              | 10884              | 11493              | 11508              | 11521              | 11523              | 11536              | 12186              | 12199              | 12212              | 12214              | 12230              |                    |
|                  |                    | S/T           | 0.38           | 0.45               | 0.51               | 0.51               | 0.58               | 0.40               | 0.47               | 0.54               | 0.54               | 0.61               | 0.43               | 0.50               | 0.57               | 0.57               | 0.65               | 0.45               | 0.53               | 0.60               | 0.60               | 0.69               |                    |
|                  |                    | PI            | 0.38           | 0.38               | 0.38               | 0.38               | 0.38               | 0.41               | 0.41               | 0.41               | 0.41               | 0.41               | 0.43               | 0.43               | 0.43               | 0.43               | 0.43               | 0.46               | 0.46               | 0.46               | 0.46               | 0.46               |                    |
|                  | -13°F<br>(-25.0°C) | TC            | 11081          | 11096              | 11108              | 11109              | 11124              | 11749              | 11763              | 11775              | 11777              | 11791              | 12451              | 12467              | 12481              | 12484              | 12498              | 13201              | 13216              | 13230              | 13232              | 13249              |                    |
|                  |                    | S/T           | 0.38           | 0.45               | 0.51               | 0.51               | 0.58               | 0.41               | 0.48               | 0.54               | 0.54               | 0.62               | 0.43               | 0.51               | 0.57               | 0.57               | 0.65               | 0.46               | 0.54               | 0.61               | 0.61               | 0.69               |                    |
|                  |                    | PI            | 0.42           | 0.42               | 0.42               | 0.42               | 0.42               | 0.44               | 0.44               | 0.44               | 0.44               | 0.44               | 0.47               | 0.47               | 0.47               | 0.47               | 0.47               | 0.49               | 0.50               | 0.50               | 0.50               | 0.50               |                    |
|                  | -4°F<br>(-20.0°C)  | TC            | 11934          | 11950              | 11963              | 11963              | 11979              | 12653              | 12668              | 12681              | 12683              | 12698              | 13409              | 13426              | 13441              | 13444              | 13459              | 14217              | 14232              | 14248              | 14250              | 14268              |                    |
|                  |                    | S/T           | 0.39           | 0.45               | 0.51               | 0.51               | 0.59               | 0.41               | 0.48               | 0.55               | 0.55               | 0.62               | 0.43               | 0.51               | 0.58               | 0.58               | 0.66               | 0.46               | 0.54               | 0.61               | 0.61               | 0.70               |                    |
|                  |                    | PI            | 0.45           | 0.45               | 0.45               | 0.45               | 0.45               | 0.47               | 0.47               | 0.48               | 0.48               | 0.48               | 0.50               | 0.50               | 0.50               | 0.50               | 0.50               | 0.53               | 0.53               | 0.53               | 0.53               | 0.53               |                    |
|                  | 0°F<br>(-17.8°C)   | TC            | 12313          | 12329              | 12343              | 12343              | 12360              | 13055              | 13070              | 13083              | 13086              | 13101              | 13835              | 13853              | 13868              | 13871              | 13886              | 14668              | 14684              | 14700              | 14702              | 14721              |                    |
|                  |                    | S/T           | 0.39           | 0.45               | 0.52               | 0.52               | 0.59               | 0.41               | 0.48               | 0.55               | 0.55               | 0.62               | 0.43               | 0.51               | 0.58               | 0.58               | 0.66               | 0.46               | 0.54               | 0.61               | 0.61               | 0.70               |                    |
|                  |                    | PI            | 0.46           | 0.46               | 0.46               | 0.46               | 0.46               | 0.49               | 0.49               | 0.49               | 0.49               | 0.49               | 0.52               | 0.52               | 0.52               | 0.52               | 0.52               | 0.55               | 0.55               | 0.55               | 0.55               | 0.55               |                    |
|                  | 5°F<br>(-15.0°C)   | TC            | 12786          | 12803              | 12817              | 12818              | 12835              | 13557              | 13573              | 13586              | 13589              | 13605              | 14367              | 14385              | 14401              | 14404              | 14420              | 15232              | 15249              | 15266              | 15268              | 15287              |                    |
|                  |                    | S/T           | 0.39           | 0.46               | 0.52               | 0.52               | 0.59               | 0.41               | 0.48               | 0.55               | 0.55               | 0.63               | 0.44               | 0.51               | 0.58               | 0.58               | 0.66               | 0.46               | 0.54               | 0.62               | 0.62               | 0.70               |                    |
|                  |                    | PI            | 0.48           | 0.48               | 0.48               | 0.48               | 0.48               | 0.51               | 0.51               | 0.51               | 0.51               | 0.51               | 0.54               | 0.54               | 0.54               | 0.54               | 0.54               | 0.57               | 0.57               | 0.57               | 0.57               | 0.57               |                    |
|                  | 14°F<br>(-10.0°C)  | TC            | 13707          | 13725              | 13740              | 13741              | 13759              | 14533              | 14550              | 14565              | 14568              | 14585              | 15401              | 15421              | 15439              | 15441              | 15459              | 16329              | 16347              | 16365              | 16367              | 16388              |                    |
|                  |                    | S/T           | 0.39           | 0.46               | 0.52               | 0.52               | 0.59               | 0.41               | 0.48               | 0.55               | 0.55               | 0.63               | 0.44               | 0.51               | 0.58               | 0.58               | 0.67               | 0.46               | 0.54               | 0.62               | 0.62               | 0.71               |                    |
|                  |                    | PI            | 0.49           | 0.49               | 0.49               | 0.49               | 0.49               | 0.52               | 0.52               | 0.52               | 0.52               | 0.52               | 0.55               | 0.55               | 0.55               | 0.55               | 0.55               | 0.58               | 0.58               | 0.58               | 0.58               | 0.58               |                    |
|                  | 17°F<br>(-8.3°C)   | TC            | 14014          | 14033              | 14048              | 14049              | 14067              | 14858              | 14876              | 14891              | 14894              | 14911              | 15746              | 15767              | 15784              | 15787              | 15805              | 16695              | 16713              | 16731              | 16734              | 16755              |                    |
|                  |                    | S/T           | 0.39           | 0.46               | 0.52               | 0.52               | 0.59               | 0.41               | 0.49               | 0.55               | 0.55               | 0.63               | 0.44               | 0.51               | 0.59               | 0.59               | 0.67               | 0.47               | 0.55               | 0.62               | 0.62               | 0.71               |                    |
|                  |                    | PI            | 0.49           | 0.49               | 0.49               | 0.49               | 0.49               | 0.52               | 0.52               | 0.52               | 0.52               | 0.52               | 0.55               | 0.55               | 0.55               | 0.55               | 0.55               | 0.58               | 0.58               | 0.58               | 0.58               | 0.59               |                    |
|                  | 23°F<br>(-5.0°C)   | TC            | 13962          | 13981              | 13996              | 13997              | 14016              | 14804              | 14821              | 14836              | 14839              | 14856              | 15688              | 15708              | 15726              | 15729              | 15746              | 16633              | 16651              | 16670              | 16672              | 16693              |                    |
|                  |                    | S/T           | 0.39           | 0.46               | 0.52               | 0.52               | 0.60               | 0.42               | 0.49               | 0.55               | 0.55               | 0.63               | 0.44               | 0.52               | 0.59               | 0.59               | 0.67               | 0.47               | 0.55               | 0.62               | 0.62               | 0.71               |                    |
|                  |                    | PI            | 0.50           | 0.50               | 0.50               | 0.50               | 0.50               | 0.53               | 0.53               | 0.53               | 0.53               | 0.53               | 0.56               | 0.56               | 0.56               | 0.56               | 0.56               | 0.59               | 0.59               | 0.60               | 0.60               | 0.60               |                    |
|                  | 35°F<br>(1.7°C)    | TC            | 13859          | 13877              | 13892              | 13893              | 13912              | 14694              | 14711              | 14726              | 14729              | 14746              | 15572              | 15592              | 15609              | 15612              | 15630              | 16510              | 16528              | 16546              | 16549              | 16569              |                    |
|                  |                    | S/T           | 0.39           | 0.46               | 0.53               | 0.53               | 0.60               | 0.42               | 0.49               | 0.56               | 0.56               | 0.64               | 0.44               | 0.52               | 0.59               | 0.59               | 0.67               | 0.47               | 0.55               | 0.63               | 0.63               | 0.71               |                    |
|                  |                    | PI            | 0.52           | 0.52               | 0.52               | 0.52               | 0.52               | 0.55               | 0.55               | 0.55               | 0.55               | 0.55               | 0.58               | 0.58               | 0.58               | 0.58               | 0.58               | 0.61               | 0.62               | 0.62               | 0.62               | 0.62               |                    |
|                  | 41°F<br>(5.0°C)    | TC            | 13654          | 13673              | 13687              | 13688              | 13706              | 14477              | 14494              | 14509              | 14511              | 14529              | 15342              | 15362              | 15379              | 15382              | 15399              | 16266              | 16284              | 16302              | 16304              | 16325              |                    |
|                  |                    | S/T           | 0.40           | 0.46               | 0.53               | 0.53               | 0.60               | 0.42               | 0.49               | 0.56               | 0.56               | 0.64               | 0.44               | 0.52               | 0.59               | 0.59               | 0.68               | 0.47               | 0.55               | 0.63               | 0.63               | 0.72               |                    |
|                  |                    | PI            | 0.57           | 0.57               | 0.57               | 0.57               | 0.57               | 0.60               | 0.60               | 0.61               | 0.61               | 0.61               | 0.64               | 0.64               | 0.64               | 0.64               | 0.64               | 0.68               | 0.68               | 0.68               | 0.68               | 0.68               |                    |
|                  | 47°F<br>(8.3°C)    | TC            | 13450          | 13468              | 13482              | 13483              | 13501              | 14260              | 14277              | 14291              | 14294              | 14311              | 15112              | 15132              | 15149              | 15151              | 15168              | 16023              | 16040              | 16058              | 16060              | 16080              |                    |
|                  |                    | S/T           | 0.40           | 0.47               | 0.53               | 0.53               | 0.60               | 0.42               | 0.49               | 0.56               | 0.56               | 0.64               | 0.45               | 0.52               | 0.59               | 0.59               | 0.68               | 0.47               | 0.55               | 0.63               | 0.63               | 0.72               |                    |
|                  |                    | PI            | 0.62           | 0.62               | 0.63               | 0.63               | 0.63               | 0.66               | 0.66               | 0.66               | 0.66               | 0.66               | 0.70               | 0.70               | 0.70               | 0.70               | 0.70               | 0.74               | 0.74               | 0.74               | 0.74               | 0.75               |                    |
|                  | 50°F<br>(10.0°C)   | TC            | 13583          | 13601              | 13616              | 13616              | 13635              | 14401              | 14418              | 14433              | 14436              | 14453              | 15262              | 15282              | 15299              | 15302              | 15319              | 16181              | 16199              | 16217              | 16219              | 16239              |                    |
|                  |                    | S/T           | 0.40           | 0.47               | 0.53               | 0.53               | 0.61               | 0.42               | 0.50               | 0.56               | 0.56               | 0.64               | 0.45               | 0.53               | 0.60               | 0.60               | 0.68               | 0.47               | 0.56               | 0.63               | 0.63               | 0.72               |                    |
|                  |                    | PI            | 0.64           | 0.64               | 0.64               | 0.64               | 0.64               | 0.68               | 0.68               | 0.68               | 0.68               | 0.68               | 0.72               | 0.72               | 0.72               | 0.72               | 0.72               | 0.76               | 0.76               | 0.76               | 0.76               | 0.76               |                    |
|                  | 59°F<br>(15.0°C)   | TC            | 13982          | 14001              | 14016              | 14017              | 14036              | 14825              | 14843              | 14857              | 14860              | 14878              | 15711              | 15731              | 15749              | 15752              | 15769              | 16657              | 16675              | 16694              | 16696              | 16717              |                    |
|                  |                    | S/T           | 0.40           | 0.47               | 0.53               | 0.53               | 0.61               | 0.42               | 0.50               | 0.57               | 0.57               | 0.65               | 0.45               | 0.53               | 0.60               | 0.60               | 0.68               | 0.48               | 0.56               | 0.64               | 0.64               | 0.73               |                    |
|                  |                    | PI            | 0.69           | 0.69               | 0.69               | 0.69               | 0.69               | 0.73               | 0.73               | 0.73               | 0.73               | 0.73               | 0.77               | 0.77               | 0.77               | 0.77               | 0.77               | 0.82               | 0.82               | 0.82               | 0.82               | 0.82               |                    |
|                  | 68°F<br>(20.0°C)   | TC            | 14382          | 14401              | 14417              | 14417              | 14437              | 15249              | 15267              | 15282              | 15285              | 15303              | 16160              | 16181              | 16199              | 16202              | 16220              | 17133              | 17152              | 17171              | 17173              | 17195              |                    |
|                  |                    | S/T           | 0.41           | 0.48               | 0.55               | 0.55               | 0.63               | 0.44               | 0.51               | 0.58               | 0.58               | 0.66               | 0.46               | 0.54               | 0.62               | 0.62               | 0.70               | 0.49               | 0.57               | 0.65               | 0.65               | 0.74               |                    |
|                  |                    | PI            | 0.73           | 0.73               | 0.73               | 0.73               | 0.74               | 0.78               | 0.78               | 0.78               | 0.78               | 0.78               | 0.82               | 0.82               | 0.83               | 0.83               | 0.83               | 0.87               | 0.87               | 0.88               | 0.88               | 0.88               |                    |
|                  | 77°F<br>(25.0°C)   | TC            | 14781          | 14801              | 14817              | 14818              | 14838              | 15672              | 15691              | 15706              | 15709              | 15728              | 16609              | 16630              | 16649              | 16652              | 16670              | 17609              | 17628              | 17648              | 17650              | 17672              |                    |
|                  |                    | S/T           | 0.42           | 0.49               | 0.56               | 0.56               | 0.63               | 0.44               | 0.52               | 0.59               | 0.59               | 0.67               | 0.47               | 0.55               | 0.62               | 0.62               | 0.71               | 0.50               | 0.58               | 0.66               | 0.66               | 0.75               |                    |
|                  |                    | PI            | 0.78           | 0.78               | 0.78               | 0.78               | 0.78               | 0.83               | 0.83               | 0.83               | 0.83               | 0.83               | 0.88               | 0.88               | 0.88               | 0.88               | 0.88               | 0.93               | 0.93               | 0.93               | 0.93               | 0.93               |                    |
|                  | 82°F<br>(27.8°C)   | TC            | 14733          | 14753              | 14769              | 14769              | 14789              | 15621              | 15639              | 15655              | 15658              | 15676              | 16554              | 16575              | 16594              | 16597              | 16616              | 17551              | 17570              | 17590              | 17592              | 17614              |                    |
|                  |                    | S/T           | 0.42           | 0.50               | 0.56               | 0.56               | 0.64               | 0.45               | 0.52               | 0.60               | 0.60               | 0.68               | 0.47               | 0.56               | 0.63               | 0.63               | 0.72               | 0.50               | 0.59               | 0.67               | 0.67               | 0.76               |                    |
|                  |                    | PI            | 0.84           | 0.84               | 0.85               | 0.85               | 0.85               | 0.89               | 0.90               | 0.90               | 0.90               | 0.90               | 0.95               | 0.95               | 0.95               | 0.95               | 0.95               | 1.00               | 1.01               | 1.01               | 1.01               | 1.01               |                    |
|                  | 86°F<br>(30.0°C)   | TC            | 14352          | 14372              | 14387              | 14388              | 14407              | 15217              | 15235              | 15251              | 15254              | 15272              | 16127              | 16148              | 16166              | 16169              | 16187              | 17098              | 17117              | 17135              | 17138              | 17159              |                    |
|                  |                    | S/T           | 0.43           | 0.50               | 0.57               | 0.57               | 0.65               | 0.45               | 0.53               | 0.60               | 0.60               | 0.69               | 0.48               | 0.56               | 0.64               | 0.64               | 0.73               | 0.51               | 0.60               | 0.68               | 0.68               | 0.77               |                    |
|                  |                    | PI            | 0.94           | 0.94               | 0.                 |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |

COOLING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 18 (Sheet 3 of 4)

| AIRFLOW<br>(CFM) | OUTDOOR<br>DB(°F)  | ID WB<br>(°F) | 60.8°F(16.0°C) |                    |                    |                    |                    | 64.4°F(18.0°C)     |                    |                    |                    |                    | 67°F(19.4°C)       |                    |                    |                    |                    | 71.6°F(22.0°C)     |                    |                    |                    |                    |                    |
|------------------|--------------------|---------------|----------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                  |                    |               | ID DB<br>(°F)  | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) |
|                  |                    |               |                |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |
| 388              | -22°F<br>(-30.0°C) | TC            | 11436          | 11451              | 11464              | 11464              | 11480              | 12125              | 12139              | 12151              | 12154              | 12168              | 12849              | 12866              | 12880              | 12883              | 12897              | 13624              | 13638              | 13653              | 13655              | 13672              |                    |
|                  |                    | S/T           | 0.43           | 0.50               | 0.57               | 0.57               | 0.65               | 0.45               | 0.53               | 0.60               | 0.60               | 0.69               | 0.48               | 0.56               | 0.64               | 0.64               | 0.73               | 0.51               | 0.60               | 0.68               | 0.68               | 0.77               |                    |
|                  |                    | PI            | 0.43           | 0.43               | 0.43               | 0.43               | 0.43               | 0.45               | 0.45               | 0.46               | 0.46               | 0.46               | 0.48               | 0.48               | 0.48               | 0.48               | 0.48               | 0.51               | 0.51               | 0.51               | 0.51               | 0.51               |                    |
|                  | -13°F<br>(-25.0°C) | TC            | 12389          | 12405              | 12419              | 12419              | 12436              | 13135              | 13151              | 13164              | 13167              | 13182              | 13920              | 13938              | 13954              | 13956              | 13972              | 14759              | 14775              | 14791              | 14793              | 14812              |                    |
|                  |                    | S/T           | 0.43           | 0.50               | 0.57               | 0.57               | 0.65               | 0.45               | 0.53               | 0.61               | 0.61               | 0.69               | 0.48               | 0.57               | 0.64               | 0.64               | 0.73               | 0.51               | 0.60               | 0.68               | 0.68               | 0.78               |                    |
|                  |                    | PI            | 0.46           | 0.46               | 0.47               | 0.47               | 0.47               | 0.49               | 0.49               | 0.49               | 0.49               | 0.49               | 0.52               | 0.52               | 0.52               | 0.52               | 0.52               | 0.55               | 0.55               | 0.55               | 0.55               | 0.56               |                    |
|                  | -4°F<br>(-20.0°C)  | TC            | 13342          | 13360              | 13374              | 13375              | 13393              | 14146              | 14163              | 14177              | 14179              | 14196              | 14991              | 15010              | 15027              | 15030              | 15047              | 15894              | 15911              | 15929              | 15931              | 15951              |                    |
|                  |                    | S/T           | 0.43           | 0.51               | 0.57               | 0.57               | 0.66               | 0.46               | 0.54               | 0.61               | 0.61               | 0.69               | 0.48               | 0.57               | 0.65               | 0.65               | 0.74               | 0.51               | 0.60               | 0.68               | 0.68               | 0.78               |                    |
|                  |                    | PI            | 0.50           | 0.50               | 0.50               | 0.50               | 0.50               | 0.53               | 0.53               | 0.53               | 0.53               | 0.53               | 0.56               | 0.56               | 0.56               | 0.56               | 0.56               | 0.60               | 0.60               | 0.60               | 0.60               | 0.60               |                    |
|                  | 0°F<br>(-17.8°C)   | TC            | 13765          | 13784              | 13799              | 13799              | 13818              | 14595              | 14612              | 14627              | 14630              | 14647              | 15467              | 15487              | 15504              | 15507              | 15524              | 16399              | 16417              | 16434              | 16437              | 16457              |                    |
|                  |                    | S/T           | 0.43           | 0.51               | 0.58               | 0.58               | 0.66               | 0.46               | 0.54               | 0.61               | 0.61               | 0.70               | 0.49               | 0.57               | 0.65               | 0.65               | 0.74               | 0.51               | 0.60               | 0.69               | 0.69               | 0.78               |                    |
|                  |                    | PI            | 0.52           | 0.52               | 0.52               | 0.52               | 0.52               | 0.55               | 0.55               | 0.55               | 0.55               | 0.55               | 0.58               | 0.58               | 0.58               | 0.58               | 0.58               | 0.61               | 0.62               | 0.62               | 0.62               | 0.62               |                    |
|                  | 5°F<br>(-15.0°C)   | TC            | 14295          | 14314              | 14329              | 14330              | 14349              | 15156              | 15174              | 15189              | 15192              | 15210              | 16062              | 16083              | 16101              | 16104              | 16121              | 17029              | 17048              | 17067              | 17069              | 17090              |                    |
|                  |                    | S/T           | 0.43           | 0.51               | 0.58               | 0.58               | 0.66               | 0.46               | 0.54               | 0.61               | 0.61               | 0.70               | 0.49               | 0.57               | 0.65               | 0.65               | 0.74               | 0.52               | 0.61               | 0.69               | 0.69               | 0.79               |                    |
|                  |                    | PI            | 0.54           | 0.54               | 0.54               | 0.54               | 0.54               | 0.57               | 0.57               | 0.57               | 0.57               | 0.57               | 0.60               | 0.60               | 0.60               | 0.60               | 0.60               | 0.64               | 0.64               | 0.64               | 0.64               | 0.64               |                    |
|                  | 14°F<br>(-10.0°C)  | TC            | 15324          | 15345              | 15361              | 15362              | 15383              | 16248              | 16267              | 16283              | 16286              | 16305              | 17218              | 17241              | 17260              | 17263              | 17282              | 18256              | 18276              | 18295              | 18298              | 18321              |                    |
|                  |                    | S/T           | 0.44           | 0.51               | 0.58               | 0.58               | 0.66               | 0.46               | 0.54               | 0.62               | 0.62               | 0.70               | 0.49               | 0.57               | 0.65               | 0.65               | 0.74               | 0.52               | 0.61               | 0.69               | 0.69               | 0.79               |                    |
|                  |                    | PI            | 0.54           | 0.55               | 0.55               | 0.55               | 0.55               | 0.58               | 0.58               | 0.58               | 0.58               | 0.58               | 0.61               | 0.61               | 0.61               | 0.61               | 0.61               | 0.65               | 0.65               | 0.65               | 0.65               | 0.65               |                    |
|                  | 17°F<br>(-8.3°C)   | TC            | 15667          | 15688              | 15705              | 15706              | 15727              | 16611              | 16631              | 16647              | 16651              | 16671              | 17604              | 17627              | 17646              | 17650              | 17669              | 18664              | 18685              | 18705              | 18708              | 18731              |                    |
|                  |                    | S/T           | 0.44           | 0.51               | 0.58               | 0.58               | 0.66               | 0.46               | 0.54               | 0.62               | 0.62               | 0.70               | 0.49               | 0.58               | 0.65               | 0.65               | 0.75               | 0.52               | 0.61               | 0.69               | 0.69               | 0.79               |                    |
|                  |                    | PI            | 0.55           | 0.55               | 0.55               | 0.55               | 0.55               | 0.58               | 0.58               | 0.58               | 0.58               | 0.58               | 0.61               | 0.62               | 0.62               | 0.62               | 0.62               | 0.65               | 0.65               | 0.65               | 0.65               | 0.65               |                    |
|                  | 23°F<br>(-5.0°C)   | TC            | 15609          | 15630              | 15647              | 15648              | 15669              | 16550              | 16570              | 16586              | 16589              | 16609              | 17539              | 17562              | 17581              | 17584              | 17604              | 18596              | 18616              | 18636              | 18639              | 18662              |                    |
|                  |                    | S/T           | 0.44           | 0.51               | 0.59               | 0.59               | 0.67               | 0.47               | 0.55               | 0.62               | 0.62               | 0.71               | 0.49               | 0.58               | 0.66               | 0.66               | 0.75               | 0.52               | 0.61               | 0.70               | 0.70               | 0.79               |                    |
|                  |                    | PI            | 0.56           | 0.56               | 0.56               | 0.56               | 0.56               | 0.59               | 0.59               | 0.59               | 0.59               | 0.59               | 0.63               | 0.63               | 0.63               | 0.63               | 0.63               | 0.66               | 0.66               | 0.67               | 0.67               | 0.67               |                    |
|                  | 35°F<br>(1.7°C)    | TC            | 15494          | 15515              | 15531              | 15532              | 15553              | 16428              | 16447              | 16463              | 16466              | 16486              | 17409              | 17432              | 17451              | 17454              | 17474              | 18458              | 18478              | 18498              | 18501              | 18524              |                    |
|                  |                    | S/T           | 0.44           | 0.52               | 0.59               | 0.59               | 0.67               | 0.47               | 0.55               | 0.62               | 0.62               | 0.71               | 0.50               | 0.58               | 0.66               | 0.66               | 0.75               | 0.53               | 0.62               | 0.70               | 0.70               | 0.80               |                    |
|                  |                    | PI            | 0.58           | 0.58               | 0.58               | 0.58               | 0.58               | 0.61               | 0.61               | 0.61               | 0.61               | 0.61               | 0.65               | 0.65               | 0.65               | 0.65               | 0.69               | 0.69               | 0.69               | 0.69               | 0.69               | 0.69               |                    |
|                  | 41°F<br>(5.0°C)    | TC            | 15265          | 15286              | 15302              | 15303              | 15323              | 16185              | 16204              | 16220              | 16223              | 16243              | 17152              | 17174              | 17193              | 17197              | 17216              | 18185              | 18205              | 18225              | 18228              | 18251              |                    |
|                  |                    | S/T           | 0.44           | 0.52               | 0.59               | 0.59               | 0.67               | 0.47               | 0.55               | 0.62               | 0.62               | 0.71               | 0.50               | 0.58               | 0.66               | 0.66               | 0.75               | 0.53               | 0.62               | 0.70               | 0.70               | 0.80               |                    |
|                  |                    | PI            | 0.64           | 0.64               | 0.64               | 0.64               | 0.64               | 0.68               | 0.68               | 0.68               | 0.68               | 0.68               | 0.72               | 0.72               | 0.72               | 0.72               | 0.72               | 0.76               | 0.76               | 0.76               | 0.76               | 0.76               |                    |
|                  | 47°F<br>(8.3°C)    | TC            | 15036          | 15057              | 15073              | 15074              | 15094              | 15943              | 15961              | 15977              | 15980              | 15999              | 16895              | 16917              | 16936              | 16939              | 16958              | 17913              | 17932              | 17952              | 17955              | 17977              |                    |
|                  |                    | S/T           | 0.44           | 0.52               | 0.59               | 0.59               | 0.67               | 0.47               | 0.55               | 0.63               | 0.63               | 0.71               | 0.50               | 0.58               | 0.66               | 0.66               | 0.76               | 0.53               | 0.62               | 0.70               | 0.70               | 0.80               |                    |
|                  |                    | PI            | 0.70           | 0.70               | 0.70               | 0.70               | 0.70               | 0.74               | 0.74               | 0.74               | 0.74               | 0.74               | 0.78               | 0.78               | 0.79               | 0.79               | 0.79               | 0.83               | 0.83               | 0.83               | 0.83               | 0.83               |                    |
|                  | 50°F<br>(10.0°C)   | TC            | 15185          | 15206              | 15222              | 15223              | 15243              | 16100              | 16120              | 16135              | 16139              | 16158              | 17062              | 17085              | 17104              | 17107              | 17126              | 18090              | 18110              | 18130              | 18133              | 18155              |                    |
|                  |                    | S/T           | 0.45           | 0.52               | 0.59               | 0.59               | 0.68               | 0.47               | 0.55               | 0.63               | 0.63               | 0.72               | 0.50               | 0.59               | 0.67               | 0.67               | 0.76               | 0.53               | 0.62               | 0.71               | 0.71               | 0.81               |                    |
|                  |                    | PI            | 0.71           | 0.72               | 0.72               | 0.72               | 0.72               | 0.76               | 0.76               | 0.76               | 0.76               | 0.76               | 0.80               | 0.80               | 0.81               | 0.81               | 0.81               | 0.85               | 0.85               | 0.85               | 0.85               | 0.85               |                    |
|                  | 59°F<br>(15.0°C)   | TC            | 15632          | 15653              | 15670              | 15671              | 15692              | 16574              | 16594              | 16610              | 16613              | 16633              | 17564              | 17587              | 17607              | 17610              | 17630              | 18623              | 18643              | 18663              | 18666              | 18689              |                    |
|                  |                    | S/T           | 0.45           | 0.53               | 0.60               | 0.60               | 0.68               | 0.47               | 0.56               | 0.63               | 0.63               | 0.72               | 0.50               | 0.59               | 0.67               | 0.67               | 0.76               | 0.53               | 0.63               | 0.71               | 0.71               | 0.81               |                    |
|                  |                    | PI            | 0.77           | 0.77               | 0.77               | 0.77               | 0.77               | 0.81               | 0.81               | 0.82               | 0.82               | 0.82               | 0.86               | 0.86               | 0.86               | 0.86               | 0.87               | 0.91               | 0.91               | 0.92               | 0.92               | 0.92               |                    |
|                  | 68°F<br>(20.0°C)   | TC            | 16079          | 16100              | 16118              | 16118              | 16140              | 17048              | 17068              | 17085              | 17088              | 17108              | 18066              | 18090              | 18110              | 18113              | 18133              | 19155              | 19175              | 19196              | 19199              | 19223              |                    |
|                  |                    | S/T           | 0.46           | 0.54               | 0.61               | 0.61               | 0.70               | 0.49               | 0.57               | 0.65               | 0.65               | 0.74               | 0.52               | 0.61               | 0.69               | 0.69               | 0.79               | 0.55               | 0.64               | 0.73               | 0.73               | 0.83               |                    |
|                  |                    | PI            | 0.82           | 0.82               | 0.82               | 0.82               | 0.82               | 0.87               | 0.87               | 0.87               | 0.87               | 0.87               | 0.92               | 0.92               | 0.92               | 0.92               | 0.92               | 0.98               | 0.98               | 0.98               | 0.98               | 0.98               |                    |
|                  | 77°F<br>(25.0°C)   | TC            | 16525          | 16548              | 16565              | 16566              | 16588              | 17521              | 17542              | 17559              | 17563              | 17584              | 18568              | 18592              | 18613              | 18616              | 18637              | 19687              | 19708              | 19730              | 19733              | 19757              |                    |
|                  |                    | S/T           | 0.47           | 0.55               | 0.62               | 0.62               | 0.71               | 0.49               | 0.58               | 0.66               | 0.66               | 0.75               | 0.52               | 0.61               | 0.70               | 0.70               | 0.80               | 0.55               | 0.65               | 0.74               | 0.74               | 0.84               |                    |
|                  |                    | PI            | 0.87           | 0.87               | 0.87               | 0.87               | 0.87               | 0.92               | 0.93               | 0.93               | 0.93               | 0.93               | 0.98               | 0.98               | 0.98               | 0.98               | 0.98               | 1.04               | 1.04               | 1.04               | 1.04               | 1.04               |                    |
|                  | 82°F<br>(27.8°C)   | TC            | 16471          | 16493              | 16511              | 16512              | 16534              | 17464              | 17484              | 17502              | 17505              | 17526              | 18507              | 18531              | 18552              | 18555              | 18576              | 19622              | 19643              | 19665              | 19668              | 19692              |                    |
|                  |                    | S/T           | 0.47           | 0.55               | 0.63               | 0.63               | 0.72               | 0.50               | 0.59               | 0.67               | 0.67               | 0.76               | 0.53               | 0.62               | 0.71               | 0.71               | 0.81               | 0.56               | 0.66               | 0.75               | 0.75               | 0.85               |                    |
|                  |                    | PI            | 0.94           | 0.94               | 0.95               | 0.95               | 0.95               | 1.00               | 1.00               | 1.00               | 1.00               | 1.00               | 1.06               | 1.06               | 1.06               | 1.06               | 1.06               | 1.12               | 1.12               | 1.13               | 1.13               | 1.13               |                    |
|                  | 86°F<br>(30.0°C)   | TC            | 16046          | 16067              | 16085              | 16085              | 16107              | 17013              | 17033              | 17050              | 17053              | 17073              | 18029              | 18053              | 18073              | 18076              | 18096              | 19115              | 19136              | 19157              | 19160              | 19184              |                    |
|                  |                    | S/T           | 0.48           | 0.56               | 0.64               | 0.64               | 0.73               | 0.51               | 0.59               | 0.68               | 0.68               | 0.77               | 0.54               | 0.63               | 0.72               | 0.72               | 0.82               | 0.57               | 0.67               | 0.76               | 0.76               | 0.86               |                    |
|                  |                    | PI            | 1.05           | 1.06               | 1.06               | 1.06               | 1.06               | 1.12               | 1.12               | 1.12               | 1.12               | 1.12               | 1.18               | 1.19               | 1.19               | 1.19               | 1.19               | 1.26               | 1.26               | 1.26               | 1.26               | 1.26               |                    |
| 95°F<br>(35.0°C) | TC                 | 15089         | 15109          | 15125              | 15126              | 15147              | 15998              | 16017              | 16033              | 16036              | 16055              | 16954              | 16976              | 16995              | 16998              | 17017</            |                    |                    |                    |                    |                    |                    |                    |

COOLING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 18 (Sheet 4 of 4)

| AIRFLOW<br>(CFM) | OUTDOOR<br>DB(°F)  | ID WB<br>(°F) | 60.8°F(16.0°C) |                    |                    |                    |                    | 64.4°F(18.0°C)     |                    |                    |                    |                    | 67°F(19.4°C)       |                    |                    |                    |                    | 71.6°F(22.0°C)     |                    |                    |                    |                    |                    |
|------------------|--------------------|---------------|----------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                  |                    |               | ID DB<br>(°F)  | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) |
|                  |                    |               | (°F)           | (23.0°C)           | (25.0°C)           | (26.7°C)           | (27.0°C)           | (29.0°C)           | (23.0°C)           | (25.0°C)           | (26.7°C)           | (27.0°C)           | (29.0°C)           | (23.0°C)           | (25.0°C)           | (26.7°C)           | (27.0°C)           | (29.0°C)           | (23.0°C)           | (25.0°C)           | (26.7°C)           | (27.0°C)           | (29.0°C)           |
| 447              | -22°F<br>(-30.0°C) | TC            | 12785          | 12802              | 12816              | 12817              | 12834              | 13555              | 13572              | 13585              | 13588              | 13604              | 14365              | 14384              | 14400              | 14403              | 14419              | 15231              | 15247              | 15264              | 15266              | 15285              |                    |
|                  |                    | S/T           | 0.48           | 0.56               | 0.63               | 0.63               | 0.72               | 0.50               | 0.59               | 0.67               | 0.67               | 0.77               | 0.53               | 0.63               | 0.71               | 0.71               | 0.81               | 0.57               | 0.67               | 0.76               | 0.76               | 0.86               |                    |
|                  |                    | PI            | 0.48           | 0.48               | 0.48               | 0.48               | 0.48               | 0.51               | 0.51               | 0.51               | 0.51               | 0.51               | 0.54               | 0.54               | 0.54               | 0.54               | 0.54               | 0.57               | 0.57               | 0.57               | 0.57               | 0.57               |                    |
|                  | -13°F<br>(-25.0°C) | TC            | 13850          | 13869              | 13884              | 13885              | 13903              | 14685              | 14702              | 14717              | 14720              | 14737              | 15562              | 15583              | 15600              | 15603              | 15620              | 16500              | 16518              | 16536              | 16539              | 16559              |                    |
|                  |                    | S/T           | 0.48           | 0.56               | 0.64               | 0.64               | 0.73               | 0.51               | 0.60               | 0.68               | 0.68               | 0.77               | 0.54               | 0.63               | 0.72               | 0.72               | 0.82               | 0.57               | 0.67               | 0.76               | 0.76               | 0.87               |                    |
|                  |                    | PI            | 0.52           | 0.52               | 0.52               | 0.52               | 0.52               | 0.55               | 0.55               | 0.55               | 0.55               | 0.55               | 0.58               | 0.58               | 0.58               | 0.58               | 0.59               | 0.62               | 0.62               | 0.62               | 0.62               | 0.62               |                    |
|                  | -4°F<br>(-20.0°C)  | TC            | 14916          | 14936              | 14952              | 14953              | 14973              | 15815              | 15833              | 15849              | 15852              | 15871              | 16760              | 16781              | 16800              | 16803              | 16822              | 17769              | 17789              | 17808              | 17811              | 17833              |                    |
|                  |                    | S/T           | 0.48           | 0.57               | 0.64               | 0.64               | 0.73               | 0.51               | 0.60               | 0.68               | 0.68               | 0.78               | 0.54               | 0.64               | 0.72               | 0.72               | 0.82               | 0.57               | 0.67               | 0.77               | 0.77               | 0.87               |                    |
|                  |                    | PI            | 0.56           | 0.56               | 0.56               | 0.56               | 0.56               | 0.59               | 0.59               | 0.59               | 0.59               | 0.59               | 0.63               | 0.63               | 0.63               | 0.63               | 0.63               | 0.67               | 0.67               | 0.67               | 0.67               | 0.67               |                    |
|                  | 0°F<br>(-17.8°C)   | TC            | 15389          | 15410              | 15427              | 15427              | 15448              | 16317              | 16336              | 16352              | 16355              | 16375              | 17292              | 17314              | 17333              | 17337              | 17356              | 18333              | 18353              | 18373              | 18376              | 18399              |                    |
|                  |                    | S/T           | 0.48           | 0.57               | 0.64               | 0.64               | 0.73               | 0.51               | 0.60               | 0.68               | 0.68               | 0.78               | 0.54               | 0.64               | 0.72               | 0.72               | 0.83               | 0.58               | 0.68               | 0.77               | 0.77               | 0.88               |                    |
|                  |                    | PI            | 0.58           | 0.58               | 0.58               | 0.58               | 0.58               | 0.61               | 0.61               | 0.61               | 0.61               | 0.61               | 0.65               | 0.65               | 0.65               | 0.65               | 0.65               | 0.69               | 0.69               | 0.69               | 0.69               | 0.69               |                    |
|                  | 5°F<br>(-15.0°C)   | TC            | 15981          | 16003              | 16020              | 16021              | 16042              | 16944              | 16964              | 16981              | 16984              | 17005              | 17957              | 17980              | 18000              | 18003              | 18023              | 19039              | 19059              | 19080              | 19083              | 19107              |                    |
|                  |                    | S/T           | 0.49           | 0.57               | 0.65               | 0.65               | 0.74               | 0.51               | 0.60               | 0.69               | 0.69               | 0.78               | 0.55               | 0.64               | 0.73               | 0.73               | 0.83               | 0.58               | 0.68               | 0.77               | 0.77               | 0.88               |                    |
|                  |                    | PI            | 0.60           | 0.60               | 0.60               | 0.60               | 0.60               | 0.64               | 0.64               | 0.64               | 0.64               | 0.64               | 0.67               | 0.67               | 0.67               | 0.67               | 0.68               | 0.71               | 0.71               | 0.72               | 0.72               | 0.72               |                    |
|                  | 14°F<br>(-10.0°C)  | TC            | 17132          | 17155              | 17173              | 17174              | 17197              | 18164              | 18186              | 18204              | 18208              | 18229              | 19250              | 19275              | 19296              | 19300              | 19321              | 20409              | 20432              | 20454              | 20457              | 20483              |                    |
|                  |                    | S/T           | 0.49           | 0.57               | 0.65               | 0.65               | 0.74               | 0.52               | 0.61               | 0.69               | 0.69               | 0.78               | 0.55               | 0.64               | 0.73               | 0.73               | 0.83               | 0.58               | 0.68               | 0.77               | 0.77               | 0.88               |                    |
|                  |                    | PI            | 0.61           | 0.61               | 0.61               | 0.61               | 0.61               | 0.65               | 0.65               | 0.65               | 0.65               | 0.65               | 0.68               | 0.68               | 0.69               | 0.69               | 0.69               | 0.73               | 0.73               | 0.73               | 0.73               | 0.73               |                    |
|                  | 17°F<br>(-8.3°C)   | TC            | 17516          | 17539              | 17558              | 17559              | 17582              | 18571              | 18593              | 18611              | 18615              | 18637              | 19681              | 19706              | 19728              | 19732              | 19754              | 20866              | 20889              | 20912              | 20915              | 20941              |                    |
|                  |                    | S/T           | 0.49           | 0.57               | 0.65               | 0.65               | 0.74               | 0.52               | 0.61               | 0.69               | 0.69               | 0.79               | 0.55               | 0.64               | 0.73               | 0.73               | 0.83               | 0.58               | 0.68               | 0.78               | 0.78               | 0.88               |                    |
|                  |                    | PI            | 0.61           | 0.61               | 0.61               | 0.61               | 0.61               | 0.65               | 0.65               | 0.65               | 0.65               | 0.65               | 0.69               | 0.69               | 0.69               | 0.69               | 0.69               | 0.73               | 0.73               | 0.73               | 0.73               | 0.73               |                    |
|                  | 23°F<br>(-5.0°C)   | TC            | 17451          | 17474              | 17493              | 17494              | 17518              | 18503              | 18525              | 18543              | 18546              | 18569              | 19608              | 19634              | 19655              | 19659              | 19681              | 20789              | 20812              | 20835              | 20838              | 20864              |                    |
|                  |                    | S/T           | 0.49           | 0.58               | 0.65               | 0.65               | 0.75               | 0.52               | 0.61               | 0.69               | 0.69               | 0.79               | 0.55               | 0.65               | 0.74               | 0.74               | 0.84               | 0.58               | 0.69               | 0.78               | 0.78               | 0.89               |                    |
|                  |                    | PI            | 0.62           | 0.62               | 0.62               | 0.62               | 0.63               | 0.66               | 0.66               | 0.66               | 0.66               | 0.66               | 0.70               | 0.70               | 0.70               | 0.70               | 0.74               | 0.74               | 0.74               | 0.74               | 0.74               | 0.74               |                    |
|                  | 35°F<br>(1.7°C)    | TC            | 17322          | 17345              | 17364              | 17364              | 17388              | 18366              | 18387              | 18405              | 18409              | 18431              | 19463              | 19488              | 19510              | 19513              | 19535              | 20635              | 20658              | 20680              | 20684              | 20709              |                    |
|                  |                    | S/T           | 0.49           | 0.58               | 0.66               | 0.66               | 0.75               | 0.52               | 0.61               | 0.70               | 0.70               | 0.79               | 0.55               | 0.65               | 0.74               | 0.74               | 0.84               | 0.59               | 0.69               | 0.78               | 0.78               | 0.89               |                    |
|                  |                    | PI            | 0.65           | 0.65               | 0.65               | 0.65               | 0.65               | 0.68               | 0.68               | 0.69               | 0.69               | 0.69               | 0.72               | 0.73               | 0.73               | 0.73               | 0.73               | 0.77               | 0.77               | 0.77               | 0.77               | 0.77               |                    |
|                  | 41°F<br>(5.0°C)    | TC            | 17066          | 17089              | 17107              | 17108              | 17131              | 18094              | 18116              | 18134              | 18137              | 18159              | 19176              | 19200              | 19222              | 19225              | 19247              | 20331              | 20353              | 20375              | 20378              | 20404              |                    |
|                  |                    | S/T           | 0.49           | 0.58               | 0.66               | 0.66               | 0.75               | 0.52               | 0.61               | 0.70               | 0.70               | 0.80               | 0.56               | 0.65               | 0.74               | 0.74               | 0.84               | 0.59               | 0.69               | 0.78               | 0.78               | 0.89               |                    |
|                  |                    | PI            | 0.71           | 0.71               | 0.71               | 0.71               | 0.72               | 0.76               | 0.76               | 0.76               | 0.76               | 0.76               | 0.80               | 0.80               | 0.80               | 0.80               | 0.80               | 0.85               | 0.85               | 0.85               | 0.85               | 0.85               |                    |
|                  | 47°F<br>(8.3°C)    | TC            | 16810          | 16833              | 16851              | 16852              | 16875              | 17823              | 17845              | 17862              | 17866              | 17887              | 18888              | 18913              | 18934              | 18937              | 18959              | 20026              | 20048              | 20070              | 20073              | 20098              |                    |
|                  |                    | S/T           | 0.50           | 0.58               | 0.66               | 0.66               | 0.75               | 0.53               | 0.62               | 0.70               | 0.70               | 0.80               | 0.56               | 0.65               | 0.74               | 0.74               | 0.85               | 0.59               | 0.69               | 0.79               | 0.79               | 0.90               |                    |
|                  |                    | PI            | 0.78           | 0.78               | 0.78               | 0.78               | 0.78               | 0.83               | 0.83               | 0.83               | 0.83               | 0.83               | 0.88               | 0.88               | 0.88               | 0.88               | 0.88               | 0.93               | 0.93               | 0.93               | 0.93               | 0.93               |                    |
|                  | 50°F<br>(10.0°C)   | TC            | 16977          | 17000              | 17018              | 17019              | 17042              | 18000              | 18021              | 18039              | 18043              | 18064              | 19075              | 19100              | 19121              | 19125              | 19146              | 20225              | 20247              | 20269              | 20272              | 20297              |                    |
|                  |                    | S/T           | 0.50           | 0.58               | 0.66               | 0.66               | 0.76               | 0.53               | 0.62               | 0.70               | 0.70               | 0.80               | 0.56               | 0.66               | 0.75               | 0.75               | 0.85               | 0.59               | 0.70               | 0.79               | 0.79               | 0.90               |                    |
|                  |                    | PI            | 0.80           | 0.80               | 0.80               | 0.80               | 0.80               | 0.85               | 0.85               | 0.85               | 0.85               | 0.85               | 0.90               | 0.90               | 0.90               | 0.90               | 0.90               | 0.95               | 0.95               | 0.95               | 0.95               | 0.96               |                    |
|                  | 59°F<br>(15.0°C)   | TC            | 17476          | 17500              | 17519              | 17519              | 17543              | 18529              | 18551              | 18570              | 18573              | 18595              | 19636              | 19662              | 19684              | 19687              | 19709              | 20820              | 20842              | 20865              | 20868              | 20894              |                    |
|                  |                    | S/T           | 0.50           | 0.59               | 0.67               | 0.67               | 0.76               | 0.53               | 0.62               | 0.71               | 0.71               | 0.81               | 0.56               | 0.66               | 0.75               | 0.75               | 0.86               | 0.60               | 0.70               | 0.80               | 0.80               | 0.91               |                    |
|                  |                    | PI            | 0.86           | 0.86               | 0.86               | 0.86               | 0.86               | 0.91               | 0.91               | 0.91               | 0.91               | 0.91               | 0.96               | 0.96               | 0.97               | 0.97               | 0.97               | 1.02               | 1.02               | 1.02               | 1.02               | 1.03               |                    |
|                  | 68°F<br>(20.0°C)   | TC            | 17976          | 18000              | 18019              | 18020              | 18044              | 19059              | 19081              | 19100              | 19104              | 19127              | 20198              | 20224              | 20246              | 20250              | 20273              | 21414              | 21438              | 21461              | 21464              | 21491              |                    |
|                  |                    | S/T           | 0.51           | 0.60               | 0.69               | 0.69               | 0.78               | 0.54               | 0.64               | 0.73               | 0.73               | 0.83               | 0.58               | 0.68               | 0.77               | 0.77               | 0.88               | 0.61               | 0.72               | 0.82               | 0.82               | 0.93               |                    |
|                  |                    | PI            | 0.92           | 0.92               | 0.92               | 0.92               | 0.92               | 0.97               | 0.97               | 0.97               | 0.97               | 0.97               | 1.03               | 1.03               | 1.03               | 1.03               | 1.03               | 1.09               | 1.09               | 1.09               | 1.09               | 1.10               |                    |
|                  | 77°F<br>(25.0°C)   | TC            | 18475          | 18500              | 18520              | 18521              | 18546              | 19588              | 19612              | 19631              | 19635              | 19658              | 20759              | 20786              | 20809              | 20813              | 20836              | 22009              | 22033              | 22057              | 22061              | 22088              |                    |
|                  |                    | S/T           | 0.52           | 0.61               | 0.69               | 0.69               | 0.79               | 0.55               | 0.65               | 0.74               | 0.74               | 0.84               | 0.59               | 0.69               | 0.78               | 0.78               | 0.89               | 0.62               | 0.73               | 0.83               | 0.83               | 0.94               |                    |
|                  |                    | PI            | 0.97           | 0.98               | 0.98               | 0.98               | 0.98               | 1.03               | 1.03               | 1.04               | 1.04               | 1.04               | 1.09               | 1.10               | 1.10               | 1.10               | 1.10               | 1.16               | 1.16               | 1.16               | 1.16               | 1.17               |                    |
|                  | 82°F<br>(27.8°C)   | TC            | 18414          | 18439              | 18459              | 18460              | 18485              | 19524              | 19547              | 19566              | 19570              | 19593              | 20690              | 20717              | 20740              | 20744              | 20767              | 21937              | 21961              | 21985              | 21988              | 22016              |                    |
|                  |                    | S/T           | 0.53           | 0.62               | 0.70               | 0.70               | 0.80               | 0.56               | 0.66               | 0.75               | 0.75               | 0.85               | 0.59               | 0.70               | 0.79               | 0.79               | 0.90               | 0.63               | 0.74               | 0.84               | 0.84               | 0.95               |                    |
|                  |                    | PI            | 1.05           | 1.06               | 1.06               | 1.06               | 1.06               | 1.12               | 1.12               | 1.12               | 1.12               | 1.12               | 1.18               | 1.19               | 1.19               | 1.19               | 1.19               | 1.26               | 1.26               | 1.26               | 1.26               | 1.26               |                    |
|                  | 86°F<br>(30.0°C)   | TC            | 17939          | 17963              | 17982              | 17983              | 18007              | 19020              | 19042              | 19061              | 19065              | 19088              | 20156              | 20182              | 20205              | 20209              | 20231              | 21371              | 21394              | 21417              | 21420              | 21447              |                    |
|                  |                    | S/T           | 0.53           | 0.63               | 0.71               | 0.71               | 0.81               | 0.57               | 0.66               | 0.75               | 0.75               | 0.86               | 0.60               | 0.70               | 0.80               | 0.80               | 0.91               | 0.64               | 0.75               | 0.85               | 0.85               | 0.97               |                    |
|                  |                    | PI            | 1.18           | 1.18               | 1.18               | 1.18               | 1.18               | 1.25               | 1.25               | 1.25               | 1.25               | 1.25               | 1.32               | 1.33               |                    |                    |                    |                    |                    |                    |                    |                    |                    |

**Table 20 — Four-Way Cassette Heating Performance (18K)**

HEATING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 18 (Sheet 1 of 2)

| AIRFLOW<br>(CFM) | OUTDOOR DB<br>(°F) | TC: Total Heating Capacity (BTU/hr) |                  |                  |                    |                    | PI: Power Input (kW)      |                  |                  |                    |                    |
|------------------|--------------------|-------------------------------------|------------------|------------------|--------------------|--------------------|---------------------------|------------------|------------------|--------------------|--------------------|
|                  |                    | Indoor Conditions (DB °F)           |                  |                  |                    |                    | Indoor Conditions (DB °F) |                  |                  |                    |                    |
|                  |                    | 60.8°F<br>(16.0°C)                  | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) | 60.8°F<br>(16.0°C)        | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) |
| 194              | -22°F(-30.0°C)     | 5504                                | 5394             | 5367             | 4935               | 4891               | 1.83                      | 1.84             | 1.85             | 1.85               | 1.86               |
|                  | -13°F(-25.0°C)     | 7339                                | 7192             | 7157             | 6327               | 6270               | 1.88                      | 1.89             | 1.90             | 1.90               | 1.91               |
|                  | -4°F(-20.0°C)      | 10275                               | 10069            | 10019            | 8858               | 8778               | 2.19                      | 2.21             | 2.21             | 2.22               | 2.23               |
|                  | 0°F(-17.8°C)       | 11254                               | 11028            | 10973            | 9701               | 9614               | 2.34                      | 2.35             | 2.36             | 2.36               | 2.37               |
|                  | 5°F(-15.0°C)       | 12477                               | 12227            | 12166            | 10756              | 10659              | 2.52                      | 2.54             | 2.54             | 2.55               | 2.56               |
|                  | 14°F(-10.0°C)      | 13027                               | 12767            | 12703            | 11231              | 11129              | 2.44                      | 2.46             | 2.46             | 2.47               | 2.48               |
|                  | 17°F(-8.3°C)       | 13211                               | 12946            | 12882            | 11389              | 11286              | 2.41                      | 2.43             | 2.44             | 2.44               | 2.45               |
|                  | 22°F(-5.6°C)       | 13516                               | 13246            | 13180            | 11652              | 11547              | 2.31                      | 2.33             | 2.34             | 2.34               | 2.35               |
|                  | 27°F(-2.8°C)       | 13822                               | 13545            | 13477            | 11915              | 11808              | 2.21                      | 2.23             | 2.24             | 2.24               | 2.25               |
|                  | 32°F(0.0°C)        | 14127                               | 13844            | 13775            | 12179              | 12069              | 2.12                      | 2.13             | 2.14             | 2.14               | 2.15               |
|                  | 35°F(1.7°C)        | 14310                               | 14024            | 13954            | 12337              | 12226              | 2.06                      | 2.07             | 2.08             | 2.08               | 2.09               |
|                  | 37°F(2.8°C)        | 14421                               | 14132            | 14062            | 12432              | 12320              | 2.03                      | 2.04             | 2.05             | 2.05               | 2.06               |
|                  | 42°F(5.6°C)        | 14696                               | 14402            | 14330            | 12669              | 12555              | 1.95                      | 1.97             | 1.97             | 1.98               | 1.99               |
|                  | 44.6°F(7.0°C)      | 14807                               | 14511            | 14438            | 12765              | 12650              | 1.93                      | 1.94             | 1.95             | 1.95               | 1.96               |
|                  | 47°F(8.3°C)        | 14972                               | 14673            | 14599            | 12907              | 12791              | 1.88                      | 1.90             | 1.90             | 1.91               | 1.91               |
|                  | 52°F(11.1°C)       | 14225                               | 13941            | 13871            | 12263              | 12153              | 1.64                      | 1.66             | 1.66             | 1.66               | 1.67               |
|                  | 57°F(13.9°C)       | 13479                               | 13209            | 13143            | 11620              | 11515              | 1.40                      | 1.41             | 1.42             | 1.42               | 1.43               |
| 318              | 59°F(15.0°C)       | 13180                               | 12916            | 12852            | 11362              | 11260              | 1.31                      | 1.32             | 1.32             | 1.32               | 1.33               |
|                  | 62°F(16.7°C)       | 12732                               | 12477            | 12415            | 10976              | 10877              | 1.16                      | 1.17             | 1.17             | 1.18               | 1.18               |
|                  | 64.4°F(18.0°C)     | 12433                               | 12184            | 12123            | 10718              | 10622              | 1.07                      | 1.07             | 1.08             | 1.08               | 1.08               |
|                  | -22°F(-30.0°C)     | 6276                                | 6150             | 6119             | 5856               | 5803               | 1.85                      | 1.86             | 1.87             | 1.87               | 1.88               |
|                  | -13°F(-25.0°C)     | 8205                                | 8041             | 8001             | 7508               | 7440               | 1.90                      | 1.91             | 1.92             | 1.92               | 1.93               |
|                  | -4°F(-20.0°C)      | 11487                               | 11257            | 11201            | 10511              | 10416              | 2.21                      | 2.23             | 2.23             | 2.24               | 2.25               |
|                  | 0°F(-17.8°C)       | 12581                               | 12330            | 12268            | 11512              | 11408              | 2.36                      | 2.38             | 2.38             | 2.39               | 2.40               |
|                  | 5°F(-15.0°C)       | 13949                               | 13670            | 13601            | 12763              | 12648              | 2.54                      | 2.56             | 2.57             | 2.58               | 2.59               |
|                  | 14°F(-10.0°C)      | 14564                               | 14273            | 14201            | 13326              | 13206              | 2.46                      | 2.48             | 2.49             | 2.49               | 2.50               |
|                  | 17°F(-8.3°C)       | 14769                               | 14474            | 14401            | 13514              | 13392              | 2.44                      | 2.46             | 2.46             | 2.47               | 2.48               |
|                  | 22°F(-5.6°C)       | 15111                               | 14809            | 14734            | 13827              | 13702              | 2.34                      | 2.36             | 2.36             | 2.37               | 2.38               |
|                  | 27°F(-2.8°C)       | 15452                               | 15143            | 15067            | 14139              | 14012              | 2.24                      | 2.26             | 2.26             | 2.26               | 2.27               |
|                  | 32°F(0.0°C)        | 15794                               | 15478            | 15400            | 14451              | 14321              | 2.14                      | 2.15             | 2.16             | 2.16               | 2.17               |
|                  | 35°F(1.7°C)        | 15999                               | 15679            | 15600            | 14639              | 14507              | 2.08                      | 2.09             | 2.10             | 2.10               | 2.11               |
|                  | 37°F(2.8°C)        | 16122                               | 15799            | 15720            | 14752              | 14619              | 2.05                      | 2.06             | 2.07             | 2.07               | 2.08               |
|                  | 42°F(5.6°C)        | 16430                               | 16102            | 16021            | 15034              | 14899              | 1.97                      | 1.99             | 1.99             | 2.00               | 2.01               |
|                  | 44.6°F(7.0°C)      | 16554                               | 16222            | 16141            | 15147              | 15010              | 1.95                      | 1.96             | 1.97             | 1.97               | 1.98               |
| 388              | 47°F(8.3°C)        | 16738                               | 16404            | 16322            | 15316              | 15178              | 1.90                      | 1.92             | 1.92             | 1.92               | 1.93               |
|                  | 52°F(11.1°C)       | 15904                               | 15586            | 15508            | 14552              | 14421              | 1.66                      | 1.67             | 1.68             | 1.68               | 1.69               |
|                  | 57°F(13.9°C)       | 15069                               | 14767            | 14694            | 13788              | 13664              | 1.42                      | 1.43             | 1.43             | 1.43               | 1.44               |
|                  | 59°F(15.0°C)       | 14735                               | 14440            | 14368            | 13483              | 13361              | 1.32                      | 1.33             | 1.33             | 1.34               | 1.34               |
|                  | 62°F(16.7°C)       | 14234                               | 13949            | 13879            | 13024              | 12907              | 1.17                      | 1.18             | 1.19             | 1.19               | 1.19               |
|                  | 64.4°F(18.0°C)     | 13900                               | 13622            | 13554            | 12719              | 12604              | 1.08                      | 1.09             | 1.09             | 1.09               | 1.09               |
|                  | -22°F(-30.0°C)     | 7155                                | 7012             | 6977             | 6949               | 6886               | 1.87                      | 1.88             | 1.89             | 1.89               | 1.90               |
|                  | -13°F(-25.0°C)     | 9173                                | 8990             | 8945             | 8909               | 8829               | 1.92                      | 1.93             | 1.93             | 1.94               | 1.95               |
|                  | -4°F(-20.0°C)      | 12842                               | 12586            | 12523            | 12473              | 12360              | 2.23                      | 2.25             | 2.26             | 2.26               | 2.27               |
|                  | 0°F(-17.8°C)       | 14065                               | 13784            | 13715            | 13660              | 13537              | 2.38                      | 2.40             | 2.41             | 2.41               | 2.42               |
|                  | 5°F(-15.0°C)       | 15594                               | 15282            | 15206            | 15145              | 15009              | 2.57                      | 2.59             | 2.60             | 2.60               | 2.61               |
|                  | 14°F(-10.0°C)      | 16282                               | 15957            | 15877            | 15813              | 15671              | 2.49                      | 2.51             | 2.51             | 2.52               | 2.53               |
|                  | 17°F(-8.3°C)       | 16512                               | 16181            | 16101            | 16036              | 15892              | 2.46                      | 2.48             | 2.49             | 2.49               | 2.50               |
|                  | 22°F(-5.6°C)       | 16893                               | 16556            | 16473            | 16407              | 16259              | 2.36                      | 2.38             | 2.38             | 2.39               | 2.40               |
|                  | 27°F(-2.8°C)       | 17275                               | 16930            | 16845            | 16778              | 16627              | 2.26                      | 2.28             | 2.28             | 2.29               | 2.30               |
|                  | 32°F(0.0°C)        | 17657                               | 17304            | 17217            | 17148              | 16994              | 2.16                      | 2.18             | 2.18             | 2.18               | 2.19               |
|                  | 35°F(1.7°C)        | 17886                               | 17528            | 17441            | 17371              | 17215              | 2.10                      | 2.11             | 2.12             | 2.12               | 2.13               |
|                  | 37°F(2.8°C)        | 18024                               | 17663            | 17575            | 17505              | 17347              | 2.07                      | 2.08             | 2.09             | 2.09               | 2.10               |
|                  | 42°F(5.6°C)        | 18369                               | 18001            | 17911            | 17840              | 17679              | 1.99                      | 2.01             | 2.01             | 2.02               | 2.03               |
|                  | 44.6°F(7.0°C)      | 18506                               | 18136            | 18046            | 17973              | 17812              | 1.97                      | 1.98             | 1.99             | 1.99               | 2.00               |
|                  | 47°F(8.3°C)        | 18713                               | 18339            | 18247            | 18174              | 18011              | 1.92                      | 1.94             | 1.94             | 1.94               | 1.95               |
|                  | 52°F(11.1°C)       | 17780                               | 17424            | 17337            | 17268              | 17112              | 1.68                      | 1.69             | 1.69             | 1.70               | 1.70               |
|                  | 57°F(13.9°C)       | 16846                               | 16510            | 16427            | 16361              | 16214              | 1.43                      | 1.44             | 1.45             | 1.45               | 1.45               |
|                  | 59°F(15.0°C)       | 16473                               | 16144            | 16063            | 15999              | 15855              | 1.33                      | 1.34             | 1.35             | 1.35               | 1.35               |
|                  | 62°F(16.7°C)       | 15913                               | 15595            | 15517            | 15455              | 15316              | 1.19                      | 1.20             | 1.20             | 1.20               | 1.21               |
|                  | 64.4°F(18.0°C)     | 15540                               | 15229            | 15153            | 15092              | 14956              | 1.09                      | 1.10             | 1.10             | 1.10               | 1.11               |

## HEATING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 18 (Sheet 2 of 2)

| AIRFLOW<br>(CFM) | OUTDOOR DB<br>(°F) | TC: Total Heating Capacity (BTU/hr) |                  |                  |                    |                    | PI: Power Input (kW)      |                  |                  |                    |                    |
|------------------|--------------------|-------------------------------------|------------------|------------------|--------------------|--------------------|---------------------------|------------------|------------------|--------------------|--------------------|
|                  |                    | Indoor Conditions (DB °F)           |                  |                  |                    |                    | Indoor Conditions (DB °F) |                  |                  |                    |                    |
|                  |                    | 60.8°F<br>(16.0°C)                  | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) | 60.8°F<br>(16.0°C)        | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) |
| 447              | -22°F(-30.0°C)     | 7999                                | 7839             | 7800             | 7769               | 7699               | 1.89                      | 1.90             | 1.91             | 1.91               | 1.92               |
|                  | -13°F(-25.0°C)     | 10255                               | 10050            | 10000            | 9960               | 9870               | 1.93                      | 1.95             | 1.95             | 1.96               | 1.97               |
|                  | -4°F(-20.0°C)      | 14358                               | 14070            | 14000            | 13944              | 13819              | 2.26                      | 2.27             | 2.28             | 2.28               | 2.29               |
|                  | 0°F(-17.8°C)       | 15725                               | 15410            | 15333            | 15272              | 15135              | 2.41                      | 2.43             | 2.43             | 2.44               | 2.45               |
|                  | 5°F(-15.0°C)       | 17434                               | 17085            | 17000            | 16932              | 16780              | 2.60                      | 2.62             | 2.62             | 2.63               | 2.64               |
|                  | 14°F(-10.0°C)      | 18203                               | 17839            | 17750            | 17679              | 17520              | 2.51                      | 2.53             | 2.54             | 2.54               | 2.55               |
|                  | 17°F(-8.3°C)       | 18460                               | 18090            | 18000            | 17928              | 17767              | 2.49                      | 2.51             | 2.51             | 2.52               | 2.53               |
|                  | 22°F(-5.6°C)       | 18886                               | 18509            | 18416            | 18343              | 18177              | 2.38                      | 2.40             | 2.41             | 2.41               | 2.42               |
|                  | 27°F(-2.8°C)       | 19313                               | 18927            | 18832            | 18757              | 18588              | 2.28                      | 2.30             | 2.31             | 2.31               | 2.32               |
|                  | 32°F(0.0°C)        | 19740                               | 19345            | 19249            | 19172              | 18999              | 2.18                      | 2.20             | 2.20             | 2.21               | 2.22               |
|                  | 35°F(1.7°C)        | 19996                               | 19596            | 19498            | 19420              | 19245              | 2.12                      | 2.14             | 2.14             | 2.14               | 2.15               |
|                  | 37°F(2.8°C)        | 20150                               | 19747            | 19649            | 19570              | 19394              | 2.09                      | 2.11             | 2.11             | 2.11               | 2.12               |
|                  | 42°F(5.6°C)        | 20536                               | 20125            | 20024            | 19944              | 19765              | 2.01                      | 2.03             | 2.04             | 2.04               | 2.05               |
|                  | 44.6°F(7.0°C)      | 20690                               | 20276            | 20175            | 20094              | 19913              | 1.99                      | 2.00             | 2.01             | 2.01               | 2.02               |
|                  | 47°F(8.3°C)        | 20921                               | 20503            | 20400            | 20318              | 20136              | 1.94                      | 1.96             | 1.96             | 1.96               | 1.97               |
|                  | 52°F(11.1°C)       | 19877                               | 19480            | 19382            | 19305              | 19131              | 1.69                      | 1.71             | 1.71             | 1.71               | 1.72               |
|                  | 57°F(13.9°C)       | 18834                               | 18457            | 18365            | 18292              | 18127              | 1.45                      | 1.46             | 1.46             | 1.46               | 1.47               |
|                  | 59°F(15.0°C)       | 18417                               | 18048            | 17958            | 17886              | 17725              | 1.35                      | 1.36             | 1.36             | 1.36               | 1.37               |
|                  | 62°F(16.7°C)       | 17790                               | 17435            | 17347            | 17278              | 17123              | 1.20                      | 1.21             | 1.21             | 1.21               | 1.22               |
|                  | 64.4°F(18.0°C)     | 17373                               | 17026            | 16940            | 16873              | 16721              | 1.10                      | 1.11             | 1.11             | 1.11               | 1.12               |

NOTE: Values in grey are extrapolated based on tested performance.

**Table 21 — Four-Way Cassette Cooling Performance (24K)**

COOLING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 24 (Sheet 1 of 4)

| AIRFLOW<br>(CFM) | OUTDOOR<br>DB (°F) | ID WB<br>(°F) | 60.8°F(16.0°C) |          |          |          |          | 64.4°F(18.0°C) |          |          |          |          | 67°F(19.4°C) |          |          |          |          | 71.6°F(22.0°C) |          |          |          |          |          |
|------------------|--------------------|---------------|----------------|----------|----------|----------|----------|----------------|----------|----------|----------|----------|--------------|----------|----------|----------|----------|----------------|----------|----------|----------|----------|----------|
|                  |                    |               | ID DB          | 73.4°F   | 77.0°F   | 80.0°F   | 80.6°F   | 84.2°F         | 73.4°F   | 77.0°F   | 80.0°F   | 80.6°F   | 84.2°F       | 73.4°F   | 77.0°F   | 80.0°F   | 80.6°F   | 84.2°F         | 73.4°F   | 77.0°F   | 80.0°F   | 80.6°F   | 84.2°F   |
|                  |                    |               | (°F)           | (23.0°C) | (25.0°C) | (26.7°C) | (27.0°C) | (29.0°C)       | (23.0°C) | (25.0°C) | (26.7°C) | (27.0°C) | (29.0°C)     | (23.0°C) | (25.0°C) | (26.7°C) | (27.0°C) | (29.0°C)       | (23.0°C) | (25.0°C) | (26.7°C) | (27.0°C) | (29.0°C) |
| 547              | -22°F<br>(-30.0°C) | TC            | 14163          | 14182    | 14197    | 14197    | 14217    | 15016          | 15034    | 15049    | 15052    | 15069    | 15913        | 15934    | 15952    | 15955    | 15972    | 16872          | 16890    | 16909    | 16911    | 16932    |          |
|                  |                    | S/T           | 0.41           | 0.48     | 0.55     | 0.55     | 0.62     | 0.43           | 0.51     | 0.58     | 0.58     | 0.66     | 0.46         | 0.54     | 0.61     | 0.61     | 0.70     | 0.49           | 0.57     | 0.65     | 0.65     | 0.74     |          |
|                  |                    | PI            | 0.89           | 0.90     | 0.90     | 0.90     | 0.90     | 0.95           | 0.95     | 0.95     | 0.95     | 0.95     | 1.01         | 1.01     | 1.01     | 1.01     | 1.01     | 1.07           | 1.07     | 1.07     | 1.07     | 1.07     |          |
|                  | -13°F<br>(-25.0°C) | TC            | 20339          | 20367    | 20388    | 20389    | 20417    | 21565          | 21590    | 21612    | 21616    | 21642    | 22853        | 22883    | 22908    | 22913    | 22938    | 24230          | 24257    | 24283    | 24287    | 24317    |          |
|                  |                    | S/T           | 0.41           | 0.48     | 0.55     | 0.55     | 0.63     | 0.44           | 0.51     | 0.58     | 0.58     | 0.66     | 0.46         | 0.54     | 0.62     | 0.62     | 0.70     | 0.49           | 0.58     | 0.65     | 0.65     | 0.75     |          |
|                  |                    | PI            | 1.25           | 1.25     | 1.25     | 1.25     | 1.25     | 1.32           | 1.33     | 1.33     | 1.33     | 1.33     | 1.40         | 1.41     | 1.41     | 1.41     | 1.41     | 1.49           | 1.49     | 1.49     | 1.49     | 1.49     |          |
|                  | -4°F<br>(-20.0°C)  | TC            | 19021          | 19047    | 19067    | 19068    | 19094    | 20167          | 20191    | 20211    | 20215    | 20239    | 21372        | 21400    | 21424    | 21428    | 21452    | 22660          | 22685    | 22709    | 22713    | 22741    |          |
|                  |                    | S/T           | 0.41           | 0.49     | 0.55     | 0.55     | 0.63     | 0.44           | 0.52     | 0.59     | 0.59     | 0.67     | 0.47         | 0.55     | 0.62     | 0.62     | 0.71     | 0.49           | 0.58     | 0.66     | 0.66     | 0.75     |          |
|                  |                    | PI            | 1.18           | 1.19     | 1.19     | 1.19     | 1.19     | 1.26           | 1.26     | 1.26     | 1.26     | 1.26     | 1.33         | 1.33     | 1.33     | 1.33     | 1.33     | 1.41           | 1.41     | 1.41     | 1.41     | 1.42     |          |
|                  | 0°F<br>(-17.8°C)   | TC            | 18435          | 18460    | 18480    | 18481    | 18506    | 19546          | 19570    | 19589    | 19593    | 19616    | 20714        | 20741    | 20764    | 20768    | 20791    | 21962          | 21986    | 22010    | 22013    | 22041    |          |
|                  |                    | S/T           | 0.42           | 0.49     | 0.55     | 0.55     | 0.63     | 0.44           | 0.52     | 0.59     | 0.59     | 0.67     | 0.47         | 0.55     | 0.62     | 0.62     | 0.71     | 0.49           | 0.58     | 0.66     | 0.66     | 0.75     |          |
|                  |                    | PI            | 1.15           | 1.16     | 1.16     | 1.16     | 1.16     | 1.22           | 1.23     | 1.23     | 1.23     | 1.23     | 1.30         | 1.30     | 1.30     | 1.30     | 1.30     | 1.38           | 1.38     | 1.38     | 1.38     | 1.38     |          |
|                  | 5°F<br>(-15.0°C)   | TC            | 17703          | 17727    | 17746    | 17747    | 17771    | 18770          | 18792    | 18811    | 18815    | 18837    | 19891        | 19917    | 19939    | 19943    | 19965    | 21090          | 21113    | 21136    | 21139    | 21165    |          |
|                  |                    | S/T           | 0.42           | 0.49     | 0.56     | 0.56     | 0.63     | 0.44           | 0.52     | 0.59     | 0.59     | 0.67     | 0.47         | 0.55     | 0.63     | 0.63     | 0.71     | 0.50           | 0.58     | 0.66     | 0.66     | 0.76     |          |
|                  |                    | PI            | 1.12           | 1.12     | 1.12     | 1.12     | 1.12     | 1.19           | 1.19     | 1.19     | 1.19     | 1.19     | 1.26         | 1.26     | 1.26     | 1.26     | 1.26     | 1.33           | 1.33     | 1.34     | 1.34     | 1.34     |          |
|                  | 14°F<br>(-10.0°C)  | TC            | 20649          | 20676    | 20699    | 20700    | 20728    | 21893          | 21919    | 21941    | 21945    | 21971    | 23201        | 23231    | 23257    | 23261    | 23287    | 24599          | 24626    | 24653    | 24656    | 24687    |          |
|                  |                    | S/T           | 0.42           | 0.49     | 0.56     | 0.56     | 0.64     | 0.44           | 0.52     | 0.59     | 0.59     | 0.67     | 0.47         | 0.55     | 0.63     | 0.63     | 0.71     | 0.50           | 0.58     | 0.66     | 0.66     | 0.76     |          |
|                  |                    | PI            | 0.90           | 0.90     | 0.90     | 0.90     | 0.90     | 0.96           | 0.96     | 0.96     | 0.96     | 0.96     | 1.01         | 1.01     | 1.01     | 1.01     | 1.02     | 1.02           | 1.07     | 1.07     | 1.08     | 1.08     |          |
|                  | 17°F<br>(-8.3°C)   | TC            | 21631          | 21660    | 21683    | 21684    | 21713    | 22934          | 22961    | 22984    | 22989    | 23016    | 24304        | 24336    | 24363    | 24368    | 24395    | 25769          | 25797    | 25825    | 25829    | 25861    |          |
|                  |                    | S/T           | 0.42           | 0.49     | 0.56     | 0.56     | 0.64     | 0.44           | 0.52     | 0.59     | 0.59     | 0.68     | 0.47         | 0.55     | 0.63     | 0.63     | 0.72     | 0.50           | 0.59     | 0.67     | 0.67     | 0.76     |          |
|                  |                    | PI            | 0.83           | 0.83     | 0.83     | 0.83     | 0.83     | 0.88           | 0.88     | 0.88     | 0.88     | 0.88     | 0.93         | 0.93     | 0.93     | 0.93     | 0.93     | 0.99           | 0.99     | 0.99     | 0.99     | 0.99     |          |
|                  | 23°F<br>(-5.0°C)   | TC            | 21208          | 21236    | 21259    | 21260    | 21289    | 22486          | 22513    | 22535    | 22539    | 22566    | 23829        | 23860    | 23887    | 23891    | 23918    | 25265          | 25293    | 25320    | 25324    | 25356    |          |
|                  |                    | S/T           | 0.42           | 0.49     | 0.56     | 0.56     | 0.64     | 0.45           | 0.52     | 0.60     | 0.60     | 0.68     | 0.47         | 0.56     | 0.63     | 0.63     | 0.72     | 0.50           | 0.59     | 0.67     | 0.67     | 0.76     |          |
|                  |                    | PI            | 0.78           | 0.79     | 0.79     | 0.79     | 0.79     | 0.83           | 0.83     | 0.83     | 0.83     | 0.83     | 0.88         | 0.88     | 0.88     | 0.88     | 0.88     | 0.93           | 0.94     | 0.94     | 0.94     | 0.94     |          |
|                  | 35°F<br>(1.7°C)    | TC            | 20363          | 20390    | 20412    | 20413    | 20440    | 21590          | 21615    | 21637    | 21641    | 21667    | 22880        | 22909    | 22935    | 22939    | 22965    | 24258          | 24285    | 24311    | 24315    | 24345    |          |
|                  |                    | S/T           | 0.42           | 0.50     | 0.57     | 0.57     | 0.64     | 0.45           | 0.53     | 0.60     | 0.60     | 0.68     | 0.48         | 0.56     | 0.63     | 0.64     | 0.72     | 0.50           | 0.59     | 0.67     | 0.67     | 0.77     |          |
|                  |                    | PI            | 0.70           | 0.70     | 0.70     | 0.70     | 0.70     | 0.74           | 0.74     | 0.74     | 0.74     | 0.74     | 0.78         | 0.78     | 0.78     | 0.78     | 0.78     | 0.83           | 0.83     | 0.83     | 0.83     | 0.83     |          |
|                  | 41°F<br>(5.0°C)    | TC            | 21486          | 21515    | 21538    | 21539    | 21568    | 22781          | 22808    | 22830    | 22835    | 22862    | 24142        | 24173    | 24200    | 24204    | 24231    | 25596          | 25624    | 25652    | 25656    | 25688    |          |
|                  |                    | S/T           | 0.42           | 0.50     | 0.57     | 0.57     | 0.65     | 0.45           | 0.53     | 0.60     | 0.60     | 0.68     | 0.48         | 0.56     | 0.64     | 0.64     | 0.73     | 0.51           | 0.59     | 0.67     | 0.67     | 0.77     |          |
|                  |                    | PI            | 0.92           | 0.92     | 0.92     | 0.92     | 0.92     | 0.97           | 0.97     | 0.97     | 0.97     | 0.97     | 1.03         | 1.03     | 1.03     | 1.03     | 1.03     | 1.09           | 1.09     | 1.09     | 1.09     | 1.10     |          |
|                  | 47°F<br>(8.3°C)    | TC            | 22609          | 22639    | 22664    | 22665    | 22695    | 23972          | 24000    | 24024    | 24028    | 24057    | 25404        | 25437    | 25465    | 25470    | 25498    | 26934          | 26964    | 26993    | 26997    | 27031    |          |
|                  |                    | S/T           | 0.43           | 0.50     | 0.57     | 0.57     | 0.65     | 0.45           | 0.53     | 0.60     | 0.60     | 0.69     | 0.48         | 0.56     | 0.64     | 0.64     | 0.73     | 0.51           | 0.60     | 0.68     | 0.68     | 0.77     |          |
|                  |                    | PI            | 1.14           | 1.14     | 1.14     | 1.14     | 1.14     | 1.21           | 1.21     | 1.21     | 1.21     | 1.21     | 1.28         | 1.28     | 1.28     | 1.28     | 1.28     | 1.35           | 1.36     | 1.36     | 1.36     | 1.36     |          |
|                  | 50°F<br>(10.0°C)   | TC            | 22801          | 22832    | 22856    | 22857    | 22888    | 24175          | 24204    | 24227    | 24232    | 24261    | 25619        | 25653    | 25681    | 25686    | 25715    | 27163          | 27192    | 27222    | 27226    | 27260    |          |
|                  |                    | S/T           | 0.43           | 0.50     | 0.57     | 0.57     | 0.65     | 0.45           | 0.53     | 0.61     | 0.61     | 0.69     | 0.48         | 0.56     | 0.64     | 0.64     | 0.73     | 0.51           | 0.60     | 0.68     | 0.68     | 0.78     |          |
|                  |                    | PI            | 1.17           | 1.17     | 1.17     | 1.17     | 1.18     | 1.24           | 1.24     | 1.24     | 1.24     | 1.25     | 1.32         | 1.32     | 1.32     | 1.32     | 1.32     | 1.39           | 1.40     | 1.40     | 1.40     | 1.40     |          |
|                  | 59°F<br>(15.0°C)   | TC            | 23376          | 23408    | 23433    | 23434    | 23466    | 24785          | 24815    | 24839    | 24844    | 24873    | 26266        | 26300    | 26329    | 26334    | 26364    | 27849          | 27879    | 27909    | 27914    | 27948    |          |
|                  |                    | S/T           | 0.43           | 0.50     | 0.57     | 0.57     | 0.65     | 0.46           | 0.54     | 0.61     | 0.61     | 0.69     | 0.48         | 0.57     | 0.64     | 0.64     | 0.73     | 0.51           | 0.60     | 0.68     | 0.68     | 0.78     |          |
|                  |                    | PI            | 1.27           | 1.27     | 1.28     | 1.28     | 1.28     | 1.35           | 1.35     | 1.35     | 1.35     | 1.35     | 1.43         | 1.43     | 1.43     | 1.43     | 1.44     | 1.52           | 1.52     | 1.52     | 1.52     | 1.52     |          |
|                  | 68°F<br>(20.0°C)   | TC            | 23952          | 23984    | 24010    | 24011    | 24044    | 25396          | 25426    | 25451    | 25456    | 25486    | 26913        | 26948    | 26978    | 26983    | 27013    | 28534          | 28565    | 28596    | 28601    | 28636    |          |
|                  |                    | S/T           | 0.44           | 0.52     | 0.59     | 0.59     | 0.67     | 0.47           | 0.55     | 0.62     | 0.62     | 0.71     | 0.50         | 0.58     | 0.66     | 0.66     | 0.75     | 0.53           | 0.62     | 0.70     | 0.70     | 0.80     |          |
|                  |                    | PI            | 1.37           | 1.38     | 1.38     | 1.38     | 1.38     | 1.46           | 1.46     | 1.46     | 1.46     | 1.46     | 1.54         | 1.55     | 1.55     | 1.55     | 1.55     | 1.64           | 1.64     | 1.64     | 1.64     | 1.64     |          |
|                  | 77°F<br>(25.0°C)   | TC            | 24528          | 24561    | 24587    | 24588    | 24621    | 26006          | 26037    | 26062    | 26067    | 26098    | 27560        | 27595    | 27626    | 27631    | 27662    | 29220          | 29252    | 29284    | 29288    | 29325    |          |
|                  |                    | S/T           | 0.45           | 0.53     | 0.60     | 0.60     | 0.68     | 0.47           | 0.56     | 0.63     | 0.63     | 0.72     | 0.50         | 0.59     | 0.67     | 0.67     | 0.76     | 0.53           | 0.63     | 0.71     | 0.71     | 0.81     |          |
|                  |                    | PI            | 1.48           | 1.48     | 1.48     | 1.48     | 1.48     | 1.57           | 1.57     | 1.57     | 1.57     | 1.57     | 1.66         | 1.66     | 1.66     | 1.66     | 1.66     | 1.76           | 1.76     | 1.76     | 1.76     | 1.76     |          |
|                  | 82°F<br>(27.8°C)   | TC            | 24109          | 24141    | 24167    | 24169    | 24201    | 25562          | 25592    | 25617    | 25623    | 25653    | 27089        | 27124    | 27155    | 27160    | 27190    | 28721          | 28753    | 28784    | 28788    | 28824    |          |
|                  |                    | S/T           | 0.45           | 0.53     | 0.60     | 0.60     | 0.69     | 0.48           | 0.56     | 0.64     | 0.64     | 0.73     | 0.51         | 0.60     | 0.68     | 0.68     | 0.77     | 0.54           | 0.63     | 0.72     | 0.72     | 0.82     |          |
|                  |                    | PI            | 1.54           | 1.54     | 1.55     | 1.55     | 1.55     | 1.64           | 1.64     | 1.64     | 1.64     | 1.64     | 1.73         | 1.74     | 1.74     | 1.74     | 1.74     | 1.84           | 1.84     | 1.84     | 1.84     | 1.84     |          |
|                  | 86°F<br>(30.0°C)   | TC            | 22842          | 22873    | 22898    | 22899    | 22930    | 24219          | 24248    | 24272    | 24276    | 24305    | 25666        | 25699    | 25728    | 25733    | 25761    | 27212          | 27242    | 27272    | 27276    | 27310    |          |
|                  |                    | S/T           | 0.46           | 0.54     | 0.61     | 0.61     | 0.70     | 0.49           | 0.57     | 0.65     | 0.65     | 0.74     | 0.52         | 0.61     | 0.69     | 0.69     | 0.78     | 0.55           | 0.64     | 0.73     | 0.73     | 0.83     |          |
|                  |                    | PI            | 1.61           | 1.61     | 1.61     | 1.61     | 1.61     | 1.70           | 1.71     | 1.71     | 1.71     | 1.71     | 1.81         | 1.81     | 1.81     | 1.81     | 1.81     | 1.92           |          |          |          |          |          |

COOLING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 24 (Sheet 2 of 4)

| AIRFLOW<br>(CFM) | OUTDOOR<br>DB (°F) | ID WB<br>(°F) | 60.8°F(16.0°C) |          |          |          |          | 64.4°F(18.0°C) |          |          |          |          | 67°F(19.4°C) |          |          |          |          | 71.6°F(22.0°C) |          |          |          |          |          |
|------------------|--------------------|---------------|----------------|----------|----------|----------|----------|----------------|----------|----------|----------|----------|--------------|----------|----------|----------|----------|----------------|----------|----------|----------|----------|----------|
|                  |                    |               | ID DB          | 73.4°F   | 77.0°F   | 80.0°F   | 80.6°F   | 84.2°F         | 73.4°F   | 77.0°F   | 80.0°F   | 80.6°F   | 84.2°F       | 73.4°F   | 77.0°F   | 80.0°F   | 80.6°F   | 84.2°F         | 73.4°F   | 77.0°F   | 80.0°F   | 80.6°F   | 84.2°F   |
|                  |                    |               | (°F)           | (23.0°C) | (25.0°C) | (26.7°C) | (27.0°C) | (29.0°C)       | (23.0°C) | (25.0°C) | (26.7°C) | (27.0°C) | (29.0°C)     | (23.0°C) | (25.0°C) | (26.7°C) | (27.0°C) | (29.0°C)       | (23.0°C) | (25.0°C) | (26.7°C) | (27.0°C) | (29.0°C) |
| 635              | -22°F<br>(-30.0°C) | TC            | 14896          | 14916    | 14932    | 14933    | 14953    | 15794          | 15812    | 15828    | 15831    | 15850    | 16737        | 16759    | 16778    | 16781    | 16799    | 17746          | 17765    | 17784    | 17787    | 17809    |          |
|                  |                    | S/T           | 0.43           | 0.50     | 0.57     | 0.57     | 0.65     | 0.46           | 0.54     | 0.61     | 0.61     | 0.69     | 0.48         | 0.57     | 0.64     | 0.64     | 0.73     | 0.51           | 0.60     | 0.68     | 0.68     | 0.78     |          |
|                  |                    | PI            | 0.94           | 0.94     | 0.94     | 0.94     | 0.94     | 1.00           | 1.00     | 1.00     | 1.00     | 1.00     | 1.06         | 1.06     | 1.06     | 1.06     | 1.12     | 1.12           | 1.12     | 1.12     | 1.12     |          |          |
|                  | -13°F<br>(-25.0°C) | TC            | 21392          | 21421    | 21444    | 21445    | 21474    | 22682          | 22708    | 22731    | 22735    | 22762    | 24037        | 24068    | 24095    | 24099    | 24126    | 25485          | 25513    | 25540    | 25544    | 25576    |          |
|                  |                    | S/T           | 0.43           | 0.51     | 0.58     | 0.58     | 0.66     | 0.46           | 0.54     | 0.61     | 0.61     | 0.70     | 0.49         | 0.57     | 0.65     | 0.65     | 0.74     | 0.52           | 0.61     | 0.69     | 0.69     | 0.78     |          |
|                  |                    | PI            | 1.31           | 1.32     | 1.32     | 1.32     | 1.32     | 1.39           | 1.39     | 1.40     | 1.40     | 1.40     | 1.48         | 1.48     | 1.48     | 1.48     | 1.48     | 1.57           | 1.57     | 1.57     | 1.57     | 1.57     |          |
|                  | -4°F<br>(-20.0°C)  | TC            | 20006          | 20033    | 20055    | 20055    | 20083    | 21212          | 21237    | 21258    | 21262    | 21287    | 22479        | 22508    | 22533    | 22537    | 22563    | 23833          | 23859    | 23885    | 23889    | 23919    |          |
|                  |                    | S/T           | 0.44           | 0.51     | 0.58     | 0.58     | 0.66     | 0.46           | 0.54     | 0.62     | 0.62     | 0.70     | 0.49         | 0.57     | 0.65     | 0.65     | 0.74     | 0.52           | 0.61     | 0.69     | 0.69     | 0.79     |          |
|                  |                    | PI            | 1.24           | 1.25     | 1.25     | 1.25     | 1.25     | 1.32           | 1.32     | 1.32     | 1.32     | 1.32     | 1.40         | 1.40     | 1.40     | 1.40     | 1.40     | 1.48           | 1.48     | 1.49     | 1.49     | 1.49     |          |
|                  | 0°F<br>(-17.8°C)   | TC            | 19390          | 19416    | 19437    | 19438    | 19464    | 20558          | 20583    | 20603    | 20607    | 20632    | 21787        | 21815    | 21839    | 21843    | 21868    | 23099          | 23125    | 23150    | 23153    | 23182    |          |
|                  |                    | S/T           | 0.44           | 0.51     | 0.58     | 0.58     | 0.66     | 0.46           | 0.54     | 0.62     | 0.62     | 0.70     | 0.49         | 0.58     | 0.65     | 0.65     | 0.75     | 0.52           | 0.61     | 0.69     | 0.69     | 0.79     |          |
|                  |                    | PI            | 1.21           | 1.22     | 1.22     | 1.22     | 1.22     | 1.29           | 1.29     | 1.29     | 1.29     | 1.29     | 1.36         | 1.37     | 1.37     | 1.37     | 1.37     | 1.45           | 1.45     | 1.45     | 1.45     | 1.45     |          |
|                  | 5°F<br>(-15.0°C)   | TC            | 18620          | 18645    | 18665    | 18666    | 18691    | 19742          | 19765    | 19785    | 19789    | 19812    | 20921        | 20949    | 20972    | 20976    | 20999    | 22182          | 22206    | 22230    | 22234    | 22261    |          |
|                  |                    | S/T           | 0.44           | 0.52     | 0.59     | 0.59     | 0.67     | 0.47           | 0.55     | 0.62     | 0.62     | 0.71     | 0.49         | 0.58     | 0.66     | 0.66     | 0.75     | 0.52           | 0.61     | 0.70     | 0.70     | 0.79     |          |
|                  |                    | PI            | 1.18           | 1.18     | 1.18     | 1.18     | 1.18     | 1.25           | 1.25     | 1.25     | 1.25     | 1.25     | 1.32         | 1.32     | 1.32     | 1.32     | 1.33     | 1.40           | 1.40     | 1.40     | 1.40     | 1.41     |          |
|                  | 14°F<br>(-10.0°C)  | TC            | 21718          | 21747    | 21771    | 21772    | 21801    | 23027          | 23054    | 23077    | 23081    | 23109    | 24402        | 24434    | 24461    | 24466    | 24493    | 25873          | 25901    | 25929    | 25933    | 25965    |          |
|                  |                    | S/T           | 0.44           | 0.52     | 0.59     | 0.59     | 0.67     | 0.47           | 0.55     | 0.62     | 0.62     | 0.71     | 0.49         | 0.58     | 0.66     | 0.66     | 0.75     | 0.52           | 0.61     | 0.70     | 0.70     | 0.80     |          |
|                  |                    | PI            | 0.95           | 0.95     | 0.95     | 0.95     | 0.95     | 1.00           | 1.01     | 1.01     | 1.01     | 1.01     | 1.06         | 1.07     | 1.07     | 1.07     | 1.07     | 1.13           | 1.13     | 1.13     | 1.13     | 1.13     |          |
|                  | 17°F<br>(-8.3°C)   | TC            | 22751          | 22781    | 22806    | 22807    | 22838    | 24122          | 24150    | 24174    | 24179    | 24208    | 25563        | 25596    | 25625    | 25629    | 25658    | 27103          | 27132    | 27162    | 27166    | 27200    |          |
|                  |                    | S/T           | 0.44           | 0.52     | 0.59     | 0.59     | 0.67     | 0.47           | 0.55     | 0.62     | 0.62     | 0.71     | 0.50         | 0.58     | 0.66     | 0.66     | 0.75     | 0.53           | 0.62     | 0.70     | 0.70     | 0.80     |          |
|                  |                    | PI            | 0.87           | 0.87     | 0.87     | 0.87     | 0.87     | 0.92           | 0.93     | 0.93     | 0.93     | 0.93     | 0.98         | 0.98     | 0.98     | 0.98     | 0.98     | 1.04           | 1.04     | 1.04     | 1.04     | 1.04     |          |
|                  | 23°F<br>(-5.0°C)   | TC            | 22306          | 22336    | 22360    | 22361    | 22391    | 23650          | 23678    | 23702    | 23706    | 23735    | 25063        | 25096    | 25124    | 25129    | 25157    | 26573          | 26602    | 26631    | 26635    | 26669    |          |
|                  |                    | S/T           | 0.44           | 0.52     | 0.59     | 0.59     | 0.67     | 0.47           | 0.55     | 0.63     | 0.63     | 0.71     | 0.50         | 0.58     | 0.66     | 0.66     | 0.76     | 0.53           | 0.62     | 0.70     | 0.70     | 0.80     |          |
|                  |                    | PI            | 0.82           | 0.83     | 0.83     | 0.83     | 0.83     | 0.87           | 0.88     | 0.88     | 0.88     | 0.88     | 0.93         | 0.93     | 0.93     | 0.93     | 0.93     | 0.98           | 0.98     | 0.98     | 0.99     | 0.99     |          |
|                  | 35°F<br>(1.7°C)    | TC            | 21417          | 21446    | 21469    | 21470    | 21499    | 22708          | 22735    | 22757    | 22762    | 22789    | 24064        | 24096    | 24122    | 24127    | 24154    | 25514          | 25542    | 25570    | 25574    | 25606    |          |
|                  |                    | S/T           | 0.45           | 0.52     | 0.59     | 0.59     | 0.68     | 0.47           | 0.55     | 0.63     | 0.63     | 0.72     | 0.50         | 0.59     | 0.67     | 0.67     | 0.76     | 0.53           | 0.62     | 0.71     | 0.71     | 0.81     |          |
|                  |                    | PI            | 0.73           | 0.73     | 0.73     | 0.73     | 0.73     | 0.78           | 0.78     | 0.78     | 0.78     | 0.78     | 0.82         | 0.82     | 0.82     | 0.82     | 0.83     | 0.87           | 0.87     | 0.87     | 0.87     | 0.87     |          |
|                  | 41°F<br>(5.0°C)    | TC            | 22598          | 22629    | 22653    | 22654    | 22685    | 23960          | 23989    | 24012    | 24017    | 24046    | 25392        | 25425    | 25453    | 25458    | 25486    | 26922          | 26951    | 26980    | 26984    | 27018    |          |
|                  |                    | S/T           | 0.45           | 0.52     | 0.60     | 0.60     | 0.68     | 0.47           | 0.56     | 0.63     | 0.63     | 0.72     | 0.50         | 0.59     | 0.67     | 0.67     | 0.76     | 0.53           | 0.62     | 0.71     | 0.71     | 0.81     |          |
|                  |                    | PI            | 0.96           | 0.96     | 0.97     | 0.97     | 0.97     | 1.02           | 1.02     | 1.02     | 1.02     | 1.03     | 1.08         | 1.08     | 1.09     | 1.09     | 1.09     | 1.15           | 1.15     | 1.15     | 1.15     | 1.15     |          |
|                  | 47°F<br>(8.3°C)    | TC            | 23780          | 23812    | 23837    | 23838    | 23871    | 25213          | 25243    | 25268    | 25273    | 25303    | 26719        | 26754    | 26784    | 26789    | 26818    | 28329          | 28360    | 28391    | 28395    | 28430    |          |
|                  |                    | S/T           | 0.45           | 0.53     | 0.60     | 0.60     | 0.68     | 0.47           | 0.56     | 0.63     | 0.63     | 0.72     | 0.50         | 0.59     | 0.67     | 0.67     | 0.77     | 0.53           | 0.63     | 0.71     | 0.71     | 0.81     |          |
|                  |                    | PI            | 1.20           | 1.20     | 1.20     | 1.20     | 1.20     | 1.27           | 1.27     | 1.27     | 1.27     | 1.27     | 1.34         | 1.34     | 1.35     | 1.35     | 1.35     | 1.42           | 1.43     | 1.43     | 1.43     | 1.43     |          |
|                  | 50°F<br>(10.0°C)   | TC            | 23981          | 24014    | 24040    | 24041    | 24073    | 25427          | 25457    | 25482    | 25487    | 25517    | 26946        | 26981    | 27011    | 27016    | 27046    | 28569          | 28600    | 28632    | 28636    | 28672    |          |
|                  |                    | S/T           | 0.45           | 0.53     | 0.60     | 0.60     | 0.68     | 0.48           | 0.56     | 0.64     | 0.64     | 0.73     | 0.51         | 0.59     | 0.67     | 0.67     | 0.77     | 0.54           | 0.63     | 0.72     | 0.72     | 0.82     |          |
|                  |                    | PI            | 1.23           | 1.23     | 1.23     | 1.23     | 1.24     | 1.31           | 1.31     | 1.31     | 1.31     | 1.31     | 1.38         | 1.39     | 1.39     | 1.39     | 1.39     | 1.47           | 1.47     | 1.47     | 1.47     | 1.47     |          |
|                  | 59°F<br>(15.0°C)   | TC            | 24587          | 24620    | 24646    | 24648    | 24681    | 26069          | 26099    | 26125    | 26130    | 26161    | 27626        | 27662    | 27693    | 27698    | 27729    | 29291          | 29322    | 29354    | 29359    | 29395    |          |
|                  |                    | S/T           | 0.45           | 0.53     | 0.60     | 0.60     | 0.69     | 0.48           | 0.56     | 0.64     | 0.64     | 0.73     | 0.51         | 0.60     | 0.68     | 0.68     | 0.77     | 0.54           | 0.63     | 0.72     | 0.72     | 0.82     |          |
|                  |                    | PI            | 1.34           | 1.34     | 1.34     | 1.34     | 1.34     | 1.42           | 1.42     | 1.42     | 1.42     | 1.42     | 1.50         | 1.51     | 1.51     | 1.51     | 1.51     | 1.59           | 1.60     | 1.60     | 1.60     | 1.60     |          |
|                  | 68°F<br>(20.0°C)   | TC            | 25192          | 25226    | 25253    | 25254    | 25289    | 26711          | 26742    | 26769    | 26774    | 26806    | 28306        | 28343    | 28375    | 28380    | 28412    | 30012          | 30044    | 30077    | 30082    | 30119    |          |
|                  |                    | S/T           | 0.46           | 0.55     | 0.62     | 0.62     | 0.71     | 0.49           | 0.58     | 0.66     | 0.66     | 0.75     | 0.52         | 0.61     | 0.70     | 0.70     | 0.79     | 0.55           | 0.65     | 0.74     | 0.74     | 0.84     |          |
|                  |                    | PI            | 1.45           | 1.45     | 1.45     | 1.45     | 1.45     | 1.53           | 1.53     | 1.54     | 1.54     | 1.54     | 1.62         | 1.63     | 1.63     | 1.63     | 1.63     | 1.72           | 1.72     | 1.73     | 1.73     | 1.73     |          |
|                  | 77°F<br>(25.0°C)   | TC            | 25798          | 25832    | 25860    | 25861    | 25896    | 27352          | 27385    | 27412    | 27417    | 27450    | 28987        | 29024    | 29057    | 29062    | 29094    | 30733          | 30766    | 30800    | 30805    | 30843    |          |
|                  |                    | S/T           | 0.47           | 0.55     | 0.63     | 0.63     | 0.72     | 0.50           | 0.59     | 0.67     | 0.67     | 0.76     | 0.53         | 0.62     | 0.71     | 0.71     | 0.80     | 0.56           | 0.66     | 0.75     | 0.75     | 0.85     |          |
|                  |                    | PI            | 1.55           | 1.55     | 1.56     | 1.56     | 1.56     | 1.65           | 1.65     | 1.65     | 1.65     | 1.65     | 1.74         | 1.75     | 1.75     | 1.75     | 1.75     | 1.85           | 1.85     | 1.85     | 1.85     | 1.86     |          |
|                  | 82°F<br>(27.8°C)   | TC            | 25357          | 25391    | 25419    | 25420    | 25454    | 26886          | 26917    | 26944    | 26949    | 26981    | 28492        | 28529    | 28561    | 28566    | 28598    | 30208          | 30241    | 30274    | 30279    | 30317    |          |
|                  |                    | S/T           | 0.48           | 0.56     | 0.64     | 0.64     | 0.72     | 0.51           | 0.59     | 0.67     | 0.67     | 0.77     | 0.54         | 0.63     | 0.71     | 0.71     | 0.81     | 0.57           | 0.67     | 0.76     | 0.76     | 0.86     |          |
|                  |                    | PI            | 1.62           | 1.62     | 1.63     | 1.63     | 1.63     | 1.72           | 1.72     | 1.72     | 1.72     | 1.73     | 1.82         | 1.83     | 1.83     | 1.83     | 1.83     | 1.93           | 1.93     | 1.94     | 1.94     | 1.94     |          |
|                  | 86°F<br>(30.0°C)   | TC            | 24025          | 24057    | 24083    | 24084    | 24117    | 25473          | 25503    | 25528    | 25533    | 25564    | 26995        | 27030    | 27060    | 27065    | 27095    | 28621          | 28652    | 28684    | 28688    | 28724    |          |
|                  |                    | S/T           | 0.48           | 0.57     | 0.64     | 0.64     | 0.73     | 0.51           | 0.60     | 0.68     | 0.68     | 0.78     | 0.54         | 0.64     | 0.72     | 0.72     | 0.82     | 0.57           | 0.67     | 0.77     | 0.77     | 0.87     |          |
|                  |                    | PI            | 1.69           | 1.69     | 1.70     | 1.70     | 1.70     | 1.79           | 1.80     | 1.80     | 1.80     | 1.80     | 1.90         | 1.90     | 1.90     | 1.91.    |          |                |          |          |          |          |          |

COOLING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 24 (Sheet 3 of 4)

| AIRFLOW<br>(CFM) | OUTDOOR<br>DB (°F) | ID WB<br>(°F) | 60.8°F(16.0°C) |        |          |          |          | 64.4°F(18.0°C) |          |          |          |          | 67°F(19.4°C) |          |          |          |          | 71.6°F(22.0°C) |          |          |          |          |          |
|------------------|--------------------|---------------|----------------|--------|----------|----------|----------|----------------|----------|----------|----------|----------|--------------|----------|----------|----------|----------|----------------|----------|----------|----------|----------|----------|
|                  |                    |               | ID DB<br>(°F)  | 73.4°F | 77.0°F   | 80.0°F   | 80.6°F   | 84.2°F         | 73.4°F   | 77.0°F   | 80.0°F   | 80.6°F   | 84.2°F       | 73.4°F   | 77.0°F   | 80.0°F   | 80.6°F   | 84.2°F         | 73.4°F   | 77.0°F   | 80.0°F   | 80.6°F   | 84.2°F   |
|                  |                    |               |                | (°F)   | (23.0°C) | (25.0°C) | (26.7°C) | (27.0°C)       | (29.0°C) | (23.0°C) | (25.0°C) | (26.7°C) | (27.0°C)     | (29.0°C) | (23.0°C) | (25.0°C) | (26.7°C) | (27.0°C)       | (29.0°C) | (23.0°C) | (25.0°C) | (26.7°C) | (27.0°C) |
| 706              | -22°F<br>(-30.0°C) | TC            | 15667          | 15688  | 15705    | 15706    | 15727    | 16611          | 16631    | 16647    | 16651    | 16670    | 17604        | 17627    | 17646    | 17650    | 17669    | 18664          | 18685    | 18705    | 18708    | 18731    |          |
|                  |                    | S/T           | 0.45           | 0.53   | 0.60     | 0.60     | 0.69     | 0.48           | 0.56     | 0.64     | 0.64     | 0.73     | 0.51         | 0.60     | 0.68     | 0.68     | 0.77     | 0.54           | 0.63     | 0.72     | 0.72     | 0.82     |          |
|                  |                    | PI            | 0.99           | 0.99   | 0.99     | 0.99     | 0.99     | 1.05           | 1.05     | 1.05     | 1.05     | 1.05     | 1.11         | 1.11     | 1.11     | 1.11     | 1.12     | 1.18           | 1.18     | 1.18     | 1.18     | 1.18     |          |
|                  | -13°F<br>(-25.0°C) | TC            | 22500          | 22530  | 22555    | 22556    | 22586    | 23856          | 23884    | 23908    | 23913    | 23941    | 25281        | 25314    | 25342    | 25347    | 25375    | 26805          | 26834    | 26863    | 26867    | 26901    |          |
|                  |                    | S/T           | 0.46           | 0.53   | 0.61     | 0.61     | 0.69     | 0.48           | 0.57     | 0.64     | 0.64     | 0.73     | 0.51         | 0.60     | 0.68     | 0.68     | 0.78     | 0.54           | 0.64     | 0.72     | 0.72     | 0.82     |          |
|                  |                    | PI            | 1.38           | 1.38   | 1.39     | 1.39     | 1.39     | 1.47           | 1.47     | 1.47     | 1.47     | 1.47     | 1.55         | 1.55     | 1.56     | 1.56     | 1.56     | 1.65           | 1.65     | 1.65     | 1.65     | 1.65     |          |
|                  | -4°F<br>(-20.0°C)  | TC            | 21042          | 21070  | 21093    | 21094    | 21122    | 22310          | 22337    | 22359    | 22363    | 22390    | 23643        | 23674    | 23700    | 23704    | 23731    | 25068          | 25095    | 25122    | 25126    | 25157    |          |
|                  |                    | S/T           | 0.46           | 0.54   | 0.61     | 0.61     | 0.70     | 0.49           | 0.57     | 0.65     | 0.65     | 0.74     | 0.51         | 0.60     | 0.69     | 0.69     | 0.78     | 0.55           | 0.64     | 0.73     | 0.73     | 0.83     |          |
|                  |                    | PI            | 1.31           | 1.31   | 1.31     | 1.31     | 1.31     | 1.39           | 1.39     | 1.39     | 1.39     | 1.39     | 1.47         | 1.47     | 1.47     | 1.48     | 1.48     | 1.56           | 1.56     | 1.56     | 1.56     | 1.57     |          |
|                  | 0°F<br>(-17.8°C)   | TC            | 20394          | 20421  | 20443    | 20444    | 20472    | 21623          | 21649    | 21670    | 21674    | 21700    | 22915        | 22945    | 22970    | 22974    | 23000    | 24296          | 24322    | 24348    | 24352    | 24383    |          |
|                  |                    | S/T           | 0.46           | 0.54   | 0.61     | 0.61     | 0.70     | 0.49           | 0.57     | 0.65     | 0.65     | 0.74     | 0.52         | 0.61     | 0.69     | 0.69     | 0.78     | 0.55           | 0.64     | 0.73     | 0.73     | 0.83     |          |
|                  |                    | PI            | 1.28           | 1.28   | 1.28     | 1.28     | 1.28     | 1.35           | 1.36     | 1.36     | 1.36     | 1.36     | 1.44         | 1.44     | 1.44     | 1.44     | 1.44     | 1.52           | 1.52     | 1.52     | 1.53     | 1.53     |          |
|                  | 5°F<br>(-15.0°C)   | TC            | 19584          | 19610  | 19631    | 19632    | 19659    | 20764          | 20789    | 20809    | 20813    | 20838    | 22005        | 22033    | 22058    | 22062    | 22087    | 23331          | 23356    | 23381    | 23385    | 23414    |          |
|                  |                    | S/T           | 0.46           | 0.54   | 0.62     | 0.62     | 0.70     | 0.49           | 0.57     | 0.65     | 0.65     | 0.74     | 0.52         | 0.61     | 0.69     | 0.69     | 0.79     | 0.55           | 0.65     | 0.73     | 0.73     | 0.84     |          |
|                  |                    | PI            | 1.24           | 1.24   | 1.24     | 1.24     | 1.24     | 1.31           | 1.31     | 1.31     | 1.31     | 1.32     | 1.39         | 1.39     | 1.39     | 1.39     | 1.39     | 1.40           | 1.47     | 1.48     | 1.48     | 1.48     |          |
|                  | 14°F<br>(-10.0°C)  | TC            | 22842          | 22873  | 22898    | 22899    | 22930    | 24219          | 24248    | 24272    | 24276    | 24305    | 25666        | 25699    | 25728    | 25733    | 25761    | 27212          | 27242    | 27272    | 27276    | 27310    |          |
|                  |                    | S/T           | 0.46           | 0.54   | 0.62     | 0.62     | 0.70     | 0.49           | 0.58     | 0.65     | 0.65     | 0.75     | 0.52         | 0.61     | 0.69     | 0.69     | 0.79     | 0.55           | 0.65     | 0.73     | 0.74     | 0.84     |          |
|                  |                    | PI            | 1.00           | 1.00   | 1.00     | 1.00     | 1.00     | 1.06           | 1.06     | 1.06     | 1.06     | 1.06     | 1.12         | 1.12     | 1.12     | 1.12     | 1.12     | 1.19           | 1.19     | 1.19     | 1.19     | 1.19     |          |
|                  | 17°F<br>(-8.3°C)   | TC            | 23929          | 23961  | 23987    | 23988    | 24020    | 25371          | 25401    | 25426    | 25431    | 25461    | 26886        | 26921    | 26951    | 26956    | 26986    | 28506          | 28537    | 28568    | 28573    | 28608    |          |
|                  |                    | S/T           | 0.46           | 0.54   | 0.62     | 0.62     | 0.71     | 0.49           | 0.58     | 0.66     | 0.66     | 0.75     | 0.52         | 0.61     | 0.70     | 0.70     | 0.79     | 0.55           | 0.65     | 0.74     | 0.74     | 0.84     |          |
|                  |                    | PI            | 0.92           | 0.92   | 0.92     | 0.92     | 0.92     | 0.97           | 0.97     | 0.97     | 0.97     | 0.98     | 1.03         | 1.03     | 1.03     | 1.03     | 1.03     | 1.09           | 1.09     | 1.09     | 1.09     | 1.10     |          |
|                  | 23°F<br>(-5.0°C)   | TC            | 23461          | 23493  | 23518    | 23519    | 23551    | 24875          | 24904    | 24929    | 24934    | 24964    | 26361        | 26395    | 26425    | 26430    | 26459    | 27949          | 27980    | 28010    | 28015    | 28049    |          |
|                  |                    | S/T           | 0.47           | 0.55   | 0.62     | 0.62     | 0.71     | 0.49           | 0.58     | 0.66     | 0.66     | 0.75     | 0.52         | 0.62     | 0.70     | 0.70     | 0.80     | 0.56           | 0.65     | 0.74     | 0.74     | 0.84     |          |
|                  |                    | PI            | 0.87           | 0.87   | 0.87     | 0.87     | 0.87     | 0.92           | 0.92     | 0.92     | 0.92     | 0.92     | 0.97         | 0.98     | 0.98     | 0.98     | 0.98     | 1.03           | 1.03     | 1.04     | 1.04     | 1.04     |          |
|                  | 35°F<br>(1.7°C)    | TC            | 22526          | 22556  | 22581    | 22582    | 22612    | 23883          | 23912    | 23935    | 23940    | 23969    | 25310        | 25343    | 25372    | 25376    | 25405    | 26835          | 26865    | 26894    | 26898    | 26931    |          |
|                  |                    | S/T           | 0.47           | 0.55   | 0.63     | 0.63     | 0.71     | 0.50           | 0.58     | 0.66     | 0.66     | 0.76     | 0.53         | 0.62     | 0.70     | 0.70     | 0.80     | 0.56           | 0.66     | 0.74     | 0.74     | 0.85     |          |
|                  |                    | PI            | 0.77           | 0.77   | 0.77     | 0.77     | 0.77     | 0.82           | 0.82     | 0.82     | 0.82     | 0.82     | 0.86         | 0.87     | 0.87     | 0.87     | 0.87     | 0.92           | 0.92     | 0.92     | 0.92     | 0.92     |          |
|                  | 41°F<br>(5.0°C)    | TC            | 23768          | 23800  | 23826    | 23827    | 23859    | 25201          | 25231    | 25256    | 25261    | 25291    | 26706        | 26741    | 26771    | 26776    | 26806    | 28316          | 28346    | 28377    | 28382    | 28417    |          |
|                  |                    | S/T           | 0.47           | 0.55   | 0.63     | 0.63     | 0.71     | 0.50           | 0.58     | 0.66     | 0.66     | 0.76     | 0.53         | 0.62     | 0.70     | 0.70     | 0.80     | 0.56           | 0.66     | 0.75     | 0.75     | 0.85     |          |
|                  |                    | PI            | 1.01           | 1.01   | 1.02     | 1.02     | 1.02     | 1.07           | 1.08     | 1.08     | 1.08     | 1.08     | 1.14         | 1.14     | 1.14     | 1.14     | 1.14     | 1.21           | 1.21     | 1.21     | 1.21     | 1.21     |          |
|                  | 47°F<br>(8.3°C)    | TC            | 25011          | 25045  | 25072    | 25073    | 25107    | 26518          | 26550    | 26576    | 26581    | 26613    | 28103        | 28139    | 28170    | 28176    | 28207    | 29796          | 29828    | 29861    | 29865    | 29903    |          |
|                  |                    | S/T           | 0.47           | 0.55   | 0.63     | 0.63     | 0.72     | 0.50           | 0.59     | 0.67     | 0.67     | 0.76     | 0.53         | 0.62     | 0.71     | 0.71     | 0.80     | 0.56           | 0.66     | 0.75     | 0.75     | 0.85     |          |
|                  |                    | PI            | 1.26           | 1.26   | 1.26     | 1.26     | 1.26     | 1.33           | 1.33     | 1.34     | 1.34     | 1.34     | 1.41         | 1.41     | 1.42     | 1.42     | 1.42     | 1.50           | 1.50     | 1.50     | 1.50     | 1.50     |          |
|                  | 50°F<br>(10.0°C)   | TC            | 25223          | 25257  | 25284    | 25286    | 25320    | 26743          | 26775    | 26801    | 26807    | 26839    | 28341        | 28378    | 28410    | 28415    | 28447    | 30049          | 30081    | 30114    | 30119    | 30156    |          |
|                  |                    | S/T           | 0.47           | 0.56   | 0.63     | 0.63     | 0.72     | 0.50           | 0.59     | 0.67     | 0.67     | 0.76     | 0.53         | 0.62     | 0.71     | 0.71     | 0.81     | 0.56           | 0.66     | 0.75     | 0.75     | 0.86     |          |
|                  |                    | PI            | 1.29           | 1.30   | 1.30     | 1.30     | 1.30     | 1.37           | 1.37     | 1.38     | 1.38     | 1.38     | 1.45         | 1.46     | 1.46     | 1.46     | 1.46     | 1.54           | 1.54     | 1.55     | 1.55     | 1.55     |          |
|                  | 59°F<br>(15.0°C)   | TC            | 25860          | 25895  | 25923    | 25924    | 25959    | 27418          | 27451    | 27478    | 27483    | 27516    | 29057        | 29094    | 29127    | 29132    | 29165    | 30807          | 30841    | 30874    | 30879    | 30918    |          |
|                  |                    | S/T           | 0.48           | 0.56   | 0.63     | 0.63     | 0.72     | 0.50           | 0.59     | 0.67     | 0.67     | 0.77     | 0.53         | 0.63     | 0.71     | 0.71     | 0.81     | 0.57           | 0.67     | 0.76     | 0.76     | 0.86     |          |
|                  |                    | PI            | 1.41           | 1.41   | 1.41     | 1.41     | 1.41     | 1.49           | 1.49     | 1.50     | 1.50     | 1.50     | 1.58         | 1.58     | 1.59     | 1.59     | 1.59     | 1.68           | 1.68     | 1.68     | 1.68     | 1.68     |          |
|                  | 68°F<br>(20.0°C)   | TC            | 26497          | 26532  | 26561    | 26562    | 26598    | 28094          | 28127    | 28155    | 28160    | 28194    | 29772        | 29811    | 29844    | 29849    | 29883    | 31566          | 31600    | 31635    | 31639    | 31679    |          |
|                  |                    | S/T           | 0.49           | 0.57   | 0.65     | 0.65     | 0.74     | 0.52           | 0.61     | 0.69     | 0.69     | 0.79     | 0.55         | 0.64     | 0.73     | 0.73     | 0.83     | 0.58           | 0.68     | 0.78     | 0.78     | 0.88     |          |
|                  |                    | PI            | 1.52           | 1.52   | 1.52     | 1.52     | 1.53     | 1.61           | 1.61     | 1.62     | 1.62     | 1.62     | 1.71         | 1.71     | 1.71     | 1.71     | 1.71     | 1.81           | 1.81     | 1.82     | 1.82     | 1.82     |          |
|                  | 77°F<br>(25.0°C)   | TC            | 27133          | 27170  | 27199    | 27200    | 27237    | 28769          | 28803    | 28831    | 28837    | 28871    | 30487        | 30527    | 30561    | 30567    | 30601    | 32324          | 32360    | 32395    | 32400    | 32440    |          |
|                  |                    | S/T           | 0.50           | 0.58   | 0.66     | 0.66     | 0.75     | 0.52           | 0.62     | 0.70     | 0.70     | 0.80     | 0.56         | 0.65     | 0.74     | 0.74     | 0.85     | 0.59           | 0.69     | 0.79     | 0.79     | 0.90     |          |
|                  |                    | PI            | 1.63           | 1.64   | 1.64     | 1.64     | 1.64     | 1.73           | 1.73     | 1.74     | 1.74     | 1.74     | 1.83         | 1.84     | 1.84     | 1.84     | 1.84     | 1.95           | 1.95     | 1.95     | 1.95     | 1.95     |          |
|                  | 82°F<br>(27.8°C)   | TC            | 26670          | 26706  | 26735    | 26736    | 26772    | 28278          | 28311    | 28339    | 28345    | 28378    | 29967        | 30006    | 30039    | 30045    | 30079    | 31773          | 31807    | 31842    | 31847    | 31886    |          |
|                  |                    | S/T           | 0.50           | 0.59   | 0.67     | 0.67     | 0.76     | 0.53           | 0.62     | 0.71     | 0.71     | 0.81     | 0.56         | 0.66     | 0.75     | 0.75     | 0.86     | 0.60           | 0.70     | 0.80     | 0.80     | 0.91     |          |
|                  |                    | PI            | 1.71           | 1.71   | 1.71     | 1.71     | 1.71     | 1.81           | 1.81     | 1.81     | 1.81     | 1.82     | 1.92         | 1.92     | 1.92     | 1.92     | 1.92     | 2.03           | 2.04     | 2.04     | 2.04     | 2.04     |          |
|                  | 86°F<br>(30.0°C)   | TC            | 25269          | 25303  | 25330    | 25332    | 25366    | 26792          | 26824    | 26850    | 26856    | 26887    | 28393        | 28430    | 28461    | 28467    | 28498    | 30103          | 30136    | 30169    | 30174    | 30211    |          |
|                  |                    | S/T           | 0.51           | 0.60   | 0.68     | 0.68     | 0.77     | 0.54           | 0.63     | 0.72     | 0.72     | 0.82     | 0.57         | 0.67     | 0.76     | 0.76     | 0.87     | 0.60           | 0.71     | 0.81     | 0.81     | 0.92     |          |
| PI               |                    | 1.78          | 1.78           | 1.78   | 1.78     | 1.79     | 1.89     | 1.89           | 1.89     | 1.89     | 1.89     | 1.8      |              |          |          |          |          |                |          |          |          |          |          |

COOLING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 24 (Sheet 4 of 4)

| AIRFLOW<br>(CFM) | OUTDOOR<br>DB (°F) | ID WB<br>(°F) | 60.8°F(16.0°C) |          |          |          |          | 64.4°F(18.0°C) |          |          |          |          | 67°F(19.4°C) |          |          |          |          | 71.6°F(22.0°C) |          |          |          |          |          |
|------------------|--------------------|---------------|----------------|----------|----------|----------|----------|----------------|----------|----------|----------|----------|--------------|----------|----------|----------|----------|----------------|----------|----------|----------|----------|----------|
|                  |                    |               | ID DB          | 73.4°F   | 77.0°F   | 80.0°F   | 80.6°F   | 84.2°F         | 73.4°F   | 77.0°F   | 80.0°F   | 80.6°F   | 84.2°F       | 73.4°F   | 77.0°F   | 80.0°F   | 80.6°F   | 84.2°F         | 73.4°F   | 77.0°F   | 80.0°F   | 80.6°F   | 84.2°F   |
|                  |                    |               | (°F)           | (23.0°C) | (25.0°C) | (26.7°C) | (27.0°C) | (29.0°C)       | (23.0°C) | (25.0°C) | (26.7°C) | (27.0°C) | (29.0°C)     | (23.0°C) | (25.0°C) | (26.7°C) | (27.0°C) | (29.0°C)       | (23.0°C) | (25.0°C) | (26.7°C) | (27.0°C) | (29.0°C) |
| 765              | -22°F<br>(-30.0°C) | TC            | 16478          | 16501    | 16518    | 16519    | 16541    | 17471          | 17492    | 17509    | 17513    | 17534    | 18515        | 18539    | 18560    | 18563    | 18584    | 19631          | 19652    | 19674    | 19677    | 19701    |          |
|                  |                    | S/T           | 0.48           | 0.56     | 0.63     | 0.63     | 0.72     | 0.50           | 0.59     | 0.67     | 0.67     | 0.77     | 0.53         | 0.63     | 0.71     | 0.71     | 0.81     | 0.57           | 0.67     | 0.76     | 0.76     | 0.86     |          |
|                  |                    | PI            | 1.04           | 1.04     | 1.04     | 1.04     | 1.04     | 1.10           | 1.10     | 1.11     | 1.11     | 1.11     | 1.17         | 1.17     | 1.17     | 1.17     | 1.17     | 1.24           | 1.24     | 1.24     | 1.24     | 1.24     |          |
|                  | -13°F<br>(-25.0°C) | TC            | 23665          | 23697    | 23722    | 23724    | 23756    | 25091          | 25121    | 25146    | 25151    | 25181    | 26590        | 26625    | 26655    | 26659    | 26689    | 28192          | 28223    | 28254    | 28258    | 28293    |          |
|                  |                    | S/T           | 0.48           | 0.56     | 0.64     | 0.64     | 0.73     | 0.51           | 0.60     | 0.68     | 0.68     | 0.77     | 0.54         | 0.63     | 0.72     | 0.72     | 0.82     | 0.57           | 0.67     | 0.76     | 0.76     | 0.87     |          |
|                  |                    | PI            | 1.45           | 1.46     | 1.46     | 1.46     | 1.46     | 1.54           | 1.54     | 1.54     | 1.54     | 1.55     | 1.63         | 1.64     | 1.64     | 1.64     | 1.64     | 1.73           | 1.73     | 1.74     | 1.74     | 1.74     |          |
|                  | -4°F<br>(-20.0°C)  | TC            | 22132          | 22161    | 22185    | 22186    | 22216    | 23465          | 23493    | 23516    | 23521    | 23549    | 24867        | 24900    | 24927    | 24932    | 24960    | 26366          | 26394    | 26423    | 26427    | 26460    |          |
|                  |                    | S/T           | 0.48           | 0.57     | 0.64     | 0.64     | 0.73     | 0.51           | 0.60     | 0.68     | 0.68     | 0.78     | 0.54         | 0.64     | 0.72     | 0.72     | 0.82     | 0.57           | 0.67     | 0.77     | 0.77     | 0.87     |          |
|                  |                    | PI            | 1.38           | 1.38     | 1.38     | 1.38     | 1.38     | 1.46           | 1.46     | 1.46     | 1.46     | 1.47     | 1.55         | 1.55     | 1.55     | 1.55     | 1.55     | 1.64           | 1.64     | 1.64     | 1.64     | 1.65     |          |
|                  | 0°F<br>(-17.8°C)   | TC            | 21450          | 21479    | 21502    | 21503    | 21532    | 22743          | 22770    | 22792    | 22797    | 22824    | 24101        | 24133    | 24160    | 24164    | 24191    | 25554          | 25581    | 25609    | 25613    | 25645    |          |
|                  |                    | S/T           | 0.48           | 0.57     | 0.64     | 0.64     | 0.73     | 0.51           | 0.60     | 0.68     | 0.68     | 0.78     | 0.54         | 0.64     | 0.72     | 0.72     | 0.83     | 0.58           | 0.68     | 0.77     | 0.77     | 0.88     |          |
|                  |                    | PI            | 1.34           | 1.35     | 1.35     | 1.35     | 1.35     | 1.42           | 1.43     | 1.43     | 1.43     | 1.43     | 1.51         | 1.51     | 1.51     | 1.51     | 1.52     | 1.60           | 1.60     | 1.60     | 1.60     | 1.61     |          |
|                  | 5°F<br>(-15.0°C)   | TC            | 20598          | 20626    | 20648    | 20649    | 20677    | 21839          | 21865    | 21887    | 21891    | 21917    | 23144        | 23174    | 23200    | 23204    | 23230    | 24539          | 24565    | 24592    | 24596    | 24626    |          |
|                  |                    | S/T           | 0.49           | 0.57     | 0.65     | 0.65     | 0.74     | 0.51           | 0.60     | 0.69     | 0.69     | 0.78     | 0.55         | 0.64     | 0.73     | 0.73     | 0.83     | 0.58           | 0.68     | 0.77     | 0.77     | 0.88     |          |
|                  |                    | PI            | 1.30           | 1.30     | 1.30     | 1.30     | 1.31     | 1.38           | 1.38     | 1.38     | 1.38     | 1.38     | 1.46         | 1.46     | 1.47     | 1.47     | 1.47     | 1.55           | 1.55     | 1.55     | 1.55     | 1.56     |          |
|                  | 14°F<br>(-10.0°C)  | TC            | 24025          | 24058    | 24083    | 24085    | 24117    | 25473          | 25503    | 25528    | 25534    | 25564    | 26995        | 27030    | 27060    | 27065    | 27095    | 28621          | 28653    | 28684    | 28688    | 28724    |          |
|                  |                    | S/T           | 0.49           | 0.57     | 0.65     | 0.65     | 0.74     | 0.52           | 0.61     | 0.69     | 0.69     | 0.78     | 0.55         | 0.64     | 0.73     | 0.73     | 0.83     | 0.58           | 0.68     | 0.77     | 0.77     | 0.88     |          |
|                  |                    | PI            | 1.05           | 1.05     | 1.05     | 1.05     | 1.05     | 1.11           | 1.11     | 1.11     | 1.11     | 1.12     | 1.18         | 1.18     | 1.18     | 1.18     | 1.18     | 1.25           | 1.25     | 1.25     | 1.25     | 1.25     |          |
|                  | 17°F<br>(-8.3°C)   | TC            | 25168          | 25201    | 25229    | 25230    | 25264    | 26684          | 26716    | 26742    | 26748    | 26779    | 28279        | 28315    | 28347    | 28352    | 28384    | 29982          | 30015    | 30048    | 30052    | 30090    |          |
|                  |                    | S/T           | 0.49           | 0.57     | 0.65     | 0.65     | 0.74     | 0.52           | 0.61     | 0.69     | 0.69     | 0.79     | 0.55         | 0.64     | 0.73     | 0.73     | 0.83     | 0.58           | 0.68     | 0.78     | 0.78     | 0.88     |          |
|                  |                    | PI            | 0.96           | 0.97     | 0.97     | 0.97     | 0.97     | 1.02           | 1.02     | 1.02     | 1.02     | 1.03     | 1.08         | 1.08     | 1.09     | 1.09     | 1.09     | 1.15           | 1.15     | 1.15     | 1.15     | 1.15     |          |
|                  | 23°F<br>(-5.0°C)   | TC            | 24676          | 24709    | 24736    | 24737    | 24770    | 26163          | 26194    | 26220    | 26225    | 26256    | 27726        | 27762    | 27793    | 27798    | 27829    | 29397          | 29429    | 29461    | 29465    | 29502    |          |
|                  |                    | S/T           | 0.49           | 0.58     | 0.65     | 0.65     | 0.75     | 0.52           | 0.61     | 0.69     | 0.69     | 0.79     | 0.55         | 0.65     | 0.74     | 0.74     | 0.84     | 0.58           | 0.69     | 0.78     | 0.78     | 0.89     |          |
|                  |                    | PI            | 0.91           | 0.91     | 0.91     | 0.91     | 0.92     | 0.97           | 0.97     | 0.97     | 0.97     | 0.97     | 1.03         | 1.03     | 1.03     | 1.03     | 1.03     | 1.09           | 1.09     | 1.09     | 1.09     | 1.09     |          |
|                  | 35°F<br>(1.7°C)    | TC            | 23692          | 23724    | 23750    | 23751    | 23783    | 25120          | 25150    | 25175    | 25180    | 25210    | 26621        | 26656    | 26685    | 26690    | 26720    | 28225          | 28256    | 28286    | 28291    | 28326    |          |
|                  |                    | S/T           | 0.49           | 0.58     | 0.66     | 0.66     | 0.75     | 0.52           | 0.61     | 0.70     | 0.70     | 0.79     | 0.55         | 0.65     | 0.74     | 0.74     | 0.84     | 0.59           | 0.69     | 0.78     | 0.78     | 0.89     |          |
|                  |                    | PI            | 0.81           | 0.81     | 0.81     | 0.81     | 0.81     | 0.86           | 0.86     | 0.86     | 0.86     | 0.86     | 0.91         | 0.91     | 0.91     | 0.91     | 0.91     | 0.96           | 0.97     | 0.97     | 0.97     | 0.97     |          |
|                  | 41°F<br>(5.0°C)    | TC            | 24999          | 25033    | 25060    | 25061    | 25095    | 26506          | 26537    | 26563    | 26569    | 26600    | 28089        | 28126    | 28157    | 28162    | 28194    | 29782          | 29814    | 29847    | 29851    | 29888    |          |
|                  |                    | S/T           | 0.49           | 0.58     | 0.66     | 0.66     | 0.75     | 0.52           | 0.61     | 0.70     | 0.70     | 0.80     | 0.56         | 0.65     | 0.74     | 0.74     | 0.84     | 0.59           | 0.69     | 0.78     | 0.78     | 0.89     |          |
|                  |                    | PI            | 1.07           | 1.07     | 1.07     | 1.07     | 1.07     | 1.13           | 1.13     | 1.13     | 1.13     | 1.13     | 1.20         | 1.20     | 1.20     | 1.20     | 1.20     | 1.27           | 1.27     | 1.27     | 1.27     | 1.27     |          |
|                  | 47°F<br>(8.3°C)    | TC            | 26306          | 26341    | 26370    | 26371    | 26407    | 27891          | 27924    | 27952    | 27958    | 27991    | 29558        | 29596    | 29629    | 29635    | 29668    | 31339          | 31373    | 31407    | 31412    | 31451    |          |
|                  |                    | S/T           | 0.50           | 0.58     | 0.66     | 0.66     | 0.75     | 0.53           | 0.62     | 0.70     | 0.70     | 0.80     | 0.56         | 0.65     | 0.74     | 0.74     | 0.85     | 0.59           | 0.69     | 0.79     | 0.79     | 0.90     |          |
|                  |                    | PI            | 1.32           | 1.32     | 1.33     | 1.33     | 1.33     | 1.40           | 1.40     | 1.41     | 1.41     | 1.41     | 1.49         | 1.49     | 1.49     | 1.49     | 1.49     | 1.58           | 1.58     | 1.58     | 1.58     | 1.58     |          |
|                  | 50°F<br>(10.0°C)   | TC            | 26529          | 26565    | 26594    | 26595    | 26631    | 28128          | 28161    | 28189    | 28195    | 28228    | 29809        | 29847    | 29881    | 29886    | 29919    | 31605          | 31639    | 31673    | 31678    | 31718    |          |
|                  |                    | S/T           | 0.50           | 0.58     | 0.66     | 0.66     | 0.76     | 0.53           | 0.62     | 0.70     | 0.70     | 0.80     | 0.56         | 0.66     | 0.75     | 0.75     | 0.85     | 0.59           | 0.70     | 0.79     | 0.79     | 0.90     |          |
|                  |                    | PI            | 1.36           | 1.36     | 1.37     | 1.37     | 1.37     | 1.44           | 1.45     | 1.45     | 1.45     | 1.45     | 1.53         | 1.53     | 1.53     | 1.53     | 1.54     | 1.62           | 1.62     | 1.63     | 1.63     | 1.63     |          |
|                  | 59°F<br>(15.0°C)   | TC            | 27199          | 27236    | 27265    | 27266    | 27303    | 28838          | 28872    | 28901    | 28907    | 28941    | 30561        | 30601    | 30635    | 30641    | 30675    | 32402          | 32438    | 32473    | 32478    | 32518    |          |
|                  |                    | S/T           | 0.50           | 0.59     | 0.67     | 0.67     | 0.76     | 0.53           | 0.62     | 0.71     | 0.71     | 0.81     | 0.56         | 0.66     | 0.75     | 0.75     | 0.86     | 0.60           | 0.70     | 0.80     | 0.80     | 0.91     |          |
|                  |                    | PI            | 1.48           | 1.48     | 1.48     | 1.48     | 1.49     | 1.57           | 1.57     | 1.57     | 1.57     | 1.58     | 1.66         | 1.67     | 1.67     | 1.67     | 1.67     | 1.76           | 1.77     | 1.77     | 1.77     | 1.77     |          |
|                  | 68°F<br>(20.0°C)   | TC            | 27869          | 27906    | 27936    | 27938    | 27975    | 29548          | 29583    | 29612    | 29618    | 29653    | 31314        | 31354    | 31389    | 31395    | 31430    | 33200          | 33236    | 33273    | 33278    | 33319    |          |
|                  |                    | S/T           | 0.51           | 0.60     | 0.69     | 0.69     | 0.78     | 0.54           | 0.64     | 0.73     | 0.73     | 0.83     | 0.58         | 0.68     | 0.77     | 0.77     | 0.88     | 0.61           | 0.72     | 0.82     | 0.82     | 0.93     |          |
|                  |                    | PI            | 1.60           | 1.60     | 1.60     | 1.60     | 1.61     | 1.70           | 1.70     | 1.70     | 1.70     | 1.70     | 1.80         | 1.80     | 1.80     | 1.80     | 1.80     | 1.90           | 1.91     | 1.91     | 1.91     | 1.91     |          |
|                  | 77°F<br>(25.0°C)   | TC            | 28538          | 28577    | 28608    | 28609    | 28647    | 30258          | 30294    | 30324    | 30330    | 30366    | 32066        | 32108    | 32144    | 32150    | 32185    | 33998          | 34035    | 34072    | 34077    | 34120    |          |
|                  |                    | S/T           | 0.52           | 0.61     | 0.69     | 0.69     | 0.79     | 0.55           | 0.65     | 0.74     | 0.74     | 0.84     | 0.59         | 0.69     | 0.78     | 0.78     | 0.89     | 0.62           | 0.73     | 0.83     | 0.83     | 0.94     |          |
|                  |                    | PI            | 1.72           | 1.72     | 1.72     | 1.72     | 1.72     | 1.82           | 1.82     | 1.83     | 1.83     | 1.83     | 1.93         | 1.93     | 1.93     | 1.93     | 1.94     | 2.05           | 2.05     | 2.05     | 2.05     | 2.05     |          |
|                  | 82°F<br>(27.8°C)   | TC            | 28051          | 28089    | 28119    | 28121    | 28159    | 29742          | 29777    | 29807    | 29812    | 29848    | 31519        | 31560    | 31595    | 31601    | 31636    | 33418          | 33454    | 33491    | 33496    | 33538    |          |
|                  |                    | S/T           | 0.53           | 0.62     | 0.70     | 0.70     | 0.80     | 0.56           | 0.66     | 0.75     | 0.75     | 0.85     | 0.59         | 0.70     | 0.79     | 0.79     | 0.90     | 0.63           | 0.74     | 0.84     | 0.84     | 0.95     |          |
|                  |                    | PI            | 1.79           | 1.80     | 1.80     | 1.80     | 1.80     | 1.90           | 1.91     | 1.91     | 1.91     | 1.91     | 2.02         | 2.02     | 2.02     | 2.02     | 2.02     | 2.14           | 2.14     | 2.14     | 2.14     | 2.15     |          |
|                  | 86°F<br>(30.0°C)   | TC            | 26578          | 26613    | 26642    | 26643    | 26679    | 28179          | 28213    | 28241    | 28246    | 28280    | 29863        | 29902    | 29935    | 29941    | 29974    | 31662          | 31697    | 31731    | 31736    | 31775    |          |
|                  |                    | S/T           | 0.53           | 0.63     | 0.71     | 0.71     | 0.81     | 0.57           | 0.66     | 0.75     | 0.75     | 0.86     | 0.60         | 0.70     | 0.80     | 0.80     | 0.91     | 0.64           | 0.75     | 0.85     | 0.85     | 0.97     |          |
|                  |                    | PI            | 1.87           | 1.87     | 1.88     | 1.88     | 1.88     | 1.98           | 1.99     | 1.99     | 1.99     | 1.99     | 2.10         | 2.10     | 2.11     | 2.11     | 2.11     | 2.23           | 2.23     | 2.23     | 2.23     | 2.24     |          |
|                  | 95°F<br>(35.0°C)   | TC            | 23262          | 23293    | 23318    | 23319    | 23350    | 24663          |          |          |          |          |              |          |          |          |          |                |          |          |          |          |          |

**Table 22 — Four-Way Cassette Heating Performance (24K)**

HEATING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 24 (Sheet 1 of 2)

| AIRFLOW<br>(CFM) | OUTDOOR<br>DB(°F) | TC: Total Heating Capacity (BTU/hr) |                  |                  |                    |                    | PI: Power Input (kW)      |                  |                  |                    |                    |
|------------------|-------------------|-------------------------------------|------------------|------------------|--------------------|--------------------|---------------------------|------------------|------------------|--------------------|--------------------|
|                  |                   | Indoor Conditions (DB °F)           |                  |                  |                    |                    | Indoor Conditions (DB °F) |                  |                  |                    |                    |
|                  |                   | 60.8°F<br>(16.0°C)                  | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) | 60.8°F<br>(16.0°C)        | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) |
| 547              | -22°F(-30.0°C)    | 8051                                | 7890             | 7851             | 7731               | 7661               | 2.31                      | 2.32             | 2.33             | 2.33               | 2.34               |
|                  | -13°F(-25.0°C)    | 11106                               | 10884            | 10829            | 10253              | 10161              | 2.38                      | 2.40             | 2.40             | 2.41               | 2.42               |
|                  | -4°F(-20.0°C)     | 15248                               | 14943            | 14869            | 14078              | 13951              | 2.63                      | 2.65             | 2.66             | 2.66               | 2.68               |
|                  | 0°F(-17.8°C)      | 17795                               | 17439            | 17352            | 16429              | 16281              | 2.80                      | 2.82             | 2.83             | 2.83               | 2.84               |
|                  | 5°F(-15.0°C)      | 20977                               | 20558            | 20455            | 19367              | 19193              | 3.00                      | 3.03             | 3.04             | 3.04               | 3.05               |
|                  | 14°F(-10.0°C)     | 21044                               | 20623            | 20520            | 19428              | 19254              | 2.79                      | 2.81             | 2.81             | 2.82               | 2.83               |
|                  | 17°F(-8.3°C)      | 21066                               | 20644            | 20541            | 19449              | 19274              | 2.71                      | 2.74             | 2.74             | 2.75               | 2.76               |
|                  | 22°F(-5.6°C)      | 21813                               | 21377            | 21270            | 20139              | 19958              | 2.75                      | 2.78             | 2.78             | 2.79               | 2.80               |
|                  | 27°F(-2.8°C)      | 22561                               | 22110            | 21999            | 20830              | 20642              | 2.80                      | 2.82             | 2.82             | 2.83               | 2.84               |
|                  | 32°F(0.0°C)       | 23309                               | 22843            | 22729            | 21520              | 21326              | 2.84                      | 2.86             | 2.87             | 2.87               | 2.88               |
|                  | 35°F(1.7°C)       | 23758                               | 23282            | 23166            | 21934              | 21737              | 2.86                      | 2.89             | 2.89             | 2.90               | 2.91               |
|                  | 37°F(2.8°C)       | 24308                               | 23822            | 23703            | 22442              | 22240              | 2.78                      | 2.81             | 2.81             | 2.82               | 2.83               |
|                  | 42°F(5.6°C)       | 25684                               | 25170            | 25044            | 23712              | 23499              | 2.59                      | 2.61             | 2.61             | 2.62               | 2.63               |
|                  | 44.6°F(7.0°C)     | 26234                               | 25709            | 25581            | 24220              | 24002              | 2.51                      | 2.53             | 2.54             | 2.54               | 2.55               |
|                  | 47°F(8.3°C)       | 27059                               | 26518            | 26385            | 24982              | 24757              | 2.39                      | 2.41             | 2.42             | 2.42               | 2.43               |
|                  | 52°F(11.1°C)      | 26730                               | 26196            | 26065            | 24679              | 24457              | 2.15                      | 2.17             | 2.17             | 2.17               | 2.18               |
|                  | 57°F(13.9°C)      | 26402                               | 25874            | 25744            | 24375              | 24156              | 1.90                      | 1.92             | 1.92             | 1.93               | 1.93               |
|                  | 59°F(15.0°C)      | 26270                               | 25745            | 25616            | 24254              | 24036              | 1.81                      | 1.82             | 1.82             | 1.83               | 1.84               |
| 635              | 62°F(16.7°C)      | 26073                               | 25552            | 25424            | 24072              | 23855              | 1.66                      | 1.67             | 1.68             | 1.68               | 1.69               |
|                  | 64.4°F(18.0°C)    | 25941                               | 25423            | 25296            | 23950              | 23735              | 1.56                      | 1.57             | 1.58             | 1.58               | 1.59               |
|                  | -22°F(-30.0°C)    | 8636                                | 8463             | 8421             | 8339               | 8264               | 2.33                      | 2.35             | 2.35             | 2.36               | 2.37               |
|                  | -13°F(-25.0°C)    | 11681                               | 11447            | 11390            | 11061              | 10961              | 2.40                      | 2.42             | 2.43             | 2.43               | 2.44               |
|                  | -4°F(-20.0°C)     | 16038                               | 15717            | 15639            | 15187              | 15050              | 2.66                      | 2.68             | 2.69             | 2.69               | 2.70               |
|                  | 0°F(-17.8°C)      | 18716                               | 18342            | 18250            | 17723              | 17563              | 2.83                      | 2.85             | 2.85             | 2.86               | 2.87               |
|                  | 5°F(-15.0°C)      | 22064                               | 21622            | 21514            | 20893              | 20705              | 3.04                      | 3.06             | 3.07             | 3.07               | 3.08               |
|                  | 14°F(-10.0°C)     | 22133                               | 21691            | 21582            | 20958              | 20770              | 2.81                      | 2.84             | 2.84             | 2.85               | 2.86               |
|                  | 17°F(-8.3°C)      | 22156                               | 21713            | 21605            | 20980              | 20791              | 2.74                      | 2.76             | 2.77             | 2.77               | 2.78               |
|                  | 22°F(-5.6°C)      | 22943                               | 22484            | 22372            | 21725              | 21530              | 2.78                      | 2.81             | 2.81             | 2.82               | 2.83               |
|                  | 27°F(-2.8°C)      | 23729                               | 23255            | 23139            | 22470              | 22268              | 2.82                      | 2.85             | 2.85             | 2.86               | 2.87               |
|                  | 32°F(0.0°C)       | 24516                               | 24026            | 23905            | 23215              | 23006              | 2.87                      | 2.89             | 2.90             | 2.90               | 2.91               |
|                  | 35°F(1.7°C)       | 24988                               | 24488            | 24366            | 23661              | 23448              | 2.89                      | 2.92             | 2.92             | 2.93               | 2.94               |
|                  | 37°F(2.8°C)       | 25567                               | 25055            | 24930            | 24209              | 23992              | 2.81                      | 2.84             | 2.84             | 2.85               | 2.86               |
|                  | 42°F(5.6°C)       | 27013                               | 26473            | 26341            | 25580              | 25349              | 2.61                      | 2.64             | 2.64             | 2.65               | 2.66               |
|                  | 44.6°F(7.0°C)     | 27592                               | 27040            | 26905            | 26128              | 25892              | 2.54                      | 2.56             | 2.56             | 2.57               | 2.58               |
|                  | 47°F(8.3°C)       | 28460                               | 27891            | 27752            | 26950              | 26707              | 2.42                      | 2.44             | 2.44             | 2.45               | 2.46               |
|                  | 52°F(11.1°C)      | 28115                               | 27552            | 27414            | 26622              | 26383              | 2.17                      | 2.19             | 2.19             | 2.20               | 2.20               |
| 706              | 57°F(13.9°C)      | 27769                               | 27213            | 27077            | 26295              | 26058              | 1.92                      | 1.94             | 1.94             | 1.95               | 1.95               |
|                  | 59°F(15.0°C)      | 27630                               | 27078            | 26942            | 26164              | 25928              | 1.82                      | 1.84             | 1.84             | 1.85               | 1.85               |
|                  | 62°F(16.7°C)      | 27423                               | 26875            | 26740            | 25967              | 25734              | 1.68                      | 1.69             | 1.69             | 1.70               | 1.70               |
|                  | 64.4°F(18.0°C)    | 27285                               | 26739            | 26605            | 25836              | 25604              | 1.58                      | 1.59             | 1.59             | 1.60               | 1.60               |
|                  | -22°F(-30.0°C)    | 9263                                | 9078             | 9032             | 8996               | 8915               | 2.35                      | 2.37             | 2.38             | 2.38               | 2.39               |
|                  | -13°F(-25.0°C)    | 12286                               | 12040            | 11980            | 11932              | 11824              | 2.43                      | 2.45             | 2.45             | 2.46               | 2.47               |
|                  | -4°F(-20.0°C)     | 16868                               | 16531            | 16448            | 16383              | 16235              | 2.69                      | 2.71             | 2.71             | 2.72               | 2.73               |
|                  | 0°F(-17.8°C)      | 19685                               | 19291            | 19195            | 19118              | 18946              | 2.85                      | 2.88             | 2.88             | 2.89               | 2.90               |
|                  | 5°F(-15.0°C)      | 23206                               | 22742            | 22628            | 22538              | 22335              | 3.07                      | 3.09             | 3.10             | 3.10               | 3.12               |
|                  | 14°F(-10.0°C)     | 23279                               | 22814            | 22700            | 22609              | 22405              | 2.84                      | 2.87             | 2.87             | 2.88               | 2.89               |
|                  | 17°F(-8.3°C)      | 23304                               | 22838            | 22723            | 22632              | 22429              | 2.77                      | 2.79             | 2.80             | 2.80               | 2.81               |
|                  | 22°F(-5.6°C)      | 24131                               | 23648            | 23530            | 23436              | 23225              | 2.81                      | 2.83             | 2.84             | 2.84               | 2.86               |
|                  | 27°F(-2.8°C)      | 24958                               | 24459            | 24337            | 24239              | 24021              | 2.85                      | 2.88             | 2.88             | 2.89               | 2.90               |
|                  | 32°F(0.0°C)       | 25785                               | 25270            | 25143            | 25043              | 24817              | 2.90                      | 2.92             | 2.93             | 2.93               | 2.94               |
|                  | 35°F(1.7°C)       | 26282                               | 25756            | 25627            | 25525              | 25295              | 2.92                      | 2.95             | 2.95             | 2.96               | 2.97               |
|                  | 37°F(2.8°C)       | 26890                               | 26353            | 26221            | 26116              | 25881              | 2.84                      | 2.86             | 2.87             | 2.88               | 2.89               |
|                  | 42°F(5.6°C)       | 28412                               | 27844            | 27705            | 27594              | 27346              | 2.64                      | 2.66             | 2.67             | 2.67               | 2.68               |
|                  | 44.6°F(7.0°C)     | 29021                               | 28440            | 28298            | 28185              | 27931              | 2.56                      | 2.58             | 2.59             | 2.59               | 2.60               |
|                  | 47°F(8.3°C)       | 29934                               | 29335            | 29189            | 29072              | 28810              | 2.44                      | 2.46             | 2.47             | 2.47               | 2.48               |
| 706              | 52°F(11.1°C)      | 29570                               | 28979            | 28834            | 28719              | 28460              | 2.19                      | 2.21             | 2.21             | 2.22               | 2.23               |
|                  | 57°F(13.9°C)      | 29207                               | 28623            | 28479            | 28365              | 28110              | 1.94                      | 1.96             | 1.96             | 1.97               | 1.97               |
|                  | 59°F(15.0°C)      | 29061                               | 28480            | 28338            | 28224              | 27970              | 1.84                      | 1.86             | 1.86             | 1.87               | 1.87               |
|                  | 62°F(16.7°C)      | 28843                               | 28266            | 28125            | 28012              | 27760              | 1.69                      | 1.71             | 1.71             | 1.71               | 1.72               |
|                  | 64.4°F(18.0°C)    | 28698                               | 28124            | 27983            | 27871              | 27620              | 1.59                      | 1.61             | 1.61             | 1.61               | 1.62               |

## HEATING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 24 (Sheet 2 of 2)

| AIRFLOW<br>(CFM) | OUTDOOR<br>DB(°F) | TC: Total Heating Capacity (BTU/hr) |                  |                  |                    |                    | PI: Power Input (kW)      |                  |                  |                    |                    |
|------------------|-------------------|-------------------------------------|------------------|------------------|--------------------|--------------------|---------------------------|------------------|------------------|--------------------|--------------------|
|                  |                   | Indoor Conditions (DB °F)           |                  |                  |                    |                    | Indoor Conditions (DB °F) |                  |                  |                    |                    |
|                  |                   | 60.8°F<br>(16.0°C)                  | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) | 60.8°F<br>(16.0°C)        | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) |
| 765              | -22°F(-30.0°C)    | 9743                                | 9548             | 9500             | 9462               | 9377               | 2.38                      | 2.40             | 2.40             | 2.41               | 2.41               |
|                  | -13°F(-25.0°C)    | 12922                               | 12663            | 12600            | 12550              | 12437              | 2.45                      | 2.47             | 2.48             | 2.48               | 2.49               |
|                  | -4°F(-20.0°C)     | 17742                               | 17387            | 17300            | 17231              | 17076              | 2.71                      | 2.74             | 2.74             | 2.75               | 2.76               |
|                  | 0°F(-17.8°C)      | 20704                               | 20290            | 20189            | 20108              | 19927              | 2.88                      | 2.91             | 2.91             | 2.92               | 2.93               |
|                  | 5°F(-15.0°C)      | 24408                               | 23920            | 23800            | 23705              | 23491              | 3.10                      | 3.12             | 3.13             | 3.13               | 3.15               |
|                  | 14°F(-10.0°C)     | 24485                               | 23995            | 23875            | 23780              | 23565              | 2.87                      | 2.89             | 2.90             | 2.91               | 2.92               |
|                  | 17°F(-8.3°C)      | 24510                               | 24020            | 23900            | 23804              | 23590              | 2.80                      | 2.82             | 2.82             | 2.83               | 2.84               |
|                  | 22°F(-5.6°C)      | 25380                               | 24873            | 24748            | 24649              | 24428              | 2.84                      | 2.86             | 2.87             | 2.87               | 2.89               |
|                  | 27°F(-2.8°C)      | 26250                               | 25725            | 25597            | 25494              | 25265              | 2.88                      | 2.91             | 2.91             | 2.92               | 2.93               |
|                  | 32°F(-0.0°C)      | 27120                               | 26578            | 26445            | 26339              | 26102              | 2.93                      | 2.95             | 2.95             | 2.96               | 2.97               |
|                  | 35°F(1.7°C)       | 27642                               | 27090            | 26954            | 26846              | 26605              | 2.95                      | 2.98             | 2.98             | 2.99               | 3.00               |
|                  | 37°F(2.8°C)       | 28283                               | 27717            | 27578            | 27468              | 27221              | 2.87                      | 2.89             | 2.90             | 2.91               | 2.92               |
|                  | 42°F(5.6°C)       | 29883                               | 29286            | 29139            | 29023              | 28761              | 2.67                      | 2.69             | 2.69             | 2.70               | 2.71               |
|                  | 44.6°F(7.0°C)     | 30524                               | 29913            | 29764            | 29644              | 29378              | 2.59                      | 2.61             | 2.61             | 2.62               | 2.63               |
|                  | 47°F(8.3°C)       | 31484                               | 30854            | 30700            | 30577              | 30302              | 2.47                      | 2.49             | 2.49             | 2.49               | 2.51               |
|                  | 52°F(11.1°C)      | 31101                               | 30479            | 30327            | 30206              | 29934              | 2.21                      | 2.23             | 2.24             | 2.24               | 2.25               |
|                  | 57°F(13.9°C)      | 30719                               | 30105            | 29954            | 29834              | 29566              | 1.96                      | 1.98             | 1.98             | 1.99               | 1.99               |
|                  | 59°F(15.0°C)      | 30566                               | 29955            | 29805            | 29686              | 29418              | 1.86                      | 1.88             | 1.88             | 1.88               | 1.89               |
|                  | 62°F(16.7°C)      | 30336                               | 29730            | 29581            | 29463              | 29198              | 1.71                      | 1.72             | 1.73             | 1.73               | 1.74               |
|                  | 64.4°F(18.0°C)    | 30183                               | 29580            | 29432            | 29314              | 29050              | 1.61                      | 1.62             | 1.63             | 1.63               | 1.64               |

NOTE: Values in grey are extrapolated based on tested performance.

HEATING AND COOLING PERFORMANCE  
CONSOLE (D5FSFA)

Table 23 — Console Cooling Performance (9K)

| COOLING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 9 (Sheet 1 of 4) |                    |                        |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |
|--------------------------------------------------------------------------|--------------------|------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| AIRFLOW<br>(CFM)                                                         | OUTDOOR<br>DB (°F) | ID WB(°F)<br>ID DB(°F) | 60.8°F(16.0°C)     |                    |                    |                    |                    | 64.4°F(18.0°C)     |                    |                    |                    |                    | 67°F(19.4°C)       |                    |                    |                    |                    | 71.6°F(22.0°C)     |                    |                    |                    |                    |
|                                                                          |                    |                        | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) |
| 188                                                                      | -22°F<br>(-30.0°C) | TC                     | 5691               | 5698               | 5705               | 5705               | 5713               | 6034               | 6041               | 6047               | 6048               | 6055               | 6394               | 6403               | 6410               | 6411               | 6418               | 6780               | 6787               | 6794               | 6795               | 6804               |
|                                                                          |                    | S/T                    | 0.32               | 0.38               | 0.43               | 0.43               | 0.49               | 0.34               | 0.40               | 0.46               | 0.46               | 0.52               | 0.36               | 0.43               | 0.48               | 0.48               | 0.55               | 0.38               | 0.45               | 0.51               | 0.51               | 0.59               |
|                                                                          |                    | PI                     | 0.23               | 0.23               | 0.23               | 0.23               | 0.23               | 0.25               | 0.25               | 0.25               | 0.25               | 0.25               | 0.26               | 0.26               | 0.26               | 0.26               | 0.26               | 0.28               | 0.28               | 0.28               | 0.28               | 0.28               |
|                                                                          | -13°F<br>(-25.0°C) | TC                     | 6165               | 6173               | 6180               | 6180               | 6189               | 6537               | 6544               | 6551               | 6552               | 6560               | 6927               | 6936               | 6944               | 6945               | 6953               | 7345               | 7353               | 7361               | 7362               | 7371               |
|                                                                          |                    | S/T                    | 0.33               | 0.38               | 0.43               | 0.43               | 0.49               | 0.34               | 0.40               | 0.46               | 0.46               | 0.52               | 0.37               | 0.43               | 0.49               | 0.49               | 0.56               | 0.39               | 0.45               | 0.52               | 0.52               | 0.59               |
|                                                                          |                    | PI                     | 0.25               | 0.25               | 0.25               | 0.25               | 0.25               | 0.25               | 0.27               | 0.27               | 0.27               | 0.27               | 0.28               | 0.28               | 0.28               | 0.28               | 0.28               | 0.30               | 0.30               | 0.30               | 0.30               | 0.30               |
|                                                                          | -4°F<br>(-20.0°C)  | TC                     | 6639               | 6648               | 6655               | 6656               | 6665               | 7039               | 7048               | 7055               | 7056               | 7065               | 7460               | 7470               | 7478               | 7479               | 7488               | 7909               | 7918               | 7927               | 7928               | 7938               |
|                                                                          |                    | S/T                    | 0.33               | 0.38               | 0.44               | 0.44               | 0.50               | 0.35               | 0.41               | 0.46               | 0.46               | 0.53               | 0.37               | 0.43               | 0.49               | 0.49               | 0.56               | 0.39               | 0.46               | 0.52               | 0.52               | 0.59               |
|                                                                          |                    | PI                     | 0.27               | 0.27               | 0.27               | 0.27               | 0.27               | 0.29               | 0.29               | 0.29               | 0.29               | 0.29               | 0.30               | 0.30               | 0.31               | 0.31               | 0.31               | 0.32               | 0.32               | 0.32               | 0.32               | 0.32               |
|                                                                          | 0°F<br>(-17.8°C)   | TC                     | 6850               | 6859               | 6867               | 6867               | 6876               | 7263               | 7272               | 7279               | 7280               | 7289               | 7697               | 7707               | 7715               | 7717               | 7725               | 8161               | 8169               | 8178               | 8180               | 8190               |
|                                                                          |                    | S/T                    | 0.33               | 0.39               | 0.44               | 0.44               | 0.50               | 0.35               | 0.41               | 0.46               | 0.46               | 0.53               | 0.37               | 0.43               | 0.49               | 0.49               | 0.56               | 0.39               | 0.46               | 0.52               | 0.52               | 0.59               |
|                                                                          |                    | PI                     | 0.28               | 0.28               | 0.28               | 0.28               | 0.28               | 0.30               | 0.30               | 0.30               | 0.30               | 0.30               | 0.31               | 0.31               | 0.31               | 0.31               | 0.32               | 0.33               | 0.33               | 0.33               | 0.33               | 0.33               |
|                                                                          | 5°F<br>(-15.0°C)   | TC                     | 7114               | 7123               | 7131               | 7131               | 7141               | 7542               | 7551               | 7559               | 7560               | 7569               | 7993               | 8003               | 8012               | 8014               | 8023               | 8474               | 8484               | 8493               | 8494               | 8505               |
|                                                                          |                    | S/T                    | 0.33               | 0.39               | 0.44               | 0.44               | 0.50               | 0.35               | 0.41               | 0.47               | 0.47               | 0.53               | 0.37               | 0.43               | 0.49               | 0.49               | 0.56               | 0.39               | 0.46               | 0.52               | 0.52               | 0.60               |
|                                                                          |                    | PI                     | 0.29               | 0.29               | 0.29               | 0.29               | 0.29               | 0.31               | 0.31               | 0.31               | 0.31               | 0.31               | 0.33               | 0.33               | 0.33               | 0.33               | 0.33               | 0.35               | 0.35               | 0.35               | 0.35               | 0.35               |
|                                                                          | 14°F<br>(-10.0°C)  | TC                     | 7077               | 7086               | 7094               | 7094               | 7104               | 7503               | 7512               | 7520               | 7521               | 7530               | 7952               | 7962               | 7971               | 7972               | 7981               | 8431               | 8440               | 8449               | 8450               | 8461               |
|                                                                          |                    | S/T                    | 0.33               | 0.39               | 0.44               | 0.44               | 0.50               | 0.35               | 0.41               | 0.47               | 0.47               | 0.53               | 0.37               | 0.44               | 0.50               | 0.50               | 0.56               | 0.39               | 0.46               | 0.52               | 0.52               | 0.60               |
|                                                                          |                    | PI                     | 0.29               | 0.29               | 0.29               | 0.29               | 0.29               | 0.31               | 0.31               | 0.31               | 0.31               | 0.31               | 0.32               | 0.32               | 0.33               | 0.33               | 0.33               | 0.34               | 0.34               | 0.34               | 0.34               | 0.35               |
|                                                                          | 17°F<br>(-8.3°C)   | TC                     | 7064               | 7074               | 7082               | 7082               | 7091               | 7490               | 7499               | 7507               | 7508               | 7517               | 7938               | 7948               | 7957               | 7958               | 7967               | 8416               | 8425               | 8434               | 8436               | 8446               |
|                                                                          |                    | S/T                    | 0.33               | 0.39               | 0.44               | 0.44               | 0.50               | 0.35               | 0.41               | 0.47               | 0.47               | 0.53               | 0.37               | 0.44               | 0.50               | 0.50               | 0.57               | 0.39               | 0.46               | 0.53               | 0.53               | 0.60               |
|                                                                          |                    | PI                     | 0.29               | 0.29               | 0.29               | 0.29               | 0.29               | 0.31               | 0.31               | 0.31               | 0.31               | 0.31               | 0.32               | 0.32               | 0.32               | 0.32               | 0.33               | 0.34               | 0.34               | 0.34               | 0.34               | 0.34               |
|                                                                          | 23°F<br>(-5.0°C)   | TC                     | 7039               | 7049               | 7056               | 7057               | 7066               | 7463               | 7472               | 7480               | 7481               | 7490               | 7909               | 7920               | 7928               | 7930               | 7939               | 8386               | 8395               | 8404               | 8405               | 8416               |
|                                                                          |                    | S/T                    | 0.33               | 0.39               | 0.44               | 0.44               | 0.51               | 0.35               | 0.41               | 0.47               | 0.47               | 0.54               | 0.37               | 0.44               | 0.50               | 0.50               | 0.57               | 0.40               | 0.47               | 0.53               | 0.53               | 0.60               |
|                                                                          |                    | PI                     | 0.30               | 0.30               | 0.30               | 0.30               | 0.30               | 0.32               | 0.32               | 0.32               | 0.32               | 0.32               | 0.33               | 0.33               | 0.33               | 0.33               | 0.34               | 0.35               | 0.35               | 0.35               | 0.35               | 0.36               |
|                                                                          | 35°F<br>(1.7°C)    | TC                     | 6989               | 6998               | 7005               | 7006               | 7015               | 7410               | 7418               | 7426               | 7427               | 7436               | 7852               | 7863               | 7871               | 7873               | 7882               | 8326               | 8335               | 8344               | 8345               | 8355               |
|                                                                          |                    | S/T                    | 0.33               | 0.39               | 0.45               | 0.45               | 0.51               | 0.35               | 0.42               | 0.47               | 0.47               | 0.54               | 0.38               | 0.44               | 0.50               | 0.50               | 0.57               | 0.40               | 0.47               | 0.53               | 0.53               | 0.61               |
|                                                                          |                    | PI                     | 0.31               | 0.32               | 0.32               | 0.32               | 0.32               | 0.33               | 0.33               | 0.33               | 0.33               | 0.33               | 0.35               | 0.35               | 0.35               | 0.35               | 0.35               | 0.37               | 0.38               | 0.38               | 0.38               | 0.38               |
|                                                                          | 41°F<br>(5.0°C)    | TC                     | 6981               | 6990               | 6998               | 6998               | 7007               | 7401               | 7410               | 7417               | 7419               | 7428               | 7843               | 7854               | 7862               | 7864               | 7873               | 8316               | 8325               | 8334               | 8335               | 8346               |
|                                                                          |                    | S/T                    | 0.34               | 0.39               | 0.45               | 0.45               | 0.51               | 0.36               | 0.42               | 0.47               | 0.47               | 0.54               | 0.38               | 0.44               | 0.50               | 0.50               | 0.57               | 0.40               | 0.47               | 0.53               | 0.53               | 0.61               |
|                                                                          |                    | PI                     | 0.32               | 0.32               | 0.32               | 0.32               | 0.32               | 0.34               | 0.34               | 0.34               | 0.34               | 0.34               | 0.36               | 0.36               | 0.36               | 0.36               | 0.36               | 0.38               | 0.38               | 0.38               | 0.38               | 0.38               |
|                                                                          | 47°F<br>(8.3°C)    | TC                     | 6973               | 6982               | 6990               | 6990               | 6999               | 7393               | 7402               | 7409               | 7410               | 7419               | 7835               | 7845               | 7854               | 7855               | 7864               | 8307               | 8316               | 8325               | 8326               | 8336               |
|                                                                          |                    | S/T                    | 0.34               | 0.39               | 0.45               | 0.45               | 0.51               | 0.36               | 0.42               | 0.48               | 0.48               | 0.54               | 0.38               | 0.44               | 0.50               | 0.50               | 0.57               | 0.40               | 0.47               | 0.53               | 0.53               | 0.61               |
|                                                                          |                    | PI                     | 0.32               | 0.32               | 0.32               | 0.32               | 0.33               | 0.34               | 0.34               | 0.34               | 0.34               | 0.34               | 0.36               | 0.36               | 0.36               | 0.36               | 0.37               | 0.39               | 0.39               | 0.39               | 0.39               | 0.39               |
|                                                                          | 50°F<br>(10.0°C)   | TC                     | 7128               | 7137               | 7145               | 7145               | 7155               | 7557               | 7566               | 7574               | 7575               | 7584               | 8009               | 8019               | 8028               | 8030               | 8039               | 8491               | 8501               | 8510               | 8511               | 8522               |
|                                                                          |                    | S/T                    | 0.34               | 0.40               | 0.45               | 0.45               | 0.51               | 0.36               | 0.42               | 0.48               | 0.48               | 0.54               | 0.38               | 0.45               | 0.51               | 0.51               | 0.58               | 0.40               | 0.47               | 0.54               | 0.54               | 0.61               |
|                                                                          |                    | PI                     | 0.33               | 0.33               | 0.33               | 0.33               | 0.33               | 0.35               | 0.35               | 0.35               | 0.35               | 0.35               | 0.37               | 0.37               | 0.37               | 0.37               | 0.37               | 0.39               | 0.39               | 0.39               | 0.39               | 0.39               |
|                                                                          | 59°F<br>(15.0°C)   | TC                     | 7593               | 7603               | 7611               | 7611               | 7622               | 8050               | 8060               | 8068               | 8069               | 8079               | 8531               | 8542               | 8552               | 8553               | 8563               | 9045               | 9055               | 9065               | 9066               | 9078               |
|                                                                          |                    | S/T                    | 0.34               | 0.40               | 0.45               | 0.45               | 0.52               | 0.36               | 0.42               | 0.48               | 0.48               | 0.55               | 0.38               | 0.45               | 0.51               | 0.51               | 0.58               | 0.40               | 0.48               | 0.54               | 0.54               | 0.62               |
|                                                                          |                    | PI                     | 0.34               | 0.34               | 0.34               | 0.34               | 0.34               | 0.36               | 0.36               | 0.36               | 0.36               | 0.36               | 0.38               | 0.38               | 0.38               | 0.38               | 0.38               | 0.40               | 0.41               | 0.41               | 0.41               | 0.41               |
|                                                                          | 68°F<br>(20.0°C)   | TC                     | 8058               | 8069               | 8077               | 8078               | 8089               | 8543               | 8554               | 8562               | 8564               | 8574               | 9054               | 9066               | 9076               | 9077               | 9087               | 9599               | 9610               | 9620               | 9622               | 9634               |
|                                                                          |                    | S/T                    | 0.35               | 0.41               | 0.47               | 0.47               | 0.53               | 0.37               | 0.43               | 0.49               | 0.49               | 0.56               | 0.39               | 0.46               | 0.52               | 0.52               | 0.60               | 0.42               | 0.49               | 0.55               | 0.55               | 0.63               |
|                                                                          |                    | PI                     | 0.35               | 0.35               | 0.35               | 0.35               | 0.35               | 0.37               | 0.37               | 0.37               | 0.37               | 0.37               | 0.40               | 0.40               | 0.40               | 0.40               | 0.40               | 0.42               | 0.42               | 0.42               | 0.42               | 0.42               |
|                                                                          | 77°F<br>(25.0°C)   | TC                     | 8523               | 8534               | 8543               | 8544               | 8555               | 9036               | 9047               | 9056               | 9058               | 9069               | 9576               | 9589               | 9599               | 9601               | 9612               | 10153              | 10164              | 10175              | 10177              | 10190              |
|                                                                          |                    | S/T                    | 0.35               | 0.41               | 0.47               | 0.47               | 0.54               | 0.37               | 0.44               | 0.50               | 0.50               | 0.57               | 0.40               | 0.47               | 0.53               | 0.53               | 0.60               | 0.42               | 0.49               | 0.56               | 0.56               | 0.64               |
|                                                                          |                    | PI                     | 0.36               | 0.36               | 0.36               | 0.36               | 0.37               | 0.39               | 0.39               | 0.39               | 0.39               | 0.39               | 0.41               | 0.41               | 0.41               | 0.41               | 0.41               | 0.43               | 0.43               | 0.43               | 0.43               | 0.43               |
|                                                                          | 82°F<br>(27.8°C)   | TC                     | 8626               | 8638               | 8647               | 8647               | 8659               | 9146               | 9157               | 9166               | 9168               | 9179               | 9692               | 9705               | 9716               | 9718               | 9728               | 10276              | 10288              | 10299              | 10300              | 10313              |
|                                                                          |                    | S/T                    | 0.36               | 0.42               | 0.48               | 0.48               | 0.54               | 0.38               | 0.45               | 0.51               | 0.51               | 0.58               | 0.40               | 0.47               | 0.54               | 0.54               | 0.61               | 0.43               | 0.50               | 0.57               | 0.57               | 0.65               |
|                                                                          |                    | PI                     | 0.41               | 0.41               | 0.41               | 0.41               | 0.41               | 0.43               | 0.44               | 0.44               | 0.44               | 0.44               | 0.46               | 0.46               | 0.46               | 0.46               | 0.46               | 0.49               | 0.49               | 0.49               | 0.49               | 0.49               |
|                                                                          | 86°F<br>(30.0°C)   | TC                     | 8513               | 8525               | 8534               | 8534               | 8546               | 9026               | 9037               | 9046               | 9048               | 9058               | 9565               | 9578               | 9589               | 9590               | 9601               | 10142              | 10153              | 10164              | 10165              | 10178              |
|                                                                          |                    | S/T                    | 0.36               | 0.43               | 0.48               | 0.48               | 0.55               | 0.38               | 0.45               | 0.51               | 0.51               | 0.58               | 0.41               | 0.48               | 0.54               | 0.54               | 0.62               | 0.43               | 0.51               | 0.58               | 0.58               | 0.66               |
|                                                                          |                    | PI                     | 0.50               | 0.50               | 0.50               | 0.50               | 0.50               | 0.53               | 0.53               | 0.53               | 0.53               | 0.53               | 0.56               | 0.56               | 0.56               | 0.56               | 0.56               | 0.59               | 0.59               | 0.59               | 0.59               | 0.59               |
|                                                                          | 95°F<br>(35.0°C)   | TC                     | 8259               | 8270               | 8279               | 8279               | 8291               | 8757               | 8767               | 8776               | 8777               | 8788               | 9280               | 9292               | 9302               | 9304               | 9314               | 9839               | 9850               | 9860               | 9862               | 9874               |
|                                                                          |                    | S/T                    | 0.36               | 0.43               | 0.48               | 0.48               | 0.55               | 0.38               | 0.45               | 0.51               | 0.51               | 0.58               | 0.41               | 0.48               | 0.54               | 0.54               | 0.62               | 0.43               | 0.51               | 0.58               | 0.58               | 0.66               |
|                                                                          |                    | PI                     | 0.69               | 0.69               | 0.69               | 0.69               | 0.70               | 0.74               | 0.74               |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |

## COOLING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 9 (Sheet 2 of 4)

| AIRFLOW<br>(CFM) | OUTDOOR<br>DB (°F) | ID WB(°F)<br>ID DB(°F) | 60.8°F(16.0°C)     |                    |                    |                    |                    | 64.4°F(18.0°C)     |                    |                    |                    |                    | 67°F(19.4°C)       |                    |                    |                    |                    | 71.6°F(22.0°C)     |                    |                    |                    |                    |
|------------------|--------------------|------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                  |                    |                        | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.7°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) |
| 324              | -22°F<br>(-30.0°C) | TC                     | 6475               | 6483               | 6490               | 6491               | 6499               | 6865               | 6873               | 6880               | 6881               | 6889               | 7275               | 7285               | 7293               | 7294               | 7302               | 7713               | 7722               | 7730               | 7731               | 7741               |
|                  |                    | S/T                    | 0.37               | 0.43               | 0.49               | 0.49               | 0.56               | 0.39               | 0.46               | 0.52               | 0.52               | 0.59               | 0.41               | 0.48               | 0.55               | 0.55               | 0.63               | 0.44               | 0.51               | 0.58               | 0.58               | 0.67               |
|                  |                    | PI                     | 0.26               | 0.26               | 0.26               | 0.26               | 0.27               | 0.28               | 0.28               | 0.28               | 0.28               | 0.28               | 0.30               | 0.30               | 0.30               | 0.30               | 0.30               | 0.31               | 0.32               | 0.32               | 0.32               | 0.32               |
|                  | -13°F<br>(-25.0°C) | TC                     | 7014               | 7024               | 7031               | 7032               | 7041               | 7437               | 7446               | 7453               | 7455               | 7463               | 7881               | 7892               | 7900               | 7902               | 7911               | 8356               | 8365               | 8374               | 8376               | 8386               |
|                  |                    | S/T                    | 0.37               | 0.43               | 0.49               | 0.49               | 0.56               | 0.39               | 0.46               | 0.52               | 0.52               | 0.60               | 0.42               | 0.49               | 0.55               | 0.55               | 0.63               | 0.44               | 0.52               | 0.59               | 0.59               | 0.67               |
|                  |                    | PI                     | 0.29               | 0.29               | 0.29               | 0.29               | 0.29               | 0.30               | 0.30               | 0.30               | 0.30               | 0.30               | 0.32               | 0.32               | 0.32               | 0.32               | 0.32               | 0.34               | 0.34               | 0.34               | 0.34               | 0.34               |
|                  | -4°F<br>(-20.0°C)  | TC                     | 7554               | 7564               | 7572               | 7572               | 7583               | 8009               | 8019               | 8026               | 8028               | 8038               | 8488               | 8499               | 8508               | 8510               | 8519               | 8999               | 9009               | 9019               | 9020               | 9031               |
|                  |                    | S/T                    | 0.37               | 0.44               | 0.50               | 0.50               | 0.57               | 0.39               | 0.46               | 0.53               | 0.53               | 0.60               | 0.42               | 0.49               | 0.56               | 0.56               | 0.64               | 0.44               | 0.52               | 0.59               | 0.59               | 0.67               |
|                  |                    | PI                     | 0.31               | 0.31               | 0.31               | 0.31               | 0.31               | 0.33               | 0.33               | 0.33               | 0.33               | 0.33               | 0.35               | 0.35               | 0.35               | 0.35               | 0.35               | 0.37               | 0.37               | 0.37               | 0.37               | 0.37               |
|                  | 0°F<br>(-17.8°C)   | TC                     | 7794               | 7804               | 7813               | 7813               | 7823               | 8263               | 8273               | 8281               | 8283               | 8293               | 8757               | 8768               | 8778               | 8780               | 8790               | 9285               | 9295               | 9305               | 9306               | 9318               |
|                  |                    | S/T                    | 0.37               | 0.44               | 0.50               | 0.50               | 0.57               | 0.40               | 0.46               | 0.53               | 0.53               | 0.60               | 0.42               | 0.49               | 0.56               | 0.56               | 0.64               | 0.44               | 0.52               | 0.59               | 0.59               | 0.68               |
|                  |                    | PI                     | 0.32               | 0.32               | 0.32               | 0.32               | 0.32               | 0.34               | 0.34               | 0.34               | 0.34               | 0.34               | 0.36               | 0.36               | 0.36               | 0.36               | 0.36               | 0.38               | 0.38               | 0.38               | 0.38               | 0.38               |
|                  | 5°F<br>(-15.0°C)   | TC                     | 8093               | 8104               | 8113               | 8113               | 8124               | 8581               | 8591               | 8600               | 8601               | 8612               | 9094               | 9106               | 9116               | 9117               | 9128               | 9642               | 9652               | 9663               | 9664               | 9676               |
|                  |                    | S/T                    | 0.38               | 0.44               | 0.50               | 0.50               | 0.57               | 0.40               | 0.47               | 0.53               | 0.53               | 0.60               | 0.42               | 0.49               | 0.56               | 0.56               | 0.64               | 0.45               | 0.52               | 0.60               | 0.60               | 0.68               |
|                  |                    | PI                     | 0.33               | 0.33               | 0.33               | 0.33               | 0.33               | 0.35               | 0.35               | 0.35               | 0.35               | 0.35               | 0.37               | 0.37               | 0.37               | 0.37               | 0.37               | 0.39               | 0.39               | 0.39               | 0.39               | 0.39               |
|                  | 14°F<br>(-10.0°C)  | TC                     | 8052               | 8062               | 8071               | 8071               | 8082               | 8537               | 8547               | 8555               | 8557               | 8567               | 9047               | 9059               | 9069               | 9070               | 9080               | 9592               | 9602               | 9613               | 9614               | 9626               |
|                  |                    | S/T                    | 0.38               | 0.44               | 0.50               | 0.50               | 0.57               | 0.40               | 0.47               | 0.53               | 0.53               | 0.61               | 0.42               | 0.50               | 0.56               | 0.56               | 0.64               | 0.45               | 0.53               | 0.60               | 0.60               | 0.68               |
|                  |                    | PI                     | 0.33               | 0.33               | 0.33               | 0.33               | 0.33               | 0.35               | 0.35               | 0.35               | 0.35               | 0.35               | 0.37               | 0.37               | 0.37               | 0.37               | 0.37               | 0.39               | 0.39               | 0.39               | 0.39               | 0.39               |
|                  | 17°F<br>(-8.3°C)   | TC                     | 8038               | 8048               | 8057               | 8057               | 8068               | 8522               | 8532               | 8540               | 8542               | 8552               | 9031               | 9043               | 9053               | 9055               | 9065               | 9575               | 9586               | 9596               | 9598               | 9610               |
|                  |                    | S/T                    | 0.38               | 0.44               | 0.50               | 0.50               | 0.57               | 0.40               | 0.47               | 0.53               | 0.53               | 0.61               | 0.42               | 0.50               | 0.57               | 0.57               | 0.64               | 0.45               | 0.53               | 0.60               | 0.60               | 0.68               |
|                  |                    | PI                     | 0.33               | 0.33               | 0.33               | 0.33               | 0.33               | 0.35               | 0.35               | 0.35               | 0.35               | 0.35               | 0.37               | 0.37               | 0.37               | 0.37               | 0.37               | 0.39               | 0.39               | 0.39               | 0.39               | 0.39               |
|                  | 23°F<br>(-5.0°C)   | TC                     | 8009               | 8020               | 8028               | 8029               | 8039               | 8491               | 8501               | 8510               | 8512               | 8522               | 8999               | 9010               | 9020               | 9022               | 9032               | 9541               | 9551               | 9562               | 9563               | 9575               |
|                  |                    | S/T                    | 0.38               | 0.44               | 0.51               | 0.51               | 0.58               | 0.40               | 0.47               | 0.54               | 0.54               | 0.61               | 0.43               | 0.50               | 0.57               | 0.57               | 0.65               | 0.45               | 0.53               | 0.60               | 0.60               | 0.69               |
|                  |                    | PI                     | 0.34               | 0.34               | 0.34               | 0.34               | 0.34               | 0.36               | 0.36               | 0.36               | 0.36               | 0.36               | 0.38               | 0.38               | 0.38               | 0.38               | 0.38               | 0.40               | 0.40               | 0.40               | 0.40               | 0.40               |
|                  | 35°F<br>(1.7°C)    | TC                     | 7951               | 7962               | 7970               | 7971               | 7982               | 8430               | 8440               | 8449               | 8450               | 8460               | 8934               | 8946               | 8956               | 8957               | 8967               | 9472               | 9483               | 9493               | 9494               | 9506               |
|                  |                    | S/T                    | 0.38               | 0.45               | 0.51               | 0.51               | 0.58               | 0.40               | 0.47               | 0.54               | 0.54               | 0.61               | 0.43               | 0.50               | 0.57               | 0.57               | 0.65               | 0.45               | 0.53               | 0.60               | 0.61               | 0.69               |
|                  |                    | PI                     | 0.36               | 0.36               | 0.36               | 0.36               | 0.36               | 0.38               | 0.38               | 0.38               | 0.38               | 0.38               | 0.40               | 0.40               | 0.40               | 0.40               | 0.40               | 0.43               | 0.43               | 0.43               | 0.43               | 0.43               |
|                  | 41°F<br>(5.0°C)    | TC                     | 7942               | 7953               | 7961               | 7962               | 7972               | 8421               | 8431               | 8439               | 8441               | 8451               | 8924               | 8935               | 8945               | 8947               | 8957               | 9462               | 9472               | 9482               | 9484               | 9495               |
|                  |                    | S/T                    | 0.38               | 0.45               | 0.51               | 0.51               | 0.58               | 0.40               | 0.47               | 0.54               | 0.54               | 0.62               | 0.43               | 0.50               | 0.57               | 0.57               | 0.65               | 0.45               | 0.53               | 0.61               | 0.61               | 0.69               |
|                  |                    | PI                     | 0.36               | 0.36               | 0.36               | 0.36               | 0.36               | 0.39               | 0.39               | 0.39               | 0.39               | 0.39               | 0.41               | 0.41               | 0.41               | 0.41               | 0.41               | 0.43               | 0.43               | 0.43               | 0.43               | 0.43               |
|                  | 47°F<br>(8.3°C)    | TC                     | 7933               | 7944               | 7952               | 7953               | 7963               | 8411               | 8421               | 8430               | 8431               | 8441               | 8914               | 8925               | 8935               | 8937               | 8947               | 9451               | 9461               | 9471               | 9473               | 9485               |
|                  |                    | S/T                    | 0.38               | 0.45               | 0.51               | 0.51               | 0.58               | 0.41               | 0.48               | 0.54               | 0.54               | 0.62               | 0.43               | 0.50               | 0.57               | 0.57               | 0.65               | 0.46               | 0.54               | 0.61               | 0.61               | 0.69               |
|                  |                    | PI                     | 0.37               | 0.37               | 0.37               | 0.37               | 0.37               | 0.39               | 0.39               | 0.39               | 0.39               | 0.39               | 0.41               | 0.41               | 0.41               | 0.42               | 0.42               | 0.44               | 0.44               | 0.44               | 0.44               | 0.44               |
|                  | 50°F<br>(10.0°C)   | TC                     | 8109               | 8120               | 8129               | 8130               | 8140               | 8598               | 8608               | 8617               | 8619               | 8629               | 9112               | 9124               | 9134               | 9136               | 9146               | 9661               | 9671               | 9682               | 9683               | 9696               |
|                  |                    | S/T                    | 0.38               | 0.45               | 0.51               | 0.51               | 0.58               | 0.41               | 0.48               | 0.54               | 0.54               | 0.62               | 0.43               | 0.51               | 0.58               | 0.58               | 0.66               | 0.46               | 0.54               | 0.61               | 0.61               | 0.70               |
|                  |                    | PI                     | 0.37               | 0.37               | 0.37               | 0.37               | 0.37               | 0.40               | 0.40               | 0.40               | 0.40               | 0.40               | 0.42               | 0.42               | 0.42               | 0.42               | 0.42               | 0.44               | 0.44               | 0.45               | 0.45               | 0.45               |
|                  | 59°F<br>(15.0°C)   | TC                     | 8639               | 8650               | 8660               | 8660               | 8672               | 9159               | 9170               | 9179               | 9181               | 9192               | 9706               | 9719               | 9730               | 9732               | 9743               | 10291              | 10302              | 10314              | 10315              | 10328              |
|                  |                    | S/T                    | 0.39               | 0.45               | 0.52               | 0.52               | 0.59               | 0.41               | 0.48               | 0.55               | 0.55               | 0.62               | 0.43               | 0.51               | 0.58               | 0.58               | 0.66               | 0.46               | 0.54               | 0.61               | 0.61               | 0.70               |
|                  |                    | PI                     | 0.39               | 0.39               | 0.39               | 0.39               | 0.39               | 0.41               | 0.41               | 0.41               | 0.41               | 0.41               | 0.43               | 0.43               | 0.44               | 0.44               | 0.44               | 0.46               | 0.46               | 0.46               | 0.46               | 0.46               |
|                  | 68°F<br>(20.0°C)   | TC                     | 9168               | 9180               | 9190               | 9190               | 9203               | 9720               | 9732               | 9741               | 9743               | 9755               | 10301              | 10314              | 10326              | 10328              | 10339              | 10922              | 10933              | 10945              | 10947              | 10961              |
|                  |                    | S/T                    | 0.40               | 0.47               | 0.53               | 0.53               | 0.60               | 0.42               | 0.49               | 0.56               | 0.56               | 0.64               | 0.45               | 0.52               | 0.59               | 0.59               | 0.68               | 0.47               | 0.55               | 0.63               | 0.63               | 0.72               |
|                  |                    | PI                     | 0.40               | 0.40               | 0.40               | 0.40               | 0.40               | 0.42               | 0.42               | 0.43               | 0.43               | 0.43               | 0.45               | 0.45               | 0.45               | 0.45               | 0.45               | 0.48               | 0.48               | 0.48               | 0.48               | 0.48               |
|                  | 77°F<br>(25.0°C)   | TC                     | 9697               | 9710               | 9720               | 9721               | 9734               | 10281              | 10293              | 10304              | 10306              | 10318              | 10895              | 10910              | 10922              | 10924              | 10936              | 11552              | 11564              | 11577              | 11579              | 11593              |
|                  |                    | S/T                    | 0.40               | 0.47               | 0.54               | 0.54               | 0.61               | 0.43               | 0.50               | 0.57               | 0.57               | 0.65               | 0.45               | 0.53               | 0.60               | 0.60               | 0.69               | 0.48               | 0.56               | 0.64               | 0.64               | 0.73               |
|                  |                    | PI                     | 0.41               | 0.41               | 0.41               | 0.41               | 0.42               | 0.44               | 0.44               | 0.44               | 0.44               | 0.44               | 0.46               | 0.47               | 0.47               | 0.47               | 0.47               | 0.49               | 0.49               | 0.49               | 0.49               | 0.49               |
|                  | 82°F<br>(27.8°C)   | TC                     | 9814               | 9828               | 9838               | 9839               | 9852               | 10406              | 10418              | 10428              | 10430              | 10443              | 11027              | 11042              | 11054              | 11056              | 11069              | 11692              | 11705              | 11717              | 11719              | 11734              |
|                  |                    | S/T                    | 0.41               | 0.48               | 0.54               | 0.54               | 0.62               | 0.43               | 0.51               | 0.58               | 0.58               | 0.66               | 0.46               | 0.54               | 0.61               | 0.61               | 0.70               | 0.49               | 0.57               | 0.65               | 0.65               | 0.74               |
|                  |                    | PI                     | 0.47               | 0.47               | 0.47               | 0.47               | 0.47               | 0.49               | 0.50               | 0.50               | 0.50               | 0.50               | 0.52               | 0.52               | 0.53               | 0.53               | 0.53               | 0.56               | 0.56               | 0.56               | 0.56               | 0.56               |
| 86°F<br>(30.0°C) | TC                 | 9686                   | 9699               | 9709               | 9710               | 9723               | 10270              | 10282              | 10292              | 10294              | 10306              | 10883              | 10897              | 10909              | 10911              | 10924              | 11539              | 11551              | 11564              | 11566              | 11580              |                    |
|                  | S/T                | 0.41                   | 0.48               | 0.55               | 0.55               | 0.63               | 0.44               | 0.51               | 0.58               | 0.58               | 0.66               | 0.46               | 0.54               | 0.62               | 0.62               | 0.70               | 0.49               | 0.58               | 0.66               | 0.66               | 0.75               |                    |
|                  | PI                 | 0.57                   | 0.57               | 0.57               | 0.57               | 0.57               | 0.60               | 0.60               | 0.60               | 0.60               | 0.60               | 0.64               | 0.64               | 0.64               | 0.64               | 0.64               | 0.67               | 0.67               | 0.68               | 0.68               | 0.68               |                    |
| 95°F<br>(35.0°C) | TC                 | 9397                   | 9409               | 9419               | 9420               | 9432               | 9963               | 9975               | 9985               | 9986               | 9998               | 10558              | 10572              | 10584              | 10586              | 10597              | 11194              | 11206              | 11219              | 11220              | 11234              |                    |
|                  | S/T                | 0.41                   | 0.48               | 0.55               | 0.55               | 0.63               | 0.44               | 0.51               | 0.58               | 0.58               | 0.66               | 0.46               | 0.54               | 0.62               | 0.62               | 0.70               | 0.49               | 0.58               | 0.66               | 0.66               | 0.75               |                    |
|                  | PI                 | 0.79                   | 0.79               | 0.79               | 0.79               | 0.79               | 0.84               | 0.84               | 0.84.              |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |

## COOLING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 9 (Sheet 3 of 4)

| AIRFLOW<br>(CFM) | OUTDOOR<br>DB (°F) | ID WB(°F)<br>ID DB(°F) | 60.8°F(16.0°C)     |                    |                    |                    |                    | 64.4°F(18.0°C)     |                    |                    |                    |                    | 67°F(19.4°C)       |                    |                    |                    |                    | 71.6°F(22.0°C)     |                    |                    |                    |                    |
|------------------|--------------------|------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                  |                    |                        | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) |
|                  |                    |                        | TC                 | S/T                | PI                 | TC                 | S/T                | PI                 | TC                 | S/T                | PI                 | TC                 | S/T                | PI                 | TC                 | S/T                | PI                 | TC                 | S/T                | PI                 | TC                 | S/T                |
| 376              | -22°F<br>(-30.0°C) | TC                     | 7367               | 7376               | 7384               | 7385               | 7395               | 7811               | 7820               | 7827               | 7829               | 7838               | 8277               | 8288               | 8297               | 8299               | 8308               | 8776               | 8785               | 8795               | 8796               | 8807               |
|                  |                    | S/T                    | 0.42               | 0.49               | 0.56               | 0.56               | 0.64               | 0.44               | 0.52               | 0.59               | 0.59               | 0.67               | 0.47               | 0.55               | 0.63               | 0.63               | 0.71               | 0.50               | 0.58               | 0.66               | 0.66               | 0.76               |
|                  |                    | PI                     | 0.30               | 0.30               | 0.30               | 0.30               | 0.30               | 0.32               | 0.32               | 0.32               | 0.32               | 0.32               | 0.34               | 0.34               | 0.34               | 0.34               | 0.34               | 0.36               | 0.36               | 0.36               | 0.36               | 0.36               |
|                  | -13°F<br>(-25.0°C) | TC                     | 7980               | 7991               | 8000               | 8000               | 8011               | 8461               | 8471               | 8480               | 8481               | 8492               | 8967               | 8979               | 8989               | 8990               | 9000               | 9507               | 9518               | 9528               | 9529               | 9541               |
|                  |                    | S/T                    | 0.42               | 0.49               | 0.56               | 0.56               | 0.64               | 0.45               | 0.52               | 0.60               | 0.60               | 0.68               | 0.47               | 0.56               | 0.63               | 0.63               | 0.72               | 0.50               | 0.59               | 0.67               | 0.67               | 0.76               |
|                  |                    | PI                     | 0.33               | 0.33               | 0.33               | 0.33               | 0.33               | 0.35               | 0.35               | 0.35               | 0.35               | 0.35               | 0.37               | 0.37               | 0.37               | 0.37               | 0.37               | 0.39               | 0.39               | 0.39               | 0.39               | 0.39               |
|                  | -4°F<br>(-20.0°C)  | TC                     | 8594               | 8606               | 8615               | 8616               | 8627               | 9112               | 9123               | 9132               | 9134               | 9145               | 9657               | 9669               | 9680               | 9682               | 9693               | 10238              | 10250              | 10261              | 10262              | 10275              |
|                  |                    | S/T                    | 0.42               | 0.50               | 0.56               | 0.56               | 0.64               | 0.45               | 0.53               | 0.60               | 0.60               | 0.68               | 0.48               | 0.56               | 0.63               | 0.63               | 0.72               | 0.50               | 0.59               | 0.67               | 0.67               | 0.77               |
|                  |                    | PI                     | 0.35               | 0.35               | 0.35               | 0.35               | 0.35               | 0.37               | 0.37               | 0.37               | 0.37               | 0.37               | 0.39               | 0.39               | 0.40               | 0.40               | 0.40               | 0.42               | 0.42               | 0.42               | 0.42               | 0.42               |
|                  | 0°F<br>(-17.8°C)   | TC                     | 8867               | 8879               | 8889               | 8889               | 8901               | 9402               | 9413               | 9422               | 9424               | 9435               | 9963               | 9976               | 9987               | 9989               | 10000              | 10564              | 10575              | 10587              | 10588              | 10601              |
|                  |                    | S/T                    | 0.42               | 0.50               | 0.57               | 0.57               | 0.65               | 0.45               | 0.53               | 0.60               | 0.60               | 0.68               | 0.48               | 0.56               | 0.64               | 0.64               | 0.73               | 0.51               | 0.59               | 0.67               | 0.67               | 0.77               |
|                  |                    | PI                     | 0.36               | 0.36               | 0.36               | 0.36               | 0.36               | 0.38               | 0.38               | 0.38               | 0.38               | 0.39               | 0.41               | 0.41               | 0.41               | 0.41               | 0.41               | 0.43               | 0.43               | 0.43               | 0.43               | 0.43               |
|                  | 5°F<br>(-15.0°C)   | TC                     | 9208               | 9221               | 9231               | 9231               | 9243               | 9763               | 9775               | 9784               | 9786               | 9798               | 10346              | 10360              | 10371              | 10373              | 10385              | 10970              | 10982              | 10994              | 10995              | 11009              |
|                  |                    | S/T                    | 0.43               | 0.50               | 0.57               | 0.57               | 0.65               | 0.45               | 0.53               | 0.60               | 0.60               | 0.69               | 0.48               | 0.56               | 0.64               | 0.64               | 0.73               | 0.51               | 0.60               | 0.68               | 0.68               | 0.77               |
|                  |                    | PI                     | 0.38               | 0.38               | 0.38               | 0.38               | 0.38               | 0.40               | 0.40               | 0.40               | 0.40               | 0.40               | 0.42               | 0.42               | 0.42               | 0.42               | 0.42               | 0.45               | 0.45               | 0.45               | 0.45               | 0.45               |
|                  | 14°F<br>(-10.0°C)  | TC                     | 9161               | 9173               | 9183               | 9183               | 9196               | 9713               | 9724               | 9734               | 9736               | 9747               | 10293              | 10306              | 10318              | 10320              | 10331              | 10913              | 10925              | 10937              | 10939              | 10952              |
|                  |                    | S/T                    | 0.43               | 0.50               | 0.57               | 0.57               | 0.65               | 0.45               | 0.53               | 0.60               | 0.60               | 0.69               | 0.48               | 0.56               | 0.64               | 0.64               | 0.73               | 0.51               | 0.60               | 0.68               | 0.68               | 0.77               |
|                  |                    | PI                     | 0.37               | 0.37               | 0.37               | 0.37               | 0.38               | 0.40               | 0.40               | 0.40               | 0.40               | 0.40               | 0.42               | 0.42               | 0.42               | 0.42               | 0.42               | 0.45               | 0.45               | 0.45               | 0.45               | 0.45               |
|                  | 17°F<br>(-8.3°C)   | TC                     | 9145               | 9157               | 9167               | 9167               | 9180               | 9696               | 9707               | 9717               | 9719               | 9730               | 10275              | 10288              | 10300              | 10302              | 10313              | 10894              | 10906              | 10918              | 10920              | 10933              |
|                  |                    | S/T                    | 0.43               | 0.50               | 0.57               | 0.57               | 0.65               | 0.45               | 0.53               | 0.61               | 0.61               | 0.69               | 0.48               | 0.57               | 0.64               | 0.64               | 0.73               | 0.51               | 0.60               | 0.68               | 0.68               | 0.78               |
|                  |                    | PI                     | 0.37               | 0.37               | 0.37               | 0.37               | 0.37               | 0.40               | 0.40               | 0.40               | 0.40               | 0.40               | 0.42               | 0.42               | 0.42               | 0.42               | 0.42               | 0.44               | 0.45               | 0.45               | 0.45               | 0.45               |
|                  | 23°F<br>(-5.0°C)   | TC                     | 9112               | 9124               | 9134               | 9134               | 9147               | 9661               | 9672               | 9682               | 9684               | 9695               | 10238              | 10252              | 10263              | 10265              | 10276              | 10855              | 10867              | 10879              | 10880              | 10894              |
|                  |                    | S/T                    | 0.43               | 0.51               | 0.58               | 0.58               | 0.66               | 0.46               | 0.54               | 0.61               | 0.61               | 0.69               | 0.48               | 0.57               | 0.65               | 0.65               | 0.74               | 0.51               | 0.60               | 0.68               | 0.68               | 0.78               |
|                  |                    | PI                     | 0.38               | 0.39               | 0.39               | 0.39               | 0.39               | 0.41               | 0.41               | 0.41               | 0.41               | 0.41               | 0.43               | 0.43               | 0.43               | 0.43               | 0.43               | 0.46               | 0.46               | 0.46               | 0.46               | 0.46               |
|                  | 35°F<br>(1.7°C)    | TC                     | 9046               | 9059               | 9068               | 9069               | 9081               | 9592               | 9603               | 9612               | 9614               | 9626               | 10165              | 10178              | 10189              | 10191              | 10202              | 10777              | 10789              | 10800              | 10802              | 10816              |
|                  |                    | S/T                    | 0.43               | 0.51               | 0.58               | 0.58               | 0.66               | 0.46               | 0.54               | 0.61               | 0.61               | 0.70               | 0.49               | 0.57               | 0.65               | 0.65               | 0.74               | 0.52               | 0.61               | 0.69               | 0.69               | 0.78               |
|                  |                    | PI                     | 0.41               | 0.41               | 0.41               | 0.41               | 0.41               | 0.43               | 0.43               | 0.43               | 0.43               | 0.43               | 0.46               | 0.46               | 0.46               | 0.46               | 0.46               | 0.49               | 0.49               | 0.49               | 0.49               | 0.49               |
|                  | 41°F<br>(5.0°C)    | TC                     | 9036               | 9048               | 9058               | 9058               | 9071               | 9581               | 9592               | 9601               | 9603               | 9615               | 10153              | 10166              | 10178              | 10179              | 10191              | 10765              | 10777              | 10788              | 10790              | 10803              |
|                  |                    | S/T                    | 0.43               | 0.51               | 0.58               | 0.58               | 0.66               | 0.46               | 0.54               | 0.61               | 0.61               | 0.70               | 0.49               | 0.57               | 0.65               | 0.65               | 0.74               | 0.52               | 0.61               | 0.69               | 0.69               | 0.79               |
|                  |                    | PI                     | 0.41               | 0.41               | 0.41               | 0.41               | 0.41               | 0.44               | 0.44               | 0.44               | 0.44               | 0.44               | 0.46               | 0.46               | 0.46               | 0.47               | 0.47               | 0.49               | 0.49               | 0.49               | 0.49               | 0.49               |
|                  | 47°F<br>(8.3°C)    | TC                     | 9026               | 9038               | 9048               | 9048               | 9060               | 9570               | 9581               | 9591               | 9592               | 9604               | 10142              | 10155              | 10166              | 10168              | 10179              | 10753              | 10764              | 10776              | 10778              | 10791              |
|                  |                    | S/T                    | 0.44               | 0.51               | 0.58               | 0.58               | 0.66               | 0.46               | 0.54               | 0.62               | 0.62               | 0.70               | 0.49               | 0.57               | 0.65               | 0.65               | 0.74               | 0.52               | 0.61               | 0.69               | 0.69               | 0.79               |
|                  |                    | PI                     | 0.42               | 0.42               | 0.42               | 0.42               | 0.42               | 0.44               | 0.45               | 0.45               | 0.45               | 0.45               | 0.47               | 0.47               | 0.47               | 0.47               | 0.47               | 0.50               | 0.50               | 0.50               | 0.50               | 0.50               |
|                  | 50°F<br>(10.0°C)   | TC                     | 9227               | 9239               | 9249               | 9249               | 9262               | 9783               | 9794               | 9804               | 9806               | 9817               | 10367              | 10380              | 10392              | 10394              | 10406              | 10992              | 11004              | 11016              | 11017              | 11031              |
|                  |                    | S/T                    | 0.44               | 0.51               | 0.58               | 0.58               | 0.67               | 0.46               | 0.54               | 0.62               | 0.62               | 0.71               | 0.49               | 0.58               | 0.66               | 0.66               | 0.75               | 0.52               | 0.61               | 0.70               | 0.70               | 0.79               |
|                  |                    | PI                     | 0.42               | 0.42               | 0.43               | 0.43               | 0.43               | 0.45               | 0.45               | 0.45               | 0.45               | 0.45               | 0.48               | 0.48               | 0.48               | 0.48               | 0.48               | 0.51               | 0.51               | 0.51               | 0.51               | 0.51               |
|                  | 59°F<br>(15.0°C)   | TC                     | 9829               | 9842               | 9852               | 9853               | 9866               | 10421              | 10433              | 10443              | 10446              | 10458              | 11043              | 11058              | 11070              | 11072              | 11084              | 11709              | 11722              | 11734              | 11736              | 11751              |
|                  |                    | S/T                    | 0.44               | 0.52               | 0.59               | 0.59               | 0.67               | 0.47               | 0.55               | 0.62               | 0.62               | 0.71               | 0.49               | 0.58               | 0.66               | 0.66               | 0.75               | 0.52               | 0.61               | 0.70               | 0.70               | 0.80               |
|                  |                    | PI                     | 0.44               | 0.44               | 0.44               | 0.44               | 0.44               | 0.47               | 0.47               | 0.47               | 0.47               | 0.47               | 0.49               | 0.49               | 0.49               | 0.50               | 0.50               | 0.52               | 0.52               | 0.53               | 0.53               | 0.53               |
|                  | 68°F<br>(20.0°C)   | TC                     | 10430              | 10445              | 10456              | 10456              | 10470              | 11059              | 11072              | 11083              | 11085              | 11098              | 11720              | 11735              | 11748              | 11750              | 11763              | 12426              | 12439              | 12453              | 12455              | 12470              |
|                  |                    | S/T                    | 0.45               | 0.53               | 0.60               | 0.60               | 0.69               | 0.48               | 0.56               | 0.64               | 0.64               | 0.73               | 0.51               | 0.60               | 0.68               | 0.68               | 0.77               | 0.54               | 0.63               | 0.72               | 0.72               | 0.82               |
|                  |                    | PI                     | 0.46               | 0.46               | 0.46               | 0.46               | 0.46               | 0.48               | 0.48               | 0.48               | 0.48               | 0.48               | 0.51               | 0.51               | 0.51               | 0.51               | 0.51               | 0.54               | 0.54               | 0.54               | 0.54               | 0.54               |
|                  | 77°F<br>(25.0°C)   | TC                     | 11032              | 11047              | 11059              | 11060              | 11075              | 11697              | 11711              | 11723              | 11725              | 11739              | 12396              | 12412              | 12426              | 12428              | 12442              | 13143              | 13157              | 13172              | 13174              | 13190              |
|                  |                    | S/T                    | 0.46               | 0.54               | 0.61               | 0.61               | 0.70               | 0.49               | 0.57               | 0.65               | 0.65               | 0.74               | 0.51               | 0.60               | 0.69               | 0.69               | 0.78               | 0.55               | 0.64               | 0.73               | 0.73               | 0.83               |
|                  |                    | PI                     | 0.47               | 0.47               | 0.47               | 0.47               | 0.47               | 0.50               | 0.50               | 0.50               | 0.50               | 0.50               | 0.53               | 0.53               | 0.53               | 0.53               | 0.53               | 0.56               | 0.56               | 0.56               | 0.56               | 0.56               |
|                  | 82°F<br>(27.8°C)   | TC                     | 11166              | 11181              | 11193              | 11194              | 11209              | 11839              | 11853              | 11865              | 11867              | 11881              | 12546              | 12563              | 12577              | 12579              | 12593              | 13302              | 13317              | 13331              | 13333              | 13350              |
|                  |                    | S/T                    | 0.46               | 0.54               | 0.62               | 0.62               | 0.70               | 0.49               | 0.58               | 0.66               | 0.66               | 0.75               | 0.52               | 0.61               | 0.69               | 0.69               | 0.79               | 0.55               | 0.65               | 0.74               | 0.74               | 0.84               |
|                  |                    | PI                     | 0.53               | 0.53               | 0.53               | 0.53               | 0.53               | 0.56               | 0.56               | 0.56               | 0.56               | 0.56               | 0.60               | 0.60               | 0.60               | 0.60               | 0.60               | 0.63               | 0.63               | 0.63               | 0.63               | 0.63               |
| 86°F<br>(30.0°C) | TC                 | 11020                  | 11035              | 11047              | 11047              | 11062              | 11684              | 11698              | 11709              | 11712              | 11726              | 12382              | 12398              | 12412              | 12414              | 12428              | 13128              | 13142              | 13157              | 13159              | 13175              |                    |
|                  | S/T                | 0.47                   | 0.55               | 0.63               | 0.63               | 0.71               | 0.50               | 0.58               | 0.66               | 0.66               | 0.76               | 0.53               | 0.62               | 0.70               | 0.70               | 0.80               | 0.56               | 0.66               | 0.75               | 0.75               | 0.85               |                    |
|                  | PI                 | 0.64                   | 0.64               | 0.65               | 0.65               | 0.65               | 0.68               | 0.68               | 0.68               | 0.68               | 0.68               | 0.72               | 0.72               | 0.72               | 0.72               | 0.73               | 0.77               | 0.77               | 0.77               | 0.77               | 0.77               |                    |
| 95°F<br>(35.0°C) | TC                 | 10691                  | 10705              | 10717              | 10717              | 10732              | 11335              | 11349              | 11360              | 11362              | 11376              | 12012              | 12028              | 12041              | 12044              | 12057              | 12736              | 12750              | 12764              | 12766              |                    |                    |

## COOLING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 9 (Sheet 4 of 4)

| AIRFLOW<br>(CFM) | OUTDOOR<br>DB (°F) | ID WB(°F) | 60.8°F(16.0°C)     |                    |                    |                    |                    | 64.4°F(18.0°C)     |                    |                    |                    |                    | 67°F(19.4°C)       |                    |                    |                    |                    | 71.6°F(22.0°C)     |                    |                    |                    |                    |
|------------------|--------------------|-----------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                  |                    |           | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) |
|                  |                    |           | ID DB(°F)          |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |
| 441              | -22°F<br>(-30.0°C) | TC        | 8381               | 8393               | 8402               | 8402               | 8413               | 8886               | 8897               | 8906               | 8907               | 8918               | 9417               | 9429               | 9440               | 9442               | 9452               | 9985               | 9996               | 10006              | 10008              | 10020              |
|                  |                    | S/T       | 0.48               | 0.56               | 0.63               | 0.63               | 0.72               | 0.50               | 0.59               | 0.67               | 0.67               | 0.77               | 0.53               | 0.63               | 0.71               | 0.71               | 0.81               | 0.57               | 0.67               | 0.76               | 0.76               | 0.86               |
|                  |                    | PI        | 0.34               | 0.34               | 0.34               | 0.34               | 0.34               | 0.36               | 0.36               | 0.36               | 0.36               | 0.36               | 0.38               | 0.38               | 0.39               | 0.39               | 0.39               | 0.41               | 0.41               | 0.41               | 0.41               | 0.41               |
|                  | -13°F<br>(-25.0°C) | TC        | 9080               | 9092               | 9102               | 9102               | 9114               | 9627               | 9638               | 9648               | 9650               | 9661               | 10202              | 10215              | 10227              | 10229              | 10240              | 10817              | 10828              | 10840              | 10842              | 10855              |
|                  |                    | S/T       | 0.48               | 0.56               | 0.64               | 0.64               | 0.73               | 0.51               | 0.60               | 0.68               | 0.68               | 0.77               | 0.54               | 0.63               | 0.72               | 0.72               | 0.82               | 0.57               | 0.67               | 0.76               | 0.76               | 0.87               |
|                  |                    | PI        | 0.37               | 0.37               | 0.37               | 0.37               | 0.37               | 0.39               | 0.39               | 0.39               | 0.39               | 0.39               | 0.42               | 0.42               | 0.42               | 0.42               | 0.42               | 0.44               | 0.44               | 0.44               | 0.44               | 0.44               |
|                  | -4°F<br>(-20.0°C)  | TC        | 9778               | 9791               | 9802               | 9802               | 9815               | 10367              | 10380              | 10390              | 10392              | 10404              | 10987              | 11001              | 11013              | 11015              | 11028              | 11649              | 11661              | 11674              | 11676              | 11690              |
|                  |                    | S/T       | 0.48               | 0.57               | 0.64               | 0.64               | 0.73               | 0.51               | 0.60               | 0.68               | 0.68               | 0.78               | 0.54               | 0.64               | 0.72               | 0.72               | 0.82               | 0.57               | 0.67               | 0.77               | 0.77               | 0.87               |
|                  |                    | PI        | 0.40               | 0.40               | 0.40               | 0.40               | 0.40               | 0.42               | 0.42               | 0.42               | 0.42               | 0.42               | 0.45               | 0.45               | 0.45               | 0.45               | 0.45               | 0.48               | 0.48               | 0.48               | 0.48               | 0.48               |
|                  | 0°F<br>(-17.8°C)   | TC        | 10089              | 10102              | 10113              | 10113              | 10127              | 10697              | 10709              | 10720              | 10722              | 10735              | 11336              | 11350              | 11363              | 11365              | 11378              | 12019              | 12032              | 12045              | 12047              | 12062              |
|                  |                    | S/T       | 0.48               | 0.57               | 0.64               | 0.64               | 0.73               | 0.51               | 0.60               | 0.68               | 0.68               | 0.78               | 0.54               | 0.64               | 0.72               | 0.72               | 0.83               | 0.58               | 0.68               | 0.77               | 0.77               | 0.88               |
|                  |                    | PI        | 0.41               | 0.41               | 0.41               | 0.41               | 0.41               | 0.44               | 0.44               | 0.44               | 0.44               | 0.44               | 0.46               | 0.46               | 0.46               | 0.46               | 0.46               | 0.49               | 0.49               | 0.49               | 0.49               | 0.49               |
|                  | 5°F<br>(-15.0°C)   | TC        | 10477              | 10491              | 10502              | 10502              | 10517              | 11108              | 11121              | 11132              | 11134              | 11147              | 11772              | 11787              | 11800              | 11802              | 11815              | 12481              | 12494              | 12508              | 12510              | 12526              |
|                  |                    | S/T       | 0.49               | 0.57               | 0.65               | 0.65               | 0.74               | 0.51               | 0.60               | 0.69               | 0.69               | 0.78               | 0.55               | 0.64               | 0.73               | 0.73               | 0.83               | 0.58               | 0.68               | 0.77               | 0.77               | 0.88               |
|                  |                    | PI        | 0.43               | 0.43               | 0.43               | 0.43               | 0.43               | 0.45               | 0.45               | 0.45               | 0.45               | 0.46               | 0.48               | 0.48               | 0.48               | 0.48               | 0.48               | 0.51               | 0.51               | 0.51               | 0.51               | 0.51               |
|                  | 14°F<br>(-10.0°C)  | TC        | 10422              | 10436              | 10448              | 10448              | 10462              | 11050              | 11064              | 11074              | 11077              | 11090              | 11711              | 11726              | 11739              | 11741              | 11754              | 12416              | 12430              | 12443              | 12445              | 12461              |
|                  |                    | S/T       | 0.49               | 0.57               | 0.65               | 0.65               | 0.74               | 0.52               | 0.61               | 0.69               | 0.69               | 0.78               | 0.55               | 0.64               | 0.73               | 0.73               | 0.83               | 0.58               | 0.68               | 0.77               | 0.77               | 0.88               |
|                  |                    | PI        | 0.43               | 0.43               | 0.43               | 0.43               | 0.43               | 0.45               | 0.45               | 0.45               | 0.45               | 0.45               | 0.48               | 0.48               | 0.48               | 0.48               | 0.48               | 0.51               | 0.51               | 0.51               | 0.51               | 0.51               |
|                  | 17°F<br>(-8.3°C)   | TC        | 10404              | 10418              | 10430              | 10430              | 10444              | 11031              | 11044              | 11055              | 11057              | 11071              | 11690              | 11706              | 11719              | 11721              | 11734              | 12395              | 12408              | 12422              | 12424              | 12439              |
|                  |                    | S/T       | 0.49               | 0.57               | 0.65               | 0.65               | 0.74               | 0.52               | 0.61               | 0.69               | 0.69               | 0.79               | 0.55               | 0.64               | 0.73               | 0.73               | 0.83               | 0.58               | 0.68               | 0.78               | 0.78               | 0.88               |
|                  |                    | PI        | 0.42               | 0.43               | 0.43               | 0.43               | 0.43               | 0.45               | 0.45               | 0.45               | 0.45               | 0.45               | 0.48               | 0.48               | 0.48               | 0.48               | 0.48               | 0.51               | 0.51               | 0.51               | 0.51               | 0.51               |
|                  | 23°F<br>(-5.0°C)   | TC        | 10367              | 10381              | 10392              | 10393              | 10407              | 10992              | 11005              | 11016              | 11018              | 11031              | 11648              | 11664              | 11677              | 11679              | 11692              | 12350              | 12364              | 12377              | 12379              | 12395              |
|                  |                    | S/T       | 0.49               | 0.58               | 0.65               | 0.65               | 0.75               | 0.52               | 0.61               | 0.69               | 0.69               | 0.79               | 0.55               | 0.65               | 0.74               | 0.74               | 0.84               | 0.58               | 0.69               | 0.78               | 0.78               | 0.89               |
|                  |                    | PI        | 0.44               | 0.44               | 0.44               | 0.44               | 0.44               | 0.46               | 0.46               | 0.46               | 0.47               | 0.47               | 0.49               | 0.49               | 0.49               | 0.49               | 0.49               | 0.52               | 0.52               | 0.52               | 0.52               | 0.52               |
|                  | 35°F<br>(1.7°C)    | TC        | 10292              | 10306              | 10317              | 10318              | 10332              | 10913              | 10926              | 10936              | 10939              | 10952              | 11565              | 11580              | 11593              | 11595              | 11608              | 12261              | 12275              | 12288              | 12290              | 12305              |
|                  |                    | S/T       | 0.49               | 0.58               | 0.66               | 0.66               | 0.75               | 0.52               | 0.61               | 0.70               | 0.70               | 0.79               | 0.55               | 0.65               | 0.74               | 0.74               | 0.84               | 0.59               | 0.69               | 0.78               | 0.78               | 0.89               |
|                  |                    | PI        | 0.46               | 0.46               | 0.46               | 0.46               | 0.47               | 0.49               | 0.49               | 0.49               | 0.49               | 0.49               | 0.52               | 0.52               | 0.52               | 0.52               | 0.52               | 0.55               | 0.55               | 0.55               | 0.55               | 0.55               |
|                  | 41°F<br>(5.0°C)    | TC        | 10281              | 10295              | 10306              | 10306              | 10320              | 10900              | 10913              | 10924              | 10926              | 10939              | 11552              | 11567              | 11579              | 11582              | 11595              | 12248              | 12261              | 12274              | 12276              | 12291              |
|                  |                    | S/T       | 0.49               | 0.58               | 0.66               | 0.66               | 0.75               | 0.52               | 0.61               | 0.70               | 0.70               | 0.80               | 0.56               | 0.65               | 0.74               | 0.74               | 0.84               | 0.59               | 0.69               | 0.78               | 0.78               | 0.89               |
|                  |                    | PI        | 0.47               | 0.47               | 0.47               | 0.47               | 0.47               | 0.50               | 0.50               | 0.50               | 0.50               | 0.50               | 0.53               | 0.53               | 0.53               | 0.53               | 0.53               | 0.56               | 0.56               | 0.56               | 0.56               | 0.56               |
|                  | 47°F<br>(8.3°C)    | TC        | 10269              | 10283              | 10294              | 10294              | 10308              | 10888              | 10901              | 10912              | 10914              | 10927              | 11538              | 11553              | 11566              | 11568              | 11581              | 12234              | 12247              | 12260              | 12262              | 12277              |
|                  |                    | S/T       | 0.50               | 0.58               | 0.66               | 0.66               | 0.75               | 0.53               | 0.62               | 0.70               | 0.70               | 0.80               | 0.56               | 0.65               | 0.74               | 0.74               | 0.85               | 0.59               | 0.69               | 0.79               | 0.79               | 0.90               |
|                  |                    | PI        | 0.48               | 0.48               | 0.48               | 0.48               | 0.48               | 0.51               | 0.51               | 0.51               | 0.51               | 0.51               | 0.54               | 0.54               | 0.54               | 0.54               | 0.54               | 0.57               | 0.57               | 0.57               | 0.57               | 0.57               |
|                  | 50°F<br>(10.0°C)   | TC        | 10497              | 10512              | 10523              | 10523              | 10538              | 11130              | 11143              | 11154              | 11156              | 11170              | 11795              | 11810              | 11823              | 11826              | 11839              | 12506              | 12519              | 12533              | 12535              | 12550              |
|                  |                    | S/T       | 0.50               | 0.58               | 0.66               | 0.66               | 0.76               | 0.53               | 0.62               | 0.70               | 0.70               | 0.80               | 0.56               | 0.66               | 0.75               | 0.75               | 0.85               | 0.59               | 0.70               | 0.79               | 0.79               | 0.90               |
|                  |                    | PI        | 0.48               | 0.48               | 0.48               | 0.48               | 0.48               | 0.51               | 0.51               | 0.51               | 0.51               | 0.51               | 0.54               | 0.54               | 0.54               | 0.54               | 0.54               | 0.57               | 0.57               | 0.57               | 0.57               | 0.57               |
|                  | 59°F<br>(15.0°C)   | TC        | 11182              | 11197              | 11209              | 11210              | 11225              | 11856              | 11870              | 11882              | 11884              | 11898              | 12565              | 12581              | 12595              | 12597              | 12611              | 13322              | 13336              | 13351              | 13353              | 13369              |
|                  |                    | S/T       | 0.50               | 0.59               | 0.67               | 0.67               | 0.76               | 0.53               | 0.62               | 0.71               | 0.71               | 0.81               | 0.56               | 0.66               | 0.75               | 0.75               | 0.86               | 0.60               | 0.70               | 0.80               | 0.80               | 0.91               |
|                  |                    | PI        | 0.50               | 0.50               | 0.50               | 0.50               | 0.50               | 0.53               | 0.53               | 0.53               | 0.53               | 0.53               | 0.56               | 0.56               | 0.56               | 0.56               | 0.56               | 0.60               | 0.60               | 0.60               | 0.60               | 0.60               |
|                  | 68°F<br>(20.0°C)   | TC        | 11867              | 11883              | 11896              | 11896              | 11913              | 12582              | 12597              | 12610              | 12612              | 12627              | 13334              | 13351              | 13366              | 13369              | 13384              | 14138              | 14153              | 14168              | 14170              | 14188              |
|                  |                    | S/T       | 0.51               | 0.60               | 0.69               | 0.69               | 0.78               | 0.54               | 0.64               | 0.73               | 0.73               | 0.83               | 0.58               | 0.68               | 0.77               | 0.77               | 0.88               | 0.61               | 0.72               | 0.82               | 0.82               | 0.93               |
| PI               |                    | 0.52      | 0.52               | 0.52               | 0.52               | 0.52               | 0.55               | 0.55               | 0.55               | 0.55               | 0.55               | 0.58               | 0.58               | 0.58               | 0.58               | 0.58               | 0.62               | 0.62               | 0.62               | 0.62               | 0.62               |                    |
| 77°F<br>(25.0°C) | TC                 | 12552     | 12569              | 12583              | 12583              | 12600              | 13309              | 13324              | 13337              | 13340              | 13356              | 14104              | 14122              | 14138              | 14140              | 14156              | 14953              | 14970              | 14986              | 14988              | 15007              |                    |
|                  | S/T                | 0.52      | 0.61               | 0.69               | 0.69               | 0.79               | 0.55               | 0.65               | 0.74               | 0.74               | 0.84               | 0.59               | 0.69               | 0.78               | 0.78               | 0.89               | 0.62               | 0.73               | 0.83               | 0.83               | 0.94               |                    |
|                  | PI                 | 0.54      | 0.54               | 0.54               | 0.54               | 0.54               | 0.57               | 0.57               | 0.57               | 0.57               | 0.57               | 0.60               | 0.60               | 0.60               | 0.60               | 0.60               | 0.64               | 0.64               | 0.64               | 0.64               | 0.64               |                    |
| 82°F<br>(27.8°C) | TC                 | 12704     | 12721              | 12735              | 12736              | 12753              | 13470              | 13486              | 13499              | 13502              | 13518              | 14275              | 14293              | 14309              | 14312              | 14328              | 15135              | 15151              | 15168              | 15170              | 15189              |                    |
|                  | S/T                | 0.53      | 0.62               | 0.70               | 0.70               | 0.80               | 0.56               | 0.66               | 0.75               | 0.75               | 0.85               | 0.59               | 0.70               | 0.79               | 0.79               | 0.90               | 0.63               | 0.74               | 0.84               | 0.84               | 0.95               |                    |
|                  | PI                 | 0.60      | 0.60               | 0.61               | 0.61               | 0.61               | 0.64               | 0.64               | 0.64               | 0.64               | 0.64               | 0.68               | 0.68               | 0.68               | 0.68               | 0.68               | 0.72               | 0.72               | 0.72               | 0.72               | 0.72               |                    |
| 86°F<br>(30.0°C) | TC                 | 12538     | 12555              | 12568              | 12569              | 12586              | 13293              | 13309              | 13322              | 13325              | 13341              | 14088              | 14106              | 14122              | 14124              | 14140              | 14936              | 14953              | 14969              | 14971              | 14990              |                    |
|                  | S/T                | 0.53      | 0.63               | 0.71               | 0.71               | 0.81               | 0.57               | 0.66               | 0.75               | 0.75               | 0.86               | 0.60               | 0.70               | 0.80               | 0.80               | 0.91               | 0.64               | 0.75               | 0.85               | 0.85               | 0.97               |                    |
|                  | PI                 | 0.73      | 0.73               | 0.73               | 0.73               | 0.74               | 0.78               | 0.78               | 0.78               | 0.78               | 0.78               | 0.82               | 0.82               | 0.82               | 0.82               | 0.83               | 0.87               | 0.87               | 0.87               | 0.87               | 0.88               |                    |
| 95°F<br>(35.0°C) | TC                 | 12163     | 12180              | 12193              | 12193              | 12210              | 12897              | 12912              | 12925              | 12927              | 12942              | 13667              | 13685              | 137                |                    |                    |                    |                    |                    |                    |                    |                    |

**Table 24 — Console Heating Performance (9K)**

HEATING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 9 (Sheet 1 of 2)

| AIRFLOW (CFM) | OUTDOOR DB (°F) | TC: Total Heating Capacity (BTU/hr) |                  |                  |                    |                    | PI: Power Input (kW)      |                  |                  |                    |                    |
|---------------|-----------------|-------------------------------------|------------------|------------------|--------------------|--------------------|---------------------------|------------------|------------------|--------------------|--------------------|
|               |                 | Indoor Conditions (DB °F)           |                  |                  |                    |                    | Indoor Conditions (DB °F) |                  |                  |                    |                    |
|               |                 | 60.8°F<br>(16.0°C)                  | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) | 60.8°F<br>(16.0°C)        | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) |
| 188           | -22°F(-30.0°C)  | 3147                                | 3084             | 3069             | 3224               | 3195               | 1.28                      | 1.30             | 1.30             | 1.30               | 1.31               |
|               | -13°F(-25.0°C)  | 4108                                | 4026             | 4006             | 4047               | 4010               | 1.36                      | 1.37             | 1.38             | 1.38               | 1.38               |
|               | -4°F(-20.0°C)   | 5640                                | 5528             | 5500             | 5556               | 5506               | 1.45                      | 1.46             | 1.47             | 1.47               | 1.48               |
|               | 0°F(-17.8°C)    | 6631                                | 6498             | 6466             | 6531               | 6472               | 1.58                      | 1.59             | 1.59             | 1.59               | 1.60               |
|               | 5°F(-15.0°C)    | 7869                                | 7711             | 7673             | 7751               | 7681               | 1.73                      | 1.74             | 1.75             | 1.75               | 1.76               |
|               | 14°F(-10.0°C)   | 8339                                | 8172             | 8131             | 8214               | 8140               | 1.62                      | 1.63             | 1.64             | 1.64               | 1.65               |
|               | 17°F(-8.3°C)    | 8495                                | 8325             | 8284             | 8368               | 8293               | 1.58                      | 1.60             | 1.60             | 1.60               | 1.61               |
|               | 22°F(-5.6°C)    | 9063                                | 8881             | 8837             | 8927               | 8846               | 1.61                      | 1.62             | 1.62             | 1.62               | 1.63               |
|               | 27°F(-2.8°C)    | 9630                                | 9437             | 9390             | 9486               | 9400               | 1.63                      | 1.64             | 1.64             | 1.65               | 1.65               |
|               | 32°F(0.0°C)     | 10197                               | 9993             | 9943             | 10044              | 9954               | 1.65                      | 1.66             | 1.67             | 1.67               | 1.68               |
|               | 35°F(1.7°C)     | 10538                               | 10327            | 10275            | 10380              | 10286              | 1.66                      | 1.68             | 1.68             | 1.68               | 1.69               |
|               | 37°F(2.8°C)     | 10673                               | 10460            | 10407            | 10513              | 10419              | 1.60                      | 1.62             | 1.62             | 1.62               | 1.63               |
|               | 42°F(5.6°C)     | 11012                               | 10792            | 10738            | 10847              | 10749              | 1.45                      | 1.46             | 1.46             | 1.47               | 1.47               |
|               | 44.6°F(7.0°C)   | 11147                               | 10924            | 10870            | 10980              | 10881              | 1.39                      | 1.40             | 1.40             | 1.41               | 1.41               |
|               | 47°F(8.3°C)     | 11350                               | 11123            | 11068            | 11180              | 11079              | 1.30                      | 1.31             | 1.31             | 1.31               | 1.32               |
|               | 52°F(11.1°C)    | 10984                               | 10764            | 10710            | 10819              | 10722              | 1.15                      | 1.16             | 1.16             | 1.16               | 1.16               |
|               | 57°F(13.9°C)    | 10618                               | 10405            | 10353            | 10458              | 10364              | 1.00                      | 1.00             | 1.01             | 1.01               | 1.01               |
|               | 59°F(15.0°C)    | 10471                               | 10262            | 10210            | 10314              | 10221              | 0.94                      | 0.94             | 0.94             | 0.95               | 0.95               |
|               | 62°F(16.7°C)    | 10251                               | 10046            | 9996             | 10097              | 10007              | 0.85                      | 0.85             | 0.85             | 0.86               | 0.86               |
|               | 64.4°F(18.0°C)  | 10105                               | 9903             | 9853             | 9953               | 9864               | 0.78                      | 0.79             | 0.79             | 0.79               | 0.80               |
| 324           | -22°F(-30.0°C)  | 3651                                | 3578             | 3560             | 3642               | 3609               | 1.30                      | 1.31             | 1.31             | 1.31               | 1.32               |
|               | -13°F(-25.0°C)  | 4674                                | 4581             | 4558             | 4572               | 4531               | 1.38                      | 1.39             | 1.39             | 1.39               | 1.40               |
|               | -4°F(-20.0°C)   | 6417                                | 6289             | 6257             | 6277               | 6220               | 1.47                      | 1.48             | 1.48             | 1.48               | 1.49               |
|               | 0°F(-17.8°C)    | 7544                                | 7393             | 7356             | 7379               | 7312               | 1.59                      | 1.60             | 1.61             | 1.61               | 1.62               |
|               | 5°F(-15.0°C)    | 8952                                | 8773             | 8730             | 8756               | 8677               | 1.75                      | 1.76             | 1.76             | 1.77               | 1.77               |
|               | 14°F(-10.0°C)   | 9487                                | 9297             | 9251             | 9279               | 9196               | 1.64                      | 1.65             | 1.65             | 1.66               | 1.66               |
|               | 17°F(-8.3°C)    | 9665                                | 9472             | 9425             | 9454               | 9368               | 1.60                      | 1.61             | 1.61             | 1.62               | 1.62               |
|               | 22°F(-5.6°C)    | 10311                               | 10105            | 10054            | 10085              | 9994               | 1.62                      | 1.63             | 1.64             | 1.64               | 1.65               |
|               | 27°F(-2.8°C)    | 10956                               | 10737            | 10684            | 10716              | 10620              | 1.64                      | 1.66             | 1.66             | 1.66               | 1.67               |
|               | 32°F(0.0°C)     | 11602                               | 11370            | 11313            | 11348              | 11246              | 1.67                      | 1.68             | 1.68             | 1.69               | 1.69               |
|               | 35°F(1.7°C)     | 11989                               | 11750            | 11691            | 11726              | 11621              | 1.68                      | 1.69             | 1.70             | 1.70               | 1.71               |
|               | 37°F(2.8°C)     | 12143                               | 11901            | 11841            | 11877              | 11770              | 1.62                      | 1.63             | 1.64             | 1.64               | 1.65               |
|               | 42°F(5.6°C)     | 12529                               | 12278            | 12217            | 12254              | 12144              | 1.46                      | 1.48             | 1.48             | 1.48               | 1.49               |
|               | 44.6°F(7.0°C)   | 12683                               | 12429            | 12367            | 12405              | 12293              | 1.40                      | 1.41             | 1.42             | 1.42               | 1.43               |
|               | 47°F(8.3°C)     | 12914                               | 12655            | 12592            | 12631              | 12517              | 1.31                      | 1.32             | 1.32             | 1.33               | 1.33               |
|               | 52°F(11.1°C)    | 12497                               | 12247            | 12186            | 12223              | 12113              | 1.16                      | 1.17             | 1.17             | 1.17               | 1.18               |
|               | 57°F(13.9°C)    | 12080                               | 11838            | 11779            | 11815              | 11709              | 1.01                      | 1.01             | 1.02             | 1.02               | 1.02               |
|               | 59°F(15.0°C)    | 11913                               | 11675            | 11617            | 11652              | 11547              | 0.94                      | 0.95             | 0.95             | 0.96               | 0.96               |
|               | 62°F(16.7°C)    | 11663                               | 11430            | 11373            | 11408              | 11305              | 0.85                      | 0.86             | 0.86             | 0.86               | 0.87               |
|               | 64.4°F(18.0°C)  | 11497                               | 11267            | 11210            | 11244              | 11143              | 0.79                      | 0.80             | 0.80             | 0.80               | 0.81               |
| 376           | -22°F(-30.0°C)  | 4236                                | 4152             | 4131             | 4114               | 4077               | 1.31                      | 1.32             | 1.32             | 1.33               | 1.33               |
|               | -13°F(-25.0°C)  | 5318                                | 5212             | 5186             | 5165               | 5118               | 1.39                      | 1.40             | 1.40             | 1.41               | 1.41               |
|               | -4°F(-20.0°C)   | 7301                                | 7155             | 7119             | 7091               | 7027               | 1.48                      | 1.49             | 1.50             | 1.50               | 1.51               |
|               | 0°F(-17.8°C)    | 8583                                | 8411             | 8369             | 8336               | 8261               | 1.61                      | 1.62             | 1.62             | 1.63               | 1.63               |
|               | 5°F(-15.0°C)    | 10186                               | 9982             | 9932             | 9892               | 9803               | 1.76                      | 1.78             | 1.78             | 1.79               | 1.79               |
|               | 14°F(-10.0°C)   | 10794                               | 10578            | 10525            | 10483              | 10389              | 1.65                      | 1.67             | 1.67             | 1.67               | 1.68               |
|               | 17°F(-8.3°C)    | 10997                               | 10777            | 10723            | 10680              | 10584              | 1.61                      | 1.63             | 1.63             | 1.63               | 1.64               |
|               | 22°F(-5.6°C)    | 11731                               | 11497            | 11439            | 11393              | 11291              | 1.64                      | 1.65             | 1.65             | 1.66               | 1.66               |
|               | 27°F(-2.8°C)    | 12466                               | 12216            | 12155            | 12107              | 11998              | 1.66                      | 1.67             | 1.68             | 1.68               | 1.69               |
|               | 32°F(0.0°C)     | 13200                               | 12936            | 12871            | 12820              | 12705              | 1.68                      | 1.70             | 1.70             | 1.70               | 1.71               |
|               | 35°F(1.7°C)     | 13641                               | 13368            | 13301            | 13248              | 13129              | 1.70                      | 1.71             | 1.72             | 1.72               | 1.73               |
|               | 37°F(2.8°C)     | 13816                               | 13540            | 13472            | 13418              | 13297              | 1.64                      | 1.65             | 1.65             | 1.66               | 1.66               |
|               | 42°F(5.6°C)     | 14254                               | 13969            | 13899            | 13844              | 13719              | 1.48                      | 1.49             | 1.49             | 1.50               | 1.50               |
|               | 44.6°F(7.0°C)   | 14430                               | 14141            | 14070            | 14014              | 13888              | 1.42                      | 1.43             | 1.43             | 1.43               | 1.44               |
|               | 47°F(8.3°C)     | 14692                               | 14399            | 14327            | 14269              | 14141              | 1.32                      | 1.33             | 1.34             | 1.34               | 1.34               |
|               | 52°F(11.1°C)    | 14218                               | 13934            | 13864            | 13809              | 13684              | 1.17                      | 1.18             | 1.18             | 1.18               | 1.19               |
|               | 57°F(13.9°C)    | 13744                               | 13469            | 13402            | 13348              | 13228              | 1.02                      | 1.02             | 1.03             | 1.03               | 1.03               |
|               | 59°F(15.0°C)    | 13554                               | 13283            | 13217            | 13164              | 13045              | 0.95                      | 0.96             | 0.96             | 0.97               | 0.97               |
|               | 62°F(16.7°C)    | 13270                               | 13004            | 12939            | 12888              | 12772              | 0.86                      | 0.87             | 0.87             | 0.87               | 0.88               |
|               | 64.4°F(18.0°C)  | 13080                               | 12819            | 12754            | 12703              | 12589              | 0.80                      | 0.81             | 0.81             | 0.81               | 0.81               |

## HEATING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 9 (Sheet 2 of 2)

| AIRFLOW (CFM) | OUTDOOR DB (°F) | TC: Total Heating Capacity (BTU/hr) |                  |                  |                    |                    | PI: Power Input (kW)      |                  |                  |                    |                    |
|---------------|-----------------|-------------------------------------|------------------|------------------|--------------------|--------------------|---------------------------|------------------|------------------|--------------------|--------------------|
|               |                 | Indoor Conditions (DB °F)           |                  |                  |                    |                    | Indoor Conditions (DB °F) |                  |                  |                    |                    |
|               |                 | 60.8°F<br>(16.0°C)                  | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) | 60.8°F<br>(16.0°C)        | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) |
| 441           | -22°F(-30.0°C)  | 4820                                | 4724             | 4700             | 4681               | 4639               | 1.32                      | 1.33             | 1.34             | 1.34               | 1.35               |
|               | -13°F(-25.0°C)  | 6051                                | 5930             | 5900             | 5876               | 5824               | 1.40                      | 1.41             | 1.42             | 1.42               | 1.43               |
|               | -4°F(-20.0°C)   | 8307                                | 8141             | 8100             | 8068               | 7995               | 1.50                      | 1.51             | 1.51             | 1.52               | 1.52               |
|               | 0°F(-17.8°C)    | 9765                                | 9570             | 9522             | 9484               | 9399               | 1.62                      | 1.64             | 1.64             | 1.64               | 1.65               |
|               | 5°F(-15.0°C)    | 11589                               | 11357            | 11300            | 11255              | 11154              | 1.78                      | 1.80             | 1.80             | 1.80               | 1.81               |
|               | 14°F(-10.0°C)   | 12281                               | 12035            | 11975            | 11927              | 11820              | 1.67                      | 1.68             | 1.69             | 1.69               | 1.70               |
|               | 17°F(-8.3°C)    | 12512                               | 12261            | 12200            | 12151              | 12042              | 1.63                      | 1.64             | 1.65             | 1.65               | 1.66               |
|               | 22°F(-5.6°C)    | 13347                               | 13080            | 13015            | 12963              | 12846              | 1.65                      | 1.67             | 1.67             | 1.67               | 1.68               |
|               | 27°F(-2.8°C)    | 14183                               | 13899            | 13830            | 13774              | 13650              | 1.68                      | 1.69             | 1.69             | 1.70               | 1.71               |
|               | 32°F(0.0°C)     | 15018                               | 14718            | 14644            | 14586              | 14455              | 1.70                      | 1.71             | 1.72             | 1.72               | 1.73               |
|               | 35°F(1.7°C)     | 15520                               | 15209            | 15133            | 15073              | 14937              | 1.72                      | 1.73             | 1.73             | 1.74               | 1.74               |
|               | 37°F(2.8°C)     | 15719                               | 15405            | 15328            | 15266              | 15129              | 1.65                      | 1.67             | 1.67             | 1.67               | 1.68               |
|               | 42°F(5.6°C)     | 16218                               | 15893            | 15814            | 15751              | 15609              | 1.49                      | 1.51             | 1.51             | 1.51               | 1.52               |
|               | 44.6°F(7.0°C)   | 16417                               | 16089            | 16008            | 15944              | 15801              | 1.43                      | 1.44             | 1.45             | 1.45               | 1.45               |
|               | 47°F(8.3°C)     | 16716                               | 16382            | 16300            | 16235              | 16089              | 1.34                      | 1.35             | 1.35             | 1.35               | 1.36               |
|               | 52°F(11.1°C)    | 16177                               | 15853            | 15774            | 15711              | 15569              | 1.18                      | 1.19             | 1.19             | 1.20               | 1.20               |
|               | 57°F(13.9°C)    | 15637                               | 15324            | 15248            | 15187              | 15050              | 1.03                      | 1.03             | 1.04             | 1.04               | 1.04               |
|               | 59°F(15.0°C)    | 15421                               | 15113            | 15037            | 14977              | 14842              | 0.96                      | 0.97             | 0.97             | 0.98               | 0.98               |
|               | 62°F(16.7°C)    | 15098                               | 14796            | 14722            | 14663              | 14531              | 0.87                      | 0.88             | 0.88             | 0.88               | 0.89               |
|               | 64.4°F(18.0°C)  | 14882                               | 14584            | 14511            | 14453              | 14323              | 0.81                      | 0.82             | 0.82             | 0.82               | 0.82               |

**Table 25 — Console Cooling Performance (12K)**

COOLING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 12 (Sheet 1 of 4)

| AIRFLOW<br>(CFM) | OUTDOOR<br>DB (°F) | ID WB<br>(°F) | 60.8°F(16.0°C) |                    |                    |                    |                    | 64.4°F(18.0°C)     |                    |                    |                    |                    | 67°F(19.4°C)       |                    |                    |                    |                    | 71.6°F(22.0°C)     |                    |                    |                    |                    |
|------------------|--------------------|---------------|----------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                  |                    |               | ID DB<br>(°F)  | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) |
| 188              | -22°F<br>(-30.0°C) | TC            | 5691           | 5698               | 5705               | 5705               | 5713               | 6034               | 6041               | 6047               | 6048               | 6055               | 6394               | 6403               | 6410               | 6411               | 6418               | 6780               | 6787               | 6794               | 6795               | 6804               |
|                  |                    | S/T           | 0.32           | 0.38               | 0.43               | 0.43               | 0.49               | 0.34               | 0.40               | 0.46               | 0.46               | 0.52               | 0.36               | 0.43               | 0.48               | 0.48               | 0.55               | 0.38               | 0.45               | 0.51               | 0.51               | 0.59               |
|                  |                    | PI            | 0.31           | 0.31               | 0.31               | 0.31               | 0.31               | 0.33               | 0.33               | 0.33               | 0.33               | 0.33               | 0.35               | 0.35               | 0.35               | 0.35               | 0.35               | 0.37               | 0.37               | 0.37               | 0.37               | 0.37               |
|                  | -13°F<br>(-25.0°C) | TC            | 6165           | 6173               | 6180               | 6180               | 6189               | 6537               | 6544               | 6551               | 6552               | 6560               | 6927               | 6936               | 6944               | 6945               | 6953               | 7345               | 7353               | 7361               | 7362               | 7371               |
|                  |                    | S/T           | 0.33           | 0.38               | 0.43               | 0.43               | 0.49               | 0.34               | 0.40               | 0.46               | 0.46               | 0.52               | 0.37               | 0.43               | 0.49               | 0.49               | 0.56               | 0.39               | 0.45               | 0.52               | 0.52               | 0.59               |
|                  |                    | PI            | 0.33           | 0.33               | 0.33               | 0.33               | 0.34               | 0.35               | 0.35               | 0.35               | 0.35               | 0.36               | 0.38               | 0.38               | 0.38               | 0.38               | 0.38               | 0.40               | 0.40               | 0.40               | 0.40               | 0.40               |
|                  | -4°F<br>(-20.0°C)  | TC            | 6639           | 6648               | 6655               | 6656               | 6665               | 7039               | 7048               | 7055               | 7056               | 7065               | 7460               | 7470               | 7478               | 7479               | 7488               | 7909               | 7918               | 7927               | 7928               | 7938               |
|                  |                    | S/T           | 0.33           | 0.38               | 0.44               | 0.44               | 0.50               | 0.35               | 0.41               | 0.46               | 0.46               | 0.53               | 0.37               | 0.43               | 0.49               | 0.49               | 0.56               | 0.39               | 0.46               | 0.52               | 0.52               | 0.59               |
|                  |                    | PI            | 0.36           | 0.36               | 0.36               | 0.36               | 0.36               | 0.38               | 0.38               | 0.38               | 0.38               | 0.38               | 0.40               | 0.40               | 0.41               | 0.41               | 0.41               | 0.43               | 0.43               | 0.43               | 0.43               | 0.43               |
|                  | 0°F<br>(-17.8°C)   | TC            | 6850           | 6859               | 6867               | 6867               | 6876               | 7263               | 7272               | 7279               | 7280               | 7289               | 7697               | 7707               | 7715               | 7717               | 7725               | 8161               | 8169               | 8178               | 8180               | 8190               |
|                  |                    | S/T           | 0.33           | 0.39               | 0.44               | 0.44               | 0.50               | 0.35               | 0.41               | 0.46               | 0.46               | 0.53               | 0.37               | 0.43               | 0.49               | 0.49               | 0.56               | 0.39               | 0.46               | 0.52               | 0.52               | 0.59               |
|                  |                    | PI            | 0.37           | 0.37               | 0.37               | 0.37               | 0.37               | 0.39               | 0.39               | 0.39               | 0.39               | 0.39               | 0.42               | 0.42               | 0.42               | 0.42               | 0.42               | 0.44               | 0.44               | 0.44               | 0.44               | 0.44               |
|                  | 5°F<br>(-15.0°C)   | TC            | 7114           | 7123               | 7131               | 7131               | 7141               | 7542               | 7551               | 7559               | 7560               | 7569               | 7993               | 8003               | 8012               | 8014               | 8023               | 8474               | 8484               | 8493               | 8494               | 8505               |
|                  |                    | S/T           | 0.33           | 0.39               | 0.44               | 0.44               | 0.50               | 0.35               | 0.41               | 0.47               | 0.47               | 0.53               | 0.37               | 0.43               | 0.49               | 0.49               | 0.56               | 0.39               | 0.46               | 0.52               | 0.52               | 0.60               |
|                  |                    | PI            | 0.39           | 0.39               | 0.39               | 0.39               | 0.39               | 0.41               | 0.41               | 0.41               | 0.41               | 0.41               | 0.43               | 0.43               | 0.43               | 0.43               | 0.43               | 0.46               | 0.46               | 0.46               | 0.46               | 0.46               |
|                  | 14°F<br>(-10.0°C)  | TC            | 7213           | 7223               | 7231               | 7231               | 7241               | 7648               | 7657               | 7665               | 7666               | 7675               | 8105               | 8115               | 8124               | 8126               | 8135               | 8593               | 8603               | 8612               | 8613               | 8624               |
|                  |                    | S/T           | 0.33           | 0.39               | 0.44               | 0.44               | 0.50               | 0.35               | 0.41               | 0.47               | 0.47               | 0.53               | 0.37               | 0.44               | 0.50               | 0.50               | 0.56               | 0.39               | 0.46               | 0.52               | 0.52               | 0.60               |
|                  |                    | PI            | 0.41           | 0.41               | 0.41               | 0.41               | 0.41               | 0.43               | 0.43               | 0.43               | 0.43               | 0.43               | 0.46               | 0.46               | 0.46               | 0.46               | 0.46               | 0.48               | 0.49               | 0.49               | 0.49               | 0.49               |
|                  | 17°F<br>(-8.3°C)   | TC            | 7246           | 7256               | 7264               | 7264               | 7274               | 7683               | 7692               | 7700               | 7701               | 7711               | 8142               | 8153               | 8162               | 8163               | 8172               | 8633               | 8642               | 8652               | 8653               | 8664               |
|                  |                    | S/T           | 0.33           | 0.39               | 0.44               | 0.44               | 0.50               | 0.35               | 0.41               | 0.47               | 0.47               | 0.53               | 0.37               | 0.44               | 0.50               | 0.50               | 0.57               | 0.39               | 0.46               | 0.53               | 0.53               | 0.60               |
|                  |                    | PI            | 0.41           | 0.41               | 0.42               | 0.42               | 0.42               | 0.44               | 0.44               | 0.44               | 0.44               | 0.44               | 0.47               | 0.47               | 0.47               | 0.47               | 0.47               | 0.49               | 0.49               | 0.49               | 0.49               | 0.50               |
|                  | 23°F<br>(-5.0°C)   | TC            | 7380           | 7390               | 7398               | 7398               | 7408               | 7824               | 7834               | 7842               | 7843               | 7852               | 8292               | 8303               | 8312               | 8314               | 8323               | 8792               | 8801               | 8811               | 8812               | 8823               |
|                  |                    | S/T           | 0.33           | 0.39               | 0.44               | 0.44               | 0.51               | 0.35               | 0.41               | 0.47               | 0.47               | 0.54               | 0.37               | 0.44               | 0.50               | 0.50               | 0.57               | 0.40               | 0.47               | 0.53               | 0.53               | 0.60               |
|                  |                    | PI            | 0.40           | 0.40               | 0.41               | 0.41               | 0.41               | 0.43               | 0.43               | 0.43               | 0.43               | 0.43               | 0.45               | 0.45               | 0.46               | 0.46               | 0.46               | 0.48               | 0.48               | 0.48               | 0.48               | 0.48               |
|                  | 35°F<br>(1.7°C)    | TC            | 7646           | 7657               | 7665               | 7665               | 7676               | 8107               | 8117               | 8125               | 8126               | 8136               | 8591               | 8603               | 8612               | 8614               | 8623               | 9109               | 9119               | 9129               | 9130               | 9142               |
|                  |                    | S/T           | 0.33           | 0.39               | 0.45               | 0.45               | 0.51               | 0.35               | 0.42               | 0.47               | 0.47               | 0.54               | 0.38               | 0.44               | 0.50               | 0.50               | 0.57               | 0.40               | 0.47               | 0.53               | 0.53               | 0.61               |
|                  |                    | PI            | 0.39           | 0.39               | 0.39               | 0.39               | 0.39               | 0.41               | 0.41               | 0.41               | 0.41               | 0.41               | 0.43               | 0.43               | 0.43               | 0.43               | 0.43               | 0.46               | 0.46               | 0.46               | 0.46               | 0.46               |
|                  | 41°F<br>(5.0°C)    | TC            | 7454           | 7464               | 7472               | 7473               | 7483               | 7903               | 7913               | 7921               | 7922               | 7931               | 8376               | 8386               | 8396               | 8397               | 8407               | 8880               | 8890               | 8899               | 8901               | 8912               |
|                  |                    | S/T           | 0.34           | 0.39               | 0.45               | 0.45               | 0.51               | 0.36               | 0.42               | 0.47               | 0.47               | 0.54               | 0.38               | 0.44               | 0.50               | 0.50               | 0.57               | 0.40               | 0.47               | 0.53               | 0.53               | 0.61               |
|                  |                    | PI            | 0.37           | 0.37               | 0.37               | 0.37               | 0.37               | 0.39               | 0.39               | 0.39               | 0.39               | 0.39               | 0.42               | 0.42               | 0.42               | 0.42               | 0.42               | 0.44               | 0.44               | 0.44               | 0.44               | 0.44               |
|                  | 47°F<br>(8.3°C)    | TC            | 7262           | 7272               | 7279               | 7280               | 7290               | 7700               | 7709               | 7716               | 7718               | 7727               | 8160               | 8170               | 8179               | 8181               | 8190               | 8651               | 8661               | 8670               | 8671               | 8682               |
|                  |                    | S/T           | 0.34           | 0.39               | 0.45               | 0.45               | 0.51               | 0.36               | 0.42               | 0.48               | 0.48               | 0.54               | 0.38               | 0.44               | 0.50               | 0.50               | 0.57               | 0.40               | 0.47               | 0.53               | 0.53               | 0.61               |
|                  |                    | PI            | 0.36           | 0.36               | 0.36               | 0.36               | 0.36               | 0.38               | 0.38               | 0.38               | 0.38               | 0.38               | 0.40               | 0.40               | 0.40               | 0.40               | 0.40               | 0.43               | 0.43               | 0.43               | 0.43               | 0.43               |
|                  | 50°F<br>(10.0°C)   | TC            | 7402           | 7412               | 7420               | 7420               | 7430               | 7848               | 7857               | 7865               | 7866               | 7876               | 8317               | 8327               | 8337               | 8338               | 8347               | 8818               | 8827               | 8837               | 8838               | 8849               |
|                  |                    | S/T           | 0.34           | 0.40               | 0.45               | 0.45               | 0.51               | 0.36               | 0.42               | 0.48               | 0.48               | 0.54               | 0.38               | 0.45               | 0.51               | 0.51               | 0.58               | 0.40               | 0.47               | 0.54               | 0.54               | 0.61               |
|                  |                    | PI            | 0.36           | 0.36               | 0.36               | 0.36               | 0.36               | 0.38               | 0.38               | 0.38               | 0.38               | 0.38               | 0.41               | 0.41               | 0.41               | 0.41               | 0.41               | 0.43               | 0.43               | 0.43               | 0.43               | 0.43               |
|                  | 59°F<br>(15.0°C)   | TC            | 7821           | 7831               | 7840               | 7840               | 7851               | 8292               | 8302               | 8310               | 8312               | 8322               | 8787               | 8799               | 8809               | 8810               | 8820               | 9317               | 9327               | 9337               | 9339               | 9350               |
|                  |                    | S/T           | 0.34           | 0.40               | 0.45               | 0.45               | 0.52               | 0.36               | 0.42               | 0.48               | 0.48               | 0.55               | 0.38               | 0.45               | 0.51               | 0.51               | 0.58               | 0.40               | 0.48               | 0.54               | 0.54               | 0.62               |
|                  |                    | PI            | 0.37           | 0.37               | 0.37               | 0.37               | 0.37               | 0.39               | 0.39               | 0.40               | 0.40               | 0.40               | 0.42               | 0.42               | 0.42               | 0.42               | 0.42               | 0.44               | 0.44               | 0.44               | 0.44               | 0.44               |
|                  | 68°F<br>(20.0°C)   | TC            | 8240           | 8251               | 8260               | 8260               | 8271               | 8736               | 8747               | 8755               | 8757               | 8768               | 9258               | 9270               | 9281               | 9282               | 9293               | 9816               | 9827               | 9838               | 9839               | 9851               |
|                  |                    | S/T           | 0.35           | 0.41               | 0.47               | 0.47               | 0.53               | 0.37               | 0.43               | 0.49               | 0.49               | 0.56               | 0.39               | 0.46               | 0.52               | 0.52               | 0.60               | 0.42               | 0.49               | 0.55               | 0.55               | 0.63               |
|                  |                    | PI            | 0.38           | 0.38               | 0.38               | 0.38               | 0.38               | 0.41               | 0.41               | 0.41               | 0.41               | 0.41               | 0.43               | 0.43               | 0.43               | 0.43               | 0.43               | 0.46               | 0.46               | 0.46               | 0.46               | 0.46               |
|                  | 77°F<br>(25.0°C)   | TC            | 8659           | 8671               | 8680               | 8680               | 8692               | 9181               | 9192               | 9201               | 9203               | 9214               | 9729               | 9742               | 9753               | 9755               | 9766               | 10316              | 10327              | 10338              | 10340              | 10353              |
|                  |                    | S/T           | 0.35           | 0.41               | 0.47               | 0.47               | 0.54               | 0.37               | 0.44               | 0.50               | 0.50               | 0.57               | 0.40               | 0.47               | 0.53               | 0.53               | 0.60               | 0.42               | 0.49               | 0.56               | 0.56               | 0.64               |
|                  |                    | PI            | 0.39           | 0.39               | 0.40               | 0.40               | 0.40               | 0.42               | 0.42               | 0.42               | 0.42               | 0.42               | 0.44               | 0.44               | 0.44               | 0.44               | 0.44               | 0.47               | 0.47               | 0.47               | 0.47               | 0.47               |
|                  | 82°F<br>(27.8°C)   | TC            | 8755           | 8766               | 8776               | 8776               | 8788               | 9282               | 9293               | 9302               | 9304               | 9315               | 9837               | 9849               | 9860               | 9862               | 9873               | 10429              | 10441              | 10452              | 10454              | 10467              |
|                  |                    | S/T           | 0.36           | 0.42               | 0.48               | 0.48               | 0.54               | 0.38               | 0.45               | 0.51               | 0.51               | 0.58               | 0.40               | 0.47               | 0.54               | 0.54               | 0.61               | 0.43               | 0.50               | 0.57               | 0.57               | 0.65               |
|                  |                    | PI            | 0.44           | 0.44               | 0.44               | 0.44               | 0.44               | 0.46               | 0.46               | 0.46               | 0.46               | 0.46               | 0.49               | 0.49               | 0.49               | 0.49               | 0.49               | 0.52               | 0.52               | 0.52               | 0.52               | 0.52               |
|                  | 86°F<br>(30.0°C)   | TC            | 8658           | 8669               | 8679               | 8679               | 8691               | 9179               | 9190               | 9199               | 9201               | 9212               | 9728               | 9741               | 9751               | 9753               | 9764               | 10314              | 10325              | 10336              | 10338              | 10351              |
|                  |                    | S/T           | 0.36           | 0.43               | 0.48               | 0.48               | 0.55               | 0.38               | 0.45               | 0.51               | 0.51               | 0.58               | 0.41               | 0.48               | 0.54               | 0.54               | 0.62               | 0.43               | 0.51               | 0.58               | 0.58               | 0.66               |
|                  |                    | PI            | 0.52           | 0.52               | 0.52               | 0.52               | 0.52               | 0.55               | 0.55               | 0.55               | 0.55               | 0.55               | 0.58               | 0.58               | 0.58               | 0.58               | 0.58               | 0.61               | 0.61               | 0.62               | 0.62               | 0.62               |
|                  | 95°F<br>(35.0°C)   | TC            | 8440           | 8451               | 8460               | 8461               | 8472               | 8948               | 8959               | 8968               | 8970               | 8980               | 9483               | 9495               | 9506               | 9508               | 9518               | 10054              | 10065              | 10076              | 10078              | 10090              |
|                  |                    | S/T           | 0.36           | 0.43               | 0.48               | 0.48               | 0.55               | 0.38               | 0.45               | 0.51               | 0.51               | 0.58               | 0.41               | 0.48               | 0.54               | 0.54               | 0.62               | 0.43               |                    |                    |                    |                    |

## COOLING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 12 (Sheet 2 of 4)

| AIRFLOW<br>(CFM) | OUTDOOR<br>DB (°F) | ID WB<br>(°F) | 60.8°F(16.0°C) |                    |                    |                    |                    | 64.4°F(18.0°C)     |                    |                    |                    |                    | 67°F(19.4°C)       |                    |                    |                    |                    | 71.6°F(22.0°C)     |                    |                    |                    |                    |                    |
|------------------|--------------------|---------------|----------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                  |                    |               | ID DB<br>(°F)  | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) |
|                  |                    |               |                |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |
| 324              | -22°F<br>(-30.0°C) | TC            | 6475           | 6483               | 6490               | 6491               | 6499               | 6865               | 6873               | 6880               | 6881               | 6889               | 7275               | 7285               | 7293               | 7294               | 7302               | 7713               | 7722               | 7730               | 7731               | 7741               |                    |
|                  |                    | S/T           | 0.37           | 0.43               | 0.49               | 0.49               | 0.56               | 0.39               | 0.46               | 0.52               | 0.52               | 0.59               | 0.41               | 0.48               | 0.55               | 0.55               | 0.63               | 0.44               | 0.51               | 0.58               | 0.58               | 0.67               |                    |
|                  |                    | PI            | 0.35           | 0.35               | 0.35               | 0.35               | 0.35               | 0.37               | 0.37               | 0.37               | 0.37               | 0.37               | 0.39               | 0.39               | 0.40               | 0.40               | 0.40               | 0.42               | 0.42               | 0.42               | 0.42               | 0.42               |                    |
|                  | -13°F<br>(-25.0°C) | TC            | 7014           | 7024               | 7031               | 7032               | 7041               | 7437               | 7446               | 7453               | 7455               | 7463               | 7881               | 7892               | 7900               | 7902               | 7911               | 8356               | 8365               | 8374               | 8376               | 8386               |                    |
|                  |                    | S/T           | 0.37           | 0.43               | 0.49               | 0.49               | 0.56               | 0.39               | 0.46               | 0.52               | 0.52               | 0.60               | 0.42               | 0.49               | 0.55               | 0.55               | 0.63               | 0.44               | 0.52               | 0.59               | 0.59               | 0.67               |                    |
|                  |                    | PI            | 0.38           | 0.38               | 0.38               | 0.38               | 0.38               | 0.40               | 0.40               | 0.40               | 0.40               | 0.40               | 0.43               | 0.43               | 0.43               | 0.43               | 0.43               | 0.45               | 0.45               | 0.45               | 0.45               | 0.45               |                    |
|                  | -4°F<br>(-20.0°C)  | TC            | 7554           | 7564               | 7572               | 7572               | 7583               | 8009               | 8019               | 8026               | 8028               | 8038               | 8488               | 8499               | 8508               | 8510               | 8519               | 8999               | 9009               | 9019               | 9020               | 9031               |                    |
|                  |                    | S/T           | 0.37           | 0.44               | 0.50               | 0.50               | 0.57               | 0.39               | 0.46               | 0.53               | 0.53               | 0.60               | 0.42               | 0.49               | 0.56               | 0.56               | 0.64               | 0.44               | 0.52               | 0.59               | 0.59               | 0.67               |                    |
|                  |                    | PI            | 0.41           | 0.41               | 0.41               | 0.41               | 0.41               | 0.43               | 0.43               | 0.43               | 0.43               | 0.44               | 0.46               | 0.46               | 0.46               | 0.46               | 0.46               | 0.49               | 0.49               | 0.49               | 0.49               | 0.49               |                    |
|                  | 0°F<br>(-17.8°C)   | TC            | 7794           | 7804               | 7813               | 7813               | 7823               | 8263               | 8273               | 8281               | 8283               | 8293               | 8757               | 8768               | 8778               | 8780               | 8790               | 9285               | 9295               | 9305               | 9306               | 9318               |                    |
|                  |                    | S/T           | 0.37           | 0.44               | 0.50               | 0.50               | 0.57               | 0.40               | 0.46               | 0.53               | 0.53               | 0.60               | 0.42               | 0.49               | 0.56               | 0.56               | 0.64               | 0.44               | 0.52               | 0.59               | 0.59               | 0.68               |                    |
|                  |                    | PI            | 0.42           | 0.42               | 0.42               | 0.42               | 0.42               | 0.45               | 0.45               | 0.45               | 0.45               | 0.45               | 0.47               | 0.48               | 0.48               | 0.48               | 0.48               | 0.50               | 0.50               | 0.50               | 0.50               | 0.50               |                    |
|                  | 5°F<br>(-15.0°C)   | TC            | 8093           | 8104               | 8113               | 8113               | 8124               | 8581               | 8591               | 8600               | 8601               | 8612               | 9094               | 9106               | 9116               | 9117               | 9128               | 9642               | 9652               | 9663               | 9664               | 9676               |                    |
|                  |                    | S/T           | 0.38           | 0.44               | 0.50               | 0.50               | 0.57               | 0.40               | 0.47               | 0.53               | 0.53               | 0.60               | 0.42               | 0.49               | 0.56               | 0.56               | 0.64               | 0.45               | 0.52               | 0.60               | 0.60               | 0.68               |                    |
|                  |                    | PI            | 0.44           | 0.44               | 0.44               | 0.44               | 0.44               | 0.46               | 0.47               | 0.47               | 0.47               | 0.47               | 0.49               | 0.49               | 0.49               | 0.49               | 0.49               | 0.52               | 0.52               | 0.52               | 0.52               | 0.52               |                    |
|                  | 14°F<br>(-10.0°C)  | TC            | 8207           | 8218               | 8227               | 8227               | 8238               | 8701               | 8712               | 8720               | 8722               | 8732               | 9221               | 9233               | 9244               | 9245               | 9256               | 9777               | 9787               | 9798               | 9800               | 9812               |                    |
|                  |                    | S/T           | 0.38           | 0.44               | 0.50               | 0.50               | 0.57               | 0.40               | 0.47               | 0.53               | 0.53               | 0.61               | 0.42               | 0.50               | 0.56               | 0.56               | 0.64               | 0.45               | 0.53               | 0.60               | 0.60               | 0.68               |                    |
|                  |                    | PI            | 0.46           | 0.46               | 0.46               | 0.46               | 0.46               | 0.49               | 0.49               | 0.49               | 0.49               | 0.49               | 0.52               | 0.52               | 0.52               | 0.52               | 0.52               | 0.55               | 0.55               | 0.55               | 0.55               | 0.55               |                    |
|                  | 17°F<br>(-8.3°C)   | TC            | 8245           | 8256               | 8265               | 8265               | 8276               | 8741               | 8752               | 8760               | 8762               | 8773               | 9264               | 9276               | 9286               | 9288               | 9298               | 9822               | 9833               | 9843               | 9845               | 9857               |                    |
|                  |                    | S/T           | 0.38           | 0.44               | 0.50               | 0.50               | 0.57               | 0.40               | 0.47               | 0.53               | 0.53               | 0.61               | 0.42               | 0.50               | 0.57               | 0.57               | 0.64               | 0.45               | 0.53               | 0.60               | 0.60               | 0.68               |                    |
|                  |                    | PI            | 0.47           | 0.47               | 0.47               | 0.47               | 0.47               | 0.50               | 0.50               | 0.50               | 0.50               | 0.50               | 0.53               | 0.53               | 0.53               | 0.53               | 0.53               | 0.56               | 0.56               | 0.56               | 0.56               | 0.56               |                    |
|                  | 23°F<br>(-5.0°C)   | TC            | 8396           | 8408               | 8417               | 8417               | 8428               | 8902               | 8913               | 8922               | 8923               | 8934               | 9434               | 9446               | 9457               | 9459               | 9469               | 10003              | 10013              | 10024              | 10026              | 10038              |                    |
|                  |                    | S/T           | 0.38           | 0.44               | 0.51               | 0.51               | 0.58               | 0.40               | 0.47               | 0.54               | 0.54               | 0.61               | 0.43               | 0.50               | 0.57               | 0.57               | 0.65               | 0.45               | 0.53               | 0.60               | 0.60               | 0.69               |                    |
|                  |                    | PI            | 0.46           | 0.46               | 0.46               | 0.46               | 0.46               | 0.49               | 0.49               | 0.49               | 0.49               | 0.49               | 0.52               | 0.52               | 0.52               | 0.52               | 0.52               | 0.55               | 0.55               | 0.55               | 0.55               | 0.55               |                    |
|                  | 35°F<br>(1.7°C)    | TC            | 8700           | 8711               | 8721               | 8721               | 8733               | 9224               | 9235               | 9244               | 9246               | 9257               | 9775               | 9788               | 9799               | 9800               | 9811               | 10364              | 10375              | 10386              | 10388              | 10401              |                    |
|                  |                    | S/T           | 0.38           | 0.45               | 0.51               | 0.51               | 0.58               | 0.40               | 0.47               | 0.54               | 0.54               | 0.61               | 0.43               | 0.50               | 0.57               | 0.57               | 0.65               | 0.45               | 0.53               | 0.60               | 0.61               | 0.69               |                    |
|                  |                    | PI            | 0.44           | 0.44               | 0.44               | 0.44               | 0.44               | 0.46               | 0.47               | 0.47               | 0.47               | 0.47               | 0.49               | 0.49               | 0.49               | 0.49               | 0.49               | 0.52               | 0.52               | 0.52               | 0.52               | 0.52               |                    |
|                  | 41°F<br>(5.0°C)    | TC            | 8481           | 8492               | 8501               | 8502               | 8513               | 8992               | 9003               | 9012               | 9013               | 9024               | 9529               | 9542               | 9552               | 9554               | 9565               | 10103              | 10114              | 10125              | 10127              | 10140              |                    |
|                  |                    | S/T           | 0.38           | 0.45               | 0.51               | 0.51               | 0.58               | 0.40               | 0.47               | 0.54               | 0.54               | 0.62               | 0.43               | 0.50               | 0.57               | 0.57               | 0.65               | 0.45               | 0.53               | 0.61               | 0.61               | 0.69               |                    |
|                  |                    | PI            | 0.42           | 0.42               | 0.42               | 0.42               | 0.42               | 0.45               | 0.45               | 0.45               | 0.45               | 0.45               | 0.47               | 0.47               | 0.48               | 0.48               | 0.48               | 0.50               | 0.50               | 0.50               | 0.50               | 0.50               |                    |
|                  | 47°F<br>(8.3°C)    | TC            | 8262           | 8273               | 8282               | 8283               | 8294               | 8760               | 8770               | 8779               | 8781               | 8791               | 9283               | 9296               | 9306               | 9308               | 9318               | 9843               | 9854               | 9864               | 9866               | 9878               |                    |
|                  |                    | S/T           | 0.38           | 0.45               | 0.51               | 0.51               | 0.58               | 0.41               | 0.48               | 0.54               | 0.54               | 0.62               | 0.43               | 0.50               | 0.57               | 0.57               | 0.65               | 0.46               | 0.54               | 0.61               | 0.61               | 0.69               |                    |
|                  |                    | PI            | 0.41           | 0.41               | 0.41               | 0.41               | 0.41               | 0.43               | 0.43               | 0.43               | 0.43               | 0.43               | 0.46               | 0.46               | 0.46               | 0.46               | 0.46               | 0.48               | 0.48               | 0.49               | 0.49               | 0.49               |                    |
|                  | 50°F<br>(10.0°C)   | TC            | 8421           | 8432               | 8442               | 8442               | 8453               | 8929               | 8939               | 8948               | 8950               | 8960               | 9462               | 9474               | 9485               | 9487               | 9497               | 10032              | 10043              | 10054              | 10056              | 10068              |                    |
|                  |                    | S/T           | 0.38           | 0.45               | 0.51               | 0.51               | 0.58               | 0.41               | 0.48               | 0.54               | 0.54               | 0.62               | 0.43               | 0.51               | 0.58               | 0.58               | 0.66               | 0.46               | 0.54               | 0.61               | 0.61               | 0.70               |                    |
|                  |                    | PI            | 0.41           | 0.41               | 0.41               | 0.41               | 0.41               | 0.44               | 0.44               | 0.44               | 0.44               | 0.44               | 0.46               | 0.46               | 0.46               | 0.46               | 0.46               | 0.49               | 0.49               | 0.49               | 0.49               | 0.49               |                    |
|                  | 59°F<br>(15.0°C)   | TC            | 8898           | 8910               | 8920               | 8920               | 8932               | 9434               | 9445               | 9455               | 9457               | 9468               | 9998               | 10011              | 10022              | 10024              | 10035              | 10600              | 10612              | 10623              | 10625              | 10638              |                    |
|                  |                    | S/T           | 0.39           | 0.45               | 0.52               | 0.52               | 0.59               | 0.41               | 0.48               | 0.55               | 0.55               | 0.62               | 0.43               | 0.51               | 0.58               | 0.58               | 0.66               | 0.46               | 0.54               | 0.61               | 0.61               | 0.70               |                    |
|                  |                    | PI            | 0.42           | 0.42               | 0.42               | 0.42               | 0.42               | 0.45               | 0.45               | 0.45               | 0.45               | 0.45               | 0.48               | 0.48               | 0.48               | 0.48               | 0.48               | 0.50               | 0.50               | 0.51               | 0.51               | 0.51               |                    |
|                  | 68°F<br>(20.0°C)   | TC            | 9375           | 9387               | 9398               | 9398               | 9411               | 9940               | 9952               | 9961               | 9963               | 9975               | 10534              | 10547              | 10559              | 10561              | 10573              | 11168              | 11181              | 11193              | 11194              | 11208              |                    |
|                  |                    | S/T           | 0.40           | 0.47               | 0.53               | 0.53               | 0.60               | 0.42               | 0.49               | 0.56               | 0.56               | 0.64               | 0.45               | 0.52               | 0.59               | 0.59               | 0.68               | 0.47               | 0.55               | 0.63               | 0.63               | 0.72               |                    |
|                  |                    | PI            | 0.44           | 0.44               | 0.44               | 0.44               | 0.44               | 0.46               | 0.46               | 0.46               | 0.46               | 0.46               | 0.49               | 0.49               | 0.49               | 0.49               | 0.49               | 0.52               | 0.52               | 0.52               | 0.52               | 0.52               |                    |
|                  | 77°F<br>(25.0°C)   | TC            | 9852           | 9865               | 9876               | 9876               | 9889               | 10445              | 10458              | 10468              | 10470              | 10483              | 11069              | 11084              | 11096              | 11098              | 11111              | 11736              | 11749              | 11762              | 11764              | 11778              |                    |
|                  |                    | S/T           | 0.40           | 0.47               | 0.54               | 0.54               | 0.61               | 0.43               | 0.50               | 0.57               | 0.57               | 0.65               | 0.45               | 0.53               | 0.60               | 0.60               | 0.69               | 0.48               | 0.56               | 0.64               | 0.64               | 0.73               |                    |
|                  |                    | PI            | 0.45           | 0.45               | 0.45               | 0.45               | 0.45               | 0.48               | 0.48               | 0.48               | 0.48               | 0.48               | 0.50               | 0.50               | 0.51               | 0.51               | 0.51               | 0.53               | 0.53               | 0.54               | 0.54               | 0.54               |                    |
|                  | 82°F<br>(27.8°C)   | TC            | 9960           | 9974               | 9985               | 9985               | 9998               | 10561              | 10573              | 10584              | 10586              | 10598              | 11192              | 11206              | 11219              | 11221              | 11233              | 11866              | 11879              | 11892              | 11894              | 11908              |                    |
|                  |                    | S/T           | 0.41           | 0.48               | 0.54               | 0.54               | 0.62               | 0.43               | 0.51               | 0.58               | 0.58               | 0.66               | 0.46               | 0.54               | 0.61               | 0.61               | 0.70               | 0.49               | 0.57               | 0.65               | 0.65               | 0.74               |                    |
|                  |                    | PI            | 0.50           | 0.50               | 0.50               | 0.50               | 0.50               | 0.53               | 0.53               | 0.53               | 0.53               | 0.53               | 0.56               | 0.56               | 0.56               | 0.56               | 0.56               | 0.59               | 0.59               | 0.59               | 0.59               | 0.59               |                    |
|                  | 86°F<br>(30.0°C)   | TC            | 9850           | 9863               | 9874               | 9875               | 9888               | 10444              | 10456              | 10467              | 10469              | 10481              | 11068              | 11082              | 11095              | 11097              | 11109              | 11735              | 11747              | 11760              | 11762              | 11777              |                    |
|                  |                    | S/T           | 0.41           | 0.48               | 0.55               | 0.55               | 0.63               | 0.44               | 0.51               | 0.58               | 0.58               | 0.66               | 0.46               | 0.54               | 0.62               | 0.62               | 0.70               | 0.49               | 0.58               | 0.66               | 0.66               | 0.75               |                    |
|                  |                    | PI            | 0.59           | 0.59               | 0.59               | 0.59               | 0.59               | 0.62               | 0.62               | 0.62               | 0.62               | 0.62               | 0.66               | 0.66               | 0.66               | 0.66               | 0.66               | 0.70               | 0.70               | 0.70               | 0.70               | 0.70               |                    |
|                  | 95°F<br>(35.0°C)   | TC            | 9602           | 9615               | 9626               | 9626               | 9639               | 10181              | 10193              | 10203              | 10205              | 10217              | 10789              | 10803              | 10815              | 1081               |                    |                    |                    |                    |                    |                    |                    |

COOLING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 12 (Sheet 3 of 4)

| AIRFLOW<br>(CFM) | OUTDOOR<br>DB (°F) | ID WB<br>(°F) | 60.8°F(16.0°C) |                    |                    |                    |                    | 64.4°F(18.0°C)     |                    |                    |                    |                    | 67°F(19.4°C)       |                    |                    |                    |                    | 71.6°F(22.0°C)     |                    |                    |                    |                    |
|------------------|--------------------|---------------|----------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                  |                    |               | ID DB<br>(°F)  | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) |
| 376              | -22°F<br>(-30.0°C) | TC            | 7367           | 7376               | 7384               | 7385               | 7395               | 7811               | 7820               | 7827               | 7829               | 7838               | 8277               | 8288               | 8297               | 8299               | 8308               | 8776               | 8785               | 8795               | 8796               | 8807               |
|                  |                    | S/T           | 0.42           | 0.49               | 0.56               | 0.56               | 0.64               | 0.44               | 0.52               | 0.59               | 0.59               | 0.67               | 0.47               | 0.55               | 0.63               | 0.63               | 0.71               | 0.50               | 0.58               | 0.66               | 0.66               | 0.76               |
|                  |                    | PI            | 0.40           | 0.40               | 0.40               | 0.40               | 0.40               | 0.42               | 0.42               | 0.42               | 0.42               | 0.42               | 0.45               | 0.45               | 0.45               | 0.45               | 0.45               | 0.48               | 0.48               | 0.48               | 0.48               | 0.48               |
|                  | -13°F<br>(-25.0°C) | TC            | 7980           | 7991               | 8000               | 8000               | 8011               | 8461               | 8471               | 8480               | 8481               | 8492               | 8967               | 8979               | 8989               | 8990               | 9000               | 9507               | 9518               | 9528               | 9529               | 9541               |
|                  |                    | S/T           | 0.42           | 0.49               | 0.56               | 0.56               | 0.64               | 0.45               | 0.52               | 0.60               | 0.60               | 0.68               | 0.47               | 0.56               | 0.63               | 0.63               | 0.72               | 0.50               | 0.59               | 0.67               | 0.67               | 0.76               |
|                  |                    | PI            | 0.43           | 0.43               | 0.43               | 0.43               | 0.43               | 0.46               | 0.46               | 0.46               | 0.46               | 0.46               | 0.49               | 0.49               | 0.49               | 0.49               | 0.49               | 0.52               | 0.52               | 0.52               | 0.52               | 0.52               |
|                  | -4°F<br>(-20.0°C)  | TC            | 8594           | 8606               | 8615               | 8616               | 8627               | 9112               | 9123               | 9132               | 9134               | 9145               | 9657               | 9669               | 9680               | 9682               | 9693               | 10238              | 10250              | 10261              | 10262              | 10275              |
|                  |                    | S/T           | 0.42           | 0.50               | 0.56               | 0.56               | 0.64               | 0.45               | 0.53               | 0.60               | 0.60               | 0.68               | 0.48               | 0.56               | 0.63               | 0.63               | 0.72               | 0.50               | 0.59               | 0.67               | 0.67               | 0.77               |
|                  |                    | PI            | 0.47           | 0.47               | 0.47               | 0.47               | 0.47               | 0.49               | 0.49               | 0.49               | 0.49               | 0.50               | 0.52               | 0.52               | 0.52               | 0.52               | 0.53               | 0.55               | 0.56               | 0.56               | 0.56               | 0.56               |
|                  | 0°F<br>(-17.8°C)   | TC            | 8867           | 8879               | 8889               | 8889               | 8901               | 9402               | 9413               | 9422               | 9424               | 9435               | 9963               | 9976               | 9987               | 9989               | 10000              | 10564              | 10575              | 10587              | 10588              | 10601              |
|                  |                    | S/T           | 0.42           | 0.50               | 0.57               | 0.57               | 0.65               | 0.45               | 0.53               | 0.60               | 0.60               | 0.68               | 0.48               | 0.56               | 0.64               | 0.64               | 0.73               | 0.51               | 0.59               | 0.67               | 0.67               | 0.77               |
|                  |                    | PI            | 0.48           | 0.48               | 0.48               | 0.48               | 0.48               | 0.51               | 0.51               | 0.51               | 0.51               | 0.51               | 0.54               | 0.54               | 0.54               | 0.54               | 0.54               | 0.57               | 0.57               | 0.57               | 0.57               | 0.57               |
|                  | 5°F<br>(-15.0°C)   | TC            | 9208           | 9221               | 9231               | 9231               | 9243               | 9763               | 9775               | 9784               | 9786               | 9798               | 10346              | 10360              | 10371              | 10373              | 10385              | 10970              | 10982              | 10994              | 10995              | 11009              |
|                  |                    | S/T           | 0.43           | 0.50               | 0.57               | 0.57               | 0.65               | 0.45               | 0.53               | 0.60               | 0.60               | 0.69               | 0.48               | 0.56               | 0.64               | 0.64               | 0.73               | 0.51               | 0.60               | 0.68               | 0.68               | 0.77               |
|                  |                    | PI            | 0.50           | 0.50               | 0.50               | 0.50               | 0.50               | 0.53               | 0.53               | 0.53               | 0.53               | 0.53               | 0.56               | 0.56               | 0.56               | 0.56               | 0.56               | 0.59               | 0.59               | 0.60               | 0.60               | 0.60               |
|                  | 14°F<br>(-10.0°C)  | TC            | 9337           | 9350               | 9360               | 9360               | 9373               | 9900               | 9912               | 9921               | 9923               | 9935               | 10491              | 10505              | 10517              | 10519              | 10530              | 11124              | 11136              | 11148              | 11149              | 11163              |
|                  |                    | S/T           | 0.43           | 0.50               | 0.57               | 0.57               | 0.65               | 0.45               | 0.53               | 0.60               | 0.60               | 0.69               | 0.48               | 0.56               | 0.64               | 0.64               | 0.73               | 0.51               | 0.60               | 0.68               | 0.68               | 0.77               |
|                  |                    | PI            | 0.53           | 0.53               | 0.53               | 0.53               | 0.53               | 0.56               | 0.56               | 0.56               | 0.56               | 0.56               | 0.59               | 0.59               | 0.59               | 0.59               | 0.59               | 0.63               | 0.63               | 0.63               | 0.63               | 0.63               |
|                  | 17°F<br>(-8.3°C)   | TC            | 9380           | 9393               | 9403               | 9403               | 9416               | 9946               | 9957               | 9967               | 9969               | 9981               | 10540              | 10553              | 10565              | 10567              | 10579              | 11175              | 11187              | 11199              | 11201              | 11215              |
|                  |                    | S/T           | 0.43           | 0.50               | 0.57               | 0.57               | 0.65               | 0.45               | 0.53               | 0.61               | 0.61               | 0.69               | 0.48               | 0.57               | 0.64               | 0.64               | 0.73               | 0.51               | 0.60               | 0.68               | 0.68               | 0.78               |
|                  |                    | PI            | 0.54           | 0.54               | 0.54               | 0.54               | 0.54               | 0.57               | 0.57               | 0.57               | 0.57               | 0.57               | 0.60               | 0.60               | 0.60               | 0.60               | 0.60               | 0.64               | 0.64               | 0.64               | 0.64               | 0.64               |
|                  | 23°F<br>(-5.0°C)   | TC            | 9553           | 9566               | 9576               | 9576               | 9589               | 10128              | 10140              | 10150              | 10153              | 10165              | 10734              | 10748              | 10760              | 10762              | 10774              | 11380              | 11393              | 11405              | 11407              | 11421              |
|                  |                    | S/T           | 0.43           | 0.51               | 0.58               | 0.58               | 0.66               | 0.46               | 0.54               | 0.61               | 0.61               | 0.69               | 0.48               | 0.57               | 0.65               | 0.65               | 0.74               | 0.51               | 0.60               | 0.68               | 0.68               | 0.78               |
|                  |                    | PI            | 0.52           | 0.52               | 0.52               | 0.52               | 0.53               | 0.56               | 0.56               | 0.56               | 0.56               | 0.56               | 0.59               | 0.59               | 0.59               | 0.59               | 0.59               | 0.62               | 0.62               | 0.62               | 0.63               | 0.63               |
|                  | 35°F<br>(1.7°C)    | TC            | 9898           | 9911               | 9922               | 9922               | 9936               | 10494              | 10507              | 10517              | 10519              | 10532              | 11121              | 11136              | 11148              | 11150              | 11163              | 11791              | 11804              | 11817              | 11819              | 11834              |
|                  |                    | S/T           | 0.43           | 0.51               | 0.58               | 0.58               | 0.66               | 0.46               | 0.54               | 0.61               | 0.61               | 0.70               | 0.49               | 0.57               | 0.65               | 0.65               | 0.74               | 0.52               | 0.61               | 0.69               | 0.69               | 0.78               |
|                  |                    | PI            | 0.50           | 0.50               | 0.50               | 0.50               | 0.50               | 0.53               | 0.53               | 0.53               | 0.53               | 0.53               | 0.56               | 0.56               | 0.56               | 0.56               | 0.56               | 0.59               | 0.59               | 0.60               | 0.60               | 0.60               |
|                  | 41°F<br>(5.0°C)    | TC            | 9649           | 9662               | 9672               | 9673               | 9686               | 10231              | 10243              | 10253              | 10255              | 10267              | 10842              | 10856              | 10868              | 10870              | 10882              | 11495              | 11507              | 11520              | 11522              | 11536              |
|                  |                    | S/T           | 0.43           | 0.51               | 0.58               | 0.58               | 0.66               | 0.46               | 0.54               | 0.61               | 0.61               | 0.70               | 0.49               | 0.57               | 0.65               | 0.65               | 0.74               | 0.52               | 0.61               | 0.69               | 0.69               | 0.79               |
|                  |                    | PI            | 0.48           | 0.48               | 0.48               | 0.48               | 0.48               | 0.51               | 0.51               | 0.51               | 0.51               | 0.51               | 0.54               | 0.54               | 0.54               | 0.54               | 0.54               | 0.57               | 0.57               | 0.57               | 0.57               | 0.57               |
|                  | 47°F<br>(8.3°C)    | TC            | 9400           | 9413               | 9423               | 9423               | 9436               | 9967               | 9979               | 9988               | 9990               | 10002              | 10562              | 10576              | 10588              | 10590              | 10601              | 11199              | 11211              | 11223              | 11225              | 11239              |
|                  |                    | S/T           | 0.44           | 0.51               | 0.58               | 0.58               | 0.66               | 0.46               | 0.54               | 0.62               | 0.62               | 0.70               | 0.49               | 0.57               | 0.65               | 0.65               | 0.74               | 0.52               | 0.61               | 0.69               | 0.69               | 0.79               |
|                  |                    | PI            | 0.46           | 0.46               | 0.46               | 0.46               | 0.46               | 0.49               | 0.49               | 0.49               | 0.49               | 0.49               | 0.52               | 0.52               | 0.52               | 0.52               | 0.52               | 0.55               | 0.55               | 0.55               | 0.55               | 0.55               |
|                  | 50°F<br>(10.0°C)   | TC            | 9581           | 9594               | 9604               | 9605               | 9618               | 10158              | 10171              | 10181              | 10183              | 10195              | 10765              | 10779              | 10791              | 10793              | 10805              | 11414              | 11426              | 11439              | 11441              | 11455              |
|                  |                    | S/T           | 0.44           | 0.51               | 0.58               | 0.58               | 0.67               | 0.46               | 0.54               | 0.62               | 0.62               | 0.71               | 0.49               | 0.58               | 0.66               | 0.66               | 0.75               | 0.52               | 0.61               | 0.70               | 0.70               | 0.79               |
|                  |                    | PI            | 0.47           | 0.47               | 0.47               | 0.47               | 0.47               | 0.50               | 0.50               | 0.50               | 0.50               | 0.50               | 0.52               | 0.53               | 0.53               | 0.53               | 0.53               | 0.56               | 0.56               | 0.56               | 0.56               | 0.56               |
|                  | 59°F<br>(15.0°C)   | TC            | 10124          | 10137              | 10148              | 10149              | 10162              | 10734              | 10746              | 10757              | 10759              | 10772              | 11375              | 11390              | 11402              | 11405              | 11417              | 12060              | 12073              | 12087              | 12089              | 12104              |
|                  |                    | S/T           | 0.44           | 0.52               | 0.59               | 0.59               | 0.67               | 0.47               | 0.55               | 0.62               | 0.62               | 0.71               | 0.49               | 0.58               | 0.66               | 0.66               | 0.75               | 0.52               | 0.61               | 0.70               | 0.70               | 0.80               |
|                  |                    | PI            | 0.48           | 0.48               | 0.48               | 0.48               | 0.48               | 0.51               | 0.51               | 0.51               | 0.51               | 0.51               | 0.54               | 0.54               | 0.54               | 0.54               | 0.54               | 0.57               | 0.57               | 0.57               | 0.57               | 0.58               |
|                  | 68°F<br>(20.0°C)   | TC            | 10666          | 10681              | 10692              | 10693              | 10707              | 11309              | 11322              | 11334              | 11336              | 11349              | 11985              | 12000              | 12014              | 12016              | 12029              | 12707              | 12721              | 12734              | 12736              | 12752              |
|                  |                    | S/T           | 0.45           | 0.53               | 0.60               | 0.60               | 0.69               | 0.48               | 0.56               | 0.64               | 0.64               | 0.73               | 0.51               | 0.60               | 0.68               | 0.68               | 0.77               | 0.54               | 0.63               | 0.72               | 0.72               | 0.82               |
|                  |                    | PI            | 0.50           | 0.50               | 0.50               | 0.50               | 0.50               | 0.53               | 0.53               | 0.53               | 0.53               | 0.53               | 0.56               | 0.56               | 0.56               | 0.56               | 0.56               | 0.59               | 0.59               | 0.59               | 0.59               | 0.59               |
|                  | 77°F<br>(25.0°C)   | TC            | 11209          | 11224              | 11236              | 11236              | 11252              | 11884              | 11898              | 11910              | 11912              | 11927              | 12594              | 12611              | 12625              | 12627              | 12641              | 13353              | 13368              | 13382              | 13384              | 13401              |
|                  |                    | S/T           | 0.46           | 0.54               | 0.61               | 0.61               | 0.70               | 0.49               | 0.57               | 0.65               | 0.65               | 0.74               | 0.51               | 0.60               | 0.69               | 0.69               | 0.78               | 0.55               | 0.64               | 0.73               | 0.73               | 0.83               |
|                  |                    | PI            | 0.51           | 0.51               | 0.51               | 0.51               | 0.51               | 0.54               | 0.54               | 0.54               | 0.54               | 0.54               | 0.57               | 0.57               | 0.57               | 0.57               | 0.58               | 0.61               | 0.61               | 0.61               | 0.61               | 0.61               |
|                  | 82°F<br>(27.8°C)   | TC            | 11332          | 11348              | 11360              | 11360              | 11376              | 12015              | 12030              | 12041              | 12044              | 12058              | 12733              | 12750              | 12764              | 12766              | 12781              | 13500              | 13515              | 13530              | 13532              | 13549              |
|                  |                    | S/T           | 0.46           | 0.54               | 0.62               | 0.62               | 0.70               | 0.49               | 0.58               | 0.66               | 0.66               | 0.75               | 0.52               | 0.61               | 0.69               | 0.69               | 0.79               | 0.55               | 0.65               | 0.74               | 0.74               | 0.84               |
|                  |                    | PI            | 0.56           | 0.57               | 0.57               | 0.57               | 0.57               | 0.60               | 0.60               | 0.60               | 0.60               | 0.60               | 0.63               | 0.64               | 0.64               | 0.64               | 0.64               | 0.67               | 0.67               | 0.67               | 0.67               | 0.68               |
|                  | 86°F<br>(30.0°C)   | TC            | 11207          | 11222              | 11234              | 11235              | 11250              | 11882              | 11897              | 11908              | 11911              | 11925              | 12592              | 12609              | 12623              | 12625              | 12639              | 13351              | 13366              | 13380              | 13382              | 13399              |
|                  |                    | S/T           | 0.47           | 0.55               | 0.63               | 0.63               | 0.71               | 0.50               | 0.58               | 0.66               | 0.66               | 0.76               | 0.53               | 0.62               | 0.70               | 0.70               | 0.80               | 0.56               | 0.66               | 0.75               | 0.75               | 0.85               |
|                  |                    | PI            | 0.67           | 0.67               | 0.67               | 0.67               | 0.67               | 0.71               | 0.71               | 0.71               | 0.71               | 0.71               | 0.75               | 0.75               | 0.75               | 0.75               | 0.75               | 0.79               | 0.80               | 0.80               | 0.80               | 0.80               |
|                  | 95°F<br>(35.0°C)   | TC            | 10925          | 10940              | 10951              | 10952              | 10967              | 11583              |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |

COOLING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 12 (Sheet 4 of 4)

| AIRFLOW<br>(CFM) | OUTDOOR<br>DB (°F) | ID WB<br>(°F) | 60.8°F(16.0°C) |                    |                    |                    |                    | 64.4°F(18.0°C)     |                    |                    |                    |                    | 67°F(19.4°C)       |                    |                    |                    |                    | 71.6°F(22.0°C)     |                    |                    |                    |                    |                    |
|------------------|--------------------|---------------|----------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                  |                    |               | ID DB<br>(°F)  | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) |
|                  |                    |               | TC             | 8381               | 8393               | 8402               | 8402               | 8413               | 8886               | 8897               | 8906               | 8907               | 8918               | 9417               | 9429               | 9440               | 9442               | 9452               | 9985               | 9996               | 10006              | 10008              | 10020              |
| 441              | -22°F<br>(-30.0°C) | S/T           | 0.48           | 0.56               | 0.63               | 0.63               | 0.72               | 0.50               | 0.59               | 0.67               | 0.67               | 0.77               | 0.53               | 0.63               | 0.71               | 0.71               | 0.81               | 0.57               | 0.67               | 0.76               | 0.76               | 0.86               |                    |
|                  |                    | PI            | 0.45           | 0.45               | 0.46               | 0.46               | 0.46               | 0.48               | 0.48               | 0.48               | 0.48               | 0.48               | 0.51               | 0.51               | 0.51               | 0.51               | 0.51               | 0.54               | 0.54               | 0.54               | 0.54               | 0.54               |                    |
|                  |                    | TC            | 9080           | 9092               | 9102               | 9102               | 9114               | 9627               | 9638               | 9648               | 9650               | 9661               | 10202              | 10215              | 10227              | 10229              | 10240              | 10817              | 10828              | 10840              | 10842              | 10855              |                    |
|                  | -13°F<br>(-25.0°C) | S/T           | 0.48           | 0.56               | 0.64               | 0.64               | 0.73               | 0.51               | 0.60               | 0.68               | 0.68               | 0.77               | 0.54               | 0.63               | 0.72               | 0.72               | 0.82               | 0.57               | 0.67               | 0.76               | 0.76               | 0.87               |                    |
|                  |                    | PI            | 0.49           | 0.49               | 0.49               | 0.49               | 0.49               | 0.52               | 0.52               | 0.52               | 0.52               | 0.52               | 0.55               | 0.55               | 0.55               | 0.55               | 0.55               | 0.59               | 0.59               | 0.59               | 0.59               | 0.59               |                    |
|                  |                    | TC            | 9778           | 9791               | 9802               | 9802               | 9815               | 10367              | 10380              | 10390              | 10392              | 10404              | 10987              | 11001              | 11013              | 11015              | 11028              | 11649              | 11661              | 11674              | 11676              | 11690              |                    |
|                  | -4°F<br>(-20.0°C)  | S/T           | 0.48           | 0.57               | 0.64               | 0.64               | 0.73               | 0.51               | 0.60               | 0.68               | 0.68               | 0.78               | 0.54               | 0.64               | 0.72               | 0.72               | 0.82               | 0.57               | 0.67               | 0.77               | 0.77               | 0.87               |                    |
|                  |                    | PI            | 0.53           | 0.53               | 0.53               | 0.53               | 0.53               | 0.56               | 0.56               | 0.56               | 0.56               | 0.56               | 0.60               | 0.60               | 0.60               | 0.60               | 0.60               | 0.63               | 0.63               | 0.63               | 0.63               | 0.63               |                    |
|                  |                    | TC            | 10089          | 10102              | 10113              | 10113              | 10127              | 10697              | 10709              | 10720              | 10722              | 10735              | 11336              | 11350              | 11363              | 11365              | 11378              | 12019              | 12032              | 12045              | 12047              | 12062              |                    |
|                  | 0°F<br>(-17.8°C)   | S/T           | 0.48           | 0.57               | 0.64               | 0.64               | 0.73               | 0.51               | 0.60               | 0.68               | 0.68               | 0.78               | 0.54               | 0.64               | 0.72               | 0.72               | 0.83               | 0.58               | 0.68               | 0.77               | 0.77               | 0.88               |                    |
|                  |                    | PI            | 0.55           | 0.55               | 0.55               | 0.55               | 0.55               | 0.58               | 0.58               | 0.58               | 0.58               | 0.58               | 0.61               | 0.61               | 0.62               | 0.62               | 0.62               | 0.65               | 0.65               | 0.65               | 0.65               | 0.65               |                    |
|                  |                    | TC            | 10477          | 10491              | 10502              | 10502              | 10517              | 11108              | 11121              | 11132              | 11134              | 11147              | 11772              | 11787              | 11800              | 11802              | 11815              | 12481              | 12494              | 12508              | 12510              | 12526              |                    |
|                  | 5°F<br>(-15.0°C)   | S/T           | 0.49           | 0.57               | 0.65               | 0.65               | 0.74               | 0.51               | 0.60               | 0.69               | 0.69               | 0.78               | 0.55               | 0.64               | 0.73               | 0.73               | 0.83               | 0.58               | 0.68               | 0.77               | 0.77               | 0.88               |                    |
|                  |                    | PI            | 0.57           | 0.57               | 0.57               | 0.57               | 0.57               | 0.60               | 0.60               | 0.60               | 0.60               | 0.60               | 0.64               | 0.64               | 0.64               | 0.64               | 0.64               | 0.68               | 0.68               | 0.68               | 0.68               | 0.68               |                    |
|                  |                    | TC            | 10623          | 10638              | 10649              | 10650              | 10664              | 11264              | 11277              | 11288              | 11290              | 11304              | 11937              | 11952              | 11965              | 11968              | 11981              | 12656              | 12669              | 12683              | 12685              | 12701              |                    |
|                  | 14°F<br>(-10.0°C)  | S/T           | 0.49           | 0.57               | 0.65               | 0.65               | 0.74               | 0.52               | 0.61               | 0.69               | 0.69               | 0.78               | 0.55               | 0.64               | 0.73               | 0.73               | 0.83               | 0.58               | 0.68               | 0.77               | 0.77               | 0.88               |                    |
|                  |                    | PI            | 0.60           | 0.60               | 0.60               | 0.60               | 0.60               | 0.64               | 0.64               | 0.64               | 0.64               | 0.64               | 0.67               | 0.67               | 0.67               | 0.68               | 0.68               | 0.71               | 0.71               | 0.72               | 0.72               | 0.72               |                    |
|                  |                    | TC            | 10672          | 10687              | 10698              | 10699              | 10713              | 11315              | 11329              | 11340              | 11342              | 11356              | 11992              | 12007              | 12020              | 12023              | 12036              | 12714              | 12728              | 12742              | 12744              | 12760              |                    |
|                  | 17°F<br>(-8.3°C)   | S/T           | 0.49           | 0.57               | 0.65               | 0.65               | 0.74               | 0.52               | 0.61               | 0.69               | 0.69               | 0.79               | 0.55               | 0.64               | 0.73               | 0.73               | 0.83               | 0.58               | 0.68               | 0.78               | 0.78               | 0.88               |                    |
|                  |                    | PI            | 0.61           | 0.61               | 0.61               | 0.61               | 0.61               | 0.65               | 0.65               | 0.65               | 0.65               | 0.65               | 0.69               | 0.69               | 0.69               | 0.69               | 0.69               | 0.73               | 0.73               | 0.73               | 0.73               | 0.73               |                    |
|                  |                    | TC            | 10869          | 10883              | 10895              | 10895              | 10910              | 11524              | 11537              | 11549              | 11551              | 11565              | 12212              | 12228              | 12242              | 12244              | 12258              | 12948              | 12962              | 12976              | 12978              | 12994              |                    |
|                  | 23°F<br>(-5.0°C)   | S/T           | 0.49           | 0.58               | 0.65               | 0.65               | 0.75               | 0.52               | 0.61               | 0.69               | 0.69               | 0.79               | 0.55               | 0.65               | 0.74               | 0.74               | 0.84               | 0.58               | 0.69               | 0.78               | 0.78               | 0.89               |                    |
|                  |                    | PI            | 0.60           | 0.60               | 0.60               | 0.60               | 0.60               | 0.63               | 0.63               | 0.63               | 0.63               | 0.63               | 0.67               | 0.67               | 0.67               | 0.67               | 0.67               | 0.71               | 0.71               | 0.71               | 0.71               | 0.71               |                    |
|                  |                    | TC            | 11261          | 11276              | 11289              | 11289              | 11304              | 11940              | 11954              | 11966              | 11968              | 11982              | 12653              | 12670              | 12684              | 12686              | 12700              | 13416              | 13430              | 13445              | 13447              | 13464              |                    |
|                  | 35°F<br>(1.7°C)    | S/T           | 0.49           | 0.58               | 0.66               | 0.66               | 0.75               | 0.52               | 0.61               | 0.70               | 0.70               | 0.79               | 0.55               | 0.65               | 0.74               | 0.74               | 0.84               | 0.59               | 0.69               | 0.78               | 0.78               | 0.89               |                    |
|                  |                    | PI            | 0.57           | 0.57               | 0.57               | 0.57               | 0.57               | 0.60               | 0.60               | 0.60               | 0.60               | 0.60               | 0.64               | 0.64               | 0.64               | 0.64               | 0.64               | 0.68               | 0.68               | 0.68               | 0.68               | 0.68               |                    |
|                  |                    | TC            | 10978          | 10993              | 11005              | 11005              | 11020              | 11640              | 11654              | 11665              | 11667              | 11681              | 12335              | 12351              | 12365              | 12367              | 12381              | 13078              | 13093              | 13107              | 13109              | 13125              |                    |
|                  | 41°F<br>(5.0°C)    | S/T           | 0.49           | 0.58               | 0.66               | 0.66               | 0.75               | 0.52               | 0.61               | 0.70               | 0.70               | 0.80               | 0.56               | 0.65               | 0.74               | 0.74               | 0.84               | 0.59               | 0.69               | 0.78               | 0.78               | 0.89               |                    |
|                  |                    | PI            | 0.55           | 0.55               | 0.55               | 0.55               | 0.55               | 0.58               | 0.58               | 0.58               | 0.58               | 0.58               | 0.61               | 0.61               | 0.62               | 0.62               | 0.62               | 0.65               | 0.65               | 0.65               | 0.65               | 0.65               |                    |
|                  |                    | TC            | 10695          | 10709              | 10721              | 10721              | 10736              | 11340              | 11353              | 11364              | 11366              | 11380              | 12017              | 12033              | 12046              | 12048              | 12062              | 12741              | 12755              | 12769              | 12771              | 12787              |                    |
|                  | 47°F<br>(8.3°C)    | S/T           | 0.50           | 0.58               | 0.66               | 0.66               | 0.75               | 0.53               | 0.62               | 0.70               | 0.70               | 0.80               | 0.56               | 0.65               | 0.74               | 0.74               | 0.85               | 0.59               | 0.69               | 0.79               | 0.79               | 0.90               |                    |
|                  |                    | PI            | 0.53           | 0.53               | 0.53               | 0.53               | 0.53               | 0.56               | 0.56               | 0.56               | 0.56               | 0.56               | 0.59               | 0.59               | 0.59               | 0.59               | 0.59               | 0.63               | 0.63               | 0.63               | 0.63               | 0.63               |                    |
|                  |                    | TC            | 10901          | 10915              | 10927              | 10928              | 10942              | 11558              | 11571              | 11583              | 11585              | 11599              | 12248              | 12264              | 12278              | 12280              | 12294              | 12986              | 13000              | 13014              | 13017              | 13033              |                    |
|                  | 50°F<br>(10.0°C)   | S/T           | 0.50           | 0.58               | 0.66               | 0.66               | 0.76               | 0.53               | 0.62               | 0.70               | 0.70               | 0.80               | 0.56               | 0.66               | 0.75               | 0.75               | 0.85               | 0.59               | 0.70               | 0.79               | 0.79               | 0.90               |                    |
|                  |                    | PI            | 0.53           | 0.53               | 0.53               | 0.53               | 0.53               | 0.56               | 0.56               | 0.56               | 0.56               | 0.57               | 0.60               | 0.60               | 0.60               | 0.60               | 0.60               | 0.63               | 0.63               | 0.63               | 0.63               | 0.64               |                    |
|                  |                    | TC            | 11518          | 11534              | 11546              | 11547              | 11562              | 12212              | 12227              | 12239              | 12241              | 12256              | 12942              | 12959              | 12973              | 12975              | 12990              | 13722              | 13737              | 13751              | 13754              | 13771              |                    |
|                  | 59°F<br>(15.0°C)   | S/T           | 0.50           | 0.59               | 0.67               | 0.67               | 0.76               | 0.53               | 0.62               | 0.71               | 0.71               | 0.81               | 0.56               | 0.66               | 0.75               | 0.75               | 0.86               | 0.60               | 0.70               | 0.80               | 0.80               | 0.91               |                    |
|                  |                    | PI            | 0.55           | 0.55               | 0.55               | 0.55               | 0.55               | 0.58               | 0.58               | 0.58               | 0.58               | 0.58               | 0.62               | 0.62               | 0.62               | 0.62               | 0.62               | 0.65               | 0.65               | 0.65               | 0.65               | 0.65               |                    |
|                  |                    | TC            | 12135          | 12152              | 12165              | 12165              | 12182              | 12867              | 12882              | 12895              | 12897              | 12913              | 13635              | 13653              | 13668              | 13671              | 13686              | 14457              | 14473              | 14488              | 14491              | 14509              |                    |
|                  | 68°F<br>(20.0°C)   | S/T           | 0.51           | 0.60               | 0.69               | 0.69               | 0.78               | 0.54               | 0.64               | 0.73               | 0.73               | 0.83               | 0.58               | 0.68               | 0.77               | 0.77               | 0.88               | 0.61               | 0.72               | 0.82               | 0.82               | 0.93               |                    |
|                  |                    | PI            | 0.56           | 0.56               | 0.57               | 0.57               | 0.57               | 0.60               | 0.60               | 0.60               | 0.60               | 0.60               | 0.63               | 0.63               | 0.64               | 0.64               | 0.64               | 0.67               | 0.67               | 0.67               | 0.67               | 0.67               |                    |
|                  |                    | TC            | 12753          | 12770              | 12784              | 12784              | 12801              | 13521              | 13537              | 13551              | 13553              | 13569              | 14329              | 14348              | 14364              | 14366              | 14382              | 15192              | 15209              | 15225              | 15228              | 15247              |                    |
|                  | 77°F<br>(25.0°C)   | S/T           | 0.52           | 0.61               | 0.69               | 0.69               | 0.79               | 0.55               | 0.65               | 0.74               | 0.74               | 0.84               | 0.59               | 0.69               | 0.78               | 0.78               | 0.89               | 0.62               | 0.73               | 0.83               | 0.83               | 0.94               |                    |
|                  |                    | PI            | 0.58           | 0.58               | 0.58               | 0.58               | 0.58               | 0.62               | 0.62               | 0.62               | 0.62               | 0.62               | 0.65               | 0.65               | 0.65               | 0.65               | 0.65               | 0.69               | 0.69               | 0.69               | 0.69               | 0.69               |                    |
|                  |                    | TC            | 12893          | 12911              | 12925              | 12925              | 12943              | 13670              | 13687              | 13700              | 13703              | 13719              | 14487              | 14506              | 14522              | 14525              | 14541              | 15360              | 15377              | 15393              | 15396              | 15415              |                    |
|                  | 82°F<br>(27.8°C)   | S/T           | 0.53           | 0.62               | 0.70               | 0.70               | 0.80               | 0.56               | 0.66               | 0.75               | 0.75               | 0.85               | 0.59               | 0.70               | 0.79               | 0.79               | 0.90               | 0.63               | 0.74               | 0.84               | 0.84               | 0.95               |                    |
|                  |                    | PI            | 0.64           | 0.64               | 0.64               | 0.64               | 0.64               | 0.68               | 0.68               | 0.68               | 0.68               | 0.68               | 0.72               | 0.72               | 0.72               | 0.72               | 0.72               | 0.77               | 0.77               | 0.77               | 0.77               | 0.77               |                    |
|                  |                    | TC            | 12751          | 12768              | 12782              | 12782              | 12799              | 13519              | 13535              | 13549              | 13551              | 13567              | 14327              | 14345              | 14361              | 14364              | 14380              | 15190              | 15207              | 15223              | 15225              | 15244              |                    |
|                  | 86°F<br>(30.0°C)   | S/T           | 0.53           | 0.63               | 0.71               | 0.71               | 0.81               | 0.57               | 0.66               | 0.75               | 0.75               | 0.86               | 0.60               | 0.70               | 0.80               | 0.80               | 0.91               | 0.64               | 0.75               | 0.85               | 0.85               | 0.97               |                    |
|                  |                    | PI            | 0.76           | 0.76               | 0.76               | 0.76               | 0.76               | 0.80               | 0.81               | 0.81               | 0.81               | 0.81               | 0.85               | 0.85               | 0.85               | 0.85               | 0.86               | 0.90               | 0.91               | 0.91               | 0.91               | 0.91               |                    |
|                  |                    | TC            | 12430          | 12                 |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |

**Table 26 — Console Heating Performance (12K)**

HEATING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 12 (Sheet 1 of 2)

| AIRFLOW<br>(CFM) | OUTDOOR<br>DB(°F) | TC: Total Heating Capacity (BTU/hr) |                  |                  |                    |                    | PI: Power Input (kW)      |                  |                  |                    |                    |
|------------------|-------------------|-------------------------------------|------------------|------------------|--------------------|--------------------|---------------------------|------------------|------------------|--------------------|--------------------|
|                  |                   | Indoor Conditions (DB °F)           |                  |                  |                    |                    | Indoor Conditions (DB °F) |                  |                  |                    |                    |
|                  |                   | 60.8°F<br>(16.0°C)                  | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) | 60.8°F<br>(16.0°C)        | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) |
| 188              | -22°F(-30.0°C)    | 3214                                | 3150             | 3134             | 3292               | 3263               | 1.30                      | 1.31             | 1.31             | 1.32               | 1.32               |
|                  | -13°F(-25.0°C)    | 4178                                | 4094             | 4074             | 4115               | 4078               | 1.36                      | 1.37             | 1.38             | 1.38               | 1.38               |
|                  | -4°F(-20.0°C)     | 5710                                | 5596             | 5568             | 5624               | 5574               | 1.47                      | 1.48             | 1.49             | 1.49               | 1.49               |
|                  | 0°F(-17.8°C)      | 6669                                | 6536             | 6503             | 6569               | 6510               | 1.57                      | 1.58             | 1.58             | 1.59               | 1.59               |
|                  | 5°F(-15.0°C)      | 7869                                | 7711             | 7673             | 7751               | 7681               | 1.69                      | 1.71             | 1.71             | 1.71               | 1.72               |
|                  | 14°F(-10.0°C)     | 8391                                | 8223             | 8182             | 8265               | 8191               | 1.64                      | 1.66             | 1.66             | 1.66               | 1.67               |
|                  | 17°F(-8.3°C)      | 8565                                | 8394             | 8352             | 8436               | 8361               | 1.63                      | 1.64             | 1.64             | 1.65               | 1.65               |
|                  | 22°F(-5.6°C)      | 8882                                | 8705             | 8661             | 8749               | 8670               | 1.61                      | 1.63             | 1.63             | 1.63               | 1.64               |
|                  | 27°F(-2.8°C)      | 9199                                | 9015             | 8970             | 9061               | 8980               | 1.60                      | 1.61             | 1.61             | 1.62               | 1.62               |
|                  | 32°F(0.0°C)       | 9517                                | 9326             | 9280             | 9374               | 9290               | 1.58                      | 1.60             | 1.60             | 1.60               | 1.61               |
|                  | 35°F(1.7°C)       | 9707                                | 9513             | 9465             | 9561               | 9475               | 1.58                      | 1.59             | 1.59             | 1.60               | 1.60               |
|                  | 37°F(2.8°C)       | 9981                                | 9781             | 9732             | 9831               | 9743               | 1.53                      | 1.54             | 1.55             | 1.55               | 1.55               |
|                  | 42°F(5.6°C)       | 10666                               | 10452            | 10400            | 10506              | 10411              | 1.41                      | 1.42             | 1.43             | 1.43               | 1.44               |
|                  | 44.6°F(7.0°C)     | 10939                               | 10721            | 10667            | 10775              | 10678              | 1.37                      | 1.38             | 1.38             | 1.38               | 1.39               |
|                  | 47°F(8.3°C)       | 11350                               | 11123            | 11068            | 11180              | 11079              | 1.30                      | 1.31             | 1.31             | 1.31               | 1.32               |
|                  | 52°F(11.1°C)      | 11168                               | 10945            | 10890            | 11001              | 10902              | 1.14                      | 1.15             | 1.15             | 1.16               | 1.16               |
|                  | 57°F(13.9°C)      | 10987                               | 10767            | 10713            | 10822              | 10724              | 0.99                      | 1.00             | 1.00             | 1.00               | 1.00               |
|                  | 59°F(15.0°C)      | 10914                               | 10696            | 10642            | 10750              | 10653              | 0.93                      | 0.93             | 0.94             | 0.94               | 0.94               |
| 324              | 62°F(16.7°C)      | 10805                               | 10589            | 10536            | 10643              | 10547              | 0.83                      | 0.84             | 0.84             | 0.84               | 0.85               |
|                  | 64.4°F(18.0°C)    | 10732                               | 10517            | 10465            | 10571              | 10476              | 0.77                      | 0.78             | 0.78             | 0.78               | 0.79               |
|                  | -22°F(-30.0°C)    | 3729                                | 3654             | 3636             | 3719               | 3686               | 1.31                      | 1.32             | 1.33             | 1.33               | 1.33               |
|                  | -13°F(-25.0°C)    | 4754                                | 4658             | 4635             | 4649               | 4607               | 1.38                      | 1.39             | 1.39             | 1.39               | 1.40               |
|                  | -4°F(-20.0°C)     | 6496                                | 6367             | 6335             | 6354               | 6297               | 1.49                      | 1.50             | 1.50             | 1.50               | 1.51               |
|                  | 0°F(-17.8°C)      | 7588                                | 7436             | 7399             | 7422               | 7355               | 1.58                      | 1.60             | 1.60             | 1.60               | 1.61               |
|                  | 5°F(-15.0°C)      | 8952                                | 8773             | 8730             | 8756               | 8677               | 1.71                      | 1.72             | 1.73             | 1.73               | 1.74               |
|                  | 14°F(-10.0°C)     | 9547                                | 9356             | 9309             | 9337               | 9253               | 1.66                      | 1.67             | 1.68             | 1.68               | 1.69               |
|                  | 17°F(-8.3°C)      | 9745                                | 9550             | 9502             | 9531               | 9445               | 1.64                      | 1.66             | 1.66             | 1.66               | 1.67               |
|                  | 22°F(-5.6°C)      | 10106                               | 9904             | 9854             | 9884               | 9795               | 1.63                      | 1.64             | 1.64             | 1.65               | 1.65               |
|                  | 27°F(-2.8°C)      | 10467                               | 10257            | 10206            | 10237              | 10145              | 1.61                      | 1.63             | 1.63             | 1.63               | 1.64               |
|                  | 32°F(0.0°C)       | 10827                               | 10611            | 10558            | 10590              | 10495              | 1.60                      | 1.61             | 1.62             | 1.62               | 1.63               |
|                  | 35°F(1.7°C)       | 11044                               | 10823            | 10769            | 10802              | 10705              | 1.59                      | 1.60             | 1.61             | 1.61               | 1.62               |
|                  | 37°F(2.8°C)       | 11356                               | 11129            | 11073            | 11107              | 11007              | 1.55                      | 1.56             | 1.56             | 1.56               | 1.57               |
|                  | 42°F(5.6°C)       | 12135                               | 11892            | 11833            | 11869              | 11762              | 1.43                      | 1.44             | 1.44             | 1.44               | 1.45               |
|                  | 44.6°F(7.0°C)     | 12446                               | 12197            | 12136            | 12173              | 12064              | 1.38                      | 1.39             | 1.39             | 1.40               | 1.40               |
|                  | 47°F(8.3°C)       | 12914                               | 12655            | 12592            | 12631              | 12517              | 1.31                      | 1.32             | 1.32             | 1.33               | 1.33               |
|                  | 52°F(11.1°C)      | 12707                               | 12453            | 12390            | 12428              | 12316              | 1.15                      | 1.16             | 1.17             | 1.17               | 1.17               |
| 376              | 57°F(13.9°C)      | 12500                               | 12250            | 12189            | 12226              | 12116              | 1.00                      | 1.01             | 1.01             | 1.01               | 1.02               |
|                  | 59°F(15.0°C)      | 12417                               | 12169            | 12108            | 12145              | 12036              | 0.94                      | 0.94             | 0.95             | 0.95               | 0.95               |
|                  | 62°F(16.7°C)      | 12293                               | 12047            | 11987            | 12023              | 11915              | 0.84                      | 0.85             | 0.85             | 0.85               | 0.86               |
|                  | 64.4°F(18.0°C)    | 12210                               | 11966            | 11906            | 11942              | 11835              | 0.78                      | 0.79             | 0.79             | 0.79               | 0.79               |
|                  | -22°F(-30.0°C)    | 4327                                | 4240             | 4219             | 4202               | 4164               | 1.33                      | 1.34             | 1.34             | 1.34               | 1.35               |
|                  | -13°F(-25.0°C)    | 5408                                | 5300             | 5274             | 5253               | 5205               | 1.39                      | 1.40             | 1.40             | 1.41               | 1.41               |
|                  | -4°F(-20.0°C)     | 7391                                | 7243             | 7207             | 7178               | 7114               | 1.50                      | 1.51             | 1.52             | 1.52               | 1.52               |
|                  | 0°F(-17.8°C)      | 8633                                | 8461             | 8418             | 8385               | 8309               | 1.60                      | 1.61             | 1.62             | 1.62               | 1.63               |
|                  | 5°F(-15.0°C)      | 10186                               | 9982             | 9932             | 9892               | 9803               | 1.73                      | 1.74             | 1.74             | 1.75               | 1.75               |
|                  | 14°F(-10.0°C)     | 10862                               | 10644            | 10591            | 10549              | 10454              | 1.68                      | 1.69             | 1.69             | 1.70               | 1.70               |
|                  | 17°F(-8.3°C)      | 11087                               | 10865            | 10811            | 10768              | 10671              | 1.66                      | 1.67             | 1.68             | 1.68               | 1.69               |
|                  | 22°F(-5.6°C)      | 11498                               | 11268            | 11211            | 11166              | 11066              | 1.64                      | 1.66             | 1.66             | 1.66               | 1.67               |
|                  | 27°F(-2.8°C)      | 11908                               | 11670            | 11612            | 11565              | 11461              | 1.63                      | 1.64             | 1.65             | 1.65               | 1.66               |
|                  | 32°F(0.0°C)       | 12319                               | 12073            | 12012            | 11964              | 11856              | 1.62                      | 1.63             | 1.63             | 1.64               | 1.64               |
|                  | 35°F(1.7°C)       | 12565                               | 12314            | 12252            | 12203              | 12094              | 1.61                      | 1.62             | 1.62             | 1.63               | 1.63               |
|                  | 37°F(2.8°C)       | 12920                               | 12661            | 12598            | 12548              | 12435              | 1.56                      | 1.57             | 1.58             | 1.58               | 1.59               |
|                  | 42°F(5.6°C)       | 13806                               | 13530            | 13462            | 13409              | 13288              | 1.44                      | 1.45             | 1.46             | 1.46               | 1.47               |
|                  | 44.6°F(7.0°C)     | 14161                               | 13877            | 13808            | 13753              | 13629              | 1.39                      | 1.41             | 1.41             | 1.41               | 1.42               |
|                  | 47°F(8.3°C)       | 14692                               | 14399            | 14327            | 14269              | 14141              | 1.32                      | 1.33             | 1.34             | 1.34               | 1.34               |
|                  | 52°F(11.1°C)      | 14457                               | 14168            | 14097            | 14041              | 13914              | 1.17                      | 1.18             | 1.18             | 1.18               | 1.18               |
|                  | 57°F(13.9°C)      | 14222                               | 13937            | 13868            | 13812              | 13688              | 1.01                      | 1.02             | 1.02             | 1.02               | 1.03               |
|                  | 59°F(15.0°C)      | 14127                               | 13845            | 13776            | 13721              | 13597              | 0.95                      | 0.95             | 0.96             | 0.96               | 0.96               |
|                  | 62°F(16.7°C)      | 13986                               | 13706            | 13638            | 13583              | 13461              | 0.85                      | 0.86             | 0.86             | 0.86               | 0.87               |
|                  | 64.4°F(18.0°C)    | 13892                               | 13614            | 13546            | 13492              | 13371              | 0.79                      | 0.80             | 0.80             | 0.80               | 0.80               |

## HEATING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 12 (Sheet 2 of 2)

| AIRFLOW<br>(CFM) | OUTDOOR<br>DB(°F) | TC: Total Heating Capacity (BTU/hr) |                  |                  |                    |                    | PI: Power Input (kW)      |                  |                  |                    |                    |
|------------------|-------------------|-------------------------------------|------------------|------------------|--------------------|--------------------|---------------------------|------------------|------------------|--------------------|--------------------|
|                  |                   | Indoor Conditions (DB °F)           |                  |                  |                    |                    | Indoor Conditions (DB °F) |                  |                  |                    |                    |
|                  |                   | 60.8°F<br>(16.0°C)                  | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) | 60.8°F<br>(16.0°C)        | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) |
| 441              | -22°F(-30.0°C)    | 4923                                | 4824             | 4800             | 4781               | 4738               | 1.34                      | 1.35             | 1.35             | 1.36               | 1.36               |
|                  | -13°F(-25.0°C)    | 6153                                | 6030             | 6000             | 5976               | 5922               | 1.40                      | 1.42             | 1.42             | 1.42               | 1.43               |
|                  | -4°F(-20.0°C)     | 8409                                | 8241             | 8200             | 8167               | 8094               | 1.52                      | 1.53             | 1.53             | 1.53               | 1.54               |
|                  | 0°F(-17.8°C)      | 9822                                | 9626             | 9578             | 9539               | 9454               | 1.62                      | 1.63             | 1.63             | 1.64               | 1.64               |
|                  | 5°F(-15.0°C)      | 11589                               | 11357            | 11300            | 11255              | 11154              | 1.74                      | 1.76             | 1.76             | 1.77               | 1.77               |
|                  | 14°F(-10.0°C)     | 12358                               | 12111            | 12050            | 12002              | 11894              | 1.69                      | 1.71             | 1.71             | 1.71               | 1.72               |
|                  | 17°F(-8.3°C)      | 12614                               | 12362            | 12300            | 12251              | 12141              | 1.68                      | 1.69             | 1.69             | 1.70               | 1.70               |
|                  | 22°F(-5.6°C)      | 13081                               | 12820            | 12756            | 12705              | 12590              | 1.66                      | 1.67             | 1.68             | 1.68               | 1.69               |
|                  | 27°F(-2.8°C)      | 13549                               | 13278            | 13211            | 13158              | 13040              | 1.65                      | 1.66             | 1.66             | 1.67               | 1.67               |
|                  | 32°F(-0.0°C)      | 14016                               | 13735            | 13667            | 13612              | 13490              | 1.63                      | 1.65             | 1.65             | 1.65               | 1.66               |
|                  | 35°F(1.7°C)       | 14296                               | 14010            | 13940            | 13884              | 13759              | 1.62                      | 1.64             | 1.64             | 1.64               | 1.65               |
|                  | 37°F(2.8°C)       | 14699                               | 14405            | 14333            | 14276              | 14148              | 1.58                      | 1.59             | 1.59             | 1.60               | 1.60               |
|                  | 42°F(5.6°C)       | 15708                               | 15394            | 15317            | 15255              | 15118              | 1.46                      | 1.47             | 1.47             | 1.47               | 1.48               |
|                  | 44.6°F(7.0°C)     | 16111                               | 15789            | 15710            | 15647              | 15506              | 1.41                      | 1.42             | 1.42             | 1.43               | 1.43               |
|                  | 47°F(8.3°C)       | 16716                               | 16382            | 16300            | 16235              | 16089              | 1.34                      | 1.35             | 1.35             | 1.35               | 1.36               |
|                  | 52°F(11.1°C)      | 16448                               | 16119            | 16039            | 15975              | 15831              | 1.18                      | 1.19             | 1.19             | 1.19               | 1.20               |
|                  | 57°F(13.9°C)      | 16181                               | 15857            | 15778            | 15715              | 15573              | 1.02                      | 1.03             | 1.03             | 1.03               | 1.04               |
|                  | 59°F(15.0°C)      | 16073                               | 15752            | 15673            | 15610              | 15470              | 0.96                      | 0.96             | 0.97             | 0.97               | 0.97               |
|                  | 62°F(16.7°C)      | 15913                               | 15594            | 15516            | 15454              | 15315              | 0.86                      | 0.87             | 0.87             | 0.87               | 0.87               |
|                  | 64.4°F(18.0°C)    | 15806                               | 15489            | 15412            | 15350              | 15212              | 0.80                      | 0.80             | 0.81             | 0.81               | 0.81               |

**Table 27 — Console Cooling Performance (18K)**

COOLING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 18 (Sheet 1 of 4)

| AIRFLOW<br>(CFM) | OUTDOOR<br>DB(°F)  | ID WB(°F) | 60.8°F(16.0°C)     |                    |                    |                    |                    | 64.4°F(18.0°C)     |                    |                    |                    |                    | 67°F(19.4°C)       |                    |                    |                    |                    | 71.6°F(22.0°C)     |                    |                    |                    |                    |
|------------------|--------------------|-----------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                  |                    | ID DB(°F) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) |
| 324              | -22°F<br>(-30.0°C) | TC        | 8531               | 8542               | 8551               | 8552               | 8563               | 9045               | 9056               | 9064               | 9066               | 9077               | 9585               | 9598               | 9608               | 9610               | 9621               | 10163              | 10174              | 10185              | 10186              | 10199              |
|                  |                    | S/T       | 0.36               | 0.42               | 0.48               | 0.48               | 0.54               | 0.38               | 0.44               | 0.51               | 0.51               | 0.58               | 0.40               | 0.47               | 0.54               | 0.54               | 0.61               | 0.43               | 0.50               | 0.57               | 0.57               | 0.65               |
|                  |                    | PI        | 0.33               | 0.33               | 0.33               | 0.33               | 0.33               | 0.35               | 0.35               | 0.35               | 0.35               | 0.35               | 0.37               | 0.37               | 0.37               | 0.37               | 0.37               | 0.39               | 0.39               | 0.39               | 0.39               | 0.39               |
|                  | -13°F<br>(-25.0°C) | TC        | 9242               | 9254               | 9264               | 9264               | 9277               | 9799               | 9810               | 9820               | 9822               | 9833               | 10384              | 10397              | 10409              | 10411              | 10423              | 11010              | 11022              | 11034              | 11035              | 11049              |
|                  |                    | S/T       | 0.36               | 0.42               | 0.48               | 0.48               | 0.55               | 0.38               | 0.45               | 0.51               | 0.51               | 0.58               | 0.40               | 0.47               | 0.54               | 0.54               | 0.61               | 0.43               | 0.50               | 0.57               | 0.57               | 0.65               |
|                  |                    | PI        | 0.36               | 0.36               | 0.36               | 0.36               | 0.36               | 0.38               | 0.38               | 0.38               | 0.38               | 0.38               | 0.40               | 0.40               | 0.40               | 0.40               | 0.40               | 0.43               | 0.43               | 0.43               | 0.43               | 0.43               |
|                  | -4°F<br>(-20.0°C)  | TC        | 9953               | 9966               | 9977               | 9977               | 9991               | 10552              | 10565              | 10575              | 10577              | 10590              | 11183              | 11197              | 11210              | 11212              | 11224              | 11857              | 11869              | 11882              | 11884              | 11899              |
|                  |                    | S/T       | 0.36               | 0.42               | 0.48               | 0.48               | 0.55               | 0.38               | 0.45               | 0.51               | 0.51               | 0.58               | 0.41               | 0.48               | 0.54               | 0.54               | 0.62               | 0.43               | 0.51               | 0.57               | 0.57               | 0.66               |
|                  |                    | PI        | 0.39               | 0.39               | 0.39               | 0.39               | 0.39               | 0.41               | 0.41               | 0.41               | 0.41               | 0.41               | 0.43               | 0.43               | 0.43               | 0.43               | 0.43               | 0.46               | 0.46               | 0.46               | 0.46               | 0.46               |
|                  | 0°F<br>(-17.8°C)   | TC        | 10268              | 10282              | 10293              | 10294              | 10308              | 10887              | 10900              | 10911              | 10913              | 10926              | 11538              | 11553              | 11566              | 11568              | 11581              | 12233              | 12246              | 12260              | 12261              | 12277              |
|                  |                    | S/T       | 0.36               | 0.43               | 0.48               | 0.48               | 0.55               | 0.38               | 0.45               | 0.51               | 0.51               | 0.58               | 0.41               | 0.48               | 0.54               | 0.54               | 0.62               | 0.43               | 0.51               | 0.58               | 0.58               | 0.66               |
|                  |                    | PI        | 0.40               | 0.40               | 0.40               | 0.40               | 0.40               | 0.42               | 0.42               | 0.42               | 0.42               | 0.42               | 0.45               | 0.45               | 0.45               | 0.45               | 0.45               | 0.47               | 0.47               | 0.47               | 0.47               | 0.48               |
|                  | 5°F<br>(-15.0°C)   | TC        | 10663              | 10678              | 10689              | 10690              | 10704              | 11306              | 11319              | 11331              | 11333              | 11346              | 11981              | 11997              | 12010              | 12013              | 12026              | 12703              | 12717              | 12731              | 12733              | 12749              |
|                  |                    | S/T       | 0.36               | 0.43               | 0.49               | 0.49               | 0.55               | 0.39               | 0.45               | 0.52               | 0.52               | 0.59               | 0.41               | 0.48               | 0.55               | 0.55               | 0.62               | 0.43               | 0.51               | 0.58               | 0.58               | 0.66               |
|                  |                    | PI        | 0.41               | 0.41               | 0.41               | 0.41               | 0.41               | 0.44               | 0.44               | 0.44               | 0.44               | 0.44               | 0.46               | 0.46               | 0.46               | 0.47               | 0.47               | 0.49               | 0.49               | 0.49               | 0.49               | 0.49               |
|                  | 14°F<br>(-10.0°C)  | TC        | 11202              | 11217              | 11229              | 11229              | 11244              | 11877              | 11891              | 11902              | 11905              | 11919              | 12586              | 12603              | 12617              | 12619              | 12633              | 13345              | 13359              | 13374              | 13376              | 13392              |
|                  |                    | S/T       | 0.37               | 0.43               | 0.49               | 0.49               | 0.56               | 0.39               | 0.45               | 0.52               | 0.52               | 0.59               | 0.41               | 0.48               | 0.55               | 0.55               | 0.62               | 0.44               | 0.51               | 0.58               | 0.58               | 0.66               |
|                  |                    | PI        | 0.42               | 0.42               | 0.42               | 0.42               | 0.42               | 0.44               | 0.44               | 0.44               | 0.44               | 0.44               | 0.47               | 0.47               | 0.47               | 0.47               | 0.47               | 0.50               | 0.50               | 0.50               | 0.50               | 0.50               |
|                  | 17°F<br>(-8.3°C)   | TC        | 11381              | 11396              | 11409              | 11409              | 11424              | 12067              | 12081              | 12093              | 12095              | 12110              | 12788              | 12804              | 12819              | 12821              | 12835              | 13558              | 13573              | 13588              | 13590              | 13607              |
|                  |                    | S/T       | 0.37               | 0.43               | 0.49               | 0.49               | 0.56               | 0.39               | 0.46               | 0.52               | 0.52               | 0.59               | 0.41               | 0.48               | 0.55               | 0.55               | 0.63               | 0.44               | 0.51               | 0.58               | 0.58               | 0.66               |
|                  |                    | PI        | 0.42               | 0.42               | 0.42               | 0.42               | 0.42               | 0.44               | 0.44               | 0.44               | 0.44               | 0.45               | 0.47               | 0.47               | 0.47               | 0.47               | 0.47               | 0.50               | 0.50               | 0.50               | 0.50               | 0.50               |
|                  | 23°F<br>(-5.0°C)   | TC        | 11760              | 11775              | 11788              | 11789              | 11805              | 12468              | 12483              | 12495              | 12498              | 12513              | 13213              | 13230              | 13245              | 13248              | 13262              | 14009              | 14025              | 14040              | 14042              | 14059              |
|                  |                    | S/T       | 0.37               | 0.43               | 0.49               | 0.49               | 0.56               | 0.39               | 0.46               | 0.52               | 0.52               | 0.59               | 0.41               | 0.49               | 0.55               | 0.55               | 0.63               | 0.44               | 0.51               | 0.58               | 0.58               | 0.67               |
|                  |                    | PI        | 0.43               | 0.43               | 0.43               | 0.43               | 0.43               | 0.46               | 0.46               | 0.46               | 0.46               | 0.46               | 0.48               | 0.48               | 0.48               | 0.48               | 0.49               | 0.51               | 0.51               | 0.51               | 0.51               | 0.51               |
|                  | 35°F<br>(1.7°C)    | TC        | 12517              | 12534              | 12547              | 12548              | 12565              | 13271              | 13287              | 13300              | 13303              | 13318              | 14064              | 14082              | 14098              | 14101              | 14116              | 14911              | 14928              | 14944              | 14946              | 14965              |
|                  |                    | S/T       | 0.37               | 0.43               | 0.49               | 0.49               | 0.56               | 0.39               | 0.46               | 0.52               | 0.52               | 0.60               | 0.42               | 0.49               | 0.55               | 0.55               | 0.63               | 0.44               | 0.52               | 0.59               | 0.59               | 0.67               |
|                  |                    | PI        | 0.45               | 0.45               | 0.45               | 0.45               | 0.46               | 0.48               | 0.48               | 0.48               | 0.48               | 0.48               | 0.51               | 0.51               | 0.51               | 0.51               | 0.51               | 0.54               | 0.54               | 0.54               | 0.54               | 0.54               |
|                  | 41°F<br>(5.0°C)    | TC        | 12263              | 12280              | 12293              | 12293              | 12310              | 13002              | 13018              | 13030              | 13033              | 13048              | 13779              | 13797              | 13812              | 13815              | 13830              | 14609              | 14625              | 14641              | 14643              | 14661              |
|                  |                    | S/T       | 0.37               | 0.44               | 0.49               | 0.49               | 0.56               | 0.39               | 0.46               | 0.52               | 0.52               | 0.60               | 0.42               | 0.49               | 0.56               | 0.56               | 0.63               | 0.44               | 0.52               | 0.59               | 0.59               | 0.67               |
|                  |                    | PI        | 0.49               | 0.49               | 0.50               | 0.50               | 0.50               | 0.52               | 0.52               | 0.53               | 0.53               | 0.53               | 0.56               | 0.56               | 0.56               | 0.56               | 0.56               | 0.59               | 0.59               | 0.59               | 0.59               | 0.59               |
|                  | 47°F<br>(8.3°C)    | TC        | 12009              | 12026              | 12038              | 12039              | 12055              | 12733              | 12748              | 12761              | 12763              | 12778              | 13494              | 13511              | 13526              | 13529              | 13544              | 14307              | 14322              | 14338              | 14340              | 14358              |
|                  |                    | S/T       | 0.37               | 0.44               | 0.50               | 0.50               | 0.57               | 0.39               | 0.46               | 0.53               | 0.53               | 0.60               | 0.42               | 0.49               | 0.56               | 0.56               | 0.64               | 0.44               | 0.52               | 0.59               | 0.59               | 0.67               |
|                  |                    | PI        | 0.53               | 0.54               | 0.54               | 0.54               | 0.54               | 0.57               | 0.57               | 0.57               | 0.57               | 0.57               | 0.60               | 0.60               | 0.60               | 0.60               | 0.60               | 0.64               | 0.64               | 0.64               | 0.64               | 0.64               |
|                  | 50°F<br>(10.0°C)   | TC        | 12129              | 12145              | 12159              | 12159              | 12175              | 12860              | 12875              | 12888              | 12891              | 12906              | 13628              | 13646              | 13661              | 13664              | 13679              | 14450              | 14465              | 14481              | 14483              | 14501              |
|                  |                    | S/T       | 0.37               | 0.44               | 0.50               | 0.50               | 0.57               | 0.40               | 0.47               | 0.53               | 0.53               | 0.60               | 0.42               | 0.49               | 0.56               | 0.56               | 0.64               | 0.45               | 0.52               | 0.59               | 0.59               | 0.68               |
|                  |                    | PI        | 0.55               | 0.55               | 0.55               | 0.55               | 0.55               | 0.58               | 0.58               | 0.59               | 0.59               | 0.59               | 0.62               | 0.62               | 0.62               | 0.62               | 0.62               | 0.66               | 0.66               | 0.66               | 0.66               | 0.66               |
|                  | 59°F<br>(15.0°C)   | TC        | 12488              | 12505              | 12519              | 12519              | 12536              | 13241              | 13257              | 13270              | 13272              | 13288              | 14032              | 14050              | 14066              | 14069              | 14084              | 14878              | 14894              | 14910              | 14912              | 14931              |
|                  |                    | S/T       | 0.38               | 0.44               | 0.50               | 0.50               | 0.57               | 0.40               | 0.47               | 0.53               | 0.53               | 0.61               | 0.42               | 0.50               | 0.56               | 0.56               | 0.64               | 0.45               | 0.53               | 0.60               | 0.60               | 0.68               |
|                  |                    | PI        | 0.60               | 0.60               | 0.60               | 0.60               | 0.60               | 0.64               | 0.64               | 0.64               | 0.64               | 0.64               | 0.67               | 0.67               | 0.68               | 0.68               | 0.68               | 0.71               | 0.72               | 0.72               | 0.72               | 0.72               |
|                  | 68°F<br>(20.0°C)   | TC        | 12848              | 12865              | 12879              | 12879              | 12897              | 13622              | 13638              | 13652              | 13654              | 13671              | 14436              | 14455              | 14471              | 14473              | 14490              | 15306              | 15322              | 15339              | 15341              | 15360              |
|                  |                    | S/T       | 0.39               | 0.45               | 0.51               | 0.51               | 0.59               | 0.41               | 0.48               | 0.55               | 0.55               | 0.62               | 0.43               | 0.51               | 0.58               | 0.58               | 0.66               | 0.46               | 0.54               | 0.61               | 0.61               | 0.70               |
|                  |                    | PI        | 0.65               | 0.65               | 0.65               | 0.65               | 0.65               | 0.69               | 0.69               | 0.69               | 0.69               | 0.69               | 0.73               | 0.73               | 0.73               | 0.73               | 0.73               | 0.77               | 0.77               | 0.77               | 0.77               | 0.77               |
|                  | 77°F<br>(25.0°C)   | TC        | 13207              | 13225              | 13239              | 13240              | 13258              | 14003              | 14020              | 14033              | 14036              | 14053              | 14840              | 14859              | 14875              | 14878              | 14895              | 15734              | 15751              | 15768              | 15770              | 15790              |
|                  |                    | S/T       | 0.39               | 0.46               | 0.52               | 0.52               | 0.59               | 0.41               | 0.49               | 0.55               | 0.55               | 0.63               | 0.44               | 0.52               | 0.59               | 0.59               | 0.67               | 0.47               | 0.55               | 0.62               | 0.62               | 0.71               |
|                  |                    | PI        | 0.70               | 0.70               | 0.70               | 0.70               | 0.74               | 0.74               | 0.74               | 0.74               | 0.74               | 0.74               | 0.78               | 0.78               | 0.78               | 0.78               | 0.79               | 0.83               | 0.83               | 0.83               | 0.83               | 0.83               |
|                  | 82°F<br>(27.8°C)   | TC        | 13087              | 13105              | 13119              | 13119              | 13137              | 13876              | 13892              | 13906              | 13909              | 13925              | 14705              | 14724              | 14740              | 14743              | 14759              | 15591              | 15608              | 15625              | 15627              | 15646              |
|                  |                    | S/T       | 0.40               | 0.46               | 0.53               | 0.53               | 0.60               | 0.42               | 0.49               | 0.56               | 0.56               | 0.64               | 0.44               | 0.52               | 0.59               | 0.59               | 0.68               | 0.47               | 0.55               | 0.63               | 0.63               | 0.72               |
|                  |                    | PI        | 0.76               | 0.76               | 0.76               | 0.76               | 0.76               | 0.80               | 0.81               | 0.81               | 0.81               | 0.81               | 0.85               | 0.85               | 0.85               | 0.86               | 0.86               | 0.90               | 0.91               | 0.91               | 0.91               | 0.91               |
|                  | 86°F<br>(30.0°C)   | TC        | 12587              | 12604              | 12618              | 12618              | 12635              | 13346              | 13362              | 13375              | 13378              | 13393              | 14143              | 14162              | 14177              | 14180              | 14196              | 14995              | 15012              | 15028              | 15030              | 15049              |
|                  |                    | S/T       | 0.40               | 0.47               | 0.53               | 0.53               | 0.61               | 0.42               | 0.50               | 0.57               | 0.57               | 0.65               | 0.45               | 0.53               | 0.60               | 0.60               | 0.68               | 0.48               | 0.56               | 0.64               | 0.64               | 0.73               |
|                  |                    | PI        | 0.85               | 0.85               | 0.86               | 0.86               | 0.86               | 0.90               | 0.91               | 0.91               | 0.91               | 0.91               | 0.96               | 0.96               | 0.96               | 0.96               | 0.96               | 1.02               | 1.02               | 1.02               | 1.02               | 1.02               |
|                  | 95°F<br>(35.0°C)   | TC        | 11463              | 11479              | 11491              | 11491              | 11507              | 12154              | 12168              | 12180              |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |

COOLING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 18 (Sheet 2 of 4)

| AIRFLOW<br>(CFM) | OUTDOOR<br>DB(°F)  | ID WB(°F)<br>ID DB(°F) | 60.8°F(16.0°C)     |                    |                    |                    |                    | 64.4°F(18.0°C)     |                    |                    |                    |                    | 67°F(19.4°C)       |                    |                    |                    |                    | 71.6°F(22.0°C)     |                    |                    |                    |                    |
|------------------|--------------------|------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                  |                    |                        | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) |
| 382              | -22°F<br>(-30.0°C) | TC                     | 9387               | 9399               | 9409               | 9410               | 9422               | 9952               | 9964               | 9974               | 9976               | 9988               | 10547              | 10561              | 10572              | 10574              | 10586              | 11182              | 11194              | 11207              | 11208              | 11222              |
|                  |                    | S/T                    | 0.39               | 0.46               | 0.52               | 0.52               | 0.60               | 0.42               | 0.49               | 0.56               | 0.56               | 0.63               | 0.44               | 0.52               | 0.59               | 0.59               | 0.67               | 0.47               | 0.55               | 0.62               | 0.62               | 0.71               |
|                  |                    | PI                     | 0.36               | 0.36               | 0.36               | 0.36               | 0.36               | 0.39               | 0.39               | 0.39               | 0.39               | 0.39               | 0.41               | 0.41               | 0.41               | 0.41               | 0.41               | 0.43               | 0.43               | 0.43               | 0.43               | 0.43               |
|                  | -13°F<br>(-25.0°C) | TC                     | 10169              | 10182              | 10193              | 10194              | 10208              | 10782              | 10794              | 10805              | 10807              | 10820              | 11426              | 11441              | 11453              | 11455              | 11468              | 12114              | 12127              | 12141              | 12142              | 12158              |
|                  |                    | S/T                    | 0.40               | 0.46               | 0.53               | 0.53               | 0.60               | 0.42               | 0.49               | 0.56               | 0.56               | 0.64               | 0.44               | 0.52               | 0.59               | 0.59               | 0.68               | 0.47               | 0.55               | 0.63               | 0.63               | 0.72               |
|                  |                    | PI                     | 0.39               | 0.39               | 0.39               | 0.39               | 0.40               | 0.42               | 0.42               | 0.42               | 0.42               | 0.42               | 0.44               | 0.44               | 0.44               | 0.44               | 0.44               | 0.47               | 0.47               | 0.47               | 0.47               | 0.47               |
|                  | -4°F<br>(-20.0°C)  | TC                     | 10951              | 10966              | 10978              | 10978              | 10993              | 11611              | 11625              | 11636              | 11638              | 11652              | 12305              | 12321              | 12334              | 12337              | 12350              | 13046              | 13060              | 13074              | 13076              | 13093              |
|                  |                    | S/T                    | 0.40               | 0.47               | 0.53               | 0.53               | 0.61               | 0.42               | 0.50               | 0.56               | 0.56               | 0.64               | 0.45               | 0.52               | 0.60               | 0.60               | 0.68               | 0.47               | 0.56               | 0.63               | 0.63               | 0.72               |
|                  |                    | PI                     | 0.42               | 0.42               | 0.43               | 0.43               | 0.43               | 0.45               | 0.45               | 0.45               | 0.45               | 0.45               | 0.48               | 0.48               | 0.48               | 0.48               | 0.48               | 0.51               | 0.51               | 0.51               | 0.51               | 0.51               |
|                  | 0°F<br>(-17.8°C)   | TC                     | 11299              | 11314              | 11326              | 11327              | 11342              | 11980              | 11994              | 12006              | 12008              | 12022              | 12695              | 12712              | 12726              | 12728              | 12742              | 13460              | 13475              | 13489              | 13492              | 13508              |
|                  |                    | S/T                    | 0.40               | 0.47               | 0.53               | 0.53               | 0.61               | 0.42               | 0.50               | 0.56               | 0.56               | 0.64               | 0.45               | 0.53               | 0.60               | 0.60               | 0.68               | 0.48               | 0.56               | 0.63               | 0.63               | 0.72               |
|                  |                    | PI                     | 0.44               | 0.44               | 0.44               | 0.44               | 0.44               | 0.46               | 0.46               | 0.46               | 0.46               | 0.47               | 0.49               | 0.49               | 0.49               | 0.49               | 0.49               | 0.52               | 0.52               | 0.52               | 0.52               | 0.52               |
|                  | 5°F<br>(-15.0°C)   | TC                     | 11733              | 11749              | 11762              | 11762              | 11778              | 12440              | 12455              | 12467              | 12470              | 12485              | 13184              | 13201              | 13215              | 13218              | 13233              | 13978              | 13993              | 14008              | 14010              | 14028              |
|                  |                    | S/T                    | 0.40               | 0.47               | 0.53               | 0.54               | 0.61               | 0.43               | 0.50               | 0.57               | 0.57               | 0.65               | 0.45               | 0.53               | 0.60               | 0.60               | 0.69               | 0.48               | 0.56               | 0.64               | 0.64               | 0.73               |
|                  |                    | PI                     | 0.45               | 0.45               | 0.46               | 0.46               | 0.46               | 0.48               | 0.48               | 0.48               | 0.48               | 0.48               | 0.51               | 0.51               | 0.51               | 0.51               | 0.51               | 0.54               | 0.54               | 0.54               | 0.54               | 0.54               |
|                  | 14°F<br>(-10.0°C)  | TC                     | 12325              | 12342              | 12355              | 12356              | 12372              | 13068              | 13084              | 13097              | 13099              | 13115              | 13849              | 13867              | 13882              | 13885              | 13900              | 14683              | 14699              | 14715              | 14718              | 14736              |
|                  |                    | S/T                    | 0.40               | 0.47               | 0.54               | 0.54               | 0.61               | 0.43               | 0.50               | 0.57               | 0.57               | 0.65               | 0.45               | 0.53               | 0.60               | 0.60               | 0.69               | 0.48               | 0.56               | 0.64               | 0.64               | 0.73               |
|                  |                    | PI                     | 0.46               | 0.46               | 0.46               | 0.46               | 0.46               | 0.49               | 0.49               | 0.49               | 0.49               | 0.49               | 0.52               | 0.52               | 0.52               | 0.52               | 0.52               | 0.55               | 0.55               | 0.55               | 0.55               | 0.55               |
|                  | 17°F<br>(-8.3°C)   | TC                     | 12523              | 12540              | 12553              | 12554              | 12571              | 13277              | 13293              | 13306              | 13309              | 13325              | 14071              | 14089              | 14105              | 14107              | 14123              | 14918              | 14935              | 14951              | 14953              | 14972              |
|                  |                    | S/T                    | 0.40               | 0.47               | 0.54               | 0.54               | 0.61               | 0.43               | 0.50               | 0.57               | 0.57               | 0.65               | 0.45               | 0.53               | 0.60               | 0.60               | 0.69               | 0.48               | 0.56               | 0.64               | 0.64               | 0.73               |
|                  |                    | PI                     | 0.46               | 0.46               | 0.46               | 0.46               | 0.46               | 0.49               | 0.49               | 0.49               | 0.49               | 0.49               | 0.52               | 0.52               | 0.52               | 0.52               | 0.52               | 0.55               | 0.55               | 0.55               | 0.55               | 0.55               |
|                  | 23°F<br>(-5.0°C)   | TC                     | 12939              | 12957              | 12971              | 12971              | 12989              | 13719              | 13735              | 13749              | 13752              | 13768              | 14539              | 14558              | 14574              | 14577              | 14593              | 15415              | 15432              | 15448              | 15451              | 15470              |
|                  |                    | S/T                    | 0.41               | 0.48               | 0.54               | 0.54               | 0.62               | 0.43               | 0.50               | 0.57               | 0.57               | 0.65               | 0.46               | 0.53               | 0.61               | 0.61               | 0.69               | 0.48               | 0.57               | 0.64               | 0.64               | 0.73               |
|                  |                    | PI                     | 0.47               | 0.47               | 0.47               | 0.47               | 0.48               | 0.50               | 0.50               | 0.50               | 0.50               | 0.50               | 0.53               | 0.53               | 0.53               | 0.53               | 0.53               | 0.56               | 0.56               | 0.57               | 0.57               | 0.57               |
|                  | 35°F<br>(1.7°C)    | TC                     | 13773              | 13791              | 13806              | 13807              | 13825              | 14603              | 14620              | 14634              | 14637              | 14655              | 15475              | 15495              | 15512              | 15515              | 15533              | 16407              | 16425              | 16443              | 16446              | 16466              |
|                  |                    | S/T                    | 0.41               | 0.48               | 0.54               | 0.54               | 0.62               | 0.43               | 0.51               | 0.58               | 0.58               | 0.66               | 0.46               | 0.54               | 0.61               | 0.61               | 0.70               | 0.49               | 0.57               | 0.65               | 0.65               | 0.74               |
|                  |                    | PI                     | 0.50               | 0.50               | 0.50               | 0.50               | 0.50               | 0.53               | 0.53               | 0.53               | 0.53               | 0.53               | 0.56               | 0.56               | 0.56               | 0.56               | 0.56               | 0.59               | 0.60               | 0.60               | 0.60               | 0.60               |
|                  | 41°F<br>(5.0°C)    | TC                     | 13493              | 13512              | 13526              | 13527              | 13545              | 14307              | 14323              | 14338              | 14340              | 14357              | 15161              | 15181              | 15198              | 15201              | 15218              | 16075              | 16092              | 16110              | 16112              | 16132              |
|                  |                    | S/T                    | 0.41               | 0.48               | 0.54               | 0.54               | 0.62               | 0.43               | 0.51               | 0.58               | 0.58               | 0.66               | 0.46               | 0.54               | 0.61               | 0.61               | 0.70               | 0.49               | 0.57               | 0.65               | 0.65               | 0.74               |
|                  |                    | PI                     | 0.54               | 0.54               | 0.55               | 0.55               | 0.55               | 0.58               | 0.58               | 0.58               | 0.58               | 0.58               | 0.61               | 0.61               | 0.61               | 0.61               | 0.61               | 0.65               | 0.65               | 0.65               | 0.65               | 0.65               |
|                  | 47°F<br>(8.3°C)    | TC                     | 13214              | 13232              | 13246              | 13247              | 13265              | 14011              | 14027              | 14041              | 14044              | 14060              | 14848              | 14867              | 14883              | 14886              | 14903              | 15742              | 15759              | 15776              | 15779              | 15799              |
|                  |                    | S/T                    | 0.41               | 0.48               | 0.55               | 0.55               | 0.62               | 0.43               | 0.51               | 0.58               | 0.58               | 0.66               | 0.46               | 0.54               | 0.61               | 0.61               | 0.70               | 0.49               | 0.57               | 0.65               | 0.65               | 0.74               |
|                  |                    | PI                     | 0.59               | 0.59               | 0.59               | 0.59               | 0.59               | 0.62               | 0.62               | 0.63               | 0.63               | 0.63               | 0.66               | 0.66               | 0.66               | 0.66               | 0.66               | 0.70               | 0.70               | 0.70               | 0.70               | 0.70               |
|                  | 50°F<br>(10.0°C)   | TC                     | 13346              | 13364              | 13378              | 13379              | 13397              | 14150              | 14167              | 14181              | 14184              | 14201              | 14996              | 15015              | 15032              | 15035              | 15051              | 15899              | 15916              | 15934              | 15936              | 15956              |
|                  |                    | S/T                    | 0.41               | 0.48               | 0.55               | 0.55               | 0.63               | 0.44               | 0.51               | 0.58               | 0.58               | 0.66               | 0.46               | 0.54               | 0.62               | 0.62               | 0.70               | 0.49               | 0.57               | 0.65               | 0.65               | 0.74               |
|                  |                    | PI                     | 0.61               | 0.61               | 0.61               | 0.61               | 0.61               | 0.64               | 0.64               | 0.64               | 0.64               | 0.65               | 0.68               | 0.68               | 0.68               | 0.68               | 0.68               | 0.72               | 0.72               | 0.72               | 0.72               | 0.72               |
|                  | 59°F<br>(15.0°C)   | TC                     | 13741              | 13760              | 13775              | 13775              | 13794              | 14569              | 14587              | 14601              | 14604              | 14621              | 15440              | 15460              | 15477              | 15480              | 15497              | 16370              | 16388              | 16406              | 16408              | 16429              |
|                  |                    | S/T                    | 0.41               | 0.49               | 0.55               | 0.55               | 0.63               | 0.44               | 0.51               | 0.58               | 0.58               | 0.67               | 0.46               | 0.55               | 0.62               | 0.62               | 0.71               | 0.49               | 0.58               | 0.66               | 0.66               | 0.75               |
|                  |                    | PI                     | 0.66               | 0.66               | 0.66               | 0.66               | 0.66               | 0.70               | 0.70               | 0.70               | 0.70               | 0.70               | 0.74               | 0.74               | 0.74               | 0.74               | 0.74               | 0.79               | 0.79               | 0.79               | 0.79               | 0.79               |
|                  | 68°F<br>(20.0°C)   | TC                     | 14137              | 14156              | 14171              | 14172              | 14191              | 14989              | 15006              | 15021              | 15024              | 15042              | 15884              | 15905              | 15922              | 15925              | 15943              | 16841              | 16859              | 16878              | 16880              | 16901              |
|                  |                    | S/T                    | 0.42               | 0.50               | 0.57               | 0.57               | 0.65               | 0.45               | 0.53               | 0.60               | 0.60               | 0.68               | 0.48               | 0.56               | 0.64               | 0.64               | 0.73               | 0.51               | 0.59               | 0.67               | 0.67               | 0.77               |
|                  |                    | PI                     | 0.71               | 0.71               | 0.71               | 0.71               | 0.72               | 0.76               | 0.76               | 0.76               | 0.76               | 0.76               | 0.80               | 0.80               | 0.80               | 0.80               | 0.80               | 0.85               | 0.85               | 0.85               | 0.85               | 0.85               |
|                  | 77°F<br>(25.0°C)   | TC                     | 14532              | 14552              | 14567              | 14568              | 14588              | 15408              | 15426              | 15441              | 15444              | 15463              | 16328              | 16350              | 16368              | 16371              | 16389              | 17312              | 17331              | 17350              | 17353              | 17374              |
|                  |                    | S/T                    | 0.43               | 0.50               | 0.57               | 0.57               | 0.65               | 0.46               | 0.53               | 0.61               | 0.61               | 0.69               | 0.48               | 0.57               | 0.64               | 0.64               | 0.73               | 0.51               | 0.60               | 0.68               | 0.68               | 0.78               |
|                  |                    | PI                     | 0.77               | 0.77               | 0.77               | 0.77               | 0.81               | 0.81               | 0.81               | 0.81               | 0.81               | 0.82               | 0.86               | 0.86               | 0.86               | 0.86               | 0.86               | 0.91               | 0.91               | 0.92               | 0.92               | 0.92               |
|                  | 82°F<br>(27.8°C)   | TC                     | 14400              | 14419              | 14435              | 14435              | 14455              | 15268              | 15286              | 15301              | 15304              | 15322              | 16180              | 16201              | 16219              | 16222              | 16240              | 17155              | 17173              | 17192              | 17195              | 17216              |
|                  |                    | S/T                    | 0.44               | 0.51               | 0.58               | 0.58               | 0.66               | 0.46               | 0.54               | 0.62               | 0.62               | 0.70               | 0.49               | 0.57               | 0.65               | 0.65               | 0.74               | 0.52               | 0.61               | 0.69               | 0.69               | 0.79               |
|                  |                    | PI                     | 0.84               | 0.84               | 0.84               | 0.84               | 0.84               | 0.89               | 0.89               | 0.89               | 0.89               | 0.89               | 0.94               | 0.94               | 0.94               | 0.94               | 0.94               | 0.99               | 1.00               | 1.00               | 1.00               | 1.00               |
|                  | 86°F<br>(30.0°C)   | TC                     | 13850              | 13869              | 13884              | 13884              | 13903              | 14685              | 14702              | 14717              | 14720              | 14737              | 15562              | 15582              | 15600              | 15603              | 15620              | 16500              | 16518              | 16536              | 16538              | 16559              |
|                  |                    | S/T                    | 0.44               | 0.52               | 0.59               | 0.59               | 0.67               | 0.47               | 0.55               | 0.62               | 0.62               | 0.71               | 0.50               | 0.58               | 0.66               | 0.66               | 0.75               | 0.53               | 0.62               | 0.70               | 0.70               | 0.80               |
|                  |                    | PI                     | 0.94               | 0.94               | 0.94               | 0.94               | 0.94               | 1.00               | 1.00               | 1.00               | 1.00               | 1.00               | 1.06               | 1.06               | 1.06               | 1.06               | 1.06               | 1.12               | 1.12               | 1.12               | 1.12               | 1.12               |
|                  | 95°F<br>(35.0°C)   | TC                     | 12613              |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |

## COOLING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 18 (Sheet 3 of 4)

| AIRFLOW<br>(CFM) | OUTDOOR<br>DB(°F)  | ID WB(°F) | 60.8°F(16.0°C)     |                    |                    |                    |                    | 64.4°F(18.0°C)     |                    |                    |                    |                    | 67°F(19.4°C)       |                    |                    |                    |                    | 71.6°F(22.0°C)     |                    |                    |                    |                    |
|------------------|--------------------|-----------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                  |                    | ID DB(°F) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) |
| 441              | -22°F<br>(-30.0°C) | TC        | 10328              | 10342              | 10353              | 10354              | 10368              | 10951              | 10964              | 10974              | 10977              | 10990              | 11605              | 11620              | 11633              | 11635              | 11648              | 12304              | 12318              | 12331              | 12333              | 12348              |
|                  |                    | S/T       | 0.43               | 0.51               | 0.58               | 0.58               | 0.66               | 0.46               | 0.54               | 0.61               | 0.61               | 0.70               | 0.49               | 0.57               | 0.65               | 0.65               | 0.74               | 0.52               | 0.60               | 0.69               | 0.69               | 0.78               |
|                  |                    | PI        | 0.40               | 0.40               | 0.40               | 0.40               | 0.40               | 0.42               | 0.42               | 0.42               | 0.42               | 0.43               | 0.45               | 0.45               | 0.45               | 0.45               | 0.45               | 0.48               | 0.48               | 0.48               | 0.48               | 0.48               |
|                  | -13°F<br>(-25.0°C) | TC        | 11189              | 11204              | 11216              | 11217              | 11232              | 11863              | 11877              | 11889              | 11891              | 11905              | 12572              | 12588              | 12602              | 12605              | 12619              | 13329              | 13344              | 13358              | 13361              | 13377              |
|                  |                    | S/T       | 0.44               | 0.51               | 0.58               | 0.58               | 0.66               | 0.46               | 0.54               | 0.62               | 0.62               | 0.70               | 0.49               | 0.57               | 0.65               | 0.65               | 0.74               | 0.52               | 0.61               | 0.69               | 0.69               | 0.79               |
|                  |                    | PI        | 0.43               | 0.43               | 0.43               | 0.43               | 0.43               | 0.46               | 0.46               | 0.46               | 0.46               | 0.46               | 0.49               | 0.49               | 0.49               | 0.49               | 0.49               | 0.52               | 0.52               | 0.52               | 0.52               | 0.52               |
|                  | -4°F<br>(-20.0°C)  | TC        | 12050              | 12066              | 12079              | 12079              | 12096              | 12776              | 12791              | 12804              | 12806              | 12821              | 13539              | 13557              | 13572              | 13574              | 13589              | 14355              | 14370              | 14386              | 14388              | 14406              |
|                  |                    | S/T       | 0.44               | 0.51               | 0.58               | 0.58               | 0.67               | 0.46               | 0.54               | 0.62               | 0.62               | 0.71               | 0.49               | 0.58               | 0.66               | 0.66               | 0.75               | 0.52               | 0.61               | 0.70               | 0.70               | 0.79               |
|                  |                    | PI        | 0.47               | 0.47               | 0.47               | 0.47               | 0.47               | 0.49               | 0.50               | 0.50               | 0.50               | 0.50               | 0.52               | 0.52               | 0.53               | 0.53               | 0.53               | 0.56               | 0.56               | 0.56               | 0.56               | 0.56               |
|                  | 0°F<br>(-17.8°C)   | TC        | 12432              | 12449              | 12462              | 12463              | 12480              | 13181              | 13197              | 13210              | 13213              | 13228              | 13969              | 13987              | 14003              | 14005              | 14021              | 14811              | 14827              | 14843              | 14845              | 14864              |
|                  |                    | S/T       | 0.44               | 0.52               | 0.59               | 0.59               | 0.67               | 0.47               | 0.55               | 0.62               | 0.62               | 0.71               | 0.49               | 0.58               | 0.66               | 0.66               | 0.75               | 0.52               | 0.61               | 0.70               | 0.70               | 0.80               |
|                  |                    | PI        | 0.48               | 0.48               | 0.48               | 0.48               | 0.48               | 0.51               | 0.51               | 0.51               | 0.51               | 0.51               | 0.54               | 0.54               | 0.54               | 0.54               | 0.54               | 0.57               | 0.57               | 0.57               | 0.57               | 0.58               |
|                  | 5°F<br>(-15.0°C)   | TC        | 12910              | 12928              | 12942              | 12942              | 12960              | 13688              | 13705              | 13718              | 13721              | 13737              | 14506              | 14525              | 14541              | 14544              | 14560              | 15380              | 15397              | 15414              | 15416              | 15435              |
|                  |                    | S/T       | 0.44               | 0.52               | 0.59               | 0.59               | 0.67               | 0.47               | 0.55               | 0.62               | 0.62               | 0.71               | 0.50               | 0.58               | 0.66               | 0.66               | 0.75               | 0.53               | 0.62               | 0.70               | 0.70               | 0.80               |
|                  |                    | PI        | 0.50               | 0.50               | 0.50               | 0.50               | 0.50               | 0.53               | 0.53               | 0.53               | 0.53               | 0.53               | 0.56               | 0.56               | 0.56               | 0.56               | 0.56               | 0.60               | 0.60               | 0.60               | 0.60               | 0.60               |
|                  | 14°F<br>(-10.0°C)  | TC        | 13562              | 13580              | 13595              | 13595              | 13614              | 14379              | 14396              | 14410              | 14413              | 14430              | 15238              | 15258              | 15275              | 15278              | 15295              | 16156              | 16174              | 16192              | 16194              | 16214              |
|                  |                    | S/T       | 0.44               | 0.52               | 0.59               | 0.59               | 0.67               | 0.47               | 0.55               | 0.63               | 0.63               | 0.71               | 0.50               | 0.58               | 0.66               | 0.66               | 0.76               | 0.53               | 0.62               | 0.70               | 0.70               | 0.80               |
|                  |                    | PI        | 0.50               | 0.51               | 0.51               | 0.51               | 0.51               | 0.54               | 0.54               | 0.54               | 0.54               | 0.54               | 0.57               | 0.57               | 0.57               | 0.57               | 0.57               | 0.60               | 0.60               | 0.60               | 0.60               | 0.60               |
|                  | 17°F<br>(-8.3°C)   | TC        | 13779              | 13798              | 13812              | 13813              | 13832              | 14609              | 14627              | 14641              | 14644              | 14661              | 15482              | 15502              | 15520              | 15523              | 15540              | 16415              | 16433              | 16451              | 16453              | 16474              |
|                  |                    | S/T       | 0.44               | 0.52               | 0.59               | 0.59               | 0.67               | 0.47               | 0.55               | 0.63               | 0.63               | 0.71               | 0.50               | 0.58               | 0.66               | 0.66               | 0.76               | 0.53               | 0.62               | 0.70               | 0.70               | 0.80               |
|                  |                    | PI        | 0.51               | 0.51               | 0.51               | 0.51               | 0.51               | 0.54               | 0.54               | 0.54               | 0.54               | 0.54               | 0.57               | 0.57               | 0.57               | 0.57               | 0.57               | 0.60               | 0.60               | 0.60               | 0.61               | 0.61               |
|                  | 23°F<br>(-5.0°C)   | TC        | 14237              | 14257              | 14272              | 14273              | 14292              | 15096              | 15113              | 15128              | 15131              | 15149              | 15997              | 16018              | 16036              | 16039              | 16057              | 16961              | 16980              | 16998              | 17001              | 17022              |
|                  |                    | S/T       | 0.45               | 0.52               | 0.59               | 0.59               | 0.68               | 0.47               | 0.55               | 0.63               | 0.63               | 0.72               | 0.50               | 0.59               | 0.67               | 0.67               | 0.76               | 0.53               | 0.62               | 0.71               | 0.71               | 0.81               |
|                  |                    | PI        | 0.52               | 0.52               | 0.52               | 0.52               | 0.52               | 0.55               | 0.55               | 0.55               | 0.55               | 0.55               | 0.59               | 0.59               | 0.59               | 0.59               | 0.59               | 0.62               | 0.62               | 0.62               | 0.62               | 0.62               |
|                  | 35°F<br>(1.7°C)    | TC        | 15154              | 15175              | 15191              | 15192              | 15212              | 16068              | 16087              | 16102              | 16106              | 16125              | 17028              | 17050              | 17069              | 17072              | 17091              | 18053              | 18073              | 18093              | 18096              | 18118              |
|                  |                    | S/T       | 0.45               | 0.53               | 0.60               | 0.60               | 0.68               | 0.48               | 0.56               | 0.63               | 0.63               | 0.72               | 0.50               | 0.59               | 0.67               | 0.67               | 0.77               | 0.53               | 0.63               | 0.71               | 0.71               | 0.81               |
|                  |                    | PI        | 0.55               | 0.55               | 0.55               | 0.55               | 0.55               | 0.58               | 0.58               | 0.58               | 0.58               | 0.58               | 0.62               | 0.62               | 0.62               | 0.62               | 0.62               | 0.65               | 0.65               | 0.66               | 0.66               | 0.66               |
|                  | 41°F<br>(5.0°C)    | TC        | 14847              | 14867              | 14883              | 14884              | 14904              | 15742              | 15760              | 15776              | 15779              | 15798              | 16682              | 16704              | 16723              | 16726              | 16744              | 17687              | 17707              | 17726              | 17729              | 17751              |
|                  |                    | S/T       | 0.45               | 0.53               | 0.60               | 0.60               | 0.68               | 0.48               | 0.56               | 0.63               | 0.63               | 0.72               | 0.50               | 0.59               | 0.67               | 0.67               | 0.77               | 0.53               | 0.63               | 0.71               | 0.71               | 0.81               |
|                  |                    | PI        | 0.60               | 0.60               | 0.60               | 0.60               | 0.60               | 0.63               | 0.64               | 0.64               | 0.64               | 0.64               | 0.67               | 0.67               | 0.67               | 0.67               | 0.67               | 0.71               | 0.71               | 0.71               | 0.71               | 0.72               |
|                  | 47°F<br>(8.3°C)    | TC        | 14540              | 14559              | 14575              | 14576              | 14595              | 15416              | 15434              | 15450              | 15453              | 15471              | 16337              | 16358              | 16377              | 16380              | 16398              | 17321              | 17340              | 17359              | 17362              | 17384              |
|                  |                    | S/T       | 0.45               | 0.53               | 0.60               | 0.60               | 0.68               | 0.48               | 0.56               | 0.64               | 0.64               | 0.73               | 0.51               | 0.59               | 0.67               | 0.67               | 0.77               | 0.54               | 0.63               | 0.72               | 0.72               | 0.82               |
|                  |                    | PI        | 0.65               | 0.65               | 0.65               | 0.65               | 0.65               | 0.69               | 0.69               | 0.69               | 0.69               | 0.69               | 0.73               | 0.73               | 0.73               | 0.73               | 0.73               | 0.77               | 0.77               | 0.77               | 0.77               | 0.77               |
|                  | 50°F<br>(10.0°C)   | TC        | 14685              | 14705              | 14720              | 14721              | 14741              | 15570              | 15588              | 15604              | 15607              | 15625              | 16500              | 16522              | 16540              | 16543              | 16561              | 17494              | 17513              | 17532              | 17535              | 17557              |
|                  |                    | S/T       | 0.45               | 0.53               | 0.60               | 0.60               | 0.69               | 0.48               | 0.56               | 0.64               | 0.64               | 0.73               | 0.51               | 0.60               | 0.68               | 0.68               | 0.77               | 0.54               | 0.63               | 0.72               | 0.72               | 0.82               |
|                  |                    | PI        | 0.67               | 0.67               | 0.67               | 0.67               | 0.67               | 0.71               | 0.71               | 0.71               | 0.71               | 0.71               | 0.75               | 0.75               | 0.75               | 0.75               | 0.75               | 0.79               | 0.80               | 0.80               | 0.80               | 0.80               |
|                  | 59°F<br>(15.0°C)   | TC        | 15120              | 15140              | 15157              | 15157              | 15178              | 16031              | 16050              | 16066              | 16069              | 16088              | 16989              | 17011              | 17030              | 17033              | 17052              | 18012              | 18032              | 18052              | 18055              | 18077              |
|                  |                    | S/T       | 0.45               | 0.53               | 0.61               | 0.61               | 0.69               | 0.48               | 0.57               | 0.64               | 0.64               | 0.73               | 0.51               | 0.60               | 0.68               | 0.68               | 0.78               | 0.54               | 0.64               | 0.72               | 0.72               | 0.82               |
|                  |                    | PI        | 0.73               | 0.73               | 0.73               | 0.73               | 0.73               | 0.77               | 0.77               | 0.77               | 0.77               | 0.77               | 0.82               | 0.82               | 0.82               | 0.82               | 0.82               | 0.86               | 0.87               | 0.87               | 0.87               | 0.87               |
|                  | 68°F<br>(20.0°C)   | TC        | 15555              | 15576              | 15593              | 15593              | 15614              | 16492              | 16512              | 16528              | 16531              | 16551              | 17478              | 17500              | 17520              | 17523              | 17543              | 18531              | 18551              | 18571              | 18574              | 18597              |
|                  |                    | S/T       | 0.47               | 0.55               | 0.62               | 0.62               | 0.71               | 0.50               | 0.58               | 0.66               | 0.66               | 0.75               | 0.52               | 0.62               | 0.70               | 0.70               | 0.80               | 0.56               | 0.65               | 0.74               | 0.74               | 0.85               |
|                  |                    | PI        | 0.78               | 0.79               | 0.79               | 0.79               | 0.79               | 0.83               | 0.83               | 0.83               | 0.83               | 0.83               | 0.88               | 0.88               | 0.88               | 0.88               | 0.88               | 0.93               | 0.94               | 0.94               | 0.94               | 0.94               |
|                  | 77°F<br>(25.0°C)   | TC        | 15990              | 16011              | 16029              | 16029              | 16051              | 16954              | 16974              | 16990              | 16994              | 17014              | 17966              | 17990              | 18010              | 18013              | 18033              | 19049              | 19070              | 19090              | 19093              | 19117              |
|                  |                    | S/T       | 0.47               | 0.56               | 0.63               | 0.63               | 0.72               | 0.50               | 0.59               | 0.67               | 0.67               | 0.76               | 0.53               | 0.62               | 0.71               | 0.71               | 0.81               | 0.56               | 0.66               | 0.75               | 0.75               | 0.86               |
|                  |                    | PI        | 0.84               | 0.84               | 0.85               | 0.85               | 0.85               | 0.89               | 0.90               | 0.90               | 0.90               | 0.90               | 0.95               | 0.95               | 0.95               | 0.95               | 0.95               | 1.00               | 1.01               | 1.01               | 1.01               | 1.01               |
|                  | 82°F<br>(27.8°C)   | TC        | 15845              | 15866              | 15883              | 15884              | 15905              | 16799              | 16819              | 16836              | 16839              | 16859              | 17803              | 17826              | 17846              | 17849              | 17869              | 18876              | 18896              | 18917              | 18920              | 18943              |
|                  |                    | S/T       | 0.48               | 0.56               | 0.64               | 0.64               | 0.73               | 0.51               | 0.60               | 0.68               | 0.68               | 0.77               | 0.54               | 0.63               | 0.72               | 0.72               | 0.82               | 0.57               | 0.67               | 0.76               | 0.76               | 0.87               |
|                  |                    | PI        | 0.92               | 0.92               | 0.92               | 0.92               | 0.92               | 0.97               | 0.98               | 0.98               | 0.98               | 0.98               | 1.03               | 1.03               | 1.03               | 1.04               | 1.04               | 1.09               | 1.10               | 1.10               | 1.10               | 1.10               |
|                  | 86°F<br>(30.0°C)   | TC        | 15240              | 15260              | 15277              | 15277              | 15298              | 16158              | 16177              | 16193              | 16196              | 16216              | 17123              | 17146              | 17165              | 17168              | 17187              | 18155              | 18175              | 18195              | 18197              | 18220              |
|                  |                    | S/T       | 0.49               | 0.57               | 0.65               | 0.65               | 0.74               | 0.51               | 0.60               | 0.69               | 0.69               | 0.78               | 0.55               | 0.64               | 0.73               | 0.73               | 0.83               | 0.58               | 0.68               | 0.77               | 0.77               | 0.88               |
|                  |                    | PI        | 1.03               | 1.03               | 1.04               | 1.04               | 1.04               | 1.10               | 1.10               | 1.10               | 1.10               | 1.10               | 1.16               | 1.16               | 1.16               | 1.16               | 1.17               | 1.23               | 1.23               | 1.23               | 1.23               | 1.24               |
|                  | 95°F<br>(35.0°C)   | TC        | 1                  |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |

COOLING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 18 (Sheet 4 of 4)

| AIRFLOW<br>(CFM) | OUTDOOR<br>DB(°F)  | ID WB(°F) | 60.8°F(16.0°C)     |                    |                    |                    |                    | 64.4°F(18.0°C)     |                    |                    |                    |                    | 67°F(19.4°C)       |                    |                    |                    |                    | 71.6°F(22.0°C)     |                    |                    |                    |                    |
|------------------|--------------------|-----------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                  |                    | ID DB(°F) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) |
| 500              | -22°F<br>(-30.0°C) | TC        | 11364              | 11380              | 11392              | 11392              | 11408              | 12049              | 12064              | 12075              | 12078              | 12092              | 12769              | 12786              | 12800              | 12802              | 12817              | 13539              | 13553              | 13568              | 13570              | 13587              |
|                  |                    | S/T       | 0.48               | 0.56               | 0.63               | 0.63               | 0.72               | 0.50               | 0.59               | 0.67               | 0.67               | 0.77               | 0.53               | 0.63               | 0.71               | 0.71               | 0.81               | 0.57               | 0.67               | 0.76               | 0.76               | 0.86               |
|                  |                    | PI        | 0.44               | 0.44               | 0.44               | 0.44               | 0.44               | 0.47               | 0.47               | 0.47               | 0.47               | 0.47               | 0.49               | 0.50               | 0.50               | 0.50               | 0.52               | 0.52               | 0.53               | 0.53               | 0.53               |                    |
|                  | -13°F<br>(-25.0°C) | TC        | 12311              | 12328              | 12341              | 12342              | 12358              | 13053              | 13069              | 13082              | 13084              | 13100              | 13833              | 13851              | 13867              | 13869              | 13885              | 14667              | 14683              | 14699              | 14701              | 14719              |
|                  |                    | S/T       | 0.48               | 0.56               | 0.64               | 0.64               | 0.73               | 0.51               | 0.60               | 0.68               | 0.68               | 0.77               | 0.54               | 0.63               | 0.72               | 0.72               | 0.82               | 0.57               | 0.67               | 0.76               | 0.76               | 0.87               |
|                  |                    | PI        | 0.48               | 0.48               | 0.48               | 0.48               | 0.48               | 0.51               | 0.51               | 0.51               | 0.51               | 0.51               | 0.54               | 0.54               | 0.54               | 0.54               | 0.54               | 0.57               | 0.57               | 0.57               | 0.57               | 0.57               |
|                  | -4°F<br>(-20.0°C)  | TC        | 13258              | 13276              | 13291              | 13291              | 13309              | 14058              | 14074              | 14088              | 14091              | 14108              | 14897              | 14917              | 14933              | 14936              | 14953              | 15795              | 15812              | 15829              | 15832              | 15852              |
|                  |                    | S/T       | 0.48               | 0.57               | 0.64               | 0.64               | 0.73               | 0.51               | 0.60               | 0.68               | 0.68               | 0.78               | 0.54               | 0.64               | 0.72               | 0.72               | 0.82               | 0.57               | 0.67               | 0.77               | 0.77               | 0.87               |
|                  |                    | PI        | 0.51               | 0.51               | 0.51               | 0.51               | 0.52               | 0.54               | 0.54               | 0.55               | 0.55               | 0.55               | 0.58               | 0.58               | 0.58               | 0.58               | 0.58               | 0.61               | 0.61               | 0.61               | 0.61               | 0.61               |
|                  | 0°F<br>(-17.8°C)   | TC        | 13679              | 13698              | 13713              | 13713              | 13732              | 14504              | 14521              | 14535              | 14538              | 14555              | 15370              | 15390              | 15407              | 15410              | 15427              | 16296              | 16314              | 16332              | 16334              | 16355              |
|                  |                    | S/T       | 0.48               | 0.57               | 0.64               | 0.64               | 0.73               | 0.51               | 0.60               | 0.68               | 0.68               | 0.78               | 0.54               | 0.64               | 0.72               | 0.72               | 0.83               | 0.58               | 0.68               | 0.77               | 0.77               | 0.88               |
|                  |                    | PI        | 0.53               | 0.53               | 0.53               | 0.53               | 0.53               | 0.56               | 0.56               | 0.56               | 0.56               | 0.56               | 0.60               | 0.60               | 0.60               | 0.60               | 0.60               | 0.63               | 0.63               | 0.63               | 0.63               | 0.63               |
|                  | 5°F<br>(-15.0°C)   | TC        | 14206              | 14225              | 14240              | 14241              | 14260              | 15062              | 15079              | 15094              | 15097              | 15115              | 15961              | 15982              | 16000              | 16003              | 16021              | 16923              | 16942              | 16960              | 16963              | 16984              |
|                  |                    | S/T       | 0.49               | 0.57               | 0.65               | 0.65               | 0.74               | 0.51               | 0.60               | 0.69               | 0.69               | 0.78               | 0.55               | 0.64               | 0.73               | 0.73               | 0.83               | 0.58               | 0.68               | 0.77               | 0.77               | 0.88               |
|                  |                    | PI        | 0.55               | 0.55               | 0.55               | 0.55               | 0.55               | 0.58               | 0.58               | 0.58               | 0.58               | 0.59               | 0.62               | 0.62               | 0.62               | 0.62               | 0.62               | 0.66               | 0.66               | 0.66               | 0.66               | 0.66               |
|                  | 14°F<br>(-10.0°C)  | TC        | 14922              | 14943              | 14959              | 14959              | 14979              | 15822              | 15840              | 15856              | 15859              | 15878              | 16767              | 16789              | 16808              | 16811              | 16829              | 17777              | 17797              | 17816              | 17819              | 17841              |
|                  |                    | S/T       | 0.49               | 0.57               | 0.65               | 0.65               | 0.74               | 0.52               | 0.61               | 0.69               | 0.69               | 0.78               | 0.55               | 0.64               | 0.73               | 0.73               | 0.83               | 0.58               | 0.68               | 0.77               | 0.77               | 0.88               |
|                  |                    | PI        | 0.56               | 0.56               | 0.56               | 0.56               | 0.56               | 0.59               | 0.59               | 0.59               | 0.59               | 0.59               | 0.62               | 0.63               | 0.63               | 0.63               | 0.63               | 0.66               | 0.66               | 0.66               | 0.66               | 0.66               |
|                  | 17°F<br>(-8.3°C)   | TC        | 15161              | 15182              | 15198              | 15199              | 15219              | 16075              | 16094              | 16110              | 16113              | 16132              | 17036              | 17058              | 17077              | 17080              | 17099              | 18062              | 18082              | 18101              | 18104              | 18127              |
|                  |                    | S/T       | 0.49               | 0.57               | 0.65               | 0.65               | 0.74               | 0.52               | 0.61               | 0.69               | 0.69               | 0.79               | 0.55               | 0.64               | 0.73               | 0.73               | 0.83               | 0.58               | 0.68               | 0.78               | 0.78               | 0.88               |
|                  |                    | PI        | 0.56               | 0.56               | 0.56               | 0.56               | 0.56               | 0.59               | 0.59               | 0.59               | 0.59               | 0.59               | 0.63               | 0.63               | 0.63               | 0.63               | 0.63               | 0.66               | 0.66               | 0.67               | 0.67               | 0.67               |
|                  | 23°F<br>(-5.0°C)   | TC        | 15666              | 15687              | 15704              | 15705              | 15726              | 16610              | 16630              | 16646              | 16649              | 16669              | 17602              | 17625              | 17645              | 17648              | 17668              | 18663              | 18683              | 18703              | 18706              | 18730              |
|                  |                    | S/T       | 0.49               | 0.58               | 0.65               | 0.65               | 0.75               | 0.52               | 0.61               | 0.69               | 0.69               | 0.79               | 0.55               | 0.65               | 0.74               | 0.74               | 0.84               | 0.58               | 0.69               | 0.78               | 0.78               | 0.89               |
|                  |                    | PI        | 0.57               | 0.57               | 0.57               | 0.57               | 0.58               | 0.61               | 0.61               | 0.61               | 0.61               | 0.61               | 0.64               | 0.64               | 0.65               | 0.65               | 0.65               | 0.68               | 0.68               | 0.68               | 0.68               | 0.69               |
|                  | 35°F<br>(1.7°C)    | TC        | 16675              | 16697              | 16715              | 16716              | 16738              | 17680              | 17700              | 17718              | 17721              | 17742              | 18736              | 18760              | 18781              | 18785              | 18805              | 19865              | 19886              | 19908              | 19911              | 19936              |
|                  |                    | S/T       | 0.49               | 0.58               | 0.66               | 0.66               | 0.75               | 0.52               | 0.61               | 0.70               | 0.70               | 0.79               | 0.55               | 0.65               | 0.74               | 0.74               | 0.84               | 0.59               | 0.69               | 0.78               | 0.78               | 0.89               |
|                  |                    | PI        | 0.60               | 0.60               | 0.61               | 0.61               | 0.61               | 0.64               | 0.64               | 0.64               | 0.64               | 0.64               | 0.68               | 0.68               | 0.68               | 0.68               | 0.68               | 0.72               | 0.72               | 0.72               | 0.72               | 0.72               |
|                  | 41°F<br>(5.0°C)    | TC        | 16337              | 16359              | 16376              | 16377              | 16399              | 17321              | 17342              | 17359              | 17362              | 17383              | 18356              | 18380              | 18400              | 18404              | 18424              | 19462              | 19483              | 19504              | 19507              | 19532              |
|                  |                    | S/T       | 0.49               | 0.58               | 0.66               | 0.66               | 0.75               | 0.52               | 0.61               | 0.70               | 0.70               | 0.80               | 0.56               | 0.65               | 0.74               | 0.74               | 0.84               | 0.59               | 0.69               | 0.78               | 0.78               | 0.89               |
|                  |                    | PI        | 0.66               | 0.66               | 0.66               | 0.66               | 0.66               | 0.70               | 0.70               | 0.70               | 0.70               | 0.70               | 0.74               | 0.74               | 0.74               | 0.74               | 0.74               | 0.78               | 0.79               | 0.79               | 0.79               | 0.79               |
|                  | 47°F<br>(8.3°C)    | TC        | 15999              | 16020              | 16037              | 16038              | 16060              | 16963              | 16983              | 17000              | 17003              | 17023              | 17976              | 17999              | 18020              | 18023              | 18043              | 19059              | 19080              | 19101              | 19104              | 19127              |
|                  |                    | S/T       | 0.50               | 0.58               | 0.66               | 0.66               | 0.75               | 0.53               | 0.62               | 0.70               | 0.70               | 0.80               | 0.56               | 0.65               | 0.74               | 0.74               | 0.85               | 0.59               | 0.69               | 0.79               | 0.79               | 0.90               |
|                  |                    | PI        | 0.71               | 0.71               | 0.71               | 0.71               | 0.72               | 0.76               | 0.76               | 0.76               | 0.76               | 0.76               | 0.80               | 0.80               | 0.80               | 0.80               | 0.80               | 0.85               | 0.85               | 0.85               | 0.85               | 0.85               |
|                  | 50°F<br>(10.0°C)   | TC        | 16158              | 16180              | 16197              | 16198              | 16220              | 17132              | 17152              | 17169              | 17173              | 17193              | 18155              | 18179              | 18199              | 18203              | 18223              | 19249              | 19270              | 19291              | 19294              | 19318              |
|                  |                    | S/T       | 0.50               | 0.58               | 0.66               | 0.66               | 0.76               | 0.53               | 0.62               | 0.70               | 0.70               | 0.80               | 0.56               | 0.66               | 0.75               | 0.75               | 0.85               | 0.59               | 0.70               | 0.79               | 0.79               | 0.90               |
|                  |                    | PI        | 0.73               | 0.74               | 0.74               | 0.74               | 0.74               | 0.78               | 0.78               | 0.78               | 0.78               | 0.78               | 0.82               | 0.83               | 0.83               | 0.83               | 0.83               | 0.87               | 0.88               | 0.88               | 0.88               | 0.88               |
|                  | 59°F<br>(15.0°C)   | TC        | 16637              | 16659              | 16677              | 16678              | 16700              | 17639              | 17660              | 17678              | 17681              | 17702              | 18693              | 18718              | 18738              | 18742              | 18763              | 19820              | 19841              | 19863              | 19866              | 19891              |
|                  |                    | S/T       | 0.50               | 0.59               | 0.67               | 0.67               | 0.76               | 0.53               | 0.62               | 0.71               | 0.71               | 0.81               | 0.56               | 0.66               | 0.75               | 0.75               | 0.86               | 0.60               | 0.70               | 0.80               | 0.80               | 0.91               |
|                  |                    | PI        | 0.80               | 0.80               | 0.80               | 0.80               | 0.80               | 0.85               | 0.85               | 0.85               | 0.85               | 0.85               | 0.90               | 0.90               | 0.90               | 0.90               | 0.90               | 0.95               | 0.95               | 0.95               | 0.95               | 0.95               |
|                  | 68°F<br>(20.0°C)   | TC        | 17115              | 17138              | 17157              | 17158              | 17181              | 18147              | 18168              | 18186              | 18190              | 18212              | 19231              | 19256              | 19278              | 19281              | 19303              | 20390              | 20412              | 20434              | 20437              | 20463              |
|                  |                    | S/T       | 0.51               | 0.60               | 0.69               | 0.69               | 0.78               | 0.54               | 0.64               | 0.73               | 0.73               | 0.83               | 0.58               | 0.68               | 0.77               | 0.77               | 0.88               | 0.61               | 0.72               | 0.82               | 0.82               | 0.93               |
|                  |                    | PI        | 0.86               | 0.86               | 0.87               | 0.87               | 0.87               | 0.92               | 0.92               | 0.92               | 0.92               | 0.92               | 0.97               | 0.97               | 0.97               | 0.97               | 0.97               | 1.03               | 1.03               | 1.03               | 1.03               | 1.03               |
|                  | 77°F<br>(25.0°C)   | TC        | 17594              | 17618              | 17637              | 17638              | 17661              | 18654              | 18677              | 18695              | 18699              | 18721              | 19769              | 19795              | 19817              | 19820              | 19842              | 20960              | 20983              | 21006              | 21009              | 21035              |
|                  |                    | S/T       | 0.52               | 0.61               | 0.69               | 0.69               | 0.79               | 0.55               | 0.65               | 0.74               | 0.74               | 0.84               | 0.59               | 0.69               | 0.78               | 0.78               | 0.89               | 0.62               | 0.73               | 0.83               | 0.83               | 0.94               |
|                  |                    | PI        | 0.93               | 0.93               | 0.93               | 0.93               | 0.93               | 0.98               | 0.99               | 0.99               | 0.99               | 0.99               | 1.04               | 1.04               | 1.05               | 1.05               | 1.05               | 1.11               | 1.11               | 1.11               | 1.11               | 1.11               |
|                  | 82°F<br>(27.8°C)   | TC        | 17434              | 17458              | 17476              | 17477              | 17501              | 18485              | 18507              | 18525              | 18529              | 18551              | 19589              | 19615              | 19636              | 19640              | 19662              | 20769              | 20792              | 20815              | 20818              | 20844              |
|                  |                    | S/T       | 0.53               | 0.62               | 0.70               | 0.70               | 0.80               | 0.56               | 0.66               | 0.75               | 0.75               | 0.85               | 0.59               | 0.70               | 0.79               | 0.79               | 0.90               | 0.63               | 0.74               | 0.84               | 0.84               | 0.95               |
|                  |                    | PI        | 1.01               | 1.01               | 1.01               | 1.01               | 1.01               | 1.07               | 1.07               | 1.07               | 1.07               | 1.08               | 1.14               | 1.14               | 1.14               | 1.14               | 1.14               | 1.20               | 1.21               | 1.21               | 1.21               | 1.21               |
|                  | 86°F<br>(30.0°C)   | TC        | 16768              | 16791              | 16809              | 16810              | 16833              | 17779              | 17800              | 17818              | 17821              | 17842              | 18841              | 18866              | 18887              | 18890              | 18911              | 19976              | 19998              | 20020              | 20023              | 20048              |
|                  |                    | S/T       | 0.53               | 0.63               | 0.71               | 0.71               | 0.81               | 0.57               | 0.66               | 0.75               | 0.75               | 0.86               | 0.60               | 0.70               | 0.80               | 0.80               | 0.91               | 0.64               | 0.75               | 0.85               | 0.85               | 0.97               |
|                  |                    | PI        | 1.14               | 1.14               | 1.14               | 1.14               | 1.14               | 1.21               | 1.21               | 1.21               | 1.21               | 1.21               | 1.28               | 1.28               | 1.28               | 1.28               | 1.28               | 1.35               | 1.36               | 1.36               | 1.36               | 1.36               |
|                  | 95°F<br>(35.0°C)   | TC        | 15271              | <                  |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |

**Table 28 — Console Heating Performance (18K)**

HEATING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 18 (Sheet 1 of 2)

| AIRFLOW<br>(CFM) | OUTDOOR<br>DB(°F) | TC: Total Heating Capacity (BTU/hr) |                  |                  |                    |                    | PI: Power Input (kW)      |                  |                  |                    |                    |
|------------------|-------------------|-------------------------------------|------------------|------------------|--------------------|--------------------|---------------------------|------------------|------------------|--------------------|--------------------|
|                  |                   | Indoor Conditions (DB °F)           |                  |                  |                    |                    | Indoor Conditions (DB °F) |                  |                  |                    |                    |
|                  |                   | 60.8°F<br>(16.0°C)                  | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) | 60.8°F<br>(16.0°C)        | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) |
| 324              | -22°F(-30.0°C)    | 5626                                | 5513             | 5486             | 5482               | 5433               | 1.77                      | 1.78             | 1.79             | 1.79               | 1.80               |
|                  | -13°F(-25.0°C)    | 7390                                | 7242             | 7206             | 6925               | 6862               | 1.90                      | 1.92             | 1.92             | 1.93               | 1.93               |
|                  | -4°F(-20.0°C)     | 10470                               | 10260            | 10209            | 9810               | 9721               | 2.15                      | 2.17             | 2.17             | 2.18               | 2.19               |
|                  | 0°F(-17.8°C)      | 11804                               | 11568            | 11510            | 11060              | 10960              | 2.32                      | 2.34             | 2.34             | 2.35               | 2.36               |
|                  | 5°F(-15.0°C)      | 13472                               | 13202            | 13136            | 12623              | 12509              | 2.53                      | 2.55             | 2.55             | 2.56               | 2.57               |
|                  | 14°F(-10.0°C)     | 14222                               | 13938            | 13868            | 13326              | 13206              | 2.50                      | 2.52             | 2.52             | 2.53               | 2.54               |
|                  | 17°F(-8.3°C)      | 14473                               | 14183            | 14112            | 13560              | 13438              | 2.48                      | 2.50             | 2.51             | 2.52               | 2.53               |
|                  | 22°F(-5.6°C)      | 14384                               | 14096            | 14026            | 13477              | 13356              | 2.36                      | 2.38             | 2.39             | 2.39               | 2.40               |
|                  | 27°F(-2.8°C)      | 14295                               | 14009            | 13939            | 13394              | 13273              | 2.24                      | 2.26             | 2.26             | 2.27               | 2.28               |
|                  | 32°F(-0.0°C)      | 14206                               | 13922            | 13852            | 13311              | 13191              | 2.12                      | 2.14             | 2.14             | 2.14               | 2.15               |
|                  | 35°F(1.7°C)       | 14153                               | 13870            | 13800            | 13261              | 13141              | 2.05                      | 2.06             | 2.07             | 2.07               | 2.08               |
|                  | 37°F(2.8°C)       | 14360                               | 14073            | 14002            | 13455              | 13334              | 2.01                      | 2.02             | 2.03             | 2.03               | 2.04               |
|                  | 42°F(5.6°C)       | 14878                               | 14581            | 14508            | 13940              | 13815              | 1.91                      | 1.92             | 1.93             | 1.93               | 1.94               |
|                  | 44.6°F(7.0°C)     | 15085                               | 14784            | 14710            | 14135              | 14007              | 1.87                      | 1.88             | 1.88             | 1.89               | 1.90               |
|                  | 47°F(8.3°C)       | 15396                               | 15088            | 15013            | 14426              | 14296              | 1.81                      | 1.82             | 1.82             | 1.83               | 1.84               |
|                  | 52°F(11.1°C)      | 14619                               | 14327            | 14255            | 13698              | 13575              | 1.50                      | 1.51             | 1.52             | 1.52               | 1.53               |
|                  | 57°F(13.9°C)      | 13842                               | 13565            | 13498            | 12970              | 12853              | 1.20                      | 1.21             | 1.21             | 1.21               | 1.22               |
|                  | 59°F(15.0°C)      | 13532                               | 13261            | 13195            | 12679              | 12565              | 1.08                      | 1.09             | 1.09             | 1.09               | 1.09               |
|                  | 62°F(16.7°C)      | 13065                               | 12804            | 12740            | 12242              | 12132              | 0.89                      | 0.90             | 0.90             | 0.91               | 0.91               |
|                  | 64.4°F(18.0°C)    | 12754                               | 12499            | 12437            | 11951              | 11843              | 0.77                      | 0.78             | 0.78             | 0.78               | 0.79               |
| 382              | -22°F(-30.0°C)    | 6313                                | 6186             | 6155             | 6141               | 6086               | 1.79                      | 1.80             | 1.80             | 1.81               | 1.82               |
|                  | -13°F(-25.0°C)    | 8132                                | 7969             | 7929             | 7757               | 7687               | 1.92                      | 1.94             | 1.94             | 1.95               | 1.95               |
|                  | -4°F(-20.0°C)     | 11520                               | 11290            | 11233            | 10989              | 10890              | 2.17                      | 2.19             | 2.19             | 2.20               | 2.21               |
|                  | 0°F(-17.8°C)      | 12988                               | 12728            | 12665            | 12390              | 12278              | 2.34                      | 2.36             | 2.37             | 2.37               | 2.38               |
|                  | 5°F(-15.0°C)      | 14823                               | 14527            | 14454            | 14141              | 14013              | 2.55                      | 2.57             | 2.58             | 2.58               | 2.59               |
|                  | 14°F(-10.0°C)     | 15649                               | 15336            | 15260            | 14928              | 14794              | 2.52                      | 2.54             | 2.55             | 2.55               | 2.56               |
|                  | 17°F(-8.3°C)      | 15925                               | 15606            | 15528            | 15191              | 15054              | 2.51                      | 2.53             | 2.54             | 2.54               | 2.55               |
|                  | 22°F(-5.6°C)      | 15827                               | 15510            | 15433            | 15098              | 14962              | 2.39                      | 2.41             | 2.41             | 2.42               | 2.43               |
|                  | 27°F(-2.8°C)      | 15729                               | 15414            | 15337            | 15004              | 14869              | 2.26                      | 2.28             | 2.29             | 2.29               | 2.30               |
|                  | 32°F(-0.0°C)      | 15631                               | 15318            | 15242            | 14911              | 14777              | 2.14                      | 2.16             | 2.16             | 2.17               | 2.18               |
|                  | 35°F(1.7°C)       | 15572                               | 15261            | 15185            | 14855              | 14721              | 2.07                      | 2.08             | 2.09             | 2.09               | 2.10               |
|                  | 37°F(2.8°C)       | 15801                               | 15484            | 15407            | 15073              | 14937              | 2.03                      | 2.04             | 2.05             | 2.05               | 2.06               |
|                  | 42°F(5.6°C)       | 16371                               | 16043            | 15963            | 15617              | 15476              | 1.93                      | 1.94             | 1.94             | 1.95               | 1.96               |
|                  | 44.6°F(7.0°C)     | 16599                               | 16267            | 16186            | 15834              | 15692              | 1.88                      | 1.90             | 1.90             | 1.91               | 1.92               |
|                  | 47°F(8.3°C)       | 16941                               | 16602            | 16519            | 16161              | 16015              | 1.82                      | 1.84             | 1.84             | 1.85               | 1.85               |
|                  | 52°F(11.1°C)      | 16086                               | 15764            | 15686            | 15345              | 15207              | 1.52                      | 1.53             | 1.53             | 1.54               | 1.54               |
|                  | 57°F(13.9°C)      | 15231                               | 14926            | 14852            | 14529              | 14399              | 1.21                      | 1.22             | 1.22             | 1.23               | 1.23               |
|                  | 59°F(15.0°C)      | 14889                               | 14591            | 14518            | 14203              | 14075              | 1.09                      | 1.10             | 1.10             | 1.10               | 1.11               |
|                  | 62°F(16.7°C)      | 14376                               | 14089            | 14018            | 13714              | 13590              | 0.90                      | 0.91             | 0.91             | 0.91               | 0.92               |
|                  | 64.4°F(18.0°C)    | 14034                               | 13753            | 13685            | 13388              | 13267              | 0.78                      | 0.79             | 0.79             | 0.79               | 0.79               |

## HEATING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 18 (Sheet 2 of 2)

| AIRFLOW<br>(CFM) | OUTDOOR<br>DB(°F) | TC: Total Heating Capacity (BTU/hr) |                  |                  |                    |                    | PI: Power Input (kW)      |                  |                  |                    |                    |
|------------------|-------------------|-------------------------------------|------------------|------------------|--------------------|--------------------|---------------------------|------------------|------------------|--------------------|--------------------|
|                  |                   | Indoor Conditions (DB °F)           |                  |                  |                    |                    | Indoor Conditions (DB °F) |                  |                  |                    |                    |
|                  |                   | 60.8°F<br>(16.0°C)                  | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) | 60.8°F<br>(16.0°C)        | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) |
| 441              | -22°F(-30.0°C)    | 7083                                | 6942             | 6907             | 6879               | 6818               | 1.80                      | 1.82             | 1.82             | 1.83               | 1.83               |
|                  | -13°F(-25.0°C)    | 8947                                | 8769             | 8725             | 8690               | 8612               | 1.94                      | 1.96             | 1.96             | 1.97               | 1.97               |
|                  | -4°F(-20.0°C)     | 12676                               | 12422            | 12360            | 12311              | 12200              | 2.19                      | 2.21             | 2.22             | 2.22               | 2.23               |
|                  | 0°F(-17.8°C)      | 14291                               | 14005            | 13935            | 13880              | 13755              | 2.37                      | 2.38             | 2.39             | 2.39               | 2.40               |
|                  | 5°F(-15.0°C)      | 16311                               | 15984            | 15904            | 15841              | 15698              | 2.58                      | 2.60             | 2.60             | 2.61               | 2.62               |
|                  | 14°F(-10.0°C)     | 17219                               | 16875            | 16791            | 16723              | 16573              | 2.55                      | 2.57             | 2.57             | 2.58               | 2.59               |
|                  | 17°F(-8.3°C)      | 17522                               | 17172            | 17086            | 17018              | 16864              | 2.54                      | 2.56             | 2.56             | 2.57               | 2.58               |
|                  | 22°F(-5.6°C)      | 17415                               | 17066            | 16981            | 16913              | 16761              | 2.41                      | 2.43             | 2.44             | 2.44               | 2.45               |
|                  | 27°F(-2.8°C)      | 17307                               | 16961            | 16876            | 16808              | 16657              | 2.29                      | 2.30             | 2.31             | 2.31               | 2.32               |
|                  | 32°F(0.0°C)       | 17199                               | 16855            | 16771            | 16704              | 16554              | 2.16                      | 2.18             | 2.18             | 2.19               | 2.20               |
|                  | 35°F(1.7°C)       | 17135                               | 16792            | 16708            | 16641              | 16491              | 2.09                      | 2.10             | 2.11             | 2.11               | 2.12               |
|                  | 37°F(2.8°C)       | 17386                               | 17038            | 16953            | 16885              | 16733              | 2.05                      | 2.06             | 2.07             | 2.07               | 2.08               |
|                  | 42°F(5.6°C)       | 18013                               | 17653            | 17565            | 17494              | 17337              | 1.94                      | 1.96             | 1.96             | 1.97               | 1.98               |
|                  | 44.6°F(7.0°C)     | 18264                               | 17899            | 17809            | 17738              | 17578              | 1.90                      | 1.92             | 1.92             | 1.93               | 1.93               |
|                  | 47°F(8.3°C)       | 18641                               | 18268            | 18176            | 18104              | 17941              | 1.84                      | 1.86             | 1.86             | 1.86               | 1.87               |
|                  | 52°F(11.1°C)      | 17700                               | 17346            | 17259            | 17190              | 17035              | 1.53                      | 1.55             | 1.55             | 1.55               | 1.56               |
|                  | 57°F(13.9°C)      | 16759                               | 16424            | 16342            | 16276              | 16130              | 1.22                      | 1.23             | 1.24             | 1.24               | 1.24               |
|                  | 59°F(15.0°C)      | 16383                               | 16055            | 15975            | 15911              | 15768              | 1.10                      | 1.11             | 1.11             | 1.11               | 1.12               |
|                  | 62°F(16.7°C)      | 15818                               | 15502            | 15424            | 15363              | 15224              | 0.91                      | 0.92             | 0.92             | 0.92               | 0.93               |
|                  | 64.4°F(18.0°C)    | 15442                               | 15133            | 15058            | 14997              | 14862              | 0.79                      | 0.80             | 0.80             | 0.80               | 0.80               |
| 500              | -22°F(-30.0°C)    | 7794                                | 7638             | 7600             | 7570               | 7501               | 1.82                      | 1.84             | 1.84             | 1.84               | 1.85               |
|                  | -13°F(-25.0°C)    | 9845                                | 9648             | 9600             | 9562               | 9476               | 1.96                      | 1.98             | 1.98             | 1.99               | 1.99               |
|                  | -4°F(-20.0°C)     | 13947                               | 13668            | 13600            | 13546              | 13424              | 2.22                      | 2.23             | 2.24             | 2.24               | 2.25               |
|                  | 0°F(-17.8°C)      | 15725                               | 15410            | 15333            | 15272              | 15135              | 2.39                      | 2.41             | 2.41             | 2.42               | 2.43               |
|                  | 5°F(-15.0°C)      | 17947                               | 17588            | 17500            | 17430              | 17273              | 2.60                      | 2.62             | 2.63             | 2.64               | 2.65               |
|                  | 14°F(-10.0°C)     | 18947                               | 18568            | 18475            | 18401              | 18235              | 2.57                      | 2.59             | 2.60             | 2.60               | 2.61               |
|                  | 17°F(-8.3°C)      | 19280                               | 18894            | 18800            | 18725              | 18556              | 2.56                      | 2.58             | 2.59             | 2.59               | 2.60               |
|                  | 22°F(-5.6°C)      | 19162                               | 18778            | 18685            | 18610              | 18442              | 2.44                      | 2.45             | 2.46             | 2.46               | 2.47               |
|                  | 27°F(-2.8°C)      | 19043                               | 18662            | 18569            | 18495              | 18328              | 2.31                      | 2.33             | 2.33             | 2.34               | 2.35               |
|                  | 32°F(0.0°C)       | 18925                               | 18546            | 18454            | 18380              | 18214              | 2.18                      | 2.20             | 2.21             | 2.21               | 2.22               |
|                  | 35°F(1.7°C)       | 18854                               | 18477            | 18384            | 18311              | 18146              | 2.11                      | 2.13             | 2.13             | 2.13               | 2.14               |
|                  | 37°F(2.8°C)       | 19130                               | 18747            | 18654            | 18579              | 18412              | 2.07                      | 2.08             | 2.09             | 2.09               | 2.10               |
|                  | 42°F(5.6°C)       | 19820                               | 19424            | 19327            | 19249              | 19076              | 1.96                      | 1.98             | 1.98             | 1.99               | 2.00               |
|                  | 44.6°F(7.0°C)     | 20096                               | 19695            | 19596            | 19518              | 19342              | 1.92                      | 1.94             | 1.94             | 1.95               | 1.95               |
|                  | 47°F(8.3°C)       | 20511                               | 20101            | 20000            | 19920              | 19741              | 1.86                      | 1.88             | 1.88             | 1.88               | 1.89               |
|                  | 52°F(11.1°C)      | 19476                               | 19086            | 18991            | 18915              | 18744              | 1.55                      | 1.56             | 1.56             | 1.57               | 1.57               |
|                  | 57°F(13.9°C)      | 18440                               | 18072            | 17981            | 17909              | 17748              | 1.24                      | 1.25             | 1.25             | 1.25               | 1.26               |
|                  | 59°F(15.0°C)      | 18026                               | 17666            | 17578            | 17507              | 17350              | 1.11                      | 1.12             | 1.12             | 1.12               | 1.13               |
|                  | 62°F(16.7°C)      | 17405                               | 17057            | 16972            | 16904              | 16752              | 0.92                      | 0.93             | 0.93             | 0.93               | 0.94               |
|                  | 64.4°F(18.0°C)    | 16991                               | 16651            | 16568            | 16502              | 16353              | 0.80                      | 0.80             | 0.81             | 0.81               | 0.81               |

**NOTE: Values in grey are extrapolated based on tested performance.**

# HEATING AND COOLING PERFORMANCE

## AIR HANDLER (D5FSAA)

**Table 29 — Air Handler Cooling Performance (18K)**

COOLING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 18 (Sheet 1 of 4)

| AIRFLOW<br>(CFM) | OUTDOOR<br>DB (°F) | ID WB<br>(°F) | 60.8°F (16.0°C)    |                    |                    |                    |                    | 64.4°F (18.0°C)    |                    |                    |                    |                    | 67°F (19.4°C)      |                    |                    |                    |                    | 71.6°F (22.0°C)    |                    |                    |                    |                    |      |
|------------------|--------------------|---------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|------|
|                  |                    | ID DB<br>(°F) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) |      |
| 490              | -22°F<br>(-30.0°C) | TC            | 14658              | 14677              | 14693              | 14694              | 14714              | 15541              | 15560              | 15575              | 15578              | 15596              | 16470              | 16491              | 16509              | 16512              | 16531              | 17462              | 17481              | 17500              | 17503              | 17524              |      |
|                  |                    | S/T           | 0.43               | 0.50               | 0.50               | 0.57               | 0.57               | 0.65               | 0.45               | 0.53               | 0.60               | 0.60               | 0.69               | 0.48               | 0.56               | 0.64               | 0.64               | 0.73               | 0.51               | 0.60               | 0.68               | 0.68               | 0.77 |
|                  |                    | PI            | 0.46               | 0.46               | 0.46               | 0.46               | 0.46               | 0.48               | 0.48               | 0.49               | 0.49               | 0.49               | 0.51               | 0.51               | 0.51               | 0.51               | 0.52               | 0.54               | 0.54               | 0.55               | 0.55               | 0.55               | 0.55 |
|                  | -13°F<br>(-25.0°C) | TC            | 15879              | 15901              | 15918              | 15918              | 15940              | 16836              | 16856              | 16873              | 16876              | 16896              | 17842              | 17865              | 17885              | 17888              | 17908              | 18917              | 18938              | 18958              | 18961              | 18985              |      |
|                  |                    | S/T           | 0.43               | 0.50               | 0.50               | 0.57               | 0.57               | 0.65               | 0.45               | 0.53               | 0.61               | 0.61               | 0.69               | 0.48               | 0.57               | 0.64               | 0.64               | 0.73               | 0.51               | 0.60               | 0.68               | 0.68               | 0.78 |
|                  |                    | PI            | 0.49               | 0.50               | 0.50               | 0.50               | 0.50               | 0.52               | 0.53               | 0.53               | 0.53               | 0.53               | 0.56               | 0.56               | 0.56               | 0.56               | 0.56               | 0.59               | 0.59               | 0.59               | 0.59               | 0.59               | 0.59 |
|                  | -4°F<br>(-20.0°C)  | TC            | 17101              | 17124              | 17142              | 17143              | 17166              | 18131              | 18153              | 18171              | 18174              | 18196              | 19215              | 19239              | 19261              | 19265              | 19286              | 20372              | 20394              | 20417              | 20420              | 20445              |      |
|                  |                    | S/T           | 0.43               | 0.51               | 0.57               | 0.57               | 0.66               | 0.46               | 0.54               | 0.61               | 0.61               | 0.69               | 0.48               | 0.57               | 0.65               | 0.65               | 0.74               | 0.51               | 0.60               | 0.68               | 0.68               | 0.78               |      |
|                  |                    | PI            | 0.53               | 0.53               | 0.53               | 0.53               | 0.54               | 0.57               | 0.57               | 0.57               | 0.57               | 0.57               | 0.60               | 0.60               | 0.60               | 0.60               | 0.60               | 0.63               | 0.64               | 0.64               | 0.64               | 0.64               | 0.64 |
|                  | 0°F<br>(-17.8°C)   | TC            | 17644              | 17667              | 17686              | 17687              | 17711              | 18707              | 18729              | 18748              | 18751              | 18773              | 19825              | 19850              | 19872              | 19876              | 19898              | 21019              | 21042              | 21065              | 21068              | 21094              |      |
|                  |                    | S/T           | 0.43               | 0.51               | 0.58               | 0.58               | 0.66               | 0.46               | 0.54               | 0.61               | 0.61               | 0.70               | 0.49               | 0.57               | 0.65               | 0.65               | 0.74               | 0.52               | 0.60               | 0.69               | 0.69               | 0.78               |      |
|                  |                    | PI            | 0.55               | 0.55               | 0.55               | 0.55               | 0.55               | 0.58               | 0.58               | 0.58               | 0.58               | 0.59               | 0.62               | 0.62               | 0.62               | 0.62               | 0.62               | 0.66               | 0.66               | 0.66               | 0.66               | 0.66               | 0.66 |
|                  | 5°F<br>(-15.0°C)   | TC            | 18322              | 18347              | 18367              | 18367              | 18392              | 19426              | 19449              | 19469              | 19472              | 19496              | 20587              | 20614              | 20637              | 20641              | 20664              | 21827              | 21851              | 21875              | 21878              | 21906              |      |
|                  |                    | S/T           | 0.43               | 0.51               | 0.58               | 0.58               | 0.66               | 0.46               | 0.54               | 0.61               | 0.61               | 0.70               | 0.49               | 0.57               | 0.65               | 0.65               | 0.74               | 0.52               | 0.61               | 0.69               | 0.69               | 0.79               |      |
|                  |                    | PI            | 0.57               | 0.57               | 0.57               | 0.57               | 0.57               | 0.61               | 0.61               | 0.61               | 0.61               | 0.61               | 0.64               | 0.64               | 0.64               | 0.64               | 0.64               | 0.68               | 0.68               | 0.68               | 0.68               | 0.68               | 0.68 |
|                  | 14°F<br>(-10.0°C)  | TC            | 17560              | 17584              | 17603              | 17603              | 17627              | 18618              | 18640              | 18659              | 18662              | 18685              | 19731              | 19756              | 19778              | 19782              | 19804              | 20919              | 20942              | 20965              | 20968              | 20994              |      |
|                  |                    | S/T           | 0.44               | 0.51               | 0.58               | 0.58               | 0.66               | 0.46               | 0.54               | 0.62               | 0.62               | 0.70               | 0.49               | 0.57               | 0.65               | 0.65               | 0.74               | 0.52               | 0.61               | 0.69               | 0.69               | 0.79               |      |
|                  |                    | PI            | 0.64               | 0.64               | 0.64               | 0.64               | 0.64               | 0.68               | 0.68               | 0.68               | 0.68               | 0.68               | 0.72               | 0.72               | 0.72               | 0.72               | 0.72               | 0.76               | 0.76               | 0.77               | 0.77               | 0.77               | 0.77 |
|                  | 17°F<br>(-8.3°C)   | TC            | 17306              | 17329              | 17348              | 17349              | 17372              | 18349              | 18371              | 18389              | 18392              | 18414              | 19445              | 19470              | 19492              | 19496              | 19517              | 20617              | 20639              | 20662              | 20665              | 20691              |      |
|                  |                    | S/T           | 0.44               | 0.51               | 0.58               | 0.58               | 0.66               | 0.46               | 0.54               | 0.62               | 0.62               | 0.70               | 0.49               | 0.58               | 0.65               | 0.65               | 0.75               | 0.52               | 0.61               | 0.69               | 0.69               | 0.79               |      |
|                  |                    | PI            | 0.66               | 0.66               | 0.67               | 0.67               | 0.67               | 0.70               | 0.70               | 0.71               | 0.71               | 0.71               | 0.75               | 0.75               | 0.75               | 0.75               | 0.75               | 0.79               | 0.79               | 0.79               | 0.79               | 0.79               | 0.79 |
|                  | 23°F<br>(-5.0°C)   | TC            | 17097              | 17120              | 17139              | 17139              | 17163              | 18128              | 18149              | 18167              | 18171              | 18192              | 19211              | 19236              | 19257              | 19261              | 19282              | 20368              | 20390              | 20412              | 20416              | 20441              |      |
|                  |                    | S/T           | 0.44               | 0.52               | 0.59               | 0.59               | 0.67               | 0.47               | 0.55               | 0.62               | 0.62               | 0.71               | 0.49               | 0.58               | 0.66               | 0.66               | 0.75               | 0.52               | 0.61               | 0.70               | 0.70               | 0.79               |      |
|                  |                    | PI            | 0.69               | 0.69               | 0.69               | 0.69               | 0.69               | 0.73               | 0.73               | 0.73               | 0.73               | 0.73               | 0.77               | 0.78               | 0.78               | 0.78               | 0.78               | 0.82               | 0.82               | 0.82               | 0.82               | 0.82               | 0.82 |
|                  | 35°F<br>(1.7°C)    | TC            | 16680              | 16702              | 16720              | 16721              | 16744              | 17685              | 17706              | 17724              | 17727              | 17748              | 18742              | 18766              | 18787              | 18791              | 18811              | 19871              | 19893              | 19914              | 19917              | 19942              |      |
|                  |                    | S/T           | 0.44               | 0.52               | 0.59               | 0.59               | 0.67               | 0.47               | 0.55               | 0.62               | 0.62               | 0.71               | 0.50               | 0.58               | 0.66               | 0.66               | 0.75               | 0.53               | 0.62               | 0.70               | 0.70               | 0.80               |      |
|                  |                    | PI            | 0.74               | 0.74               | 0.74               | 0.74               | 0.74               | 0.78               | 0.78               | 0.78               | 0.79               | 0.79               | 0.83               | 0.83               | 0.83               | 0.83               | 0.83               | 0.88               | 0.88               | 0.88               | 0.88               | 0.88               | 0.88 |
|                  | 41°F<br>(5.0°C)    | TC            | 16459              | 16481              | 16499              | 16500              | 16522              | 17451              | 17472              | 17489              | 17492              | 17513              | 18494              | 18518              | 18538              | 18542              | 18562              | 19608              | 19629              | 19651              | 19654              | 19678              |      |
|                  |                    | S/T           | 0.44               | 0.52               | 0.59               | 0.59               | 0.67               | 0.47               | 0.55               | 0.62               | 0.62               | 0.71               | 0.50               | 0.58               | 0.66               | 0.66               | 0.75               | 0.53               | 0.62               | 0.70               | 0.70               | 0.80               |      |
|                  |                    | PI            | 0.76               | 0.76               | 0.76               | 0.76               | 0.76               | 0.80               | 0.80               | 0.80               | 0.80               | 0.80               | 0.85               | 0.85               | 0.85               | 0.85               | 0.85               | 0.90               | 0.90               | 0.90               | 0.90               | 0.90               | 0.90 |
|                  | 47°F<br>(8.3°C)    | TC            | 16238              | 16260              | 16278              | 16278              | 16300              | 17217              | 17237              | 17254              | 17258              | 17278              | 18245              | 18269              | 18289              | 18293              | 18313              | 19345              | 19366              | 19387              | 19390              | 19414              |      |
|                  |                    | S/T           | 0.44               | 0.52               | 0.59               | 0.59               | 0.67               | 0.47               | 0.55               | 0.63               | 0.63               | 0.71               | 0.50               | 0.58               | 0.66               | 0.66               | 0.76               | 0.53               | 0.62               | 0.70               | 0.70               | 0.80               |      |
|                  |                    | PI            | 0.77               | 0.77               | 0.77               | 0.77               | 0.77               | 0.82               | 0.82               | 0.82               | 0.82               | 0.82               | 0.87               | 0.87               | 0.87               | 0.87               | 0.87               | 0.92               | 0.92               | 0.92               | 0.92               | 0.92               | 0.92 |
|                  | 50°F<br>(10.0°C)   | TC            | 16462              | 16484              | 16502              | 16503              | 16525              | 17454              | 17475              | 17492              | 17496              | 17516              | 18497              | 18521              | 18542              | 18545              | 18566              | 19612              | 19633              | 19654              | 19657              | 19682              |      |
|                  |                    | S/T           | 0.45               | 0.52               | 0.59               | 0.59               | 0.68               | 0.47               | 0.55               | 0.63               | 0.63               | 0.72               | 0.50               | 0.59               | 0.67               | 0.67               | 0.76               | 0.53               | 0.62               | 0.71               | 0.71               | 0.81               |      |
|                  |                    | PI            | 0.79               | 0.79               | 0.79               | 0.79               | 0.79               | 0.84               | 0.84               | 0.84               | 0.84               | 0.84               | 0.89               | 0.89               | 0.89               | 0.89               | 0.89               | 0.94               | 0.94               | 0.94               | 0.94               | 0.94               | 0.94 |
|                  | 59°F<br>(15.0°C)   | TC            | 17134              | 17157              | 17176              | 17177              | 17200              | 18167              | 18188              | 18206              | 18210              | 18232              | 19252              | 19277              | 19299              | 19302              | 19324              | 20412              | 20434              | 20457              | 20460              | 20485              |      |
|                  |                    | S/T           | 0.45               | 0.53               | 0.60               | 0.60               | 0.68               | 0.47               | 0.56               | 0.63               | 0.63               | 0.72               | 0.50               | 0.59               | 0.67               | 0.67               | 0.76               | 0.53               | 0.63               | 0.71               | 0.71               | 0.81               |      |
|                  |                    | PI            | 0.84               | 0.84               | 0.84               | 0.84               | 0.84               | 0.89               | 0.89               | 0.89               | 0.89               | 0.89               | 0.94               | 0.94               | 0.95               | 0.95               | 0.95               | 1.00               | 1.00               | 1.00               | 1.00               | 1.00               | 1.00 |
|                  | 68°F<br>(20.0°C)   | TC            | 17806              | 17830              | 17850              | 17850              | 17874              | 18880              | 18902              | 18921              | 18924              | 18947              | 20007              | 20033              | 20056              | 20060              | 20082              | 21213              | 21236              | 21259              | 21262              | 21289              |      |
|                  |                    | S/T           | 0.46               | 0.54               | 0.61               | 0.61               | 0.70               | 0.49               | 0.57               | 0.65               | 0.65               | 0.74               | 0.52               | 0.61               | 0.69               | 0.69               | 0.79               | 0.55               | 0.64               | 0.73               | 0.73               | 0.83               |      |
|                  |                    | PI            | 0.89               | 0.89               | 0.89               | 0.89               | 0.89               | 0.94               | 0.94               | 0.95               | 0.95               | 0.95               | 1.00               | 1.00               | 1.00               | 1.00               | 1.00               | 1.06               | 1.06               | 1.06               | 1.06               | 1.06               | 1.06 |
|                  | 77°F<br>(25.0°C)   | TC            | 18479              | 18503              | 18523              | 18524              | 18549              | 19592              | 19615              | 19635              | 19639              | 19662              | 20763              | 20790              | 20813              | 20817              | 20840              | 22014              | 22038              | 22062              | 22065              | 22092              |      |
|                  |                    | S/T           | 0.47               | 0.55               | 0.62               | 0.62               | 0.71               | 0.49               | 0.58               | 0.66               | 0.66               | 0.75               | 0.52               | 0.61               | 0.70               | 0.70               | 0.80               | 0.55               | 0.65               | 0.74               | 0.74               | 0.84               |      |
|                  |                    | PI            | 0.94               | 0.94               | 0.94               | 0.94               | 0.94               | 1.00               | 1.00               | 1.00               | 1.00               | 1.00               | 1.06               | 1.06               | 1.06               | 1.06               | 1.06               | 1.12               | 1.12               | 1.12               | 1.12               | 1.12               | 1.12 |
|                  | 82°F<br>(27.8°C)   | TC            | 18377              | 18402              | 18421              | 18422              | 18447              | 19484              | 19507              | 19527              | 19531              | 19554              | 20648              | 20675              | 20698              | 20702              | 20725              | 21893              | 21916              | 21940              | 21944              | 21971              |      |
|                  |                    | S/T           | 0.47               | 0.55               | 0.63               | 0.63               | 0.72               | 0.50               | 0.59               | 0.67               | 0.67               | 0.76               | 0.53               | 0.62               | 0.71               | 0.71               | 0.81               | 0.56               | 0.66               | 0.75               | 0.75               | 0.85               |      |
|                  |                    | PI            | 1.02               | 1.02               | 1.02               | 1.02               | 1.02               | 1.08               | 1.08               | 1.08               | 1.08               | 1.09               | 1.15               | 1.15               | 1.15               | 1.15               | 1.15               | 1.21               | 1.22               | 1.22               | 1.22               | 1.22               | 1.22 |
|                  | 86°F<br>(30.0°C)   | TC            | 17696              | 17720              | 17739              | 17740              | 17764              | 18763              | 18785              | 18804              | 18807              | 18830              | 19884              | 19910              | 19932              | 19936              | 19958              | 21082              | 21105              | 21128              | 21131              | 21157              |      |
|                  |                    | S/T           | 0.48               | 0.56               | 0.64               | 0.64               | 0.73               | 0.51               | 0.59               | 0.68               | 0.68               | 0.77               | 0.54               | 0.63               | 0.72               | 0.72               | 0.82               | 0.57               | 0.67               | 0.76               | 0.76               | 0.86               |      |
|                  |                    | PI            | 1.15               | 1.15               | 1.15               | 1.15               | 1.15               | 1.22               | 1.22               | 1.22               | 1.22               | 1.22               | 1.29               | 1.29               |                    |                    |                    |                    |                    |                    |                    |                    |      |

COOLING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 18 (Sheet 2 of 4)

| AIRFLOW<br>(CFM) | OUTDOOR<br>DB (°F) | ID WB<br>(°F) | 60.8°F (16.0°C) |                    |                    |                    |                    | 64.4°F (18.0°C)    |                    |                    |                    |                    | 67°F (19.4°C)      |                    |                    |                    |                    | 71.6°F (22.0°C)    |                    |                    |                    |                    |                    |
|------------------|--------------------|---------------|-----------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                  |                    |               | ID DB<br>(°F)   | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) |
|                  |                    |               | (°F)            | (°F)               | (°F)               | (°F)               | (°F)               | (°F)               | (°F)               | (°F)               | (°F)               | (°F)               | (°F)               | (°F)               | (°F)               | (°F)               | (°F)               | (°F)               | (°F)               | (°F)               | (°F)               | (°F)               | (°F)               |
| 530              | -22°F<br>(-30.0°C) | TC            | 15212           | 15233              | 15249              | 15250              | 15270              | 16129              | 16148              | 16164              | 16167              | 16186              | 17093              | 17115              | 17134              | 17137              | 17156              | 18123              | 18142              | 18162              | 18165              | 18187              |                    |
|                  |                    | S/T           | 0.44            | 0.52               | 0.59               | 0.59               | 0.67               | 0.47               | 0.55               | 0.62               | 0.62               | 0.71               | 0.50               | 0.58               | 0.66               | 0.66               | 0.75               | 0.53               | 0.62               | 0.70               | 0.70               | 0.80               |                    |
|                  |                    | PI            | 0.47            | 0.47               | 0.48               | 0.48               | 0.48               | 0.50               | 0.50               | 0.50               | 0.50               | 0.50               | 0.53               | 0.53               | 0.53               | 0.53               | 0.56               | 0.57               | 0.57               | 0.57               | 0.57               |                    |                    |
|                  | -13°F<br>(-25.0°C) | TC            | 16480           | 16502              | 16520              | 16521              | 16543              | 17473              | 17494              | 17511              | 17515              | 17535              | 18517              | 18541              | 18562              | 18565              | 18586              | 19633              | 19654              | 19675              | 19679              | 19703              |                    |
|                  |                    | S/T           | 0.44            | 0.52               | 0.59               | 0.59               | 0.68               | 0.47               | 0.55               | 0.63               | 0.63               | 0.72               | 0.50               | 0.59               | 0.67               | 0.67               | 0.76               | 0.53               | 0.62               | 0.71               | 0.71               | 0.81               |                    |
|                  |                    | PI            | 0.51            | 0.51               | 0.51               | 0.51               | 0.52               | 0.54               | 0.55               | 0.55               | 0.55               | 0.55               | 0.58               | 0.58               | 0.58               | 0.58               | 0.61               | 0.61               | 0.61               | 0.61               | 0.61               |                    |                    |
|                  | -4°F<br>(-20.0°C)  | TC            | 17748           | 17772              | 17791              | 17791              | 17815              | 18817              | 18839              | 18858              | 18862              | 18884              | 19941              | 19967              | 19990              | 19993              | 20016              | 21143              | 21166              | 21189              | 21192              | 21219              |                    |
|                  |                    | S/T           | 0.45            | 0.53               | 0.60               | 0.60               | 0.68               | 0.47               | 0.56               | 0.63               | 0.63               | 0.72               | 0.50               | 0.59               | 0.67               | 0.67               | 0.76               | 0.53               | 0.63               | 0.71               | 0.71               | 0.81               |                    |
|                  |                    | PI            | 0.55            | 0.55               | 0.55               | 0.55               | 0.56               | 0.59               | 0.59               | 0.59               | 0.59               | 0.59               | 0.62               | 0.62               | 0.62               | 0.62               | 0.66               | 0.66               | 0.66               | 0.66               | 0.66               |                    |                    |
|                  | 0°F<br>(-17.8°C)   | TC            | 18311           | 18336              | 18355              | 18356              | 18381              | 19415              | 19438              | 19457              | 19461              | 19484              | 20574              | 20601              | 20624              | 20628              | 20651              | 21814              | 21838              | 21862              | 21865              | 21892              |                    |
|                  |                    | S/T           | 0.45            | 0.53               | 0.60               | 0.60               | 0.68               | 0.48               | 0.56               | 0.63               | 0.63               | 0.72               | 0.50               | 0.59               | 0.67               | 0.67               | 0.77               | 0.53               | 0.63               | 0.71               | 0.71               | 0.81               |                    |
|                  |                    | PI            | 0.57            | 0.57               | 0.57               | 0.57               | 0.57               | 0.61               | 0.61               | 0.61               | 0.61               | 0.61               | 0.64               | 0.64               | 0.64               | 0.64               | 0.68               | 0.68               | 0.68               | 0.68               | 0.68               |                    |                    |
|                  | 5°F<br>(-15.0°C)   | TC            | 19015           | 19041              | 19061              | 19062              | 19088              | 20161              | 20185              | 20205              | 20209              | 20233              | 21366              | 21394              | 21417              | 21421              | 21445              | 22653              | 22678              | 22702              | 22706              | 22734              |                    |
|                  |                    | S/T           | 0.45            | 0.53               | 0.60               | 0.60               | 0.69               | 0.48               | 0.56               | 0.64               | 0.64               | 0.73               | 0.51               | 0.59               | 0.68               | 0.68               | 0.77               | 0.54               | 0.63               | 0.72               | 0.72               | 0.82               |                    |
|                  |                    | PI            | 0.59            | 0.59               | 0.59               | 0.59               | 0.59               | 0.63               | 0.63               | 0.63               | 0.63               | 0.63               | 0.67               | 0.67               | 0.67               | 0.67               | 0.71               | 0.71               | 0.71               | 0.71               | 0.71               |                    |                    |
|                  | 14°F<br>(-10.0°C)  | TC            | 18224           | 18249              | 18268              | 18269              | 18294              | 19323              | 19345              | 19365              | 19368              | 19391              | 20477              | 20504              | 20526              | 20530              | 20553              | 21711              | 21734              | 21758              | 21761              | 21789              |                    |
|                  |                    | S/T           | 0.45            | 0.53               | 0.60               | 0.60               | 0.69               | 0.48               | 0.56               | 0.64               | 0.64               | 0.73               | 0.51               | 0.60               | 0.68               | 0.68               | 0.77               | 0.54               | 0.63               | 0.72               | 0.72               | 0.82               |                    |
|                  |                    | PI            | 0.67            | 0.67               | 0.67               | 0.67               | 0.67               | 0.71               | 0.71               | 0.71               | 0.71               | 0.71               | 0.75               | 0.75               | 0.75               | 0.75               | 0.75               | 0.79               | 0.79               | 0.79               | 0.79               | 0.80               |                    |
|                  | 17°F<br>(-8.3°C)   | TC            | 17961           | 17985              | 18004              | 18005              | 18029              | 19043              | 19066              | 19084              | 19088              | 19111              | 20181              | 20207              | 20229              | 20233              | 20256              | 21397              | 21420              | 21443              | 21447              | 21473              |                    |
|                  |                    | S/T           | 0.45            | 0.53               | 0.60               | 0.60               | 0.69               | 0.48               | 0.56               | 0.64               | 0.64               | 0.73               | 0.51               | 0.60               | 0.68               | 0.68               | 0.77               | 0.54               | 0.63               | 0.72               | 0.72               | 0.82               |                    |
|                  |                    | PI            | 0.69            | 0.69               | 0.69               | 0.69               | 0.69               | 0.73               | 0.73               | 0.73               | 0.73               | 0.73               | 0.77               | 0.78               | 0.78               | 0.78               | 0.78               | 0.82               | 0.82               | 0.82               | 0.82               | 0.82               |                    |
|                  | 23°F<br>(-5.0°C)   | TC            | 17744           | 17768              | 17787              | 17788              | 17812              | 18813              | 18836              | 18854              | 18858              | 18880              | 19937              | 19963              | 19986              | 19989              | 20012              | 21139              | 21162              | 21185              | 21188              | 21214              |                    |
|                  |                    | S/T           | 0.46            | 0.53               | 0.61               | 0.61               | 0.69               | 0.48               | 0.57               | 0.64               | 0.64               | 0.73               | 0.51               | 0.60               | 0.68               | 0.68               | 0.78               | 0.54               | 0.64               | 0.72               | 0.72               | 0.82               |                    |
|                  |                    | PI            | 0.71            | 0.72               | 0.72               | 0.72               | 0.72               | 0.76               | 0.76               | 0.76               | 0.76               | 0.76               | 0.80               | 0.80               | 0.81               | 0.81               | 0.81               | 0.85               | 0.85               | 0.85               | 0.85               | 0.85               |                    |
|                  | 35°F<br>(1.7°C)    | TC            | 17311           | 17334              | 17353              | 17354              | 17377              | 18354              | 18376              | 18394              | 18398              | 18420              | 19451              | 19476              | 19498              | 19501              | 19523              | 20623              | 20645              | 20668              | 20671              | 20697              |                    |
|                  |                    | S/T           | 0.46            | 0.54               | 0.61               | 0.61               | 0.70               | 0.49               | 0.57               | 0.65               | 0.65               | 0.74               | 0.51               | 0.60               | 0.69               | 0.69               | 0.78               | 0.55               | 0.64               | 0.73               | 0.73               | 0.83               |                    |
|                  |                    | PI            | 0.77            | 0.77               | 0.77               | 0.77               | 0.77               | 0.81               | 0.81               | 0.81               | 0.81               | 0.82               | 0.86               | 0.86               | 0.86               | 0.86               | 0.86               | 0.91               | 0.91               | 0.92               | 0.92               | 0.92               |                    |
|                  | 41°F<br>(5.0°C)    | TC            | 17082           | 17105              | 17123              | 17124              | 17147              | 18111              | 18133              | 18151              | 18154              | 18176              | 19193              | 19218              | 19240              | 19243              | 19265              | 20350              | 20372              | 20394              | 20397              | 20423              |                    |
|                  |                    | S/T           | 0.46            | 0.54               | 0.61               | 0.61               | 0.70               | 0.49               | 0.57               | 0.65               | 0.65               | 0.74               | 0.52               | 0.60               | 0.69               | 0.69               | 0.78               | 0.55               | 0.64               | 0.73               | 0.73               | 0.83               |                    |
|                  |                    | PI            | 0.78            | 0.78               | 0.79               | 0.79               | 0.79               | 0.83               | 0.83               | 0.83               | 0.83               | 0.83               | 0.88               | 0.88               | 0.88               | 0.88               | 0.88               | 0.93               | 0.93               | 0.94               | 0.94               | 0.94               |                    |
|                  | 47°F<br>(8.3°C)    | TC            | 16853           | 16875              | 16893              | 16894              | 16917              | 17868              | 17889              | 17907              | 17911              | 17932              | 18936              | 18960              | 18981              | 18985              | 19006              | 20077              | 20098              | 20120              | 20123              | 20148              |                    |
|                  |                    | S/T           | 0.46            | 0.54               | 0.61               | 0.61               | 0.70               | 0.49               | 0.57               | 0.65               | 0.65               | 0.74               | 0.52               | 0.61               | 0.69               | 0.69               | 0.79               | 0.55               | 0.64               | 0.73               | 0.73               | 0.83               |                    |
|                  |                    | PI            | 0.80            | 0.80               | 0.80               | 0.80               | 0.80               | 0.85               | 0.85               | 0.85               | 0.85               | 0.85               | 0.90               | 0.90               | 0.90               | 0.90               | 0.90               | 0.95               | 0.96               | 0.96               | 0.96               | 0.96               |                    |
|                  | 50°F<br>(10.0°C)   | TC            | 17085           | 17108              | 17126              | 17127              | 17150              | 18115              | 18136              | 18154              | 18158              | 18179              | 19197              | 19222              | 19243              | 19247              | 19268              | 20354              | 20376              | 20398              | 20401              | 20426              |                    |
|                  |                    | S/T           | 0.46            | 0.54               | 0.62               | 0.62               | 0.70               | 0.49               | 0.58               | 0.65               | 0.65               | 0.75               | 0.52               | 0.61               | 0.69               | 0.69               | 0.79               | 0.55               | 0.65               | 0.73               | 0.73               | 0.84               |                    |
|                  |                    | PI            | 0.82            | 0.82               | 0.82               | 0.82               | 0.82               | 0.87               | 0.87               | 0.87               | 0.87               | 0.87               | 0.92               | 0.92               | 0.92               | 0.92               | 0.92               | 0.98               | 0.98               | 0.98               | 0.98               | 0.98               |                    |
|                  | 59°F<br>(15.0°C)   | TC            | 17783           | 17806              | 17826              | 17826              | 17850              | 18854              | 18877              | 18895              | 18899              | 18921              | 19981              | 20007              | 20029              | 20033              | 20055              | 21185              | 21208              | 21231              | 21234              | 21260              |                    |
|                  |                    | S/T           | 0.46            | 0.55               | 0.62               | 0.62               | 0.71               | 0.49               | 0.58               | 0.66               | 0.66               | 0.75               | 0.52               | 0.61               | 0.70               | 0.70               | 0.79               | 0.55               | 0.65               | 0.74               | 0.74               | 0.84               |                    |
|                  |                    | PI            | 0.87            | 0.87               | 0.87               | 0.87               | 0.87               | 0.92               | 0.92               | 0.93               | 0.93               | 0.93               | 0.98               | 0.98               | 0.98               | 0.98               | 0.98               | 1.04               | 1.04               | 1.04               | 1.04               | 1.04               |                    |
|                  | 68°F<br>(20.0°C)   | TC            | 18480           | 18505              | 18525              | 18526              | 18551              | 19594              | 19617              | 19636              | 19640              | 19664              | 20764              | 20791              | 20815              | 20818              | 20842              | 22015              | 22039              | 22063              | 22067              | 22094              |                    |
|                  |                    | S/T           | 0.48            | 0.56               | 0.64               | 0.64               | 0.73               | 0.51               | 0.59               | 0.67               | 0.67               | 0.77               | 0.54               | 0.63               | 0.71               | 0.71               | 0.81               | 0.57               | 0.67               | 0.76               | 0.76               | 0.86               |                    |
|                  |                    | PI            | 0.92            | 0.92               | 0.93               | 0.93               | 0.93               | 0.98               | 0.98               | 0.98               | 0.98               | 0.98               | 1.04               | 1.04               | 1.04               | 1.04               | 1.04               | 1.10               | 1.10               | 1.10               | 1.10               | 1.10               |                    |
|                  | 77°F<br>(25.0°C)   | TC            | 19178           | 19203              | 19224              | 19225              | 19251              | 20333              | 20357              | 20377              | 20382              | 20406              | 21548              | 21576              | 21600              | 21604              | 21628              | 22846              | 22871              | 22896              | 22900              | 22928              |                    |
|                  |                    | S/T           | 0.48            | 0.57               | 0.64               | 0.64               | 0.73               | 0.51               | 0.60               | 0.68               | 0.68               | 0.78               | 0.54               | 0.64               | 0.72               | 0.72               | 0.83               | 0.58               | 0.68               | 0.77               | 0.77               | 0.88               |                    |
|                  |                    | PI            | 0.98            | 0.98               | 0.98               | 0.98               | 0.98               | 1.04               | 1.04               | 1.04               | 1.04               | 1.04               | 1.10               | 1.10               | 1.10               | 1.10               | 1.10               | 1.16               | 1.16               | 1.17               | 1.17               | 1.17               |                    |
|                  | 82°F<br>(27.8°C)   | TC            | 19072           | 19098              | 19118              | 19119              | 19145              | 20222              | 20245              | 20265              | 20269              | 20294              | 21430              | 21457              | 21481              | 21485              | 21509              | 22721              | 22746              | 22770              | 22774              | 22802              |                    |
|                  |                    | S/T           | 0.49            | 0.57               | 0.65               | 0.65               | 0.74               | 0.52               | 0.61               | 0.69               | 0.69               | 0.79               | 0.55               | 0.65               | 0.73               | 0.73               | 0.84               | 0.58               | 0.68               | 0.78               | 0.78               | 0.89               |                    |
|                  |                    | PI            | 1.06            | 1.06               | 1.06               | 1.06               | 1.06               | 1.12               | 1.12               | 1.12               | 1.12               | 1.13               | 1.19               | 1.19               | 1.19               | 1.19               | 1.19               | 1.26               | 1.26               | 1.26               | 1.26               | 1.27               |                    |
|                  | 86°F<br>(30.0°C)   | TC            | 18366           | 18391              | 18410              | 18411              | 18436              | 19473              | 19496              | 19515              | 19519              | 19542              | 20636              | 20663              | 20686              | 20690              | 20713              | 21879              | 21903              | 21927              | 21930              | 21958              |                    |
|                  |                    | S/T           | 0.50            | 0.58               | 0.66               | 0.66               | 0.75               | 0.53               | 0.62               | 0.70               | 0.70               | 0.80               | 0.56               | 0.65               | 0.74               | 0.74               | 0.85               | 0.59               | 0.69               | 0.79               | 0.79               | 0.90               |                    |
|                  |                    | PI            | 1.19            | 1.19               | 1.19               | 1.19               | 1.20               | 1.26               | 1.26               | 1.27               | 1.27               | 1.27               | 1.34               | 1.34               | 1.34               | 1.34               | 1.34               | 1.42               | 1.42               | 1.42               | 1.42               | 1.42               |                    |
|                  | 95°F<br>(35.0°C)   | TC            |                 |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |

COOLING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 18 (Sheet 3 of 4)

| AIRFLOW<br>(CFM) | OUTDOOR<br>DB (°F) | ID WB<br>(°F) | 60.8°F (16.0°C)    |                    |                    |                    |                    | 64.4°F (18.0°C)    |                    |                    |                    |                    | 67°F (19.4°C)      |                    |                    |                    |                    | 71.6°F (22.0°C)    |                    |                    |                    |                    |
|------------------|--------------------|---------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                  |                    |               | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) |
|                  |                    | ID DB<br>(°F) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) |
| 580              | -22°F<br>(-30.0°C) | TC            | 15788              | 15809              | 15826              | 15827              | 15848              | 16739              | 16759              | 16776              | 16779              | 16799              | 17739              | 17762              | 17782              | 17785              | 17805              | 18808              | 18829              | 18849              | 18852              | 18875              |
|                  |                    | S/T           | 0.46               | 0.54               | 0.61               | 0.61               | 0.70               | 0.49               | 0.57               | 0.65               | 0.65               | 0.74               | 0.52               | 0.60               | 0.69               | 0.69               | 0.78               | 0.55               | 0.64               | 0.73               | 0.73               | 0.83               |
|                  |                    | PI            | 0.49               | 0.49               | 0.49               | 0.49               | 0.49               | 0.52               | 0.52               | 0.52               | 0.52               | 0.52               | 0.55               | 0.55               | 0.55               | 0.55               | 0.55               | 0.59               | 0.59               | 0.59               | 0.59               | 0.59               |
|                  | -13°F<br>(-25.0°C) | TC            | 17103              | 17126              | 17145              | 17146              | 17169              | 18134              | 18156              | 18174              | 18177              | 18199              | 19218              | 19243              | 19264              | 19268              | 19289              | 20375              | 20398              | 20420              | 20423              | 20448              |
|                  |                    | S/T           | 0.46               | 0.54               | 0.62               | 0.62               | 0.70               | 0.49               | 0.57               | 0.65               | 0.65               | 0.74               | 0.52               | 0.61               | 0.69               | 0.69               | 0.79               | 0.55               | 0.65               | 0.73               | 0.73               | 0.84               |
|                  |                    | PI            | 0.53               | 0.53               | 0.53               | 0.53               | 0.54               | 0.57               | 0.57               | 0.57               | 0.57               | 0.57               | 0.60               | 0.60               | 0.60               | 0.60               | 0.60               | 0.64               | 0.64               | 0.64               | 0.64               | 0.64               |
|                  | -4°F<br>(-20.0°C)  | TC            | 18419              | 18444              | 18464              | 18465              | 18489              | 19529              | 19552              | 19572              | 19575              | 19599              | 20696              | 20723              | 20746              | 20750              | 20773              | 21943              | 21967              | 21991              | 21994              | 22021              |
|                  |                    | S/T           | 0.46               | 0.54               | 0.62               | 0.62               | 0.71               | 0.49               | 0.58               | 0.66               | 0.66               | 0.75               | 0.52               | 0.61               | 0.70               | 0.70               | 0.79               | 0.55               | 0.65               | 0.74               | 0.74               | 0.84               |
|                  |                    | PI            | 0.57               | 0.57               | 0.58               | 0.58               | 0.58               | 0.61               | 0.61               | 0.61               | 0.61               | 0.61               | 0.65               | 0.65               | 0.65               | 0.65               | 0.65               | 0.68               | 0.68               | 0.69               | 0.69               | 0.69               |
|                  | 0°F<br>(-17.8°C)   | TC            | 19004              | 19029              | 19050              | 19051              | 19076              | 20149              | 20173              | 20193              | 20197              | 20221              | 21353              | 21381              | 21404              | 21408              | 21432              | 22639              | 22664              | 22689              | 22692              | 22720              |
|                  |                    | S/T           | 0.47               | 0.55               | 0.62               | 0.62               | 0.71               | 0.49               | 0.58               | 0.66               | 0.66               | 0.75               | 0.52               | 0.61               | 0.70               | 0.70               | 0.80               | 0.55               | 0.65               | 0.74               | 0.74               | 0.84               |
|                  |                    | PI            | 0.59               | 0.59               | 0.59               | 0.59               | 0.59               | 0.63               | 0.63               | 0.63               | 0.63               | 0.63               | 0.67               | 0.67               | 0.67               | 0.67               | 0.71               | 0.71               | 0.71               | 0.71               | 0.71               | 0.71               |
|                  | 5°F<br>(-15.0°C)   | TC            | 19735              | 19761              | 19783              | 19783              | 19810              | 20924              | 20949              | 20969              | 20974              | 20999              | 22174              | 22203              | 22228              | 22232              | 22257              | 23510              | 23536              | 23561              | 23565              | 23594              |
|                  |                    | S/T           | 0.47               | 0.55               | 0.62               | 0.62               | 0.71               | 0.50               | 0.58               | 0.66               | 0.66               | 0.75               | 0.53               | 0.62               | 0.70               | 0.70               | 0.80               | 0.56               | 0.65               | 0.74               | 0.74               | 0.85               |
|                  |                    | PI            | 0.62               | 0.62               | 0.62               | 0.62               | 0.62               | 0.65               | 0.65               | 0.65               | 0.65               | 0.65               | 0.69               | 0.69               | 0.69               | 0.69               | 0.69               | 0.73               | 0.73               | 0.73               | 0.73               | 0.74               |
|                  | 14°F<br>(-10.0°C)  | TC            | 18914              | 18939              | 18960              | 18960              | 18986              | 20054              | 20077              | 20097              | 20101              | 20125              | 21252              | 21279              | 21303              | 21307              | 21331              | 22532              | 22557              | 22581              | 22585              | 22613              |
|                  |                    | S/T           | 0.47               | 0.55               | 0.63               | 0.63               | 0.71               | 0.50               | 0.58               | 0.66               | 0.66               | 0.76               | 0.53               | 0.62               | 0.70               | 0.70               | 0.80               | 0.56               | 0.66               | 0.74               | 0.74               | 0.85               |
|                  |                    | PI            | 0.69               | 0.69               | 0.69               | 0.69               | 0.69               | 0.73               | 0.73               | 0.73               | 0.73               | 0.73               | 0.78               | 0.78               | 0.78               | 0.78               | 0.78               | 0.82               | 0.82               | 0.82               | 0.82               | 0.83               |
|                  | 17°F<br>(-8.3°C)   | TC            | 18640              | 18665              | 18685              | 18686              | 18711              | 19763              | 19787              | 19806              | 19810              | 19834              | 20944              | 20971              | 20995              | 20999              | 21022              | 22206              | 22230              | 22254              | 22258              | 22286              |
|                  |                    | S/T           | 0.47               | 0.55               | 0.63               | 0.63               | 0.72               | 0.50               | 0.59               | 0.66               | 0.66               | 0.76               | 0.53               | 0.62               | 0.70               | 0.70               | 0.80               | 0.56               | 0.66               | 0.75               | 0.75               | 0.85               |
|                  |                    | PI            | 0.72               | 0.72               | 0.72               | 0.72               | 0.72               | 0.76               | 0.76               | 0.76               | 0.76               | 0.76               | 0.80               | 0.80               | 0.81               | 0.81               | 0.81               | 0.85               | 0.85               | 0.85               | 0.85               | 0.86               |
|                  | 23°F<br>(-5.0°C)   | TC            | 18415              | 18440              | 18460              | 18461              | 18486              | 19525              | 19548              | 19568              | 19571              | 19595              | 20692              | 20719              | 20742              | 20745              | 20769              | 21938              | 21962              | 21986              | 21990              | 22017              |
|                  |                    | S/T           | 0.47               | 0.55               | 0.63               | 0.63               | 0.72               | 0.50               | 0.59               | 0.67               | 0.67               | 0.76               | 0.53               | 0.62               | 0.71               | 0.71               | 0.81               | 0.56               | 0.66               | 0.75               | 0.75               | 0.86               |
|                  |                    | PI            | 0.74               | 0.74               | 0.74               | 0.74               | 0.74               | 0.79               | 0.79               | 0.79               | 0.79               | 0.79               | 0.83               | 0.83               | 0.84               | 0.84               | 0.84               | 0.88               | 0.88               | 0.89               | 0.89               | 0.89               |
|                  | 35°F<br>(1.7°C)    | TC            | 17966              | 17990              | 18009              | 18010              | 18034              | 19049              | 19071              | 19090              | 19094              | 19116              | 20187              | 20213              | 20235              | 20239              | 20262              | 21403              | 21426              | 21449              | 21453              | 21480              |
|                  |                    | S/T           | 0.48               | 0.56               | 0.63               | 0.63               | 0.72               | 0.50               | 0.59               | 0.67               | 0.67               | 0.77               | 0.53               | 0.63               | 0.71               | 0.71               | 0.81               | 0.57               | 0.66               | 0.75               | 0.75               | 0.86               |
|                  |                    | PI            | 0.80               | 0.80               | 0.80               | 0.80               | 0.80               | 0.84               | 0.84               | 0.85               | 0.85               | 0.85               | 0.89               | 0.90               | 0.90               | 0.90               | 0.90               | 0.95               | 0.95               | 0.95               | 0.95               | 0.95               |
|                  | 41°F<br>(5.0°C)    | TC            | 17728              | 17752              | 17771              | 17772              | 17796              | 18796              | 18819              | 18837              | 18841              | 18863              | 19919              | 19945              | 19967              | 19971              | 19993              | 21119              | 21142              | 21165              | 21169              | 21195              |
|                  |                    | S/T           | 0.48               | 0.56               | 0.63               | 0.63               | 0.72               | 0.50               | 0.59               | 0.67               | 0.67               | 0.77               | 0.53               | 0.63               | 0.71               | 0.71               | 0.81               | 0.57               | 0.67               | 0.76               | 0.76               | 0.86               |
|                  |                    | PI            | 0.81               | 0.81               | 0.82               | 0.82               | 0.82               | 0.86               | 0.86               | 0.86               | 0.86               | 0.86               | 0.87               | 0.91               | 0.92               | 0.92               | 0.92               | 0.92               | 0.97               | 0.97               | 0.97               | 0.97               |
|                  | 47°F<br>(8.3°C)    | TC            | 17490              | 17514              | 17532              | 17533              | 17557              | 18544              | 18566              | 18584              | 18588              | 18610              | 19652              | 19678              | 19699              | 19703              | 19725              | 20836              | 20859              | 20881              | 20885              | 20911              |
|                  |                    | S/T           | 0.48               | 0.56               | 0.64               | 0.64               | 0.73               | 0.51               | 0.59               | 0.67               | 0.68               | 0.77               | 0.54               | 0.63               | 0.72               | 0.72               | 0.82               | 0.57               | 0.67               | 0.76               | 0.76               | 0.86               |
|                  |                    | PI            | 0.83               | 0.83               | 0.83               | 0.83               | 0.83               | 0.88               | 0.88               | 0.88               | 0.88               | 0.88               | 0.93               | 0.94               | 0.94               | 0.94               | 0.94               | 0.99               | 0.99               | 0.99               | 0.99               | 0.99               |
|                  | 50°F<br>(10.0°C)   | TC            | 17731              | 17755              | 17774              | 17775              | 17799              | 18800              | 18822              | 18841              | 18845              | 18867              | 19923              | 19949              | 19971              | 19975              | 19997              | 21124              | 21147              | 21170              | 21173              | 21199              |
|                  |                    | S/T           | 0.48               | 0.56               | 0.64               | 0.64               | 0.73               | 0.51               | 0.60               | 0.68               | 0.68               | 0.77               | 0.54               | 0.63               | 0.72               | 0.72               | 0.82               | 0.57               | 0.67               | 0.76               | 0.76               | 0.87               |
|                  |                    | PI            | 0.85               | 0.85               | 0.85               | 0.85               | 0.85               | 0.90               | 0.90               | 0.90               | 0.90               | 0.90               | 0.95               | 0.96               | 0.96               | 0.96               | 0.96               | 1.01               | 1.01               | 1.01               | 1.01               | 1.02               |
|                  | 59°F<br>(15.0°C)   | TC            | 18455              | 18480              | 18500              | 18501              | 18526              | 19567              | 19591              | 19610              | 19614              | 19637              | 20737              | 20763              | 20787              | 20790              | 20814              | 21986              | 22010              | 22034              | 22037              | 22065              |
|                  |                    | S/T           | 0.48               | 0.57               | 0.64               | 0.64               | 0.73               | 0.51               | 0.60               | 0.68               | 0.68               | 0.78               | 0.54               | 0.64               | 0.72               | 0.72               | 0.82               | 0.57               | 0.67               | 0.77               | 0.77               | 0.87               |
|                  |                    | PI            | 0.90               | 0.91               | 0.91               | 0.91               | 0.91               | 0.96               | 0.96               | 0.96               | 0.96               | 0.96               | 1.02               | 1.02               | 1.02               | 1.02               | 1.02               | 1.08               | 1.08               | 1.08               | 1.08               | 1.08               |
|                  | 68°F<br>(20.0°C)   | TC            | 19179              | 19205              | 19226              | 19227              | 19252              | 20335              | 20359              | 20379              | 20383              | 20407              | 21550              | 21578              | 21602              | 21606              | 21630              | 22848              | 22873              | 22898              | 22902              | 22930              |
|                  |                    | S/T           | 0.50               | 0.58               | 0.66               | 0.66               | 0.75               | 0.52               | 0.62               | 0.70               | 0.70               | 0.80               | 0.56               | 0.65               | 0.74               | 0.74               | 0.85               | 0.59               | 0.69               | 0.79               | 0.79               | 0.90               |
|                  |                    | PI            | 0.96               | 0.96               | 0.96               | 0.96               | 0.96               | 1.02               | 1.02               | 1.02               | 1.02               | 1.02               | 1.08               | 1.08               | 1.08               | 1.08               | 1.08               | 1.14               | 1.14               | 1.14               | 1.14               | 1.15               |
|                  | 77°F<br>(25.0°C)   | TC            | 19903              | 19930              | 19951              | 19952              | 19979              | 21103              | 21128              | 21148              | 21153              | 21178              | 22363              | 22392              | 22417              | 22421              | 22446              | 23711              | 23736              | 23762              | 23766              | 23796              |
|                  |                    | S/T           | 0.50               | 0.59               | 0.67               | 0.67               | 0.76               | 0.53               | 0.62               | 0.71               | 0.71               | 0.81               | 0.56               | 0.66               | 0.75               | 0.75               | 0.86               | 0.60               | 0.70               | 0.80               | 0.80               | 0.91               |
|                  |                    | PI            | 1.01               | 1.01               | 1.02               | 1.02               | 1.02               | 1.07               | 1.08               | 1.08               | 1.08               | 1.08               | 1.14               | 1.14               | 1.14               | 1.14               | 1.14               | 1.21               | 1.21               | 1.21               | 1.21               | 1.21               |
|                  | 82°F<br>(27.8°C)   | TC            | 19794              | 19820              | 19842              | 19843              | 19869              | 20987              | 21011              | 21032              | 21036              | 21061              | 22240              | 22269              | 22294              | 22298              | 22323              | 23580              | 23606              | 23632              | 23635              | 23665              |
|                  |                    | S/T           | 0.51               | 0.60               | 0.68               | 0.68               | 0.77               | 0.54               | 0.63               | 0.72               | 0.72               | 0.82               | 0.57               | 0.67               | 0.76               | 0.76               | 0.87               | 0.61               | 0.71               | 0.81               | 0.81               | 0.92               |
|                  |                    | PI            | 1.10               | 1.10               | 1.10               | 1.10               | 1.10               | 1.16               | 1.17               | 1.17               | 1.17               | 1.17               | 1.23               | 1.24               | 1.24               | 1.24               | 1.24               | 1.31               | 1.31               | 1.31               | 1.31               | 1.31               |
|                  | 86°F<br>(30.0°C)   | TC            | 19061              | 19086              | 19107              | 19108              | 19133              | 20209              | 20233              | 20253              | 20257              | 20281              | 21417              | 21445              | 21468              | 21472              | 21496              | 22707              | 22732              | 22757              |                    |                    |

COOLING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 18 (Sheet 4 of 4)

| AIRFLOW<br>(CFM) | OUTDOOR<br>DB (°F) | ID WB<br>(°F) | 60.8°F (16.0°C) |                    |                    |                    |                    | 64.4°F (18.0°C)    |                    |                    |                    |                    | 67°F (19.4°C)      |                    |                    |                    |                    | 71.6°F (22.0°C)    |                    |                    |                    |                    |
|------------------|--------------------|---------------|-----------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                  |                    |               | ID DB<br>(°F)   | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) |
| 620              | -22°F<br>(-30.0°C) | TC            | 16385           | 16407              | 16425              | 16425              | 16448              | 17372              | 17393              | 17410              | 17414              | 17434              | 18410              | 18434              | 18455              | 18458              | 18479              | 19520              | 19541              | 19562              | 19565              | 19590              |
|                  |                    | S/T           | 0.48            | 0.56               | 0.63               | 0.63               | 0.72               | 0.50               | 0.59               | 0.67               | 0.67               | 0.77               | 0.53               | 0.63               | 0.71               | 0.71               | 0.81               | 0.57               | 0.67               | 0.76               | 0.76               | 0.86               |
|                  |                    | PI            | 0.51            | 0.51               | 0.51               | 0.51               | 0.51               | 0.54               | 0.54               | 0.54               | 0.54               | 0.54               | 0.57               | 0.57               | 0.58               | 0.58               | 0.58               | 0.61               | 0.61               | 0.61               | 0.61               | 0.61               |
|                  | -13°F<br>(-25.0°C) | TC            | 17750           | 17774              | 17793              | 17794              | 17818              | 18820              | 18842              | 18861              | 18865              | 18887              | 19945              | 19970              | 19993              | 19996              | 20019              | 21146              | 21169              | 21192              | 21196              | 21222              |
|                  |                    | S/T           | 0.48            | 0.56               | 0.64               | 0.64               | 0.73               | 0.51               | 0.60               | 0.68               | 0.68               | 0.77               | 0.54               | 0.63               | 0.72               | 0.72               | 0.82               | 0.57               | 0.67               | 0.76               | 0.76               | 0.87               |
|                  |                    | PI            | 0.55            | 0.55               | 0.55               | 0.55               | 0.56               | 0.59               | 0.59               | 0.59               | 0.59               | 0.59               | 0.62               | 0.62               | 0.62               | 0.62               | 0.62               | 0.66               | 0.66               | 0.66               | 0.66               | 0.66               |
|                  | -4°F<br>(-20.0°C)  | TC            | 19116           | 19142              | 19162              | 19163              | 19189              | 20268              | 20292              | 20312              | 20316              | 20340              | 21479              | 21507              | 21531              | 21535              | 21559              | 22773              | 22798              | 22822              | 22826              | 22854              |
|                  |                    | S/T           | 0.48            | 0.57               | 0.64               | 0.64               | 0.73               | 0.51               | 0.60               | 0.68               | 0.68               | 0.78               | 0.54               | 0.64               | 0.72               | 0.72               | 0.82               | 0.57               | 0.67               | 0.77               | 0.77               | 0.87               |
|                  |                    | PI            | 0.60            | 0.60               | 0.60               | 0.60               | 0.60               | 0.63               | 0.63               | 0.63               | 0.63               | 0.63               | 0.67               | 0.67               | 0.67               | 0.67               | 0.67               | 0.71               | 0.71               | 0.71               | 0.71               | 0.71               |
|                  | 0°F<br>(-17.8°C)   | TC            | 19723           | 19749              | 19771              | 19771              | 19798              | 20911              | 20936              | 20957              | 20961              | 20986              | 22161              | 22189              | 22214              | 22218              | 22243              | 23496              | 23521              | 23547              | 23551              | 23580              |
|                  |                    | S/T           | 0.48            | 0.57               | 0.64               | 0.64               | 0.73               | 0.51               | 0.60               | 0.68               | 0.68               | 0.78               | 0.54               | 0.64               | 0.72               | 0.72               | 0.83               | 0.58               | 0.68               | 0.77               | 0.77               | 0.88               |
|                  |                    | PI            | 0.61            | 0.62               | 0.62               | 0.62               | 0.62               | 0.65               | 0.65               | 0.65               | 0.65               | 0.65               | 0.69               | 0.69               | 0.69               | 0.69               | 0.69               | 0.73               | 0.73               | 0.73               | 0.73               | 0.73               |
|                  | 5°F<br>(-15.0°C)   | TC            | 20481           | 20509              | 20531              | 20532              | 20560              | 21716              | 21741              | 21763              | 21767              | 21793              | 23013              | 23043              | 23069              | 23073              | 23099              | 24400              | 24426              | 24453              | 24456              | 24487              |
|                  |                    | S/T           | 0.49            | 0.57               | 0.65               | 0.65               | 0.74               | 0.51               | 0.60               | 0.69               | 0.69               | 0.78               | 0.55               | 0.64               | 0.73               | 0.73               | 0.83               | 0.58               | 0.68               | 0.77               | 0.77               | 0.88               |
|                  |                    | PI            | 0.64            | 0.64               | 0.64               | 0.64               | 0.64               | 0.68               | 0.68               | 0.68               | 0.68               | 0.68               | 0.72               | 0.72               | 0.72               | 0.72               | 0.72               | 0.76               | 0.76               | 0.76               | 0.76               | 0.76               |
|                  | 14°F<br>(-10.0°C)  | TC            | 19629           | 19656              | 19677              | 19678              | 19704              | 20812              | 20837              | 20857              | 20862              | 20886              | 22056              | 22084              | 22109              | 22113              | 22138              | 23385              | 23410              | 23435              | 23439              | 23468              |
|                  |                    | S/T           | 0.49            | 0.57               | 0.65               | 0.65               | 0.74               | 0.52               | 0.61               | 0.69               | 0.69               | 0.78               | 0.55               | 0.64               | 0.73               | 0.73               | 0.83               | 0.58               | 0.68               | 0.77               | 0.77               | 0.88               |
|                  |                    | PI            | 0.72            | 0.72               | 0.72               | 0.72               | 0.72               | 0.76               | 0.76               | 0.76               | 0.76               | 0.76               | 0.80               | 0.81               | 0.81               | 0.81               | 0.81               | 0.85               | 0.85               | 0.86               | 0.86               | 0.86               |
|                  | 17°F<br>(-8.3°C)   | TC            | 19345           | 19371              | 19392              | 19393              | 19419              | 20511              | 20535              | 20556              | 20560              | 20584              | 21737              | 21765              | 21789              | 21793              | 21817              | 23046              | 23071              | 23096              | 23100              | 23129              |
|                  |                    | S/T           | 0.49            | 0.57               | 0.65               | 0.65               | 0.74               | 0.52               | 0.61               | 0.69               | 0.69               | 0.79               | 0.55               | 0.64               | 0.73               | 0.73               | 0.83               | 0.58               | 0.68               | 0.78               | 0.78               | 0.88               |
|                  |                    | PI            | 0.74            | 0.74               | 0.74               | 0.74               | 0.75               | 0.79               | 0.79               | 0.79               | 0.79               | 0.79               | 0.83               | 0.84               | 0.84               | 0.84               | 0.84               | 0.88               | 0.89               | 0.89               | 0.89               | 0.89               |
|                  | 23°F<br>(-5.0°C)   | TC            | 19112           | 19138              | 19158              | 19159              | 19185              | 20264              | 20288              | 20308              | 20312              | 20336              | 21474              | 21502              | 21526              | 21530              | 21554              | 22768              | 22793              | 22818              | 22821              | 22850              |
|                  |                    | S/T           | 0.49            | 0.58               | 0.65               | 0.65               | 0.75               | 0.52               | 0.61               | 0.69               | 0.69               | 0.79               | 0.55               | 0.65               | 0.74               | 0.74               | 0.84               | 0.58               | 0.69               | 0.78               | 0.78               | 0.89               |
|                  |                    | PI            | 0.77            | 0.77               | 0.77               | 0.77               | 0.77               | 0.82               | 0.82               | 0.82               | 0.82               | 0.82               | 0.87               | 0.87               | 0.87               | 0.87               | 0.87               | 0.92               | 0.92               | 0.92               | 0.92               | 0.92               |
|                  | 35°F<br>(1.7°C)    | TC            | 18646           | 18671              | 18691              | 18692              | 18717              | 19769              | 19793              | 19812              | 19816              | 19840              | 20950              | 20977              | 21001              | 21005              | 21028              | 22213              | 22237              | 22261              | 22264              | 22292              |
|                  |                    | S/T           | 0.49            | 0.58               | 0.66               | 0.66               | 0.75               | 0.52               | 0.61               | 0.70               | 0.70               | 0.79               | 0.55               | 0.65               | 0.74               | 0.74               | 0.84               | 0.59               | 0.69               | 0.78               | 0.78               | 0.89               |
|                  |                    | PI            | 0.83            | 0.83               | 0.83               | 0.83               | 0.83               | 0.88               | 0.88               | 0.88               | 0.88               | 0.88               | 0.93               | 0.93               | 0.93               | 0.93               | 0.93               | 0.98               | 0.98               | 0.99               | 0.99               | 0.99               |
|                  | 41°F<br>(5.0°C)    | TC            | 18399           | 18423              | 18443              | 18444              | 18469              | 19507              | 19531              | 19550              | 19554              | 19577              | 20673              | 20700              | 20723              | 20727              | 20750              | 21918              | 21942              | 21966              | 21970              | 21997              |
|                  |                    | S/T           | 0.49            | 0.58               | 0.66               | 0.66               | 0.75               | 0.52               | 0.61               | 0.70               | 0.70               | 0.80               | 0.56               | 0.65               | 0.74               | 0.74               | 0.84               | 0.59               | 0.69               | 0.78               | 0.78               | 0.89               |
|                  |                    | PI            | 0.84            | 0.85               | 0.85               | 0.85               | 0.85               | 0.90               | 0.90               | 0.90               | 0.90               | 0.90               | 0.95               | 0.95               | 0.95               | 0.95               | 0.95               | 1.01               | 1.01               | 1.01               | 1.01               | 1.01               |
|                  | 47°F<br>(8.3°C)    | TC            | 18152           | 18176              | 18196              | 18197              | 18221              | 19246              | 19268              | 19287              | 19291              | 19314              | 20395              | 20422              | 20445              | 20449              | 20471              | 21624              | 21648              | 21671              | 21675              | 21702              |
|                  |                    | S/T           | 0.50            | 0.58               | 0.66               | 0.66               | 0.75               | 0.53               | 0.62               | 0.70               | 0.70               | 0.80               | 0.56               | 0.65               | 0.74               | 0.74               | 0.85               | 0.59               | 0.69               | 0.79               | 0.79               | 0.90               |
|                  |                    | PI            | 0.86            | 0.86               | 0.87               | 0.87               | 0.87               | 0.91               | 0.92               | 0.92               | 0.92               | 0.92               | 0.97               | 0.97               | 0.97               | 0.97               | 0.97               | 1.03               | 1.03               | 1.03               | 1.03               | 1.03               |
|                  | 50°F<br>(10.0°C)   | TC            | 18402           | 18427              | 18447              | 18448              | 18472              | 19511              | 19534              | 19554              | 19557              | 19581              | 20677              | 20704              | 20727              | 20731              | 20754              | 21923              | 21946              | 21970              | 21974              | 22001              |
|                  |                    | S/T           | 0.50            | 0.58               | 0.66               | 0.66               | 0.76               | 0.53               | 0.62               | 0.70               | 0.70               | 0.80               | 0.56               | 0.66               | 0.75               | 0.75               | 0.85               | 0.59               | 0.70               | 0.79               | 0.79               | 0.90               |
|                  |                    | PI            | 0.88            | 0.88               | 0.88               | 0.88               | 0.88               | 0.93               | 0.94               | 0.94               | 0.94               | 0.94               | 0.99               | 0.99               | 0.99               | 0.99               | 0.99               | 1.05               | 1.05               | 1.05               | 1.05               | 1.05               |
|                  | 59°F<br>(15.0°C)   | TC            | 19153           | 19179              | 19200              | 19201              | 19227              | 20308              | 20332              | 20352              | 20356              | 20380              | 21521              | 21549              | 21573              | 21577              | 21601              | 22818              | 22842              | 22867              | 22871              | 22899              |
|                  |                    | S/T           | 0.50            | 0.59               | 0.67               | 0.67               | 0.76               | 0.53               | 0.62               | 0.71               | 0.71               | 0.81               | 0.56               | 0.66               | 0.75               | 0.75               | 0.86               | 0.60               | 0.70               | 0.80               | 0.80               | 0.91               |
|                  |                    | PI            | 0.94            | 0.94               | 0.94               | 0.94               | 0.94               | 0.99               | 1.00               | 1.00               | 1.00               | 1.00               | 1.05               | 1.06               | 1.06               | 1.06               | 1.06               | 1.12               | 1.12               | 1.12               | 1.12               | 1.12               |
|                  | 68°F<br>(20.0°C)   | TC            | 19905           | 19931              | 19953              | 19954              | 19981              | 21104              | 21129              | 21150              | 21154              | 21179              | 22365              | 22394              | 22419              | 22423              | 22448              | 23713              | 23738              | 23764              | 23768              | 23798              |
|                  |                    | S/T           | 0.51            | 0.60               | 0.69               | 0.69               | 0.78               | 0.54               | 0.64               | 0.73               | 0.73               | 0.83               | 0.58               | 0.68               | 0.77               | 0.77               | 0.88               | 0.61               | 0.72               | 0.82               | 0.82               | 0.93               |
|                  |                    | PI            | 0.99            | 1.00               | 1.00               | 1.00               | 1.00               | 1.05               | 1.06               | 1.06               | 1.06               | 1.06               | 1.12               | 1.12               | 1.12               | 1.12               | 1.12               | 1.19               | 1.19               | 1.19               | 1.19               | 1.19               |
|                  | 77°F<br>(25.0°C)   | TC            | 20656           | 20684              | 20706              | 20707              | 20735              | 21901              | 21927              | 21948              | 21953              | 21979              | 23209              | 23239              | 23265              | 23270              | 23296              | 24608              | 24634              | 24661              | 24665              | 24696              |
|                  |                    | S/T           | 0.52            | 0.61               | 0.69               | 0.69               | 0.79               | 0.55               | 0.65               | 0.74               | 0.74               | 0.84               | 0.59               | 0.69               | 0.78               | 0.78               | 0.89               | 0.62               | 0.73               | 0.83               | 0.83               | 0.94               |
|                  |                    | PI            | 1.05            | 1.05               | 1.05               | 1.05               | 1.06               | 1.11               | 1.12               | 1.12               | 1.12               | 1.12               | 1.18               | 1.18               | 1.18               | 1.18               | 1.19               | 1.25               | 1.25               | 1.26               | 1.26               | 1.26               |
|                  | 82°F<br>(27.8°C)   | TC            | 20542           | 20570              | 20592              | 20593              | 20621              | 21780              | 21806              | 21828              | 21832              | 21858              | 23082              | 23112              | 23137              | 23142              | 23168              | 24472              | 24499              | 24526              | 24530              | 24560              |
|                  |                    | S/T           | 0.53            | 0.62               | 0.70               | 0.70               | 0.80               | 0.56               | 0.66               | 0.75               | 0.75               | 0.85               | 0.59               | 0.70               | 0.79               | 0.79               | 0.90               | 0.63               | 0.74               | 0.84               | 0.84               | 0.95               |
|                  |                    | PI            | 1.14            | 1.14               | 1.14               | 1.14               | 1.14               | 1.21               | 1.21               | 1.21               | 1.21               | 1.21               | 1.28               | 1.28               | 1.28               | 1.28               | 1.29               | 1.36               | 1.36               | 1.36               | 1.36               | 1.36               |
|                  | 86°F<br>(30.0°C)   | TC            | 19782           | 19808              | 19830              | 19831              | 19857              | 20974              | 20999              | 21019              | 21024              | 21049              | 22227              | 22256              | 22281              | 22285              | 22310              | 23566              | 23592              | 23617              | 23621              | 23650              |
|                  |                    | S/T           | 0.53            | 0.63               | 0.71               | 0.71               | 0.81               | 0.57               | 0.66               | 0.75               | 0.75               | 0.86               | 0.60               | 0.70               | 0.80               | 0.80               | 0.91               | 0.64               | 0.75               | 0.85               | 0.85               | 0.97               |
|                  |                    | PI            | 1.28            | 1.28               | 1.29               | 1.29               | 1.29               | 1.36               | 1.36               | 1.36               | 1.36               | 1.37               | 1.44               | 1.44               | 1.44               | 1.45               | 1.45               | 1.53               | 1.53               | 1.53               |                    |                    |

**Table 30 — Air Handler Heating Performance (18K)**

HEATING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 18 (Sheet 1 of 2)

| AIRFLOW<br>(CFM) | OUTDOOR<br>DB (°F) | TC: Total Heating Capacity (BTU/hr) |                  |                  |                    |                    | PI: Power Input (kW)      |                  |                  |                    |                    |
|------------------|--------------------|-------------------------------------|------------------|------------------|--------------------|--------------------|---------------------------|------------------|------------------|--------------------|--------------------|
|                  |                    | Indoor Conditions (DB °F)           |                  |                  |                    |                    | Indoor Conditions (DB °F) |                  |                  |                    |                    |
|                  |                    | 60.8°F<br>(16.0°C)                  | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) | 60.8°F<br>(16.0°C)        | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) |
| 490              | -22°F(-30.0°C)     | 8726                                | 8551             | 8508             | 8409               | 8334               | 1.79                      | 1.81             | 1.81             | 1.81               | 1.82               |
|                  | -13°F(-25.0°C)     | 11300                               | 11074            | 11019            | 10472              | 10378              | 1.94                      | 1.96             | 1.96             | 1.96               | 1.97               |
|                  | -4°F(-20.0°C)      | 14205                               | 13921            | 13851            | 13164              | 13045              | 2.14                      | 2.15             | 2.16             | 2.16               | 2.17               |
|                  | 0°F(-17.8°C)       | 15511                               | 15201            | 15125            | 14374              | 14245              | 2.24                      | 2.26             | 2.26             | 2.27               | 2.28               |
|                  | 5°F(-15.0°C)       | 17144                               | 16802            | 16718            | 15887              | 15744              | 2.38                      | 2.39             | 2.40             | 2.40               | 2.41               |
|                  | 14°F(-10.0°C)      | 17637                               | 17285            | 17198            | 16344              | 16197              | 2.34                      | 2.36             | 2.36             | 2.37               | 2.38               |
|                  | 17°F(-8.3°C)       | 17802                               | 17446            | 17359            | 16497              | 16348              | 2.33                      | 2.34             | 2.35             | 2.35               | 2.36               |
|                  | 22°F(-5.6°C)       | 18035                               | 17674            | 17586            | 16713              | 16562              | 2.21                      | 2.23             | 2.23             | 2.24               | 2.25               |
|                  | 27°F(-2.8°C)       | 18268                               | 17902            | 17813            | 16929              | 16776              | 2.10                      | 2.11             | 2.12             | 2.12               | 2.13               |
|                  | 32°F(-0.0°C)       | 18501                               | 18131            | 18040            | 17144              | 16990              | 1.98                      | 2.00             | 2.00             | 2.01               | 2.02               |
|                  | 35°F(1.7°C)        | 18641                               | 18268            | 18177            | 17274              | 17119              | 1.92                      | 1.93             | 1.93             | 1.94               | 1.95               |
|                  | 37°F(2.8°C)        | 18876                               | 18498            | 18406            | 17492              | 17335              | 1.88                      | 1.89             | 1.90             | 1.90               | 1.91               |
|                  | 42°F(5.6°C)        | 19464                               | 19075            | 18980            | 18037              | 17875              | 1.79                      | 1.80             | 1.80             | 1.81               | 1.82               |
|                  | 44.6°F(7.0°C)      | 19700                               | 19306            | 19209            | 18255              | 18091              | 1.75                      | 1.76             | 1.77             | 1.77               | 1.78               |
|                  | 47°F(8.3°C)        | 20052                               | 19651            | 19553            | 18582              | 18415              | 1.69                      | 1.71             | 1.71             | 1.72               | 1.72               |
|                  | 52°F(11.1°C)       | 19375                               | 18987            | 18892            | 17954              | 17793              | 1.63                      | 1.64             | 1.65             | 1.65               | 1.66               |
|                  | 57°F(13.9°C)       | 18697                               | 18323            | 18232            | 17326              | 17170              | 1.57                      | 1.58             | 1.58             | 1.59               | 1.59               |
|                  | 59°F(15.0°C)       | 18426                               | 18058            | 17967            | 17075              | 16922              | 1.54                      | 1.56             | 1.56             | 1.56               | 1.57               |
|                  | 62°F(16.7°C)       | 18020                               | 17659            | 17571            | 16698              | 16548              | 1.50                      | 1.52             | 1.52             | 1.52               | 1.53               |
|                  | 64.4°F(18.0°C)     | 17749                               | 17394            | 17307            | 16447              | 16299              | 1.48                      | 1.49             | 1.49             | 1.50               | 1.50               |
| 530              | -22°F(-30.0°C)     | 9235                                | 9050             | 9005             | 8935               | 8854               | 1.81                      | 1.82             | 1.83             | 1.83               | 1.84               |
|                  | -13°F(-25.0°C)     | 11728                               | 11493            | 11436            | 11126              | 11026              | 1.96                      | 1.98             | 1.98             | 1.98               | 1.99               |
|                  | -4°F(-20.0°C)      | 14743                               | 14448            | 14375            | 13986              | 13860              | 2.16                      | 2.17             | 2.18             | 2.18               | 2.19               |
|                  | 0°F(-17.8°C)       | 16098                               | 15776            | 15697            | 15272              | 15135              | 2.26                      | 2.28             | 2.29             | 2.29               | 2.30               |
|                  | 5°F(-15.0°C)       | 17793                               | 17437            | 17350            | 16880              | 16728              | 2.40                      | 2.42             | 2.42             | 2.43               | 2.44               |
|                  | 14°F(-10.0°C)      | 18305                               | 17939            | 17849            | 17365              | 17209              | 2.36                      | 2.38             | 2.39             | 2.39               | 2.40               |
|                  | 17°F(-8.3°C)       | 18475                               | 18106            | 18015            | 17527              | 17369              | 2.35                      | 2.37             | 2.37             | 2.38               | 2.39               |
|                  | 22°F(-5.6°C)       | 18717                               | 18343            | 18251            | 17757              | 17597              | 2.23                      | 2.25             | 2.26             | 2.26               | 2.27               |
|                  | 27°F(-2.8°C)       | 18959                               | 18580            | 18487            | 17986              | 17824              | 2.12                      | 2.14             | 2.14             | 2.14               | 2.15               |
|                  | 32°F(-0.0°C)       | 19201                               | 18817            | 18723            | 18215              | 18051              | 2.00                      | 2.02             | 2.02             | 2.03               | 2.04               |
|                  | 35°F(1.7°C)        | 19346                               | 18959            | 18864            | 18353              | 18188              | 1.93                      | 1.95             | 1.95             | 1.96               | 1.97               |
|                  | 37°F(2.8°C)        | 19590                               | 19198            | 19102            | 18585              | 18417              | 1.90                      | 1.91             | 1.92             | 1.92               | 1.93               |
|                  | 42°F(5.6°C)        | 20201                               | 19797            | 19698            | 19164              | 18991              | 1.80                      | 1.82             | 1.82             | 1.83               | 1.83               |
|                  | 44.6°F(7.0°C)      | 20445                               | 20036            | 19936            | 19396              | 19221              | 1.77                      | 1.78             | 1.79             | 1.79               | 1.80               |
|                  | 47°F(8.3°C)        | 20811                               | 20395            | 20293            | 19743              | 19565              | 1.71                      | 1.73             | 1.73             | 1.73               | 1.74               |
|                  | 52°F(11.1°C)       | 20108                               | 19706            | 19607            | 19076              | 18904              | 1.65                      | 1.66             | 1.66             | 1.67               | 1.67               |
|                  | 57°F(13.9°C)       | 19405                               | 19016            | 18921            | 18409              | 18243              | 1.58                      | 1.60             | 1.60             | 1.60               | 1.61               |
|                  | 59°F(15.0°C)       | 19123                               | 18741            | 18647            | 18142              | 17979              | 1.56                      | 1.57             | 1.57             | 1.58               | 1.58               |
|                  | 62°F(16.7°C)       | 18701                               | 18327            | 18236            | 17742              | 17582              | 1.52                      | 1.53             | 1.54             | 1.54               | 1.54               |
|                  | 64.4°F(18.0°C)     | 18420                               | 18052            | 17961            | 17475              | 17317              | 1.49                      | 1.51             | 1.51             | 1.51               | 1.52               |

## HEATING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 18 (Sheet 2 of 2)

| AIRFLOW<br>(CFM) | OUTDOOR<br>DB (°F) | TC: Total Heating Capacity (BTU/hr) |                  |                  |                    |                    | PI: Power Input (kW)      |                  |                  |                    |                    |
|------------------|--------------------|-------------------------------------|------------------|------------------|--------------------|--------------------|---------------------------|------------------|------------------|--------------------|--------------------|
|                  |                    | Indoor Conditions (DB °F)           |                  |                  |                    |                    | Indoor Conditions (DB °F) |                  |                  |                    |                    |
|                  |                    | 60.8°F<br>(16.0°C)                  | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) | 60.8°F<br>(16.0°C)        | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) |
| 580              | -22°F(-30.0°C)     | 9774                                | 9579             | 9531             | 9493               | 9407               | 1.83                      | 1.84             | 1.85             | 1.85               | 1.86               |
|                  | -13°F(-25.0°C)     | 12171                               | 11928            | 11868            | 11821              | 11714              | 1.98                      | 2.00             | 2.00             | 2.00               | 2.01               |
|                  | -4°F(-20.0°C)      | 15300                               | 14994            | 14919            | 14860              | 14726              | 2.18                      | 2.20             | 2.20             | 2.21               | 2.21               |
|                  | 0°F(-17.8°C)       | 16707                               | 16373            | 16291            | 16226              | 16080              | 2.29                      | 2.31             | 2.31             | 2.32               | 2.32               |
|                  | 5°F(-15.0°C)       | 18466                               | 18097            | 18006            | 17934              | 17773              | 2.42                      | 2.44             | 2.45             | 2.45               | 2.46               |
|                  | 14°F(-10.0°C)      | 18997                               | 18617            | 18524            | 18450              | 18284              | 2.39                      | 2.40             | 2.41             | 2.41               | 2.42               |
|                  | 17°F(-8.3°C)       | 19174                               | 18791            | 18697            | 18622              | 18454              | 2.37                      | 2.39             | 2.40             | 2.40               | 2.41               |
|                  | 22°F(-5.6°C)       | 19425                               | 19037            | 18941            | 18866              | 18696              | 2.26                      | 2.27             | 2.28             | 2.28               | 2.29               |
|                  | 27°F(-2.8°C)       | 19676                               | 19283            | 19186            | 19109              | 18937              | 2.14                      | 2.16             | 2.16             | 2.17               | 2.17               |
|                  | 32°F(0.0°C)        | 19927                               | 19529            | 19431            | 19353              | 19179              | 2.02                      | 2.04             | 2.04             | 2.05               | 2.06               |
|                  | 35°F(1.7°C)        | 20078                               | 19676            | 19578            | 19500              | 19324              | 1.95                      | 1.97             | 1.97             | 1.98               | 1.99               |
|                  | 37°F(2.8°C)        | 20331                               | 19925            | 19825            | 19746              | 19568              | 1.92                      | 1.93             | 1.94             | 1.94               | 1.95               |
|                  | 42°F(5.6°C)        | 20965                               | 20545            | 20443            | 20361              | 20178              | 1.82                      | 1.84             | 1.84             | 1.84               | 1.85               |
|                  | 44.6°F(7.0°C)      | 21218                               | 20794            | 20690            | 20607              | 20422              | 1.79                      | 1.80             | 1.80             | 1.81               | 1.81               |
|                  | 47°F(8.3°C)        | 21598                               | 21166            | 21061            | 20976              | 20788              | 1.73                      | 1.74             | 1.75             | 1.75               | 1.76               |
|                  | 52°F(11.1°C)       | 20868                               | 20451            | 20349            | 20267              | 20085              | 1.66                      | 1.68             | 1.68             | 1.68               | 1.69               |
|                  | 57°F(13.9°C)       | 20139                               | 19736            | 19637            | 19559              | 19383              | 1.60                      | 1.61             | 1.62             | 1.62               | 1.63               |
|                  | 59°F(15.0°C)       | 19847                               | 19450            | 19353            | 19275              | 19102              | 1.57                      | 1.59             | 1.59             | 1.59               | 1.60               |
|                  | 62°F(16.7°C)       | 19409                               | 19021            | 18926            | 18850              | 18680              | 1.54                      | 1.55             | 1.55             | 1.55               | 1.56               |
|                  | 64.4°F(18.0°C)     | 19117                               | 18735            | 18641            | 18566              | 18399              | 1.51                      | 1.52             | 1.52             | 1.53               | 1.53               |
| 620              | -22°F(-30.0°C)     | 10144                               | 9941             | 9891             | 9852               | 9763               | 1.85                      | 1.86             | 1.87             | 1.87               | 1.88               |
|                  | -13°F(-25.0°C)     | 12632                               | 12379            | 12317            | 12268              | 12158              | 2.00                      | 2.02             | 2.02             | 2.03               | 2.03               |
|                  | -4°F(-20.0°C)      | 15879                               | 15561            | 15484            | 15422              | 15283              | 2.20                      | 2.22             | 2.22             | 2.23               | 2.24               |
|                  | 0°F(-17.8°C)       | 17339                               | 16993            | 16908            | 16840              | 16688              | 2.31                      | 2.33             | 2.33             | 2.34               | 2.35               |
|                  | 5°F(-15.0°C)       | 19165                               | 18781            | 18688            | 18613              | 18445              | 2.45                      | 2.47             | 2.47             | 2.48               | 2.49               |
|                  | 14°F(-10.0°C)      | 19716                               | 19322            | 19225            | 19148              | 18976              | 2.41                      | 2.43             | 2.43             | 2.44               | 2.45               |
|                  | 17°F(-8.3°C)       | 19900                               | 19502            | 19404            | 19326              | 19152              | 2.40                      | 2.42             | 2.42             | 2.43               | 2.44               |
|                  | 22°F(-5.6°C)       | 20160                               | 19757            | 19658            | 19579              | 19403              | 2.28                      | 2.30             | 2.30             | 2.31               | 2.32               |
|                  | 27°F(-2.8°C)       | 20421                               | 20012            | 19912            | 19832              | 19654              | 2.16                      | 2.18             | 2.18             | 2.19               | 2.20               |
|                  | 32°F(0.0°C)        | 20681                               | 20267            | 20166            | 20085              | 19905              | 2.04                      | 2.06             | 2.07             | 2.07               | 2.08               |
|                  | 35°F(1.7°C)        | 20837                               | 20421            | 20318            | 20237              | 20055              | 1.97                      | 1.99             | 1.99             | 2.00               | 2.01               |
|                  | 37°F(2.8°C)        | 21100                               | 20678            | 20575            | 20493              | 20308              | 1.94                      | 1.95             | 1.96             | 1.96               | 1.97               |
|                  | 42°F(5.6°C)        | 21758                               | 21323            | 21216            | 21131              | 20941              | 1.84                      | 1.86             | 1.86             | 1.86               | 1.87               |
|                  | 44.6°F(7.0°C)      | 22021                               | 21580            | 21473            | 21387              | 21194              | 1.80                      | 1.82             | 1.82             | 1.83               | 1.83               |
|                  | 47°F(8.3°C)        | 22415                               | 21967            | 21857            | 21770              | 21574              | 1.75                      | 1.76             | 1.76             | 1.77               | 1.77               |
|                  | 52°F(11.1°C)       | 21658                               | 21225            | 21119            | 21034              | 20845              | 1.68                      | 1.69             | 1.70             | 1.70               | 1.71               |
|                  | 57°F(13.9°C)       | 20900                               | 20482            | 20380            | 20299              | 20116              | 1.62                      | 1.63             | 1.63             | 1.64               | 1.64               |
|                  | 59°F(15.0°C)       | 20598                               | 20186            | 20085            | 20004              | 19824              | 1.59                      | 1.60             | 1.61             | 1.61               | 1.62               |
|                  | 62°F(16.7°C)       | 20143                               | 19740            | 19641            | 19563              | 19387              | 1.55                      | 1.56             | 1.57             | 1.57               | 1.58               |
|                  | 64.4°F(18.0°C)     | 19840                               | 19443            | 19346            | 19269              | 19095              | 1.52                      | 1.54             | 1.54             | 1.54               | 1.55               |

**NOTE: Values in grey are extrapolated based on tested performance.**

**Table 31 — Air Handler Cooling Performance (24K)**

COOLING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 24 (Sheet 1 of 4)

| AIRFLOW<br>(CFM) | OUTDOOR<br>DB(°F)  | ID        | 60.8°F(16.0°C)     |                    |                    |                    |                    | 64.4°F(18.0°C)     |                    |                    |                    |                    | 67°F(19.4°C)       |                    |                    |                    |                    | 71.6°F(22.0°C)     |                    |                    |                    |                    |
|------------------|--------------------|-----------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                  |                    | ID WB(°F) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) |
| 629              | -22°F<br>(-30.0°C) | TC        | 14892              | 14912              | 14928              | 14928              | 14948              | 15789              | 15808              | 15823              | 15826              | 15845              | 16732              | 16754              | 16773              | 16776              | 16795              | 17740              | 17760              | 17779              | 17782              | 17804              |
|                  |                    | S/T       | 0.41               | 0.48               | 0.54               | 0.54               | 0.62               | 0.43               | 0.51               | 0.58               | 0.58               | 0.66               | 0.46               | 0.54               | 0.61               | 0.61               | 0.70               | 0.48               | 0.57               | 0.65               | 0.65               | 0.74               |
|                  |                    | PI        | 0.96               | 0.96               | 0.96               | 0.96               | 0.96               | 1.01               | 1.02               | 1.02               | 1.02               | 1.02               | 1.07               | 1.08               | 1.08               | 1.08               | 1.08               | 1.14               | 1.14               | 1.14               | 1.14               | 1.14               |
|                  | -13°F<br>(-25.0°C) | TC        | 16133              | 16154              | 16172              | 16172              | 16194              | 17105              | 17125              | 17142              | 17145              | 17166              | 18127              | 18150              | 18170              | 18174              | 18194              | 19219              | 19240              | 19261              | 19264              | 19288              |
|                  |                    | S/T       | 0.41               | 0.48               | 0.55               | 0.55               | 0.62               | 0.43               | 0.51               | 0.58               | 0.58               | 0.66               | 0.46               | 0.54               | 0.61               | 0.61               | 0.70               | 0.49               | 0.57               | 0.65               | 0.65               | 0.74               |
|                  |                    | PI        | 1.04               | 1.04               | 1.04               | 1.04               | 1.04               | 1.10               | 1.10               | 1.10               | 1.10               | 1.10               | 1.16               | 1.17               | 1.17               | 1.17               | 1.17               | 1.23               | 1.24               | 1.24               | 1.24               | 1.24               |
|                  | -4°F<br>(-20.0°C)  | TC        | 17374              | 17397              | 17416              | 17416              | 17440              | 18421              | 18442              | 18461              | 18464              | 18486              | 19521              | 19546              | 19568              | 19572              | 19594              | 20697              | 20720              | 20742              | 20746              | 20771              |
|                  |                    | S/T       | 0.41               | 0.48               | 0.55               | 0.55               | 0.63               | 0.44               | 0.51               | 0.58               | 0.58               | 0.66               | 0.46               | 0.54               | 0.62               | 0.62               | 0.70               | 0.49               | 0.58               | 0.65               | 0.65               | 0.75               |
|                  |                    | PI        | 1.12               | 1.12               | 1.12               | 1.12               | 1.12               | 1.18               | 1.18               | 1.19               | 1.19               | 1.19               | 1.25               | 1.26               | 1.26               | 1.26               | 1.26               | 1.33               | 1.33               | 1.33               | 1.33               | 1.33               |
|                  | 0°F<br>(-17.8°C)   | TC        | 17925              | 17949              | 17968              | 17969              | 17994              | 19005              | 19028              | 19047              | 19050              | 19073              | 20141              | 20167              | 20189              | 20193              | 20216              | 21354              | 21377              | 21401              | 21404              | 21431              |
|                  |                    | S/T       | 0.41               | 0.48               | 0.55               | 0.55               | 0.63               | 0.44               | 0.51               | 0.58               | 0.58               | 0.67               | 0.46               | 0.54               | 0.62               | 0.62               | 0.71               | 0.49               | 0.58               | 0.66               | 0.66               | 0.75               |
|                  |                    | PI        | 1.15               | 1.15               | 1.15               | 1.15               | 1.16               | 1.22               | 1.22               | 1.22               | 1.22               | 1.22               | 1.29               | 1.30               | 1.30               | 1.30               | 1.30               | 1.37               | 1.37               | 1.37               | 1.37               | 1.38               |
|                  | 5°F<br>(-15.0°C)   | TC        | 18614              | 18640              | 18660              | 18660              | 18686              | 19736              | 19760              | 19779              | 19783              | 19807              | 20915              | 20943              | 20966              | 20970              | 20993              | 22176              | 22200              | 22224              | 22227              | 22255              |
|                  |                    | S/T       | 0.42               | 0.49               | 0.55               | 0.55               | 0.63               | 0.44               | 0.52               | 0.59               | 0.59               | 0.67               | 0.47               | 0.55               | 0.62               | 0.62               | 0.71               | 0.49               | 0.58               | 0.66               | 0.66               | 0.75               |
|                  |                    | PI        | 1.20               | 1.20               | 1.20               | 1.20               | 1.20               | 1.27               | 1.27               | 1.27               | 1.27               | 1.27               | 1.34               | 1.34               | 1.35               | 1.35               | 1.35               | 1.42               | 1.43               | 1.43               | 1.43               | 1.43               |
|                  | 14°F<br>(-10.0°C)  | TC        | 18374              | 18398              | 18418              | 18419              | 18444              | 19481              | 19504              | 19523              | 19527              | 19550              | 20645              | 20672              | 20695              | 20698              | 20722              | 21889              | 21912              | 21936              | 21940              | 21967              |
|                  |                    | S/T       | 0.42               | 0.49               | 0.55               | 0.55               | 0.63               | 0.44               | 0.52               | 0.59               | 0.59               | 0.67               | 0.47               | 0.55               | 0.62               | 0.62               | 0.71               | 0.50               | 0.58               | 0.66               | 0.66               | 0.75               |
|                  |                    | PI        | 1.19               | 1.19               | 1.19               | 1.19               | 1.19               | 1.26               | 1.26               | 1.26               | 1.26               | 1.26               | 1.33               | 1.34               | 1.34               | 1.34               | 1.34               | 1.42               | 1.42               | 1.42               | 1.42               | 1.42               |
|                  | 17°F<br>(-8.3°C)   | TC        | 18293              | 18318              | 18338              | 18339              | 18363              | 19396              | 19419              | 19438              | 19442              | 19465              | 20555              | 20581              | 20604              | 20608              | 20631              | 21793              | 21817              | 21840              | 21844              | 21871              |
|                  |                    | S/T       | 0.42               | 0.49               | 0.56               | 0.56               | 0.63               | 0.44               | 0.52               | 0.59               | 0.59               | 0.67               | 0.47               | 0.55               | 0.63               | 0.63               | 0.71               | 0.50               | 0.58               | 0.66               | 0.66               | 0.76               |
|                  |                    | PI        | 1.19               | 1.19               | 1.19               | 1.19               | 1.19               | 1.26               | 1.26               | 1.26               | 1.26               | 1.26               | 1.33               | 1.33               | 1.34               | 1.34               | 1.34               | 1.41               | 1.41               | 1.41               | 1.42               | 1.42               |
|                  | 23°F<br>(-5.0°C)   | TC        | 19358              | 19384              | 19405              | 19405              | 19432              | 20524              | 20549              | 20569              | 20573              | 20597              | 21751              | 21779              | 21803              | 21807              | 21831              | 23061              | 23086              | 23111              | 23115              | 23144              |
|                  |                    | S/T       | 0.42               | 0.49               | 0.56               | 0.56               | 0.64               | 0.44               | 0.52               | 0.59               | 0.59               | 0.68               | 0.47               | 0.55               | 0.63               | 0.63               | 0.72               | 0.50               | 0.59               | 0.67               | 0.67               | 0.76               |
|                  |                    | PI        | 1.05               | 1.05               | 1.05               | 1.05               | 1.06               | 1.12               | 1.12               | 1.12               | 1.12               | 1.12               | 1.18               | 1.18               | 1.18               | 1.18               | 1.19               | 1.25               | 1.25               | 1.26               | 1.26               | 1.26               |
|                  | 35°F<br>(1.7°C)    | TC        | 21486              | 21515              | 21538              | 21539              | 21568              | 22781              | 22808              | 22831              | 22835              | 22862              | 24142              | 24174              | 24201              | 24205              | 24232              | 25597              | 25625              | 25653              | 25657              | 25689              |
|                  |                    | S/T       | 0.42               | 0.49               | 0.56               | 0.56               | 0.64               | 0.45               | 0.52               | 0.60               | 0.60               | 0.68               | 0.47               | 0.56               | 0.63               | 0.63               | 0.72               | 0.50               | 0.59               | 0.67               | 0.67               | 0.76               |
|                  |                    | PI        | 0.78               | 0.79               | 0.79               | 0.79               | 0.79               | 0.83               | 0.83               | 0.83               | 0.83               | 0.83               | 0.88               | 0.88               | 0.88               | 0.88               | 0.88               | 0.93               | 0.94               | 0.94               | 0.94               | 0.94               |
|                  | 41°F<br>(5.0°C)    | TC        | 23196              | 23227              | 23252              | 23253              | 23284              | 24593              | 24623              | 24647              | 24652              | 24681              | 26063              | 26097              | 26126              | 26131              | 26160              | 27633              | 27663              | 27693              | 27698              | 27732              |
|                  |                    | S/T       | 0.42               | 0.50               | 0.56               | 0.56               | 0.64               | 0.45               | 0.53               | 0.60               | 0.60               | 0.68               | 0.47               | 0.56               | 0.63               | 0.63               | 0.72               | 0.50               | 0.59               | 0.67               | 0.67               | 0.76               |
|                  |                    | PI        | 1.08               | 1.08               | 1.09               | 1.09               | 1.09               | 1.15               | 1.15               | 1.15               | 1.15               | 1.15               | 1.22               | 1.22               | 1.22               | 1.22               | 1.22               | 1.29               | 1.29               | 1.29               | 1.29               | 1.29               |
|                  | 47°F<br>(8.3°C)    | TC        | 24905              | 24938              | 24965              | 24966              | 25000              | 26406              | 26437              | 26463              | 26468              | 26500              | 27983              | 28020              | 28051              | 28056              | 28087              | 29669              | 29702              | 29734              | 29738              | 29776              |
|                  |                    | S/T       | 0.42               | 0.50               | 0.56               | 0.56               | 0.64               | 0.45               | 0.53               | 0.60               | 0.60               | 0.68               | 0.48               | 0.56               | 0.63               | 0.63               | 0.72               | 0.50               | 0.59               | 0.67               | 0.67               | 0.77               |
|                  |                    | PI        | 1.38               | 1.38               | 1.38               | 1.38               | 1.39               | 1.46               | 1.47               | 1.47               | 1.47               | 1.47               | 1.55               | 1.55               | 1.56               | 1.56               | 1.56               | 1.65               | 1.65               | 1.65               | 1.65               | 1.65               |
|                  | 50°F<br>(10.0°C)   | TC        | 24829              | 24863              | 24890              | 24891              | 24924              | 26326              | 26357              | 26383              | 26388              | 26419              | 27898              | 27935              | 27966              | 27971              | 28002              | 29579              | 29612              | 29644              | 29648              | 29685              |
|                  |                    | S/T       | 0.43               | 0.50               | 0.57               | 0.57               | 0.65               | 0.45               | 0.53               | 0.60               | 0.60               | 0.69               | 0.48               | 0.56               | 0.64               | 0.64               | 0.73               | 0.51               | 0.60               | 0.68               | 0.68               | 0.77               |
|                  |                    | PI        | 1.40               | 1.40               | 1.40               | 1.40               | 1.41               | 1.48               | 1.49               | 1.49               | 1.49               | 1.49               | 1.57               | 1.58               | 1.58               | 1.58               | 1.58               | 1.67               | 1.67               | 1.67               | 1.67               | 1.67               |
|                  | 59°F<br>(15.0°C)   | TC        | 24603              | 24636              | 24663              | 24664              | 24697              | 26086              | 26117              | 26142              | 26148              | 26179              | 27644              | 27680              | 27711              | 27716              | 27747              | 29310              | 29342              | 29374              | 29378              | 29415              |
|                  |                    | S/T       | 0.43               | 0.50               | 0.57               | 0.57               | 0.65               | 0.45               | 0.53               | 0.60               | 0.60               | 0.69               | 0.48               | 0.56               | 0.64               | 0.64               | 0.73               | 0.51               | 0.60               | 0.68               | 0.68               | 0.77               |
|                  |                    | PI        | 1.46               | 1.46               | 1.46               | 1.46               | 1.46               | 1.55               | 1.55               | 1.55               | 1.55               | 1.55               | 1.64               | 1.64               | 1.64               | 1.64               | 1.64               | 1.74               | 1.74               | 1.74               | 1.74               | 1.74               |
|                  | 68°F<br>(20.0°C)   | TC        | 24377              | 24410              | 24436              | 24437              | 24470              | 25846              | 25876              | 25902              | 25907              | 25938              | 27390              | 27425              | 27456              | 27461              | 27492              | 29040              | 29072              | 29103              | 29108              | 29144              |
|                  |                    | S/T       | 0.44               | 0.52               | 0.59               | 0.59               | 0.67               | 0.47               | 0.55               | 0.62               | 0.62               | 0.71               | 0.49               | 0.58               | 0.66               | 0.66               | 0.75               | 0.52               | 0.61               | 0.70               | 0.70               | 0.80               |
|                  |                    | PI        | 1.51               | 1.52               | 1.52               | 1.52               | 1.52               | 1.61               | 1.61               | 1.61               | 1.61               | 1.61               | 1.70               | 1.70               | 1.71               | 1.71               | 1.71               | 1.80               | 1.81               | 1.81               | 1.81               | 1.81               |
|                  | 77°F<br>(25.0°C)   | TC        | 24150              | 24183              | 24209              | 24210              | 24243              | 25606              | 25636              | 25661              | 25667              | 25697              | 27136              | 27171              | 27201              | 27206              | 27237              | 28771              | 28802              | 28833              | 28838              | 28874              |
|                  |                    | S/T       | 0.45               | 0.52               | 0.59               | 0.59               | 0.68               | 0.47               | 0.55               | 0.63               | 0.63               | 0.72               | 0.50               | 0.59               | 0.67               | 0.67               | 0.76               | 0.53               | 0.62               | 0.71               | 0.71               | 0.81               |
|                  |                    | PI        | 1.57               | 1.57               | 1.58               | 1.58               | 1.58               | 1.67               | 1.67               | 1.67               | 1.67               | 1.67               | 1.77               | 1.77               | 1.77               | 1.77               | 1.77               | 1.87               | 1.87               | 1.88               | 1.88               | 1.88               |
|                  | 82°F<br>(27.8°C)   | TC        | 23621              | 23652              | 23678              | 23679              | 23711              | 25044              | 25074              | 25098              | 25103              | 25133              | 26540              | 26575              | 26604              | 26609              | 26639              | 28139              | 28170              | 28201              | 28205              | 28240              |
|                  |                    | S/T       | 0.45               | 0.53               | 0.60               | 0.60               | 0.69               | 0.48               | 0.56               | 0.64               | 0.64               | 0.73               | 0.51               | 0.59               | 0.68               | 0.68               | 0.77               | 0.54               | 0.63               | 0.72               | 0.72               | 0.82               |
|                  |                    | PI        | 1.63               | 1.63               | 1.63               | 1.63               | 1.63               | 1.72               | 1.73               | 1.73               | 1.73               | 1.73               | 1.83               | 1.83               | 1.83               | 1.83               | 1.83               | 1.94               | 1.94               | 1.94               | 1.94               | 1.94               |
|                  | 86°F<br>(30.0°C)   | TC        | 22687              | 22717              | 22742              | 22743              | 22773              | 24054              | 24082              | 24106              | 24111              | 24139              | 25491              | 25524              | 25552              | 25557              | 25586              | 27027              | 27056              | 27086              | 27090              | 27124              |
|                  |                    | S/T       | 0.46               | 0.54               | 0.61               | 0.61               | 0.69               | 0.48               | 0.57               | 0.65               | 0.65               | 0.74               | 0.51               | 0.60               | 0.68               | 0.68               | 0.78               | 0.54               | 0.64               | 0.72               | 0.72               | 0.83               |
|                  |                    | PI        | 1.70               | 1.70               | 1.70               | 1.70               | 1.71               | 1.80               | 1.80               | 1.81               | 1.81               | 1.81               | 1.91               | 1.91               | 1.91               | 1.91               | 1.91               | 1.92               | 2.02               | 2.03               | 2.03               | 2.03               |
|                  | 95°F<br>(35.       |           |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |

COOLING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 24 (Sheet 2 of 4)

| AIRFLOW<br>(CFM) | OUTDOOR<br>DB(°F)  | ID<br>WB(°F)<br>ID DB(°F) | 60.8°F(16.0°C)     |                    |                    |                    |                    | 64.4°F(18.0°C)     |                    |                    |                    |                    | 67°F(19.4°C)       |                    |                    |                    |                    | 71.6°F(22.0°C)     |                    |                    |                    |                    |
|------------------|--------------------|---------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                  |                    |                           | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) |
|                  |                    |                           | TC                 | S/T                | PI                 | TC                 | S/T                | PI                 | TC                 | S/T                | PI                 | TC                 | S/T                | PI                 | TC                 | S/T                | PI                 | TC                 | S/T                | PI                 | TC                 | S/T                |
| 694              | -22°F<br>(-30.0°C) | TC                        | 15691              | 15712              | 15729              | 15729              | 15751              | 16636              | 16656              | 16672              | 16676              | 16696              | 17630              | 17653              | 17673              | 17676              | 17696              | 18692              | 18713              | 18733              | 18736              | 18759              |
|                  |                    | S/T                       | 0.43               | 0.50               | 0.57               | 0.57               | 0.65               | 0.45               | 0.53               | 0.61               | 0.61               | 0.69               | 0.48               | 0.57               | 0.64               | 0.64               | 0.73               | 0.51               | 0.60               | 0.68               | 0.68               | 0.78               |
|                  |                    | PI                        | 1.01               | 1.01               | 1.01               | 1.01               | 1.01               | 1.07               | 1.07               | 1.07               | 1.07               | 1.07               | 1.13               | 1.13               | 1.13               | 1.14               | 1.14               | 1.20               | 1.20               | 1.20               | 1.20               | 1.20               |
|                  | -13°F<br>(-25.0°C) | TC                        | 16998              | 17021              | 17039              | 17040              | 17063              | 18023              | 18044              | 18062              | 18065              | 18087              | 19099              | 19124              | 19146              | 19149              | 19170              | 20250              | 20272              | 20294              | 20297              | 20323              |
|                  |                    | S/T                       | 0.43               | 0.51               | 0.58               | 0.58               | 0.66               | 0.46               | 0.54               | 0.61               | 0.61               | 0.70               | 0.49               | 0.57               | 0.65               | 0.65               | 0.74               | 0.51               | 0.60               | 0.69               | 0.69               | 0.78               |
|                  |                    | PI                        | 1.09               | 1.09               | 1.09               | 1.09               | 1.10               | 1.16               | 1.16               | 1.16               | 1.16               | 1.16               | 1.23               | 1.23               | 1.23               | 1.23               | 1.23               | 1.30               | 1.30               | 1.30               | 1.30               | 1.31               |
|                  | -4°F<br>(-20.0°C)  | TC                        | 18306              | 18330              | 18350              | 18351              | 18376              | 19409              | 19432              | 19451              | 19455              | 19478              | 20569              | 20595              | 20618              | 20622              | 20645              | 21808              | 21832              | 21855              | 21859              | 21886              |
|                  |                    | S/T                       | 0.43               | 0.51               | 0.58               | 0.58               | 0.66               | 0.46               | 0.54               | 0.61               | 0.61               | 0.70               | 0.49               | 0.57               | 0.65               | 0.65               | 0.74               | 0.52               | 0.61               | 0.69               | 0.69               | 0.79               |
|                  |                    | PI                        | 1.18               | 1.18               | 1.18               | 1.18               | 1.18               | 1.25               | 1.25               | 1.25               | 1.25               | 1.25               | 1.32               | 1.32               | 1.32               | 1.32               | 1.33               | 1.40               | 1.40               | 1.40               | 1.40               | 1.41               |
|                  | 0°F<br>(-17.8°C)   | TC                        | 18887              | 18912              | 18933              | 18934              | 18959              | 20025              | 20049              | 20069              | 20073              | 20096              | 21222              | 21249              | 21273              | 21277              | 21300              | 22500              | 22525              | 22549              | 22553              | 22581              |
|                  |                    | S/T                       | 0.44               | 0.51               | 0.58               | 0.58               | 0.66               | 0.46               | 0.54               | 0.62               | 0.62               | 0.70               | 0.49               | 0.57               | 0.65               | 0.65               | 0.74               | 0.52               | 0.61               | 0.69               | 0.69               | 0.79               |
|                  |                    | PI                        | 1.21               | 1.21               | 1.22               | 1.22               | 1.22               | 1.29               | 1.29               | 1.29               | 1.29               | 1.29               | 1.36               | 1.36               | 1.37               | 1.37               | 1.37               | 1.44               | 1.45               | 1.45               | 1.45               | 1.45               |
|                  | 5°F<br>(-15.0°C)   | TC                        | 19613              | 19640              | 19661              | 19662              | 19688              | 20795              | 20820              | 20841              | 20845              | 20869              | 22038              | 22066              | 22091              | 22095              | 22120              | 23366              | 23391              | 23416              | 23420              | 23449              |
|                  |                    | S/T                       | 0.44               | 0.51               | 0.58               | 0.58               | 0.67               | 0.46               | 0.54               | 0.62               | 0.62               | 0.71               | 0.49               | 0.58               | 0.66               | 0.66               | 0.75               | 0.52               | 0.61               | 0.69               | 0.69               | 0.79               |
|                  |                    | PI                        | 1.26               | 1.26               | 1.26               | 1.26               | 1.26               | 1.34               | 1.34               | 1.34               | 1.34               | 1.34               | 1.42               | 1.42               | 1.42               | 1.42               | 1.42               | 1.50               | 1.50               | 1.50               | 1.50               | 1.51               |
|                  | 14°F<br>(-10.0°C)  | TC                        | 19360              | 19386              | 19407              | 19407              | 19434              | 20526              | 20551              | 20571              | 20575              | 20599              | 21753              | 21781              | 21805              | 21809              | 21834              | 23063              | 23088              | 23113              | 23117              | 23146              |
|                  |                    | S/T                       | 0.44               | 0.51               | 0.58               | 0.58               | 0.67               | 0.46               | 0.55               | 0.62               | 0.62               | 0.71               | 0.49               | 0.58               | 0.66               | 0.66               | 0.75               | 0.52               | 0.61               | 0.70               | 0.70               | 0.79               |
|                  |                    | PI                        | 1.25               | 1.25               | 1.25               | 1.25               | 1.26               | 1.33               | 1.33               | 1.33               | 1.33               | 1.33               | 1.41               | 1.41               | 1.41               | 1.41               | 1.41               | 1.49               | 1.49               | 1.49               | 1.49               | 1.50               |
|                  | 17°F<br>(-8.3°C)   | TC                        | 19275              | 19301              | 19322              | 19323              | 19349              | 20437              | 20461              | 20481              | 20485              | 20509              | 21658              | 21686              | 21710              | 21714              | 21738              | 22962              | 22987              | 23012              | 23016              | 23045              |
|                  |                    | S/T                       | 0.44               | 0.52               | 0.59               | 0.59               | 0.67               | 0.47               | 0.55               | 0.62               | 0.62               | 0.71               | 0.49               | 0.58               | 0.66               | 0.66               | 0.75               | 0.52               | 0.61               | 0.70               | 0.70               | 0.80               |
|                  |                    | PI                        | 1.25               | 1.25               | 1.25               | 1.25               | 1.25               | 1.32               | 1.33               | 1.33               | 1.33               | 1.33               | 1.40               | 1.41               | 1.41               | 1.41               | 1.41               | 1.49               | 1.49               | 1.49               | 1.49               | 1.49               |
|                  | 23°F<br>(-5.0°C)   | TC                        | 20396              | 20424              | 20446              | 20447              | 20474              | 21626              | 21651              | 21673              | 21677              | 21703              | 22918              | 22947              | 22973              | 22977              | 23003              | 24299              | 24325              | 24351              | 24355              | 24386              |
|                  |                    | S/T                       | 0.44               | 0.52               | 0.59               | 0.59               | 0.67               | 0.47               | 0.55               | 0.62               | 0.62               | 0.71               | 0.50               | 0.58               | 0.66               | 0.66               | 0.75               | 0.53               | 0.62               | 0.70               | 0.70               | 0.80               |
|                  |                    | PI                        | 1.11               | 1.11               | 1.11               | 1.11               | 1.11               | 1.17               | 1.18               | 1.18               | 1.18               | 1.18               | 1.25               | 1.25               | 1.25               | 1.25               | 1.25               | 1.32               | 1.32               | 1.32               | 1.32               | 1.32               |
|                  | 35°F<br>(1.7°C)    | TC                        | 22639              | 22670              | 22694              | 22695              | 22726              | 24004              | 24032              | 24056              | 24061              | 24089              | 25438              | 25471              | 25499              | 25504              | 25532              | 26971              | 27000              | 27029              | 27033              | 27067              |
|                  |                    | S/T                       | 0.44               | 0.52               | 0.59               | 0.59               | 0.68               | 0.47               | 0.55               | 0.63               | 0.63               | 0.72               | 0.50               | 0.59               | 0.67               | 0.67               | 0.76               | 0.53               | 0.62               | 0.71               | 0.71               | 0.80               |
|                  |                    | PI                        | 0.83               | 0.83               | 0.83               | 0.83               | 0.83               | 0.88               | 0.88               | 0.88               | 0.88               | 0.88               | 0.93               | 0.93               | 0.93               | 0.93               | 0.93               | 0.98               | 0.99               | 0.99               | 0.99               | 0.99               |
|                  | 41°F<br>(5.0°C)    | TC                        | 24440              | 24473              | 24500              | 24501              | 24534              | 25913              | 25944              | 25969              | 25975              | 26005              | 27461              | 27497              | 27528              | 27533              | 27564              | 29116              | 29148              | 29179              | 29184              | 29220              |
|                  |                    | S/T                       | 0.45               | 0.52               | 0.59               | 0.59               | 0.68               | 0.47               | 0.55               | 0.63               | 0.63               | 0.72               | 0.50               | 0.59               | 0.67               | 0.67               | 0.76               | 0.53               | 0.62               | 0.71               | 0.71               | 0.81               |
|                  |                    | PI                        | 1.14               | 1.14               | 1.14               | 1.14               | 1.15               | 1.21               | 1.21               | 1.21               | 1.21               | 1.21               | 1.28               | 1.28               | 1.28               | 1.29               | 1.29               | 1.36               | 1.36               | 1.36               | 1.36               | 1.36               |
|                  | 47°F<br>(8.3°C)    | TC                        | 26241              | 26276              | 26305              | 26306              | 26341              | 27823              | 27856              | 27883              | 27889              | 27922              | 29485              | 29523              | 29556              | 29562              | 29595              | 31261              | 31295              | 31329              | 31334              | 31373              |
|                  |                    | S/T                       | 0.45               | 0.52               | 0.60               | 0.60               | 0.68               | 0.47               | 0.56               | 0.63               | 0.63               | 0.72               | 0.50               | 0.59               | 0.67               | 0.67               | 0.76               | 0.53               | 0.62               | 0.71               | 0.71               | 0.81               |
|                  |                    | PI                        | 1.46               | 1.46               | 1.46               | 1.46               | 1.46               | 1.54               | 1.55               | 1.55               | 1.55               | 1.55               | 1.64               | 1.64               | 1.64               | 1.64               | 1.64               | 1.73               | 1.74               | 1.74               | 1.74               | 1.74               |
|                  | 50°F<br>(10.0°C)   | TC                        | 26162              | 26197              | 26225              | 26226              | 26262              | 27738              | 27771              | 27799              | 27804              | 27837              | 29396              | 29434              | 29467              | 29472              | 29505              | 31167              | 31201              | 31235              | 31239              | 31278              |
|                  |                    | S/T                       | 0.45               | 0.53               | 0.60               | 0.60               | 0.68               | 0.48               | 0.56               | 0.63               | 0.63               | 0.72               | 0.50               | 0.59               | 0.67               | 0.67               | 0.77               | 0.53               | 0.63               | 0.71               | 0.71               | 0.81               |
|                  |                    | PI                        | 1.48               | 1.48               | 1.48               | 1.48               | 1.48               | 1.56               | 1.57               | 1.57               | 1.57               | 1.57               | 1.66               | 1.66               | 1.66               | 1.66               | 1.66               | 1.76               | 1.76               | 1.76               | 1.76               | 1.76               |
|                  | 59°F<br>(15.0°C)   | TC                        | 25923              | 25958              | 25986              | 25987              | 26022              | 27486              | 27518              | 27545              | 27551              | 27583              | 29128              | 29165              | 29198              | 29203              | 29236              | 30883              | 30916              | 30950              | 30955              | 30993              |
|                  |                    | S/T                       | 0.45               | 0.53               | 0.60               | 0.60               | 0.69               | 0.48               | 0.56               | 0.64               | 0.64               | 0.73               | 0.51               | 0.59               | 0.68               | 0.68               | 0.77               | 0.54               | 0.63               | 0.72               | 0.72               | 0.82               |
|                  |                    | PI                        | 1.54               | 1.54               | 1.54               | 1.54               | 1.54               | 1.63               | 1.63               | 1.63               | 1.63               | 1.63               | 1.73               | 1.73               | 1.73               | 1.73               | 1.73               | 1.83               | 1.83               | 1.83               | 1.83               | 1.84               |
|                  | 68°F<br>(20.0°C)   | TC                        | 25685              | 25719              | 25747              | 25748              | 25783              | 27233              | 27265              | 27292              | 27297              | 27330              | 28860              | 28897              | 28929              | 28935              | 28967              | 30599              | 30632              | 30665              | 30670              | 30708              |
|                  |                    | S/T                       | 0.46               | 0.54               | 0.62               | 0.62               | 0.70               | 0.49               | 0.58               | 0.65               | 0.65               | 0.75               | 0.52               | 0.61               | 0.69               | 0.69               | 0.79               | 0.55               | 0.65               | 0.74               | 0.74               | 0.84               |
|                  |                    | PI                        | 1.60               | 1.60               | 1.60               | 1.60               | 1.60               | 1.69               | 1.69               | 1.70               | 1.70               | 1.70               | 1.79               | 1.80               | 1.80               | 1.80               | 1.80               | 1.90               | 1.90               | 1.91               | 1.91               | 1.91               |
|                  | 77°F<br>(25.0°C)   | TC                        | 25446              | 25481              | 25508              | 25509              | 25544              | 26980              | 27012              | 27039              | 27044              | 27076              | 28592              | 28629              | 28661              | 28666              | 28698              | 30314              | 30347              | 30380              | 30385              | 30423              |
|                  |                    | S/T                       | 0.47               | 0.55               | 0.63               | 0.63               | 0.71               | 0.50               | 0.58               | 0.66               | 0.66               | 0.76               | 0.53               | 0.62               | 0.70               | 0.70               | 0.80               | 0.56               | 0.66               | 0.74               | 0.74               | 0.85               |
|                  |                    | PI                        | 1.66               | 1.66               | 1.66               | 1.66               | 1.66               | 1.76               | 1.76               | 1.76               | 1.76               | 1.76               | 1.86               | 1.86               | 1.87               | 1.87               | 1.87               | 1.97               | 1.98               | 1.98               | 1.98               | 1.98               |
|                  | 82°F<br>(27.8°C)   | TC                        | 24888              | 24922              | 24948              | 24949              | 24983              | 26388              | 26419              | 26445              | 26450              | 26482              | 27964              | 28001              | 28032              | 28037              | 28068              | 29649              | 29682              | 29714              | 29718              | 29756              |
|                  |                    | S/T                       | 0.47               | 0.56               | 0.63               | 0.63               | 0.72               | 0.50               | 0.59               | 0.67               | 0.67               | 0.77               | 0.53               | 0.63               | 0.71               | 0.71               | 0.81               | 0.57               | 0.66               | 0.75               | 0.75               | 0.86               |
|                  |                    | PI                        | 1.71               | 1.72               | 1.72               | 1.72               | 1.72               | 1.82               | 1.82               | 1.82               | 1.82               | 1.82               | 1.93               | 1.93               | 1.93               | 1.93               | 1.93               | 2.04               | 2.04               | 2.05               | 2.05               | 2.05               |
|                  | 86°F<br>(30.0°C)   | TC                        | 23904              | 23936              | 23962              | 23963              | 23995              | 25345              | 25375              | 25400              | 25405              | 25435              | 26859              | 26894              | 26924              | 26929              | 26959              | 28477              | 28508              | 28539              | 28543              | 28579              |
|                  |                    | S/T                       | 0.48               | 0.56               | 0.64               | 0.64               | 0.73               | 0.51               | 0.60               | 0.68               | 0.68               | 0.77               | 0.54               | 0.63               | 0.72               | 0.72               | 0.82               | 0.57               | 0.67               | 0.76               | 0.76               | 0.87               |
|                  |                    | PI                        | 1.79               | 1.79               | 1.79               | 1.79               | 1.8                |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |

## COOLING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 24 (Sheet 3 of 4)

| AIRFLOW<br>(CFM) | OUTDOOR<br>DB(°F)  | ID<br>WB(°F)<br>ID DB(°F) | 60.8°F(16.0°C)     |                    |                    |                    |                    | 64.4°F(18.0°C)     |                    |                    |                    |                    | 67°F(19.4°C)       |                    |                    |                    |                    | 71.6°F(22.0°C)     |                    |                    |                    |                    |
|------------------|--------------------|---------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                  |                    |                           | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) |
|                  |                    |                           | TC                 | S/T                | PI                 | TC                 | S/T                | PI                 | TC                 | S/T                | PI                 | TC                 | S/T                | PI                 | TC                 | S/T                | PI                 | TC                 | S/T                | PI                 | TC                 | S/T                |
| 759              | -22°F<br>(-30.0°C) | TC                        | 16533              | 16555              | 16573              | 16573              | 16596              | 17529              | 17550              | 17567              | 17571              | 17591              | 18576              | 18600              | 18621              | 18625              | 18645              | 19696              | 19717              | 19738              | 19741              | 19766              |
|                  |                    | S/T                       | 0.45               | 0.53               | 0.60               | 0.60               | 0.69               | 0.48               | 0.56               | 0.64               | 0.64               | 0.73               | 0.51               | 0.60               | 0.68               | 0.68               | 0.77               | 0.54               | 0.63               | 0.72               | 0.72               | 0.82               |
|                  |                    | PI                        | 1.06               | 1.06               | 1.06               | 1.06               | 1.07               | 1.13               | 1.13               | 1.13               | 1.13               | 1.13               | 1.19               | 1.19               | 1.20               | 1.20               | 1.20               | 1.26               | 1.27               | 1.27               | 1.27               | 1.27               |
|                  | -13°F<br>(-25.0°C) | TC                        | 17910              | 17934              | 17954              | 17955              | 17979              | 18990              | 19012              | 19031              | 19035              | 19057              | 20124              | 20150              | 20173              | 20177              | 20199              | 21337              | 21360              | 21383              | 21387              | 21413              |
|                  |                    | S/T                       | 0.45               | 0.53               | 0.61               | 0.61               | 0.69               | 0.48               | 0.57               | 0.64               | 0.64               | 0.73               | 0.51               | 0.60               | 0.68               | 0.68               | 0.78               | 0.54               | 0.64               | 0.72               | 0.72               | 0.82               |
|                  |                    | PI                        | 1.15               | 1.15               | 1.15               | 1.15               | 1.15               | 1.22               | 1.22               | 1.22               | 1.22               | 1.22               | 1.29               | 1.29               | 1.30               | 1.30               | 1.30               | 1.37               | 1.37               | 1.37               | 1.37               | 1.38               |
|                  | -4°F<br>(-20.0°C)  | TC                        | 19288              | 19314              | 19335              | 19336              | 19362              | 20451              | 20475              | 20495              | 20499              | 20523              | 21672              | 21700              | 21725              | 21729              | 21753              | 22978              | 23003              | 23028              | 23032              | 23060              |
|                  |                    | S/T                       | 0.46               | 0.54               | 0.61               | 0.61               | 0.70               | 0.48               | 0.57               | 0.65               | 0.65               | 0.74               | 0.51               | 0.60               | 0.69               | 0.69               | 0.78               | 0.54               | 0.64               | 0.73               | 0.73               | 0.83               |
|                  |                    | PI                        | 1.24               | 1.24               | 1.24               | 1.24               | 1.24               | 1.31               | 1.31               | 1.32               | 1.32               | 1.32               | 1.39               | 1.39               | 1.40               | 1.40               | 1.40               | 1.48               | 1.48               | 1.48               | 1.48               | 1.48               |
|                  | 0°F<br>(-17.8°C)   | TC                        | 19900              | 19927              | 19949              | 19950              | 19976              | 21100              | 21125              | 21146              | 21150              | 21175              | 22360              | 22389              | 22414              | 22418              | 22444              | 23708              | 23733              | 23759              | 23763              | 23792              |
|                  |                    | S/T                       | 0.46               | 0.54               | 0.61               | 0.61               | 0.70               | 0.49               | 0.57               | 0.65               | 0.65               | 0.74               | 0.52               | 0.60               | 0.69               | 0.69               | 0.78               | 0.55               | 0.64               | 0.73               | 0.73               | 0.83               |
|                  |                    | PI                        | 1.28               | 1.28               | 1.28               | 1.28               | 1.28               | 1.36               | 1.36               | 1.36               | 1.36               | 1.36               | 1.44               | 1.44               | 1.44               | 1.44               | 1.44               | 1.52               | 1.52               | 1.53               | 1.53               | 1.53               |
|                  | 5°F<br>(-15.0°C)   | TC                        | 20666              | 20694              | 20716              | 20717              | 20745              | 21911              | 21937              | 21959              | 21963              | 21989              | 23220              | 23250              | 23276              | 23281              | 23307              | 24619              | 24646              | 24673              | 24677              | 24708              |
|                  |                    | S/T                       | 0.46               | 0.54               | 0.61               | 0.61               | 0.70               | 0.49               | 0.57               | 0.65               | 0.65               | 0.74               | 0.52               | 0.61               | 0.69               | 0.69               | 0.79               | 0.55               | 0.64               | 0.73               | 0.73               | 0.83               |
|                  |                    | PI                        | 1.33               | 1.33               | 1.33               | 1.33               | 1.33               | 1.41               | 1.41               | 1.41               | 1.41               | 1.41               | 1.49               | 1.49               | 1.49               | 1.49               | 1.50               | 1.50               | 1.58               | 1.58               | 1.58               | 1.59               |
|                  | 14°F<br>(-10.0°C)  | TC                        | 20398              | 20426              | 20448              | 20449              | 20476              | 21628              | 21653              | 21675              | 21679              | 21705              | 22920              | 22950              | 22975              | 22980              | 23005              | 24301              | 24327              | 24354              | 24358              | 24388              |
|                  |                    | S/T                       | 0.46               | 0.54               | 0.62               | 0.62               | 0.70               | 0.49               | 0.57               | 0.65               | 0.65               | 0.74               | 0.52               | 0.61               | 0.69               | 0.69               | 0.79               | 0.55               | 0.65               | 0.73               | 0.73               | 0.84               |
|                  |                    | PI                        | 1.32               | 1.32               | 1.32               | 1.32               | 1.32               | 1.40               | 1.40               | 1.40               | 1.40               | 1.40               | 1.48               | 1.48               | 1.49               | 1.49               | 1.49               | 1.57               | 1.57               | 1.57               | 1.57               | 1.58               |
|                  | 17°F<br>(-8.3°C)   | TC                        | 20309              | 20337              | 20359              | 20359              | 20387              | 21533              | 21559              | 21580              | 21584              | 21610              | 22820              | 22849              | 22875              | 22879              | 22905              | 24195              | 24221              | 24247              | 24251              | 24281              |
|                  |                    | S/T                       | 0.46               | 0.54               | 0.62               | 0.62               | 0.70               | 0.49               | 0.58               | 0.65               | 0.65               | 0.75               | 0.52               | 0.61               | 0.69               | 0.69               | 0.79               | 0.55               | 0.65               | 0.74               | 0.74               | 0.84               |
|                  |                    | PI                        | 1.32               | 1.32               | 1.32               | 1.32               | 1.32               | 1.40               | 1.40               | 1.40               | 1.40               | 1.40               | 1.48               | 1.48               | 1.48               | 1.48               | 1.48               | 1.57               | 1.57               | 1.57               | 1.57               | 1.57               |
|                  | 23°F<br>(-5.0°C)   | TC                        | 21491              | 21520              | 21543              | 21544              | 21573              | 22786              | 22813              | 22836              | 22840              | 22867              | 24147              | 24179              | 24206              | 24210              | 24237              | 25602              | 25630              | 25658              | 25662              | 25694              |
|                  |                    | S/T                       | 0.47               | 0.55               | 0.62               | 0.62               | 0.71               | 0.49               | 0.58               | 0.66               | 0.66               | 0.75               | 0.52               | 0.61               | 0.70               | 0.70               | 0.80               | 0.55               | 0.65               | 0.74               | 0.74               | 0.84               |
|                  |                    | PI                        | 1.17               | 1.17               | 1.17               | 1.17               | 1.17               | 1.24               | 1.24               | 1.24               | 1.24               | 1.24               | 1.31               | 1.31               | 1.32               | 1.32               | 1.32               | 1.39               | 1.39               | 1.39               | 1.39               | 1.40               |
|                  | 35°F<br>(1.7°C)    | TC                        | 23854              | 23886              | 23912              | 23913              | 23945              | 25292              | 25322              | 25347              | 25352              | 25382              | 26803              | 26838              | 26868              | 26873              | 26903              | 28418              | 28449              | 28480              | 28484              | 28520              |
|                  |                    | S/T                       | 0.47               | 0.55               | 0.62               | 0.62               | 0.71               | 0.50               | 0.58               | 0.66               | 0.66               | 0.75               | 0.53               | 0.62               | 0.70               | 0.70               | 0.80               | 0.56               | 0.65               | 0.74               | 0.74               | 0.85               |
|                  |                    | PI                        | 0.87               | 0.87               | 0.87               | 0.87               | 0.87               | 0.92               | 0.92               | 0.92               | 0.93               | 0.93               | 0.98               | 0.98               | 0.98               | 0.98               | 0.98               | 1.04               | 1.04               | 1.04               | 1.04               | 1.04               |
|                  | 41°F<br>(5.0°C)    | TC                        | 25752              | 25786              | 25814              | 25815              | 25850              | 27304              | 27336              | 27363              | 27368              | 27401              | 28935              | 28973              | 29005              | 29010              | 29043              | 30678              | 30712              | 30745              | 30750              | 30788              |
|                  |                    | S/T                       | 0.47               | 0.55               | 0.63               | 0.63               | 0.71               | 0.50               | 0.58               | 0.66               | 0.66               | 0.76               | 0.53               | 0.62               | 0.70               | 0.70               | 0.80               | 0.56               | 0.66               | 0.74               | 0.74               | 0.85               |
|                  |                    | PI                        | 1.20               | 1.20               | 1.20               | 1.20               | 1.21               | 1.27               | 1.28               | 1.28               | 1.28               | 1.28               | 1.35               | 1.35               | 1.35               | 1.35               | 1.36               | 1.43               | 1.43               | 1.44               | 1.44               | 1.44               |
|                  | 47°F<br>(8.3°C)    | TC                        | 27649              | 27687              | 27716              | 27718              | 27755              | 29316              | 29350              | 29379              | 29385              | 29420              | 31067              | 31107              | 31142              | 31148              | 31183              | 32939              | 32975              | 33011              | 33016              | 33057              |
|                  |                    | S/T                       | 0.47               | 0.55               | 0.63               | 0.63               | 0.71               | 0.50               | 0.59               | 0.66               | 0.66               | 0.76               | 0.53               | 0.62               | 0.70               | 0.70               | 0.80               | 0.56               | 0.66               | 0.75               | 0.75               | 0.85               |
|                  |                    | PI                        | 1.53               | 1.54               | 1.54               | 1.54               | 1.54               | 1.63               | 1.63               | 1.63               | 1.63               | 1.63               | 1.72               | 1.73               | 1.73               | 1.73               | 1.73               | 1.83               | 1.83               | 1.83               | 1.83               | 1.83               |
|                  | 50°F<br>(10.0°C)   | TC                        | 27566              | 27603              | 27632              | 27634              | 27671              | 29227              | 29261              | 29290              | 29296              | 29331              | 30973              | 31013              | 31048              | 31054              | 31088              | 32839              | 32875              | 32911              | 32916              | 32957              |
|                  |                    | S/T                       | 0.47               | 0.55               | 0.63               | 0.63               | 0.72               | 0.50               | 0.59               | 0.67               | 0.67               | 0.76               | 0.53               | 0.62               | 0.71               | 0.71               | 0.81               | 0.56               | 0.66               | 0.75               | 0.75               | 0.86               |
|                  |                    | PI                        | 1.55               | 1.56               | 1.56               | 1.56               | 1.56               | 1.65               | 1.65               | 1.65               | 1.65               | 1.65               | 1.75               | 1.75               | 1.75               | 1.75               | 1.75               | 1.85               | 1.85               | 1.86               | 1.86               | 1.86               |
|                  | 59°F<br>(15.0°C)   | TC                        | 27314              | 27351              | 27381              | 27382              | 27419              | 28960              | 28995              | 29023              | 29029              | 29064              | 30691              | 30731              | 30765              | 30770              | 30805              | 32540              | 32575              | 32611              | 32616              | 32656              |
|                  |                    | S/T                       | 0.48               | 0.56               | 0.63               | 0.63               | 0.72               | 0.50               | 0.59               | 0.67               | 0.67               | 0.77               | 0.53               | 0.63               | 0.71               | 0.71               | 0.81               | 0.57               | 0.66               | 0.75               | 0.75               | 0.86               |
|                  |                    | PI                        | 1.62               | 1.62               | 1.62               | 1.62               | 1.62               | 1.72               | 1.72               | 1.72               | 1.72               | 1.72               | 1.82               | 1.82               | 1.82               | 1.82               | 1.83               | 1.93               | 1.93               | 1.93               | 1.93               | 1.93               |
|                  | 68°F<br>(20.0°C)   | TC                        | 27063              | 27099              | 27129              | 27130              | 27166              | 28694              | 28728              | 28756              | 28762              | 28796              | 30408              | 30448              | 30482              | 30487              | 30521              | 32241              | 32276              | 32311              | 32316              | 32356              |
|                  |                    | S/T                       | 0.49               | 0.57               | 0.65               | 0.65               | 0.74               | 0.52               | 0.61               | 0.69               | 0.69               | 0.79               | 0.55               | 0.64               | 0.73               | 0.73               | 0.83               | 0.58               | 0.68               | 0.77               | 0.77               | 0.88               |
|                  |                    | PI                        | 1.68               | 1.68               | 1.69               | 1.69               | 1.69               | 1.78               | 1.79               | 1.79               | 1.79               | 1.79               | 1.89               | 1.89               | 1.89               | 1.89               | 1.89               | 1.90               | 2.00               | 2.01               | 2.01               | 2.01               |
|                  | 77°F<br>(25.0°C)   | TC                        | 26812              | 26848              | 26877              | 26878              | 26914              | 28428              | 28461              | 28489              | 28495              | 28529              | 30126              | 30165              | 30199              | 30204              | 30238              | 31941              | 31976              | 32011              | 32016              | 32056              |
|                  |                    | S/T                       | 0.49               | 0.58               | 0.66               | 0.66               | 0.75               | 0.52               | 0.61               | 0.70               | 0.70               | 0.80               | 0.56               | 0.65               | 0.74               | 0.74               | 0.84               | 0.59               | 0.69               | 0.78               | 0.78               | 0.89               |
|                  |                    | PI                        | 1.75               | 1.75               | 1.75               | 1.75               | 1.75               | 1.85               | 1.85               | 1.85               | 1.85               | 1.86               | 1.96               | 1.96               | 1.97               | 1.97               | 1.97               | 2.08               | 2.08               | 2.08               | 2.08               | 2.09               |
|                  | 82°F<br>(27.8°C)   | TC                        | 26224              | 26259              | 26287              | 26288              | 26324              | 27804              | 27837              | 27864              | 27870              | 27903              | 29465              | 29503              | 29536              | 29542              | 29575              | 31240              | 31274              | 31308              | 31313              | 31352              |
|                  |                    | S/T                       | 0.50               | 0.59               | 0.67               | 0.67               | 0.76               | 0.53               | 0.62               | 0.71               | 0.71               | 0.81               | 0.56               | 0.66               | 0.75               | 0.75               | 0.85               | 0.60               | 0.70               | 0.79               | 0.79               | 0.91               |
|                  |                    | PI                        | 1.81               | 1.81               | 1.81               | 1.81               | 1.81               | 1.91               | 1.92               | 1.92               | 1.92               | 1.92               | 2.03               | 2.03               | 2.03               | 2.03               | 2.04               | 2.15               | 2.15               | 2.16               | 2.16               | 2.16               |
|                  | 86°F<br>(30.0°C)   | TC                        | 25187              | 25221              | 25248              | 25249              | 25283              | 26705              | 26736              | 26763              | 26768              | 26800              | 28300              | 28337              | 28368              | 28374              | 28405              | 30005              | 30038              | 30070              | 30075              | 30113              |
|                  |                    | S/T                       | 0.51               | 0.59               | 0.68               | 0.68               | 0.77               | 0.54               | 0.63               | 0.72               | 0.72               | 0.82               | 0.57               | 0.67               | 0.76               | 0.76               | 0.87               | 0.60               | 0.71               | 0.80               | 0.80               | 0.92               |
|                  |                    | PI                        | 1.89               | 1.89               | 1.89               | 1.89               | 1.89</             |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |

COOLING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 24 (Sheet 4 of 4)

| AIRFLOW<br>(CFM) | OUTDOOR<br>DB(°F)  | ID<br>WB(°F)<br>ID DB(°F) | 60.8°F(16.0°C)     |                    |                    |                    |                    | 64.4°F(18.0°C)     |                    |                    |                    |                    | 67°F(19.4°C)       |                    |                    |                    |                    | 71.6°F(22.0°C)     |                    |                    |                    |                    |
|------------------|--------------------|---------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                  |                    |                           | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) |
|                  |                    |                           | TC                 | S/T                | PI                 | TC                 | S/T                | PI                 | TC                 | S/T                | PI                 | TC                 | S/T                | PI                 | TC                 | S/T                | PI                 | TC                 | S/T                | PI                 | TC                 | S/T                |
| 824              | -22°F<br>(-30.0°C) | TC                        | 17420              | 17443              | 17462              | 17463              | 17486              | 18470              | 18492              | 18510              | 18513              | 18535              | 19573              | 19599              | 19620              | 19624              | 19646              | 20752              | 20775              | 20798              | 20801              | 20827              |
|                  |                    | S/T                       | 0.48               | 0.56               | 0.63               | 0.63               | 0.72               | 0.50               | 0.59               | 0.67               | 0.67               | 0.77               | 0.53               | 0.63               | 0.71               | 0.71               | 0.81               | 0.57               | 0.67               | 0.76               | 0.76               | 0.86               |
|                  |                    | PI                        | 1.12               | 1.12               | 1.12               | 1.12               | 1.12               | 1.19               | 1.19               | 1.19               | 1.19               | 1.19               | 1.26               | 1.26               | 1.26               | 1.26               | 1.33               | 1.33               | 1.34               | 1.34               | 1.34               |                    |
|                  | -13°F<br>(-25.0°C) | TC                        | 18871              | 18897              | 18917              | 18918              | 18944              | 20009              | 20032              | 20052              | 20056              | 20080              | 21204              | 21232              | 21255              | 21259              | 21283              | 22482              | 22506              | 22531              | 22534              | 22562              |
|                  |                    | S/T                       | 0.48               | 0.56               | 0.64               | 0.64               | 0.73               | 0.51               | 0.60               | 0.68               | 0.68               | 0.77               | 0.54               | 0.63               | 0.72               | 0.72               | 0.82               | 0.57               | 0.67               | 0.76               | 0.76               | 0.87               |
|                  |                    | PI                        | 1.21               | 1.21               | 1.21               | 1.21               | 1.22               | 1.28               | 1.29               | 1.29               | 1.29               | 1.29               | 1.36               | 1.36               | 1.37               | 1.37               | 1.37               | 1.44               | 1.45               | 1.45               | 1.45               | 1.45               |
|                  | -4°F<br>(-20.0°C)  | TC                        | 20323              | 20350              | 20372              | 20373              | 20401              | 21548              | 21573              | 21595              | 21599              | 21625              | 22835              | 22865              | 22890              | 22895              | 22920              | 24211              | 24237              | 24264              | 24268              | 24298              |
|                  |                    | S/T                       | 0.48               | 0.57               | 0.64               | 0.64               | 0.73               | 0.51               | 0.60               | 0.68               | 0.68               | 0.78               | 0.54               | 0.64               | 0.72               | 0.72               | 0.82               | 0.57               | 0.67               | 0.77               | 0.77               | 0.87               |
|                  |                    | PI                        | 1.31               | 1.31               | 1.31               | 1.31               | 1.31               | 1.38               | 1.39               | 1.39               | 1.39               | 1.39               | 1.47               | 1.47               | 1.47               | 1.47               | 1.47               | 1.55               | 1.56               | 1.56               | 1.56               | 1.56               |
|                  | 0°F<br>(-17.8°C)   | TC                        | 20968              | 20997              | 21019              | 21020              | 21048              | 22232              | 22258              | 22280              | 22285              | 22311              | 23560              | 23591              | 23617              | 23621              | 23648              | 24980              | 25007              | 25034              | 25038              | 25069              |
|                  |                    | S/T                       | 0.48               | 0.57               | 0.64               | 0.64               | 0.73               | 0.51               | 0.60               | 0.68               | 0.68               | 0.78               | 0.54               | 0.64               | 0.72               | 0.72               | 0.83               | 0.58               | 0.68               | 0.77               | 0.77               | 0.88               |
|                  |                    | PI                        | 1.35               | 1.35               | 1.35               | 1.35               | 1.35               | 1.43               | 1.43               | 1.43               | 1.43               | 1.43               | 1.51               | 1.51               | 1.52               | 1.52               | 1.52               | 1.60               | 1.61               | 1.61               | 1.61               | 1.61               |
|                  | 5°F<br>(-15.0°C)   | TC                        | 21775              | 21804              | 21828              | 21829              | 21858              | 23087              | 23114              | 23137              | 23142              | 23169              | 24466              | 24498              | 24525              | 24530              | 24557              | 25941              | 25969              | 25997              | 26001              | 26033              |
|                  |                    | S/T                       | 0.49               | 0.57               | 0.65               | 0.65               | 0.74               | 0.51               | 0.60               | 0.69               | 0.69               | 0.78               | 0.55               | 0.64               | 0.73               | 0.73               | 0.83               | 0.58               | 0.68               | 0.77               | 0.77               | 0.88               |
|                  |                    | PI                        | 1.40               | 1.40               | 1.40               | 1.40               | 1.40               | 1.48               | 1.48               | 1.49               | 1.49               | 1.49               | 1.57               | 1.57               | 1.58               | 1.58               | 1.58               | 1.67               | 1.67               | 1.67               | 1.67               | 1.67               |
|                  | 14°F<br>(-10.0°C)  | TC                        | 21493              | 21522              | 21545              | 21546              | 21575              | 22788              | 22815              | 22838              | 22842              | 22869              | 24150              | 24181              | 24208              | 24213              | 24240              | 25605              | 25633              | 25661              | 25665              | 25697              |
|                  |                    | S/T                       | 0.49               | 0.57               | 0.65               | 0.65               | 0.74               | 0.52               | 0.61               | 0.69               | 0.69               | 0.78               | 0.55               | 0.64               | 0.73               | 0.73               | 0.83               | 0.58               | 0.68               | 0.77               | 0.77               | 0.88               |
|                  |                    | PI                        | 1.39               | 1.39               | 1.39               | 1.39               | 1.40               | 1.47               | 1.48               | 1.48               | 1.48               | 1.48               | 1.56               | 1.56               | 1.57               | 1.57               | 1.57               | 1.66               | 1.66               | 1.66               | 1.66               | 1.66               |
|                  | 17°F<br>(-8.3°C)   | TC                        | 21399              | 21428              | 21451              | 21452              | 21481              | 22689              | 22716              | 22738              | 22743              | 22770              | 24044              | 24076              | 24102              | 24107              | 24134              | 25493              | 25521              | 25549              | 25552              | 25584              |
|                  |                    | S/T                       | 0.49               | 0.57               | 0.65               | 0.65               | 0.74               | 0.52               | 0.61               | 0.69               | 0.69               | 0.79               | 0.55               | 0.64               | 0.73               | 0.73               | 0.83               | 0.58               | 0.68               | 0.78               | 0.78               | 0.88               |
|                  |                    | PI                        | 1.39               | 1.39               | 1.39               | 1.39               | 1.39               | 1.47               | 1.47               | 1.47               | 1.47               | 1.48               | 1.56               | 1.56               | 1.56               | 1.56               | 1.56               | 1.65               | 1.65               | 1.66               | 1.66               | 1.66               |
|                  | 23°F<br>(-5.0°C)   | TC                        | 22644              | 22675              | 22699              | 22700              | 22731              | 24009              | 24037              | 24061              | 24066              | 24094              | 25443              | 25476              | 25505              | 25509              | 25538              | 26976              | 27006              | 27035              | 27039              | 27073              |
|                  |                    | S/T                       | 0.49               | 0.58               | 0.65               | 0.65               | 0.75               | 0.52               | 0.61               | 0.69               | 0.69               | 0.79               | 0.55               | 0.65               | 0.74               | 0.74               | 0.84               | 0.58               | 0.69               | 0.78               | 0.78               | 0.89               |
|                  |                    | PI                        | 1.23               | 1.23               | 1.23               | 1.23               | 1.23               | 1.30               | 1.31               | 1.31               | 1.31               | 1.31               | 1.38               | 1.38               | 1.39               | 1.39               | 1.39               | 1.47               | 1.47               | 1.47               | 1.47               | 1.47               |
|                  | 35°F<br>(1.7°C)    | TC                        | 25134              | 25168              | 25195              | 25196              | 25230              | 26649              | 26681              | 26707              | 26712              | 26744              | 28241              | 28278              | 28309              | 28315              | 28346              | 29943              | 29975              | 30008              | 30013              | 30050              |
|                  |                    | S/T                       | 0.49               | 0.58               | 0.66               | 0.66               | 0.75               | 0.52               | 0.61               | 0.70               | 0.70               | 0.79               | 0.55               | 0.65               | 0.74               | 0.74               | 0.84               | 0.59               | 0.69               | 0.78               | 0.78               | 0.89               |
|                  |                    | PI                        | 0.92               | 0.92               | 0.92               | 0.92               | 0.92               | 0.97               | 0.97               | 0.97               | 0.97               | 0.98               | 1.03               | 1.03               | 1.03               | 1.03               | 1.03               | 1.09               | 1.09               | 1.09               | 1.10               | 1.10               |
|                  | 41°F<br>(5.0°C)    | TC                        | 27134              | 27170              | 27199              | 27201              | 27237              | 28769              | 28803              | 28831              | 28837              | 28871              | 30488              | 30527              | 30561              | 30567              | 30601              | 32325              | 32360              | 32395              | 32400              | 32440              |
|                  |                    | S/T                       | 0.49               | 0.58               | 0.66               | 0.66               | 0.75               | 0.52               | 0.61               | 0.70               | 0.70               | 0.80               | 0.56               | 0.65               | 0.74               | 0.74               | 0.84               | 0.59               | 0.69               | 0.78               | 0.78               | 0.89               |
|                  |                    | PI                        | 1.27               | 1.27               | 1.27               | 1.27               | 1.27               | 1.34               | 1.34               | 1.35               | 1.35               | 1.35               | 1.42               | 1.42               | 1.43               | 1.43               | 1.43               | 1.51               | 1.51               | 1.51               | 1.51               | 1.51               |
|                  | 47°F<br>(8.3°C)    | TC                        | 29133              | 29172              | 29204              | 29205              | 29244              | 30889              | 30925              | 30956              | 30962              | 30999              | 32734              | 32777              | 32813              | 32819              | 32856              | 34706              | 34744              | 34782              | 34787              | 34831              |
|                  |                    | S/T                       | 0.50               | 0.58               | 0.66               | 0.66               | 0.75               | 0.53               | 0.62               | 0.70               | 0.70               | 0.80               | 0.56               | 0.65               | 0.74               | 0.74               | 0.85               | 0.59               | 0.69               | 0.79               | 0.79               | 0.90               |
|                  |                    | PI                        | 1.62               | 1.62               | 1.62               | 1.62               | 1.62               | 1.71               | 1.72               | 1.72               | 1.72               | 1.72               | 1.82               | 1.82               | 1.82               | 1.82               | 1.82               | 1.93               | 1.93               | 1.93               | 1.93               | 1.93               |
|                  | 50°F<br>(10.0°C)   | TC                        | 29045              | 29084              | 29115              | 29116              | 29156              | 30795              | 30832              | 30862              | 30868              | 30905              | 32635              | 32677              | 32714              | 32720              | 32756              | 34601              | 34639              | 34677              | 34682              | 34725              |
|                  |                    | S/T                       | 0.50               | 0.58               | 0.66               | 0.66               | 0.76               | 0.53               | 0.62               | 0.70               | 0.70               | 0.80               | 0.56               | 0.66               | 0.75               | 0.75               | 0.85               | 0.59               | 0.70               | 0.79               | 0.79               | 0.90               |
|                  |                    | PI                        | 1.64               | 1.64               | 1.64               | 1.64               | 1.64               | 1.74               | 1.74               | 1.74               | 1.74               | 1.74               | 1.84               | 1.84               | 1.85               | 1.85               | 1.85               | 1.95               | 1.95               | 1.96               | 1.96               | 1.96               |
|                  | 59°F<br>(15.0°C)   | TC                        | 28780              | 28819              | 28850              | 28851              | 28890              | 30514              | 30551              | 30581              | 30587              | 30623              | 32338              | 32380              | 32416              | 32422              | 32458              | 34286              | 34323              | 34361              | 34366              | 34409              |
|                  |                    | S/T                       | 0.50               | 0.59               | 0.67               | 0.67               | 0.76               | 0.53               | 0.62               | 0.71               | 0.71               | 0.81               | 0.56               | 0.66               | 0.75               | 0.75               | 0.86               | 0.60               | 0.70               | 0.80               | 0.80               | 0.91               |
|                  |                    | PI                        | 1.71               | 1.71               | 1.71               | 1.71               | 1.71               | 1.81               | 1.81               | 1.81               | 1.81               | 1.81               | 1.92               | 1.92               | 1.92               | 1.92               | 1.92               | 2.03               | 2.03               | 2.04               | 2.04               | 2.04               |
|                  | 68°F<br>(20.0°C)   | TC                        | 28515              | 28554              | 28584              | 28586              | 28624              | 30234              | 30270              | 30300              | 30306              | 30341              | 32040              | 32082              | 32117              | 32123              | 32159              | 33971              | 34008              | 34045              | 34050              | 34092              |
|                  |                    | S/T                       | 0.51               | 0.60               | 0.69               | 0.69               | 0.78               | 0.54               | 0.64               | 0.73               | 0.73               | 0.83               | 0.58               | 0.68               | 0.77               | 0.77               | 0.88               | 0.61               | 0.72               | 0.82               | 0.82               | 0.93               |
|                  |                    | PI                        | 1.77               | 1.77               | 1.78               | 1.78               | 1.78               | 1.88               | 1.88               | 1.88               | 1.88               | 1.89               | 1.99               | 1.99               | 2.00               | 2.00               | 2.00               | 2.11               | 2.11               | 2.12               | 2.12               | 2.12               |
|                  | 77°F<br>(25.0°C)   | TC                        | 28251              | 28289              | 28319              | 28320              | 28359              | 29953              | 29989              | 30018              | 30024              | 30060              | 31743              | 31784              | 31819              | 31825              | 31861              | 33655              | 33692              | 33728              | 33734              | 33776              |
|                  |                    | S/T                       | 0.52               | 0.61               | 0.69               | 0.69               | 0.79               | 0.55               | 0.65               | 0.74               | 0.74               | 0.84               | 0.59               | 0.69               | 0.78               | 0.78               | 0.89               | 0.62               | 0.73               | 0.83               | 0.83               | 0.94               |
|                  |                    | PI                        | 1.84               | 1.84               | 1.84               | 1.84               | 1.85               | 1.95               | 1.95               | 1.95               | 1.95               | 1.96               | 2.07               | 2.07               | 2.07               | 2.07               | 2.07               | 2.19               | 2.19               | 2.20               | 2.20               | 2.20               |
|                  | 82°F<br>(27.8°C)   | TC                        | 27631              | 27668              | 27698              | 27699              | 27736              | 29296              | 29331              | 29360              | 29365              | 29400              | 31046              | 31087              | 31121              | 31127              | 31162              | 32917              | 32953              | 32988              | 32994              | 33035              |
|                  |                    | S/T                       | 0.53               | 0.62               | 0.70               | 0.70               | 0.80               | 0.56               | 0.66               | 0.75               | 0.75               | 0.85               | 0.59               | 0.70               | 0.79               | 0.79               | 0.90               | 0.63               | 0.74               | 0.84               | 0.84               | 0.95               |
|                  |                    | PI                        | 1.90               | 1.91               | 1.91               | 1.91               | 1.91               | 2.02               | 2.02               | 2.02               | 2.02               | 2.02               | 2.14               | 2.14               | 2.14               | 2.14               | 2.15               | 2.27               | 2.27               | 2.27               | 2.27               | 2.28               |
|                  | 86°F<br>(30.0°C)   | TC                        | 26538              | 26574              | 26603              | 26604              | 26640              | 28138              | 28171              | 28199              | 28204              | 28238              | 29819              | 29857              | 29891              | 29896              | 29930              | 31615              | 31650              | 31684              | 31689              | 31728              |
|                  |                    | S/T                       | 0.53               | 0.63               | 0.71               | 0.71               | 0.81               | 0.57               | 0.66               | 0.75               | 0.75               | 0.86               | 0.60               | 0.70               | 0.80               | 0.80               | 0.91               | 0.64               | 0.75               | 0.85               | 0.85               | 0.97               |
|                  |                    | PI                        | 1.99               | 1.99               | 1.99               | 1.99               | 2.00               | 2.1                |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |

**Table 32 — Air Handler Heating Performance (24K)**

HEATING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 24 (Sheet 1 of 2)

| AIRFLOW<br>(CFM) | OUTDOOR<br>DB(°F) | TC: Total Heating Capacity (BTU/hr) |                  |                  |                    |                    | PI: Power Input (kW)      |                  |                  |                    |                    |
|------------------|-------------------|-------------------------------------|------------------|------------------|--------------------|--------------------|---------------------------|------------------|------------------|--------------------|--------------------|
|                  |                   | Indoor Conditions (DB °F)           |                  |                  |                    |                    | Indoor Conditions (DB °F) |                  |                  |                    |                    |
|                  |                   | 60.8°F<br>(16.0°C)                  | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) | 60.8°F<br>(16.0°C)        | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) |
| 629              | -22°F(-30.0°C)    | 10398                               | 10190            | 10139            | 10350              | 10257              | 2.48                      | 2.50             | 2.50             | 2.51               | 2.52               |
|                  | -13°F(-25.0°C)    | 13811                               | 13535            | 13467            | 13219              | 13100              | 2.63                      | 2.65             | 2.65             | 2.66               | 2.67               |
|                  | -4°F(-20.0°C)     | 17080                               | 16739            | 16655            | 16348              | 16201              | 2.84                      | 2.86             | 2.87             | 2.87               | 2.88               |
|                  | 0°F(-17.8°C)      | 19109                               | 18727            | 18633            | 18290              | 18125              | 2.95                      | 2.97             | 2.98             | 2.98               | 3.00               |
|                  | 5°F(-15.0°C)      | 21645                               | 21212            | 21106            | 20717              | 20530              | 3.08                      | 3.11             | 3.12             | 3.12               | 3.13               |
|                  | 14°F(-10.0°C)     | 21172                               | 20748            | 20644            | 20264              | 20081              | 2.89                      | 2.91             | 2.92             | 2.92               | 2.94               |
|                  | 17°F(-8.3°C)      | 21014                               | 20593            | 20490            | 20113              | 19932              | 2.82                      | 2.85             | 2.85             | 2.86               | 2.87               |
|                  | 22°F(-5.6°C)      | 22070                               | 21628            | 21520            | 21124              | 20934              | 2.82                      | 2.85             | 2.85             | 2.86               | 2.87               |
|                  | 27°F(-2.8°C)      | 23126                               | 22663            | 22550            | 22134              | 21935              | 2.82                      | 2.85             | 2.85             | 2.86               | 2.87               |
|                  | 32°F(0.0°C)       | 24182                               | 23698            | 23580            | 23145              | 22937              | 2.82                      | 2.85             | 2.85             | 2.86               | 2.87               |
|                  | 35°F(1.7°C)       | 24816                               | 24319            | 24198            | 23752              | 23538              | 2.82                      | 2.85             | 2.85             | 2.86               | 2.87               |
|                  | 37°F(2.8°C)       | 25028                               | 24527            | 24404            | 23955              | 23739              | 2.75                      | 2.77             | 2.78             | 2.78               | 2.80               |
|                  | 42°F(5.6°C)       | 25557                               | 25046            | 24921            | 24462              | 24241              | 2.57                      | 2.59             | 2.60             | 2.60               | 2.61               |
|                  | 44.6°F(7.0°C)     | 25769                               | 25254            | 25127            | 24664              | 24442              | 2.50                      | 2.52             | 2.52             | 2.53               | 2.54               |
|                  | 47°F(8.3°C)       | 26087                               | 25565            | 25437            | 24969              | 24744              | 2.39                      | 2.41             | 2.41             | 2.42               | 2.43               |
|                  | 52°F(11.1°C)      | 25032                               | 24531            | 24409            | 23959              | 23743              | 2.28                      | 2.29             | 2.30             | 2.30               | 2.31               |
|                  | 57°F(13.9°C)      | 23977                               | 23498            | 23380            | 22949              | 22743              | 2.16                      | 2.18             | 2.19             | 2.19               | 2.20               |
|                  | 59°F(15.0°C)      | 23555                               | 23084            | 22969            | 22545              | 22342              | 2.12                      | 2.14             | 2.14             | 2.14               | 2.15               |
|                  | 62°F(16.7°C)      | 22922                               | 22464            | 22352            | 21940              | 21742              | 2.05                      | 2.07             | 2.07             | 2.08               | 2.08               |
|                  | 64.4°F(18.0°C)    | 22500                               | 22050            | 21940            | 21536              | 21342              | 2.01                      | 2.02             | 2.03             | 2.03               | 2.04               |
| 694              | -22°F(-30.0°C)    | 11172                               | 10949            | 10894            | 10985              | 10886              | 2.50                      | 2.52             | 2.53             | 2.53               | 2.54               |
|                  | -13°F(-25.0°C)    | 14552                               | 14261            | 14189            | 14030              | 13904              | 2.65                      | 2.68             | 2.68             | 2.69               | 2.70               |
|                  | -4°F(-20.0°C)     | 17997                               | 17637            | 17549            | 17351              | 17195              | 2.87                      | 2.89             | 2.90             | 2.90               | 2.91               |
|                  | 0°F(-17.8°C)      | 20134                               | 19732            | 19633            | 19412              | 19238              | 2.98                      | 3.00             | 3.01             | 3.01               | 3.03               |
|                  | 5°F(-15.0°C)      | 22806                               | 22350            | 22238            | 21988              | 21791              | 3.12                      | 3.14             | 3.15             | 3.15               | 3.17               |
|                  | 14°F(-10.0°C)     | 22308                               | 21861            | 21752            | 21508              | 21314              | 2.92                      | 2.94             | 2.95             | 2.95               | 2.96               |
|                  | 17°F(-8.3°C)      | 22141                               | 21699            | 21590            | 21347              | 21155              | 2.85                      | 2.87             | 2.88             | 2.89               | 2.90               |
|                  | 22°F(-5.6°C)      | 23254                               | 22789            | 22675            | 22420              | 22218              | 2.85                      | 2.88             | 2.88             | 2.89               | 2.90               |
|                  | 27°F(-2.8°C)      | 24367                               | 23880            | 23760            | 23493              | 23282              | 2.85                      | 2.88             | 2.88             | 2.89               | 2.90               |
|                  | 32°F(0.0°C)       | 25480                               | 24970            | 24845            | 24566              | 24345              | 2.85                      | 2.88             | 2.88             | 2.89               | 2.90               |
|                  | 35°F(1.7°C)       | 26147                               | 25624            | 25496            | 25210              | 24983              | 2.85                      | 2.88             | 2.88             | 2.89               | 2.90               |
|                  | 37°F(2.8°C)       | 26371                               | 25843            | 25714            | 25425              | 25196              | 2.78                      | 2.80             | 2.81             | 2.81               | 2.82               |
|                  | 42°F(5.6°C)       | 26929                               | 26390            | 26258            | 25963              | 25729              | 2.60                      | 2.62             | 2.62             | 2.63               | 2.64               |
|                  | 44.6°F(7.0°C)     | 27152                               | 26609            | 26476            | 26178              | 25943              | 2.52                      | 2.54             | 2.55             | 2.55               | 2.56               |
|                  | 47°F(8.3°C)       | 27487                               | 26937            | 26802            | 26501              | 26263              | 2.41                      | 2.43             | 2.44             | 2.44               | 2.45               |
|                  | 52°F(11.1°C)      | 26375                               | 25848            | 25719            | 25429              | 25201              | 2.30                      | 2.32             | 2.32             | 2.33               | 2.34               |
|                  | 57°F(13.9°C)      | 25264                               | 24759            | 24635            | 24358              | 24139              | 2.19                      | 2.20             | 2.21             | 2.21               | 2.22               |
|                  | 59°F(15.0°C)      | 24819                               | 24323            | 24201            | 23929              | 23714              | 2.14                      | 2.16             | 2.16             | 2.17               | 2.18               |
|                  | 62°F(16.7°C)      | 24152                               | 23669            | 23551            | 23286              | 23077              | 2.07                      | 2.09             | 2.09             | 2.10               | 2.11               |
|                  | 64.4°F(18.0°C)    | 23708                               | 23234            | 23117            | 22858              | 22652              | 2.03                      | 2.04             | 2.05             | 2.05               | 2.06               |

## HEATING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 24 (Sheet 2 of 2)

| AIRFLOW<br>(CFM) | OUTDOOR<br>DB(°F) | TC: Total Heating Capacity (BTU/hr) |                  |                  |                    |                    | PI: Power Input (kW)      |                  |                  |                    |                    |
|------------------|-------------------|-------------------------------------|------------------|------------------|--------------------|--------------------|---------------------------|------------------|------------------|--------------------|--------------------|
|                  |                   | Indoor Conditions (DB °F)           |                  |                  |                    |                    | Indoor Conditions (DB °F) |                  |                  |                    |                    |
|                  |                   | 60.8°F<br>(16.0°C)                  | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) | 60.8°F<br>(16.0°C)        | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) |
| 759              | -22°F(-30.0°C)    | 12005                               | 11765            | 11706            | 11659              | 11554              | 2.53                      | 2.55             | 2.55             | 2.56               | 2.57               |
|                  | -13°F(-25.0°C)    | 15333                               | 15026            | 14951            | 14891              | 14757              | 2.68                      | 2.70             | 2.71             | 2.71               | 2.72               |
|                  | -4°F(-20.0°C)     | 18962                               | 18583            | 18490            | 18416              | 18251              | 2.90                      | 2.92             | 2.92             | 2.93               | 2.94               |
|                  | 0°F(-17.8°C)      | 21215                               | 20790            | 20687            | 20604              | 20418              | 3.01                      | 3.03             | 3.04             | 3.04               | 3.06               |
|                  | 5°F(-15.0°C)      | 24030                               | 23550            | 23432            | 23338              | 23128              | 3.15                      | 3.17             | 3.18             | 3.19               | 3.20               |
|                  | 14°F(-10.0°C)     | 23505                               | 23035            | 22919            | 22828              | 22622              | 2.95                      | 2.97             | 2.98             | 2.98               | 2.99               |
|                  | 17°F(-8.3°C)      | 23329                               | 22863            | 22749            | 22658              | 22454              | 2.88                      | 2.90             | 2.91             | 2.92               | 2.93               |
|                  | 22°F(-5.6°C)      | 24502                               | 24012            | 23892            | 23796              | 23582              | 2.88                      | 2.90             | 2.91             | 2.92               | 2.93               |
|                  | 27°F(-2.8°C)      | 25674                               | 25161            | 25035            | 24935              | 24711              | 2.88                      | 2.90             | 2.91             | 2.92               | 2.93               |
|                  | 32°F(0.0°C)       | 26847                               | 26310            | 26178            | 26074              | 25839              | 2.88                      | 2.90             | 2.91             | 2.92               | 2.93               |
|                  | 35°F(1.7°C)       | 27550                               | 26999            | 26864            | 26757              | 26516              | 2.88                      | 2.90             | 2.91             | 2.92               | 2.93               |
|                  | 37°F(2.8°C)       | 27786                               | 27230            | 27094            | 26985              | 26743              | 2.81                      | 2.83             | 2.84             | 2.84               | 2.85               |
|                  | 42°F(5.6°C)       | 28374                               | 27806            | 27667            | 27557              | 27309              | 2.62                      | 2.64             | 2.65             | 2.65               | 2.66               |
|                  | 44.6°F(7.0°C)     | 28609                               | 28037            | 27897            | 27785              | 27535              | 2.55                      | 2.57             | 2.57             | 2.58               | 2.59               |
|                  | 47°F(8.3°C)       | 28962                               | 28383            | 28241            | 28128              | 27875              | 2.44                      | 2.46             | 2.46             | 2.47               | 2.48               |
|                  | 52°F(11.1°C)      | 27791                               | 27235            | 27099            | 26990              | 26747              | 2.32                      | 2.34             | 2.35             | 2.35               | 2.36               |
|                  | 57°F(13.9°C)      | 26620                               | 26087            | 25957            | 25853              | 25620              | 2.21                      | 2.23             | 2.23             | 2.23               | 2.24               |
|                  | 59°F(15.0°C)      | 26151                               | 25628            | 25500            | 25398              | 25169              | 2.16                      | 2.18             | 2.18             | 2.19               | 2.20               |
|                  | 62°F(16.7°C)      | 25448                               | 24939            | 24815            | 24716              | 24493              | 2.09                      | 2.11             | 2.11             | 2.12               | 2.13               |
|                  | 64.4°F(18.0°C)    | 24980                               | 24480            | 24358            | 24261              | 24042              | 2.05                      | 2.06             | 2.07             | 2.07               | 2.08               |
| 824              | -22°F(-30.0°C)    | 12649                               | 12396            | 12334            | 12285              | 12174              | 2.55                      | 2.57             | 2.58             | 2.59               | 2.60               |
|                  | -13°F(-25.0°C)    | 16155                               | 15832            | 15753            | 15690              | 15549              | 2.71                      | 2.73             | 2.74             | 2.74               | 2.75               |
|                  | -4°F(-20.0°C)     | 19980                               | 19580            | 19483            | 19405              | 19230              | 2.92                      | 2.95             | 2.95             | 2.96               | 2.97               |
|                  | 0°F(-17.8°C)      | 22353                               | 21906            | 21797            | 21709              | 21514              | 3.04                      | 3.06             | 3.07             | 3.07               | 3.09               |
|                  | 5°F(-15.0°C)      | 25320                               | 24813            | 24689            | 24590              | 24369              | 3.18                      | 3.20             | 3.21             | 3.22               | 3.23               |
|                  | 14°F(-10.0°C)     | 24766                               | 24271            | 24149            | 24053              | 23836              | 2.98                      | 3.00             | 3.01             | 3.01               | 3.03               |
|                  | 17°F(-8.3°C)      | 24581                               | 24090            | 23969            | 23873              | 23659              | 2.91                      | 2.93             | 2.94             | 2.94               | 2.96               |
|                  | 22°F(-5.6°C)      | 25817                               | 25300            | 25174            | 25073              | 24848              | 2.91                      | 2.93             | 2.94             | 2.95               | 2.96               |
|                  | 27°F(-2.8°C)      | 27052                               | 26511            | 26379            | 26273              | 26037              | 2.91                      | 2.93             | 2.94             | 2.95               | 2.96               |
|                  | 32°F(0.0°C)       | 28288                               | 27722            | 27583            | 27473              | 27226              | 2.91                      | 2.93             | 2.94             | 2.95               | 2.96               |
|                  | 35°F(1.7°C)       | 29029                               | 28448            | 28306            | 28193              | 27939              | 2.91                      | 2.93             | 2.94             | 2.95               | 2.96               |
|                  | 37°F(2.8°C)       | 29277                               | 28691            | 28548            | 28433              | 28178              | 2.84                      | 2.86             | 2.86             | 2.87               | 2.88               |
|                  | 42°F(5.6°C)       | 29896                               | 29298            | 29152            | 29035              | 28774              | 2.65                      | 2.67             | 2.68             | 2.68               | 2.69               |
|                  | 44.6°F(7.0°C)     | 30144                               | 29541            | 29394            | 29276              | 29012              | 2.57                      | 2.60             | 2.60             | 2.61               | 2.62               |
|                  | 47°F(8.3°C)       | 30516                               | 29906            | 29756            | 29637              | 29370              | 2.46                      | 2.48             | 2.49             | 2.49               | 2.50               |
|                  | 52°F(11.1°C)      | 29282                               | 28696            | 28553            | 28439              | 28183              | 2.35                      | 2.37             | 2.37             | 2.37               | 2.38               |
|                  | 57°F(13.9°C)      | 28048                               | 27487            | 27350            | 27240              | 26995              | 2.23                      | 2.25             | 2.25             | 2.26               | 2.27               |
|                  | 59°F(15.0°C)      | 27554                               | 27003            | 26868            | 26761              | 26520              | 2.18                      | 2.20             | 2.21             | 2.21               | 2.22               |
|                  | 62°F(16.7°C)      | 26814                               | 26278            | 26146            | 26042              | 25807              | 2.11                      | 2.13             | 2.14             | 2.14               | 2.15               |
|                  | 64.4°F(18.0°C)    | 26320                               | 25794            | 25665            | 25562              | 25332              | 2.07                      | 2.08             | 2.09             | 2.09               | 2.10               |

**NOTE:** Values in grey are extrapolated based on tested performance.

**Table 33 — Air Handler Cooling Performance (33K)**

COOLING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 33 (Sheet 1 of 4)

| AIRFLOW<br>(CFM) | OUTDOOR<br>DB(°F)  | ID WB<br>(°F) | 60.8°F(16.0°C)     |                    |                    |                    |                    | 64.4°F(18.0°C)     |                    |                    |                    |                    | 67°F(19.4°C)       |                    |                    |                    |                    | 71.6°F(22.0°C)     |                    |                    |                    |                    |
|------------------|--------------------|---------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                  |                    | ID DB<br>(°F) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) |
| 865              | -22°F<br>(-30.0°C) | TC            | 22995              | 23026              | 23051              | 23052              | 23083              | 24381              | 24409              | 24434              | 24438              | 24467              | 25837              | 25871              | 25900              | 25904              | 25933              | 27394              | 27424              | 27454              | 27458              | 27492              |
|                  |                    | S/T           | 0.39               | 0.46               | 0.502              | 0.52               | 0.60               | 0.42               | 0.49               | 0.56               | 0.56               | 0.63               | 0.44               | 0.52               | 0.59               | 0.59               | 0.67               | 0.47               | 0.55               | 0.62               | 0.62               | 0.71               |
|                  |                    | PI            | 1.58               | 1.58               | 1.58               | 1.58               | 1.58               | 1.67               | 1.67               | 1.68               | 1.68               | 1.68               | 1.77               | 1.77               | 1.78               | 1.78               | 1.78               | 1.88               | 1.88               | 1.88               | 1.88               | 1.89               |
|                  | -13°F<br>(-25.0°C) | TC            | 24911              | 24945              | 24971              | 24973              | 25006              | 26412              | 26444              | 26470              | 26475              | 26506              | 27990              | 28027              | 28058              | 28063              | 28094              | 29677              | 29709              | 29741              | 29746              | 29783              |
|                  |                    | S/T           | 0.40               | 0.46               | 0.53               | 0.53               | 0.60               | 0.42               | 0.49               | 0.56               | 0.56               | 0.64               | 0.44               | 0.52               | 0.59               | 0.59               | 0.68               | 0.47               | 0.55               | 0.63               | 0.63               | 0.72               |
|                  |                    | PI            | 1.71               | 1.71               | 1.71               | 1.71               | 1.72               | 1.81               | 1.81               | 1.82               | 1.82               | 1.82               | 1.92               | 1.92               | 1.92               | 1.92               | 1.93               | 1.93               | 2.04               | 2.04               | 2.04               | 2.04               |
|                  | -4°F<br>(-20.0°C)  | TC            | 26827              | 26863              | 26892              | 26893              | 26930              | 28444              | 28478              | 28506              | 28511              | 28545              | 30143              | 30183              | 30216              | 30222              | 30255              | 31960              | 31994              | 32029              | 32034              | 32074              |
|                  |                    | S/T           | 0.40               | 0.47               | 0.53               | 0.53               | 0.61               | 0.42               | 0.50               | 0.56               | 0.56               | 0.64               | 0.45               | 0.52               | 0.60               | 0.60               | 0.68               | 0.47               | 0.56               | 0.63               | 0.63               | 0.72               |
|                  |                    | PI            | 1.84               | 1.84               | 1.84               | 1.84               | 1.84               | 1.85               | 1.95               | 1.95               | 1.96               | 1.96               | 1.96               | 2.07               | 2.07               | 2.07               | 2.07               | 2.08               | 2.19               | 2.19               | 2.20               | 2.20               |
|                  | 0°F<br>(-17.8°C)   | TC            | 27679              | 27716              | 27746              | 27747              | 27785              | 29347              | 29382              | 29411              | 29417              | 29451              | 31100              | 31141              | 31175              | 31181              | 31216              | 32974              | 33010              | 33046              | 33051              | 33092              |
|                  |                    | S/T           | 0.40               | 0.47               | 0.53               | 0.53               | 0.61               | 0.42               | 0.50               | 0.56               | 0.56               | 0.64               | 0.45               | 0.53               | 0.60               | 0.60               | 0.68               | 0.48               | 0.56               | 0.63               | 0.63               | 0.72               |
|                  |                    | PI            | 1.90               | 1.90               | 1.90               | 1.90               | 1.91               | 2.01               | 2.02               | 2.02               | 2.02               | 2.02               | 2.13               | 2.14               | 2.14               | 2.14               | 2.14               | 2.26               | 2.26               | 2.27               | 2.27               | 2.27               |
|                  | 5°F<br>(-15.0°C)   | TC            | 28743              | 28782              | 28813              | 28814              | 28853              | 30476              | 30512              | 30542              | 30548              | 30584              | 32296              | 32338              | 32374              | 32380              | 32417              | 34242              | 34280              | 34317              | 34322              | 34365              |
|                  |                    | S/T           | 0.40               | 0.47               | 0.53               | 0.53               | 0.61               | 0.43               | 0.50               | 0.57               | 0.57               | 0.65               | 0.45               | 0.53               | 0.60               | 0.60               | 0.69               | 0.48               | 0.56               | 0.64               | 0.64               | 0.73               |
|                  |                    | PI            | 1.97               | 1.97               | 1.98               | 1.98               | 1.98               | 2.09               | 2.09               | 2.10               | 2.10               | 2.10               | 2.22               | 2.22               | 2.22               | 2.22               | 2.22               | 2.35               | 2.35               | 2.35               | 2.35               | 2.36               |
|                  | 14°F<br>(-10.0°C)  | TC            | 28492              | 28530              | 28561              | 28562              | 28601              | 30209              | 30245              | 30275              | 30281              | 30317              | 32014              | 32056              | 32091              | 32097              | 32133              | 33943              | 33980              | 34017              | 34022              | 34064              |
|                  |                    | S/T           | 0.40               | 0.47               | 0.54               | 0.54               | 0.61               | 0.43               | 0.50               | 0.57               | 0.57               | 0.65               | 0.45               | 0.53               | 0.60               | 0.60               | 0.69               | 0.48               | 0.56               | 0.64               | 0.64               | 0.73               |
|                  |                    | PI            | 1.92               | 1.92               | 1.92               | 1.92               | 1.92               | 2.03               | 2.03               | 2.03               | 2.04               | 2.04               | 2.15               | 2.15               | 2.15               | 2.16               | 2.16               | 2.28               | 2.28               | 2.29               | 2.29               | 2.29               |
|                  | 17°F<br>(-8.3°C)   | TC            | 28408              | 28446              | 28477              | 28478              | 28517              | 30120              | 30156              | 30186              | 30192              | 30228              | 31920              | 31961              | 31997              | 32003              | 32039              | 33843              | 33880              | 33917              | 33922              | 33964              |
|                  |                    | S/T           | 0.40               | 0.47               | 0.54               | 0.54               | 0.61               | 0.43               | 0.50               | 0.57               | 0.57               | 0.65               | 0.45               | 0.53               | 0.60               | 0.60               | 0.69               | 0.48               | 0.56               | 0.64               | 0.64               | 0.73               |
|                  |                    | PI            | 1.90               | 1.90               | 1.90               | 1.90               | 1.90               | 2.01               | 2.01               | 2.01               | 2.02               | 2.02               | 2.13               | 2.13               | 2.13               | 2.14               | 2.14               | 2.26               | 2.26               | 2.26               | 2.26               | 2.27               |
|                  | 23°F<br>(-5.0°C)   | TC            | 30481              | 30522              | 30554              | 30556              | 30597              | 32317              | 32356              | 32388              | 32394              | 32433              | 34248              | 34293              | 34331              | 34337              | 34376              | 36312              | 36351              | 36391              | 36396              | 36442              |
|                  |                    | S/T           | 0.41               | 0.48               | 0.54               | 0.54               | 0.62               | 0.43               | 0.50               | 0.57               | 0.57               | 0.65               | 0.46               | 0.53               | 0.61               | 0.61               | 0.69               | 0.48               | 0.57               | 0.64               | 0.64               | 0.73               |
|                  |                    | PI            | 1.74               | 1.74               | 1.75               | 1.75               | 1.75               | 1.85               | 1.85               | 1.85               | 1.85               | 1.85               | 1.96               | 1.96               | 1.96               | 1.96               | 1.96               | 2.08               | 2.08               | 2.08               | 2.08               | 2.08               |
|                  | 35°F<br>(1.7°C)    | TC            | 34625              | 34672              | 34709              | 34711              | 34758              | 36712              | 36755              | 36792              | 36799              | 36843              | 38905              | 38956              | 38999              | 39006              | 39050              | 41249              | 41294              | 41339              | 41346              | 41397              |
|                  |                    | S/T           | 0.41               | 0.48               | 0.54               | 0.54               | 0.62               | 0.43               | 0.51               | 0.58               | 0.58               | 0.66               | 0.46               | 0.54               | 0.61               | 0.61               | 0.70               | 0.49               | 0.57               | 0.65               | 0.65               | 0.74               |
|                  |                    | PI            | 1.43               | 1.44               | 1.44               | 1.44               | 1.44               | 1.52               | 1.52               | 1.52               | 1.52               | 1.53               | 1.61               | 1.61               | 1.61               | 1.61               | 1.62               | 1.71               | 1.71               | 1.71               | 1.71               | 1.71               |
|                  | 41°F<br>(5.0°C)    | TC            | 34047              | 34093              | 34130              | 34131              | 34177              | 36099              | 36142              | 36178              | 36185              | 36228              | 38256              | 38306              | 38348              | 38355              | 38398              | 40561              | 40605              | 40649              | 40656              | 40706              |
|                  |                    | S/T           | 0.41               | 0.48               | 0.54               | 0.54               | 0.62               | 0.43               | 0.51               | 0.58               | 0.58               | 0.66               | 0.46               | 0.54               | 0.61               | 0.61               | 0.70               | 0.49               | 0.57               | 0.65               | 0.65               | 0.74               |
|                  |                    | PI            | 1.44               | 1.44               | 1.44               | 1.44               | 1.44               | 1.52               | 1.53               | 1.53               | 1.53               | 1.53               | 1.62               | 1.62               | 1.62               | 1.62               | 1.62               | 1.71               | 1.71               | 1.72               | 1.72               | 1.72               |
|                  | 47°F<br>(8.3°C)    | TC            | 33469              | 33514              | 33551              | 33552              | 33597              | 35486              | 35528              | 35564              | 35571              | 35613              | 37607              | 37655              | 37697              | 37704              | 37746              | 39872              | 39916              | 39959              | 39965              | 40015              |
|                  |                    | S/T           | 0.41               | 0.48               | 0.55               | 0.55               | 0.62               | 0.43               | 0.51               | 0.58               | 0.58               | 0.66               | 0.46               | 0.54               | 0.61               | 0.61               | 0.70               | 0.49               | 0.57               | 0.65               | 0.65               | 0.74               |
|                  |                    | PI            | 1.44               | 1.44               | 1.45               | 1.45               | 1.45               | 1.53               | 1.53               | 1.53               | 1.53               | 1.53               | 1.62               | 1.62               | 1.62               | 1.62               | 1.63               | 1.72               | 1.72               | 1.72               | 1.72               | 1.72               |
|                  | 50°F<br>(10.0°C)   | TC            | 33285              | 33330              | 33366              | 33367              | 33412              | 35291              | 35333              | 35368              | 35375              | 35417              | 37399              | 37448              | 37490              | 37497              | 37539              | 39653              | 39696              | 39739              | 39745              | 39795              |
|                  |                    | S/T           | 0.41               | 0.48               | 0.55               | 0.55               | 0.63               | 0.44               | 0.51               | 0.58               | 0.58               | 0.66               | 0.46               | 0.54               | 0.62               | 0.62               | 0.70               | 0.49               | 0.57               | 0.65               | 0.65               | 0.74               |
|                  |                    | PI            | 1.47               | 1.48               | 1.48               | 1.48               | 1.48               | 1.56               | 1.56               | 1.57               | 1.57               | 1.57               | 1.66               | 1.66               | 1.66               | 1.66               | 1.66               | 1.76               | 1.76               | 1.76               | 1.76               | 1.76               |
|                  | 59°F<br>(15.0°C)   | TC            | 32732              | 32776              | 32811              | 32813              | 32857              | 34705              | 34746              | 34780              | 34787              | 34828              | 36778              | 36826              | 36867              | 36874              | 36915              | 38994              | 39036              | 39079              | 39085              | 39134              |
|                  |                    | S/T           | 0.41               | 0.49               | 0.55               | 0.55               | 0.63               | 0.44               | 0.51               | 0.58               | 0.58               | 0.67               | 0.46               | 0.55               | 0.62               | 0.62               | 0.71               | 0.49               | 0.58               | 0.66               | 0.66               | 0.75               |
|                  |                    | PI            | 1.57               | 1.57               | 1.57               | 1.57               | 1.58               | 1.66               | 1.67               | 1.67               | 1.67               | 1.67               | 1.76               | 1.77               | 1.77               | 1.77               | 1.77               | 1.87               | 1.87               | 1.87               | 1.87               | 1.88               |
|                  | 68°F<br>(20.0°C)   | TC            | 32179              | 32222              | 32257              | 32258              | 32302              | 34118              | 34159              | 34192              | 34199              | 34240              | 36157              | 36204              | 36244              | 36251              | 36291              | 38335              | 38377              | 38419              | 38425              | 38472              |
|                  |                    | S/T           | 0.42               | 0.50               | 0.57               | 0.57               | 0.65               | 0.45               | 0.53               | 0.60               | 0.60               | 0.68               | 0.48               | 0.56               | 0.64               | 0.64               | 0.72               | 0.51               | 0.59               | 0.67               | 0.67               | 0.77               |
|                  |                    | PI            | 1.67               | 1.67               | 1.67               | 1.67               | 1.67               | 1.77               | 1.77               | 1.77               | 1.77               | 1.77               | 1.87               | 1.87               | 1.87               | 1.88               | 1.88               | 1.98               | 1.99               | 1.99               | 1.99               | 1.99               |
|                  | 77°F<br>(25.0°C)   | TC            | 31626              | 31669              | 31703              | 31704              | 31747              | 33532              | 33572              | 33605              | 33611              | 33651              | 35535              | 35581              | 35621              | 35628              | 35667              | 37676              | 37717              | 37758              | 37764              | 37811              |
|                  |                    | S/T           | 0.43               | 0.50               | 0.57               | 0.57               | 0.65               | 0.46               | 0.53               | 0.61               | 0.61               | 0.69               | 0.48               | 0.57               | 0.64               | 0.64               | 0.73               | 0.51               | 0.60               | 0.68               | 0.68               | 0.78               |
|                  |                    | PI            | 1.76               | 1.76               | 1.77               | 1.77               | 1.77               | 1.87               | 1.87               | 1.87               | 1.87               | 1.87               | 1.98               | 1.98               | 1.98               | 1.98               | 1.99               | 2.10               | 2.10               | 2.10               | 2.10               | 2.11               |
|                  | 82°F<br>(27.8°C)   | TC            | 31097              | 31139              | 31173              | 31174              | 31216              | 32971              | 33010              | 33043              | 33049              | 33089              | 34941              | 34986              | 35025              | 35032              | 35071              | 37046              | 37087              | 37127              | 37133              | 37179              |
|                  |                    | S/T           | 0.44               | 0.51               | 0.58               | 0.58               | 0.66               | 0.46               | 0.54               | 0.62               | 0.62               | 0.70               | 0.49               | 0.57               | 0.65               | 0.65               | 0.74               | 0.52               | 0.61               | 0.69               | 0.69               | 0.79               |
|                  |                    | PI            | 1.93               | 1.93               | 1.93               | 1.93               | 1.93               | 2.04               | 2.04               | 2.05               | 2.05               | 2.05               | 2.16               | 2.17               | 2.17               | 2.17               | 2.17               | 2.29               | 2.30               | 2.30               | 2.30               | 2.30               |
|                  | 86°F<br>(30.0°C)   | TC            | 30394              | 30435              | 30468              | 30470              | 30511              | 32226              | 32264              | 32296              | 32303              | 32341              | 34152              | 34196              | 34234              | 34240              | 34279              | 36209              | 36249              | 36288              | 36294              | 36339              |
|                  |                    | S/T           | 0.44               | 0.52               | 0.59               | 0.59               | 0.67               | 0.47               | 0.55               | 0.62               | 0.62               | 0.71               | 0.50               | 0.58               | 0.66               | 0.66               | 0.75               | 0.53               | 0.62               | 0.70               | 0.70               | 0.80               |
|                  |                    | PI            | 2.20               | 2.20               | 2.20               | 2.20               | 2.21               | 2.33               | 2.33               | 2.33               | 2.33               | 2.34               | 2.47               | 2.47               | 2.47               | 2.47               | 2.47               | 2.48               | 2.62               | 2.62               | 2.62               | 2                  |

## COOLING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 33 (Sheet 2 of 4)

| AIRFLOW<br>(CFM) | OUTDOOR<br>DB(°F)  | ID WB<br>(°F) | 60.8°F(16.0°C) |                    |                    |                    |                    | 64.4°F(18.0°C)     |                    |                    |                    |                    | 67°F(19.4°C)       |                    |                    |                    |                    | 71.6°F(22.0°C)     |                    |                    |                    |                    |
|------------------|--------------------|---------------|----------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                  |                    |               | ID DB<br>(°F)  | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) |
| 971              | -22°F<br>(-30.0°C) | TC            | 24509          | 24542              | 24568              | 24570              | 24603              | 25986              | 26017              | 26043              | 26048              | 26079              | 27539              | 27574              | 27605              | 27610              | 27641              | 29198              | 29230              | 29261              | 29266              | 29302              |
|                  |                    | S/T           | 0.42           | 0.49               | 0.56               | 0.56               | 0.64               | 0.44               | 0.52               | 0.59               | 0.59               | 0.68               | 0.47               | 0.55               | 0.63               | 0.63               | 0.72               | 0.50               | 0.59               | 0.67               | 0.67               | 0.76               |
|                  |                    | PI            | 1.68           | 1.68               | 1.69               | 1.69               | 1.69               | 1.78               | 1.78               | 1.79               | 1.79               | 1.79               | 1.89               | 1.89               | 1.89               | 1.89               | 1.90               | 2.00               | 2.01               | 2.01               | 2.01               | 2.01               |
|                  | -13°F<br>(-25.0°C) | TC            | 26551          | 26587              | 26616              | 26617              | 26653              | 28152              | 28185              | 28213              | 28218              | 28252              | 29833              | 29872              | 29905              | 29911              | 29944              | 31631              | 31665              | 31700              | 31705              | 31744              |
|                  |                    | S/T           | 0.42           | 0.50               | 0.56               | 0.56               | 0.64               | 0.45               | 0.52               | 0.60               | 0.60               | 0.68               | 0.47               | 0.56               | 0.63               | 0.63               | 0.72               | 0.50               | 0.59               | 0.67               | 0.67               | 0.76               |
|                  |                    | PI            | 1.82           | 1.82               | 1.83               | 1.83               | 1.83               | 1.93               | 1.93               | 1.94               | 1.94               | 1.94               | 2.05               | 2.05               | 2.05               | 2.05               | 2.05               | 2.17               | 2.17               | 2.17               | 2.17               | 2.18               |
|                  | -4°F<br>(-20.0°C)  | TC            | 28594          | 28632              | 28663              | 28664              | 28703              | 30317              | 30353              | 30383              | 30389              | 30425              | 32128              | 32170              | 32206              | 32212              | 32248              | 34064              | 34101              | 34138              | 34144              | 34186              |
|                  |                    | S/T           | 0.42           | 0.50               | 0.57               | 0.57               | 0.64               | 0.45               | 0.53               | 0.60               | 0.60               | 0.68               | 0.48               | 0.56               | 0.64               | 0.64               | 0.72               | 0.51               | 0.59               | 0.67               | 0.67               | 0.77               |
|                  |                    | PI            | 1.96           | 1.96               | 1.97               | 1.97               | 1.97               | 2.08               | 2.08               | 2.08               | 2.08               | 2.09               | 2.20               | 2.21               | 2.21               | 2.21               | 2.21               | 2.34               | 2.34               | 2.34               | 2.34               | 2.35               |
|                  | 0°F<br>(-17.8°C)   | TC            | 29502          | 29541              | 29573              | 29574              | 29614              | 31279              | 31317              | 31347              | 31354              | 31391              | 33148              | 33191              | 33228              | 33234              | 33272              | 35146              | 35184              | 35222              | 35227              | 35271              |
|                  |                    | S/T           | 0.43           | 0.50               | 0.57               | 0.57               | 0.65               | 0.45               | 0.53               | 0.60               | 0.60               | 0.69               | 0.48               | 0.56               | 0.64               | 0.64               | 0.73               | 0.51               | 0.59               | 0.68               | 0.68               | 0.77               |
|                  |                    | PI            | 2.02           | 2.03               | 2.03               | 2.03               | 2.03               | 2.15               | 2.15               | 2.15               | 2.15               | 2.15               | 2.27               | 2.28               | 2.28               | 2.28               | 2.28               | 2.41               | 2.41               | 2.42               | 2.42               | 2.42               |
|                  | 5°F<br>(-15.0°C)   | TC            | 30636          | 30677              | 30710              | 30712              | 30753              | 32483              | 32521              | 32553              | 32560              | 32598              | 34423              | 34468              | 34506              | 34513              | 34551              | 36497              | 36537              | 36577              | 36582              | 36628              |
|                  |                    | S/T           | 0.43           | 0.50               | 0.57               | 0.57               | 0.65               | 0.45               | 0.53               | 0.60               | 0.60               | 0.69               | 0.48               | 0.56               | 0.64               | 0.64               | 0.73               | 0.51               | 0.60               | 0.68               | 0.68               | 0.77               |
|                  |                    | PI            | 2.10           | 2.10               | 2.11               | 2.11               | 2.11               | 2.23               | 2.23               | 2.23               | 2.23               | 2.24               | 2.36               | 2.36               | 2.37               | 2.37               | 2.37               | 2.50               | 2.51               | 2.51               | 2.51               | 2.51               |
|                  | 14°F<br>(-10.0°C)  | TC            | 30368          | 30409              | 30442              | 30443              | 30484              | 32198              | 32237              | 32268              | 32275              | 32313              | 34122              | 34166              | 34204              | 34211              | 34249              | 36178              | 36217              | 36257              | 36262              | 36308              |
|                  |                    | S/T           | 0.43           | 0.50               | 0.57               | 0.57               | 0.65               | 0.45               | 0.53               | 0.61               | 0.61               | 0.69               | 0.48               | 0.56               | 0.64               | 0.64               | 0.73               | 0.51               | 0.60               | 0.68               | 0.68               | 0.78               |
|                  |                    | PI            | 2.04           | 2.04               | 2.05               | 2.05               | 2.05               | 2.16               | 2.17               | 2.17               | 2.17               | 2.17               | 2.29               | 2.30               | 2.30               | 2.30               | 2.30               | 2.43               | 2.43               | 2.44               | 2.44               | 2.44               |
|                  | 17°F<br>(-8.3°C)   | TC            | 30279          | 30320              | 30352              | 30354              | 30395              | 32104              | 32142              | 32173              | 32180              | 32218              | 34022              | 34066              | 34104              | 34110              | 34148              | 36072              | 36111              | 36150              | 36156              | 36201              |
|                  |                    | S/T           | 0.43           | 0.50               | 0.57               | 0.57               | 0.65               | 0.46               | 0.53               | 0.61               | 0.61               | 0.69               | 0.48               | 0.57               | 0.64               | 0.64               | 0.73               | 0.51               | 0.60               | 0.68               | 0.68               | 0.78               |
|                  |                    | PI            | 2.02           | 2.02               | 2.03               | 2.03               | 2.03               | 2.14               | 2.15               | 2.15               | 2.15               | 2.15               | 2.27               | 2.27               | 2.28               | 2.28               | 2.28               | 2.41               | 2.41               | 2.41               | 2.41               | 2.42               |
|                  | 23°F<br>(-5.0°C)   | TC            | 32488          | 32531              | 32566              | 32568              | 32612              | 34446              | 34486              | 34520              | 34527              | 34568              | 36504              | 36551              | 36592              | 36598              | 36639              | 38703              | 38745              | 38787              | 38793              | 38842              |
|                  |                    | S/T           | 0.43           | 0.51               | 0.58               | 0.58               | 0.66               | 0.46               | 0.54               | 0.61               | 0.61               | 0.70               | 0.49               | 0.57               | 0.65               | 0.65               | 0.74               | 0.51               | 0.60               | 0.69               | 0.69               | 0.78               |
|                  |                    | PI            | 1.86           | 1.86               | 1.86               | 1.86               | 1.86               | 1.97               | 1.97               | 1.97               | 1.97               | 1.97               | 2.09               | 2.09               | 2.09               | 2.09               | 2.09               | 2.21               | 2.21               | 2.22               | 2.22               | 2.22               |
|                  | 35°F<br>(1.7°C)    | TC            | 36905          | 36955              | 36995              | 36996              | 37046              | 39129              | 39176              | 39214              | 39222              | 39269              | 41467              | 41521              | 41567              | 41575              | 41621              | 43966              | 44014              | 44061              | 44068              | 44123              |
|                  |                    | S/T           | 0.43           | 0.51               | 0.58               | 0.58               | 0.66               | 0.46               | 0.54               | 0.61               | 0.61               | 0.70               | 0.49               | 0.57               | 0.65               | 0.65               | 0.74               | 0.52               | 0.61               | 0.69               | 0.69               | 0.79               |
|                  |                    | PI            | 1.53           | 1.53               | 1.53               | 1.53               | 1.53               | 1.62               | 1.62               | 1.62               | 1.62               | 1.63               | 1.72               | 1.72               | 1.72               | 1.72               | 1.72               | 1.82               | 1.82               | 1.82               | 1.82               | 1.83               |
|                  | 41°F<br>(5.0°C)    | TC            | 36289          | 36338              | 36377              | 36379              | 36428              | 38476              | 38522              | 38560              | 38568              | 38613              | 40775              | 40828              | 40874              | 40881              | 40927              | 43232              | 43279              | 43326              | 43333              | 43387              |
|                  |                    | S/T           | 0.43           | 0.51               | 0.58               | 0.58               | 0.66               | 0.46               | 0.54               | 0.61               | 0.61               | 0.70               | 0.49               | 0.57               | 0.65               | 0.65               | 0.74               | 0.52               | 0.61               | 0.69               | 0.69               | 0.79               |
|                  |                    | PI            | 1.53           | 1.53               | 1.54               | 1.54               | 1.54               | 1.62               | 1.63               | 1.63               | 1.63               | 1.63               | 1.72               | 1.72               | 1.73               | 1.73               | 1.73               | 1.83               | 1.83               | 1.83               | 1.83               | 1.83               |
|                  | 47°F<br>(8.3°C)    | TC            | 35673          | 35721              | 35760              | 35761              | 35810              | 37823              | 37868              | 37905              | 37913              | 37958              | 40083              | 40135              | 40180              | 40187              | 40232              | 42498              | 42544              | 42591              | 42597              | 42650              |
|                  |                    | S/T           | 0.44           | 0.51               | 0.58               | 0.58               | 0.66               | 0.46               | 0.54               | 0.62               | 0.62               | 0.70               | 0.49               | 0.58               | 0.65               | 0.65               | 0.75               | 0.52               | 0.61               | 0.69               | 0.69               | 0.79               |
|                  |                    | PI            | 1.54           | 1.54               | 1.54               | 1.54               | 1.54               | 1.63               | 1.63               | 1.63               | 1.63               | 1.64               | 1.73               | 1.73               | 1.73               | 1.73               | 1.73               | 1.83               | 1.83               | 1.84               | 1.84               | 1.84               |
|                  | 50°F<br>(10.0°C)   | TC            | 35477          | 35525              | 35563              | 35564              | 35612              | 37615              | 37659              | 37697              | 37704              | 37749              | 39862              | 39914              | 39958              | 39966              | 40011              | 42264              | 42310              | 42356              | 42363              | 42415              |
|                  |                    | S/T           | 0.44           | 0.51               | 0.58               | 0.58               | 0.67               | 0.46               | 0.55               | 0.62               | 0.62               | 0.71               | 0.49               | 0.58               | 0.66               | 0.66               | 0.75               | 0.52               | 0.61               | 0.70               | 0.70               | 0.79               |
|                  |                    | PI            | 1.57           | 1.57               | 1.58               | 1.58               | 1.58               | 1.67               | 1.67               | 1.67               | 1.67               | 1.67               | 1.77               | 1.77               | 1.77               | 1.77               | 1.77               | 1.87               | 1.87               | 1.88               | 1.88               | 1.88               |
|                  | 59°F<br>(15.0°C)   | TC            | 34887          | 34934              | 34972              | 34974              | 35021              | 36990              | 37034              | 37070              | 37078              | 37122              | 39200              | 39251              | 39295              | 39302              | 39346              | 41562              | 41607              | 41652              | 41659              | 41711              |
|                  |                    | S/T           | 0.44           | 0.52               | 0.59               | 0.59               | 0.67               | 0.47               | 0.55               | 0.62               | 0.62               | 0.71               | 0.50               | 0.58               | 0.66               | 0.66               | 0.75               | 0.52               | 0.62               | 0.70               | 0.70               | 0.80               |
|                  |                    | PI            | 1.67           | 1.68               | 1.68               | 1.68               | 1.68               | 1.77               | 1.78               | 1.78               | 1.78               | 1.78               | 1.88               | 1.88               | 1.88               | 1.89               | 1.89               | 1.99               | 2.00               | 2.00               | 2.00               | 2.00               |
|                  | 68°F<br>(20.0°C)   | TC            | 34298          | 34344              | 34381              | 34383              | 34429              | 36365              | 36408              | 36444              | 36451              | 36494              | 38538              | 38588              | 38631              | 38638              | 38681              | 40860              | 40904              | 40948              | 40955              | 41006              |
|                  |                    | S/T           | 0.45           | 0.53               | 0.60               | 0.60               | 0.69               | 0.48               | 0.56               | 0.64               | 0.64               | 0.73               | 0.51               | 0.60               | 0.68               | 0.68               | 0.77               | 0.54               | 0.63               | 0.72               | 0.72               | 0.82               |
|                  |                    | PI            | 1.78           | 1.78               | 1.78               | 1.78               | 1.78               | 1.88               | 1.88               | 1.89               | 1.89               | 1.89               | 2.00               | 2.00               | 2.00               | 2.00               | 2.00               | 2.12               | 2.12               | 2.12               | 2.12               | 2.12               |
|                  | 77°F<br>(25.0°C)   | TC            | 33709          | 33754              | 33790              | 33792              | 33837              | 35740              | 35782              | 35818              | 35825              | 35867              | 37875              | 37924              | 37967              | 37974              | 38016              | 40157              | 40201              | 40245              | 40251              | 40301              |
|                  |                    | S/T           | 0.46           | 0.54               | 0.61               | 0.61               | 0.70               | 0.49               | 0.57               | 0.65               | 0.65               | 0.74               | 0.51               | 0.60               | 0.69               | 0.69               | 0.78               | 0.55               | 0.64               | 0.73               | 0.73               | 0.83               |
|                  |                    | PI            | 1.88           | 1.88               | 1.88               | 1.88               | 1.88               | 1.99               | 1.99               | 2.00               | 2.00               | 2.00               | 2.11               | 2.11               | 2.11               | 2.12               | 2.12               | 2.24               | 2.24               | 2.24               | 2.24               | 2.24               |
|                  | 82°F<br>(27.8°C)   | TC            | 33145          | 33189              | 33225              | 33227              | 33272              | 35142              | 35184              | 35219              | 35226              | 35268              | 37242              | 37290              | 37332              | 37339              | 37380              | 39486              | 39529              | 39572              | 39578              | 39627              |
|                  |                    | S/T           | 0.46           | 0.54               | 0.62               | 0.62               | 0.71               | 0.49               | 0.58               | 0.66               | 0.66               | 0.75               | 0.52               | 0.61               | 0.70               | 0.70               | 0.79               | 0.55               | 0.65               | 0.74               | 0.74               | 0.84               |
|                  |                    | PI            | 2.05           | 2.06               | 2.06               | 2.06               | 2.06               | 2.18               | 2.18               | 2.18               | 2.18               | 2.18               | 2.31               | 2.31               | 2.31               | 2.31               | 2.31               | 2.45               | 2.45               | 2.45               | 2.45               | 2.45               |
|                  | 86°F<br>(30.0°C)   | TC            | 32396          | 32440              | 32475              | 32476              | 32520              | 34348              | 34389              | 34423              | 34430              | 34471              | 36400              | 36448              | 36488              | 36495              | 36536              | 38594              | 38636              | 38678              | 38684              | 38732              |
|                  |                    | S/T           | 0.47           | 0.55               | 0.63               | 0.63               | 0.71               | 0.50               | 0.58               | 0.66               | 0.66               | 0.76               | 0.53               | 0.62               | 0.70               | 0.70               | 0.80               | 0.56               | 0.66               | 0.75               | 0.75               | 0.85               |
|                  |                    | PI            | 2.34           | 2.34               | 2.35               | 2.35               | 2.35               | 2.48               | 2.49               | 2.49               | 2.49               | 2.49               | 2.63               | 2.63               | 2.64               | 2.64               | 2.64               | 2.79               | 2.79</             |                    |                    |                    |

## COOLING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 33 (Sheet 3 of 4)

| AIRFLOW<br>(CFM) | OUTDOOR<br>DB(°F)  | ID WB<br>(°F) | 60.8°F(16.0°C) |                    |                    |                    |                    | 64.4°F(18.0°C)     |                    |                    |                    |                    | 67°F(19.4°C)       |                    |                    |                    |                    | 71.6°F(22.0°C)     |                    |                    |                    |                    |
|------------------|--------------------|---------------|----------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                  |                    |               | ID DB<br>(°F)  | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) |
| 1082             | -22°F<br>(-30.0°C) | TC            | 26123          | 26158              | 26186              | 26187              | 26223              | 27697              | 27730              | 27757              | 27763              | 27796              | 29352              | 29390              | 29423              | 29428              | 29461              | 31120              | 31154              | 31188              | 31193              | 31232              |
|                  |                    | S/T           | 0.45           | 0.52               | 0.60               | 0.60               | 0.68               | 0.47               | 0.56               | 0.63               | 0.63               | 0.72               | 0.50               | 0.59               | 0.67               | 0.67               | 0.76               | 0.53               | 0.62               | 0.71               | 0.71               | 0.81               |
|                  |                    | PI            | 1.79           | 1.79               | 1.80               | 1.80               | 1.80               | 1.90               | 1.90               | 1.90               | 1.90               | 1.91               | 2.01               | 2.02               | 2.02               | 2.02               | 2.02               | 2.13               | 2.14               | 2.14               | 2.14               | 2.14               |
|                  | -13°F<br>(-25.0°C) | TC            | 28300          | 28338              | 28368              | 28370              | 28408              | 30005              | 30041              | 30071              | 30076              | 30112              | 31798              | 31839              | 31875              | 31881              | 31916              | 33714              | 33751              | 33787              | 33793              | 33835              |
|                  |                    | S/T           | 0.45           | 0.53               | 0.60               | 0.60               | 0.68               | 0.48               | 0.56               | 0.64               | 0.64               | 0.72               | 0.51               | 0.59               | 0.67               | 0.67               | 0.77               | 0.54               | 0.63               | 0.71               | 0.71               | 0.81               |
|                  |                    | PI            | 1.94           | 1.94               | 1.95               | 1.95               | 1.95               | 2.06               | 2.06               | 2.06               | 2.06               | 2.07               | 2.18               | 2.18               | 2.19               | 2.19               | 2.19               | 2.31               | 2.32               | 2.32               | 2.32               | 2.32               |
|                  | -4°F<br>(-20.0°C)  | TC            | 30477          | 30518              | 30551              | 30552              | 30593              | 32313              | 32352              | 32384              | 32390              | 32428              | 34244              | 34288              | 34327              | 34333              | 34371              | 36307              | 36347              | 36386              | 36392              | 36437              |
|                  |                    | S/T           | 0.45           | 0.53               | 0.60               | 0.60               | 0.69               | 0.48               | 0.56               | 0.64               | 0.64               | 0.73               | 0.51               | 0.60               | 0.68               | 0.68               | 0.77               | 0.54               | 0.63               | 0.72               | 0.72               | 0.82               |
|                  |                    | PI            | 2.09           | 2.09               | 2.10               | 2.10               | 2.10               | 2.22               | 2.22               | 2.22               | 2.22               | 2.22               | 2.35               | 2.35               | 2.35               | 2.36               | 2.36               | 2.49               | 2.49               | 2.50               | 2.50               | 2.50               |
|                  | 0°F<br>(-17.8°C)   | TC            | 31444          | 31487              | 31520              | 31522              | 31564              | 33339              | 33379              | 33412              | 33418              | 33458              | 35331              | 35377              | 35416              | 35423              | 35463              | 37460              | 37501              | 37541              | 37547              | 37594              |
|                  |                    | S/T           | 0.45           | 0.53               | 0.60               | 0.60               | 0.69               | 0.48               | 0.56               | 0.64               | 0.64               | 0.73               | 0.51               | 0.60               | 0.68               | 0.68               | 0.77               | 0.54               | 0.63               | 0.72               | 0.72               | 0.82               |
|                  |                    | PI            | 2.16           | 2.16               | 2.16               | 2.16               | 2.17               | 2.29               | 2.29               | 2.29               | 2.29               | 2.30               | 2.42               | 2.43               | 2.43               | 2.43               | 2.43               | 2.57               | 2.57               | 2.58               | 2.58               | 2.58               |
|                  | 5°F<br>(-15.0°C)   | TC            | 32654          | 32698              | 32733              | 32734              | 32778              | 34622              | 34663              | 34697              | 34704              | 34745              | 36690              | 36738              | 36779              | 36785              | 36826              | 38901              | 38943              | 38985              | 38991              | 39040              |
|                  |                    | S/T           | 0.46           | 0.53               | 0.61               | 0.61               | 0.69               | 0.48               | 0.57               | 0.64               | 0.64               | 0.73               | 0.51               | 0.60               | 0.68               | 0.68               | 0.78               | 0.54               | 0.64               | 0.72               | 0.72               | 0.83               |
|                  |                    | PI            | 2.24           | 2.24               | 2.25               | 2.25               | 2.25               | 2.37               | 2.38               | 2.38               | 2.38               | 2.38               | 2.52               | 2.52               | 2.52               | 2.52               | 2.53               | 2.67               | 2.67               | 2.67               | 2.67               | 2.68               |
|                  | 14°F<br>(-10.0°C)  | TC            | 32368          | 32412              | 32446              | 32448              | 32492              | 34319              | 34359              | 34393              | 34400              | 34441              | 36369              | 36416              | 36457              | 36464              | 36504              | 38560              | 38602              | 38644              | 38650              | 38698              |
|                  |                    | S/T           | 0.46           | 0.54               | 0.61               | 0.61               | 0.69               | 0.48               | 0.57               | 0.65               | 0.65               | 0.74               | 0.51               | 0.60               | 0.68               | 0.68               | 0.78               | 0.54               | 0.64               | 0.73               | 0.73               | 0.83               |
|                  |                    | PI            | 2.18           | 2.18               | 2.18               | 2.18               | 2.18               | 2.31               | 2.31               | 2.31               | 2.31               | 2.31               | 2.44               | 2.45               | 2.45               | 2.45               | 2.45               | 2.59               | 2.59               | 2.60               | 2.60               | 2.60               |
|                  | 17°F<br>(-8.3°C)   | TC            | 32273          | 32316              | 32351              | 32352              | 32396              | 34218              | 34258              | 34292              | 34299              | 34340              | 36262              | 36309              | 36350              | 36356              | 36397              | 38447              | 38489              | 38531              | 38537              | 38585              |
|                  |                    | S/T           | 0.46           | 0.54               | 0.61               | 0.61               | 0.70               | 0.49               | 0.57               | 0.65               | 0.65               | 0.74               | 0.51               | 0.60               | 0.69               | 0.69               | 0.78               | 0.55               | 0.64               | 0.73               | 0.73               | 0.83               |
|                  |                    | PI            | 2.15           | 2.16               | 2.16               | 2.16               | 2.16               | 2.28               | 2.29               | 2.29               | 2.29               | 2.29               | 2.42               | 2.42               | 2.43               | 2.43               | 2.43               | 2.57               | 2.57               | 2.57               | 2.57               | 2.58               |
|                  | 23°F<br>(-5.0°C)   | TC            | 34627          | 34674              | 34711              | 34713              | 34759              | 36714              | 36757              | 36794              | 36801              | 36845              | 38907              | 38958              | 39001              | 39009              | 39052              | 41252              | 41296              | 41341              | 41348              | 41399              |
|                  |                    | S/T           | 0.46           | 0.54               | 0.61               | 0.61               | 0.70               | 0.49               | 0.57               | 0.65               | 0.65               | 0.74               | 0.52               | 0.61               | 0.69               | 0.69               | 0.79               | 0.55               | 0.64               | 0.73               | 0.73               | 0.83               |
|                  |                    | PI            | 1.98           | 1.98               | 1.98               | 1.98               | 1.99               | 2.10               | 2.10               | 2.10               | 2.10               | 2.11               | 2.22               | 2.23               | 2.23               | 2.23               | 2.23               | 2.36               | 2.36               | 2.36               | 2.36               | 2.37               |
|                  | 35°F<br>(1.7°C)    | TC            | 39336          | 39389              | 39431              | 39433              | 39486              | 41706              | 41756              | 41797              | 41805              | 41855              | 44198              | 44255              | 44305              | 44313              | 44362              | 46861              | 46912              | 46963              | 46970              | 47029              |
|                  |                    | S/T           | 0.46           | 0.54               | 0.62               | 0.62               | 0.70               | 0.49               | 0.58               | 0.65               | 0.65               | 0.75               | 0.52               | 0.61               | 0.69               | 0.69               | 0.79               | 0.55               | 0.65               | 0.73               | 0.73               | 0.84               |
|                  |                    | PI            | 1.63           | 1.63               | 1.63               | 1.63               | 1.63               | 1.73               | 1.73               | 1.73               | 1.73               | 1.73               | 1.83               | 1.83               | 1.83               | 1.83               | 1.84               | 1.94               | 1.94               | 1.94               | 1.94               | 1.95               |
|                  | 41°F<br>(5.0°C)    | TC            | 38679          | 38731              | 38773              | 38775              | 38827              | 41010              | 41059              | 41099              | 41107              | 41156              | 43460              | 43517              | 43565              | 43573              | 43622              | 46079              | 46129              | 46179              | 46186              | 46244              |
|                  |                    | S/T           | 0.46           | 0.54               | 0.62               | 0.62               | 0.70               | 0.49               | 0.58               | 0.66               | 0.66               | 0.75               | 0.52               | 0.61               | 0.69               | 0.69               | 0.79               | 0.55               | 0.65               | 0.74               | 0.74               | 0.84               |
|                  |                    | PI            | 1.63           | 1.64               | 1.64               | 1.64               | 1.64               | 1.73               | 1.73               | 1.74               | 1.74               | 1.74               | 1.84               | 1.84               | 1.84               | 1.84               | 1.84               | 1.95               | 1.95               | 1.95               | 1.95               | 1.95               |
|                  | 47°F<br>(8.3°C)    | TC            | 38023          | 38074              | 38115              | 38116              | 38168              | 40314              | 40362              | 40402              | 40410              | 40457              | 42722              | 42778              | 42826              | 42834              | 42881              | 45297              | 45346              | 45395              | 45402              | 45459              |
|                  |                    | S/T           | 0.47           | 0.55               | 0.62               | 0.62               | 0.71               | 0.49               | 0.58               | 0.66               | 0.66               | 0.75               | 0.52               | 0.61               | 0.70               | 0.70               | 0.79               | 0.55               | 0.65               | 0.74               | 0.74               | 0.84               |
|                  |                    | PI            | 1.64           | 1.64               | 1.64               | 1.64               | 1.64               | 1.74               | 1.74               | 1.74               | 1.74               | 1.74               | 1.84               | 1.84               | 1.85               | 1.85               | 1.85               | 1.95               | 1.95               | 1.96               | 1.96               | 1.96               |
|                  | 50°F<br>(10.0°C)   | TC            | 37813          | 37864              | 37905              | 37906              | 37958              | 40092              | 40139              | 40179              | 40187              | 40235              | 42487              | 42542              | 42590              | 42598              | 42645              | 45047              | 45096              | 45145              | 45152              | 45208              |
|                  |                    | S/T           | 0.47           | 0.55               | 0.62               | 0.62               | 0.71               | 0.50               | 0.58               | 0.66               | 0.66               | 0.75               | 0.53               | 0.62               | 0.70               | 0.70               | 0.80               | 0.56               | 0.65               | 0.74               | 0.74               | 0.85               |
|                  |                    | PI            | 1.67           | 1.68               | 1.68               | 1.68               | 1.68               | 1.78               | 1.78               | 1.78               | 1.78               | 1.78               | 1.88               | 1.88               | 1.88               | 1.89               | 1.89               | 2.00               | 2.00               | 2.00               | 2.00               | 2.00               |
|                  | 59°F<br>(15.0°C)   | TC            | 37185          | 37235              | 37275              | 37277              | 37327              | 39426              | 39472              | 39511              | 39519              | 39566              | 41781              | 41836              | 41882              | 41890              | 41937              | 44299              | 44347              | 44395              | 44402              | 44457              |
|                  |                    | S/T           | 0.47           | 0.55               | 0.63               | 0.63               | 0.71               | 0.50               | 0.58               | 0.66               | 0.66               | 0.76               | 0.53               | 0.62               | 0.70               | 0.70               | 0.80               | 0.56               | 0.66               | 0.75               | 0.75               | 0.85               |
|                  |                    | PI            | 1.78           | 1.79               | 1.79               | 1.79               | 1.79               | 1.89               | 1.89               | 1.90               | 1.90               | 1.90               | 2.00               | 2.01               | 2.01               | 2.01               | 2.01               | 2.12               | 2.13               | 2.13               | 2.13               | 2.13               |
|                  | 68°F<br>(20.0°C)   | TC            | 36557          | 36606              | 36645              | 36647              | 36696              | 38760              | 38806              | 38844              | 38852              | 38898              | 41075              | 41129              | 41174              | 41182              | 41228              | 43550              | 43598              | 43645              | 43652              | 43706              |
|                  |                    | S/T           | 0.48           | 0.57               | 0.64               | 0.64               | 0.73               | 0.51               | 0.60               | 0.68               | 0.68               | 0.78               | 0.54               | 0.64               | 0.72               | 0.72               | 0.82               | 0.57               | 0.67               | 0.77               | 0.77               | 0.87               |
|                  |                    | PI            | 1.89           | 1.90               | 1.90               | 1.90               | 1.90               | 2.01               | 2.01               | 2.01               | 2.01               | 2.01               | 2.13               | 2.13               | 2.13               | 2.13               | 2.13               | 2.25               | 2.26               | 2.26               | 2.26               | 2.26               |
|                  | 77°F<br>(25.0°C)   | TC            | 35928          | 35977              | 36015              | 36017              | 36066              | 38094              | 38139              | 38176              | 38184              | 38229              | 40369              | 40422              | 40467              | 40474              | 40520              | 42802              | 42848              | 42895              | 42902              | 42955              |
|                  |                    | S/T           | 0.49           | 0.57               | 0.65               | 0.65               | 0.74               | 0.52               | 0.61               | 0.69               | 0.69               | 0.79               | 0.55               | 0.64               | 0.73               | 0.73               | 0.83               | 0.58               | 0.68               | 0.78               | 0.78               | 0.88               |
|                  |                    | PI            | 2.00           | 2.00               | 2.01               | 2.01               | 2.01               | 2.12               | 2.12               | 2.13               | 2.13               | 2.13               | 2.25               | 2.25               | 2.25               | 2.25               | 2.26               | 2.38               | 2.39               | 2.39               | 2.39               | 2.39               |
|                  | 82°F<br>(27.8°C)   | TC            | 35328          | 35375              | 35413              | 35415              | 35462              | 37457              | 37501              | 37538              | 37545              | 37590              | 39694              | 39746              | 39790              | 39798              | 39842              | 42086              | 42132              | 42178              | 42184              | 42237              |
|                  |                    | S/T           | 0.49           | 0.58               | 0.66               | 0.66               | 0.75               | 0.52               | 0.62               | 0.70               | 0.70               | 0.80               | 0.56               | 0.65               | 0.74               | 0.74               | 0.84               | 0.59               | 0.69               | 0.79               | 0.79               | 0.90               |
|                  |                    | PI            | 2.19           | 2.19               | 2.19               | 2.19               | 2.20               | 2.32               | 2.32               | 2.32               | 2.33               | 2.33               | 2.46               | 2.46               | 2.46               | 2.46               | 2.47               | 2.61               | 2.61               | 2.61               | 2.61               | 2.62               |
|                  | 86°F<br>(30.0°C)   | TC            | 34529          | 34576              | 34613              | 34615              | 34661              | 36610              | 36654              | 36690              | 36697              | 36741              | 38797              | 38848              | 38891              | 38898              | 38942              | 41135              | 41180              | 41225              | 41231              | 41282              |
|                  |                    | S/T           | 0.50           | 0.59               | 0.67               | 0.67               | 0.76               | 0.53               | 0.62               | 0.71               | 0.71               | 0.81               | 0.56               | 0.66               | 0.75               | 0.75               | 0.86               | 0.60               | 0.70               | 0.80               | 0.80               | 0.91               |
|                  |                    | PI            | 2.50           | 2.50               | 2.50               | 2.50               | 2.51               | 2.65               | 2.65               | 2.65               | 2.65               | 2.66               | 2.80               | 2.81               | 2.81               | 2.81               | 2.81               | 2.97               | 2                  |                    |                    |                    |

COOLING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 33 (Sheet 4 of 4)

| AIRFLOW<br>(CFM) | OUTDOOR<br>DB(°F)  | ID WB<br>(°F) | 60.8°F(16.0°C)     |                    |                    |                    |                    | 64.4°F(18.0°C)     |                    |                    |                    |                    | 67°F(19.4°C)       |                    |                    |                    |                    | 71.6°F(22.0°C)     |                    |                    |                    |                    |
|------------------|--------------------|---------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                  |                    | ID DB<br>(°F) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) |
| 1188             | -22°F<br>(-30.0°C) | TC            | 27843              | 27881              | 27911              | 27912              | 27950              | 29521              | 29556              | 29585              | 29591              | 29626              | 31285              | 31325              | 31360              | 31366              | 31401              | 33170              | 33206              | 33242              | 33247              | 33289              |
|                  |                    | S/T           | 0.48               | 0.56               | 0.63               | 0.63               | 0.72               | 0.50               | 0.59               | 0.67               | 0.67               | 0.77               | 0.53               | 0.63               | 0.71               | 0.71               | 0.81               | 0.57               | 0.67               | 0.76               | 0.76               | 0.86               |
|                  |                    | PI            | 1.91               | 1.91               | 1.91               | 1.91               | 1.92               | 2.03               | 2.03               | 2.03               | 2.03               | 2.03               | 2.15               | 2.15               | 2.15               | 2.15               | 2.15               | 2.28               | 2.28               | 2.28               | 2.28               | 2.28               |
|                  | -13°F<br>(-25.0°C) | TC            | 30163              | 30204              | 30237              | 30238              | 30279              | 31981              | 32019              | 32051              | 32057              | 32095              | 33892              | 33936              | 33974              | 33980              | 34018              | 35934              | 35973              | 36012              | 36018              | 36063              |
|                  |                    | S/T           | 0.48               | 0.56               | 0.64               | 0.64               | 0.73               | 0.51               | 0.60               | 0.68               | 0.68               | 0.77               | 0.54               | 0.63               | 0.72               | 0.72               | 0.82               | 0.57               | 0.67               | 0.76               | 0.76               | 0.87               |
|                  |                    | PI            | 2.07               | 2.07               | 2.07               | 2.07               | 2.08               | 2.19               | 2.20               | 2.20               | 2.20               | 2.20               | 2.32               | 2.33               | 2.33               | 2.33               | 2.33               | 2.46               | 2.47               | 2.47               | 2.47               | 2.47               |
|                  | -4°F<br>(-20.0°C)  | TC            | 32484              | 32527              | 32562              | 32564              | 32608              | 34441              | 34482              | 34516              | 34523              | 34564              | 36499              | 36546              | 36587              | 36594              | 36635              | 38698              | 38740              | 38782              | 38788              | 38837              |
|                  |                    | S/T           | 0.48               | 0.57               | 0.64               | 0.64               | 0.73               | 0.51               | 0.60               | 0.68               | 0.68               | 0.78               | 0.54               | 0.64               | 0.72               | 0.72               | 0.82               | 0.57               | 0.67               | 0.77               | 0.77               | 0.87               |
|                  |                    | PI            | 2.23               | 2.23               | 2.23               | 2.23               | 2.24               | 2.36               | 2.37               | 2.37               | 2.37               | 2.37               | 2.50               | 2.51               | 2.51               | 2.51               | 2.51               | 2.65               | 2.66               | 2.66               | 2.66               | 2.66               |
|                  | 0°F<br>(-17.8°C)   | TC            | 33515              | 33560              | 33596              | 33598              | 33643              | 35535              | 35577              | 35612              | 35619              | 35661              | 37658              | 37707              | 37749              | 37756              | 37798              | 39927              | 39970              | 40014              | 40020              | 40070              |
|                  |                    | S/T           | 0.48               | 0.57               | 0.64               | 0.64               | 0.73               | 0.51               | 0.60               | 0.68               | 0.68               | 0.78               | 0.54               | 0.64               | 0.72               | 0.72               | 0.83               | 0.58               | 0.68               | 0.77               | 0.77               | 0.88               |
|                  |                    | PI            | 2.30               | 2.30               | 2.30               | 2.30               | 2.31               | 2.44               | 2.44               | 2.44               | 2.44               | 2.45               | 2.58               | 2.59               | 2.59               | 2.59               | 2.59               | 2.74               | 2.74               | 2.74               | 2.75               | 2.75               |
|                  | 5°F<br>(-15.0°C)   | TC            | 34804              | 34851              | 34888              | 34890              | 34937              | 36901              | 36945              | 36982              | 36989              | 37033              | 39106              | 39157              | 39200              | 39208              | 39252              | 41462              | 41507              | 41552              | 41559              | 41611              |
|                  |                    | S/T           | 0.49               | 0.57               | 0.65               | 0.65               | 0.74               | 0.51               | 0.60               | 0.69               | 0.69               | 0.78               | 0.55               | 0.64               | 0.73               | 0.73               | 0.83               | 0.58               | 0.68               | 0.77               | 0.77               | 0.88               |
|                  |                    | PI            | 2.39               | 2.39               | 2.39               | 2.39               | 2.40               | 2.53               | 2.53               | 2.54               | 2.54               | 2.54               | 2.68               | 2.69               | 2.69               | 2.69               | 2.69               | 2.84               | 2.85               | 2.85               | 2.85               | 2.85               |
|                  | 14°F<br>(-10.0°C)  | TC            | 34499              | 34546              | 34583              | 34585              | 34631              | 36579              | 36622              | 36658              | 36665              | 36709              | 38764              | 38814              | 38858              | 38865              | 38908              | 41100              | 41144              | 41189              | 41195              | 41247              |
|                  |                    | S/T           | 0.49               | 0.57               | 0.65               | 0.65               | 0.74               | 0.52               | 0.61               | 0.69               | 0.69               | 0.78               | 0.55               | 0.64               | 0.73               | 0.73               | 0.83               | 0.58               | 0.68               | 0.77               | 0.77               | 0.88               |
|                  |                    | PI            | 2.32               | 2.32               | 2.32               | 2.32               | 2.33               | 2.46               | 2.46               | 2.46               | 2.46               | 2.47               | 2.61               | 2.61               | 2.61               | 2.61               | 2.62               | 2.76               | 2.77               | 2.77               | 2.77               | 2.77               |
|                  | 17°F<br>(-8.3°C)   | TC            | 34398              | 34444              | 34481              | 34483              | 34529              | 36471              | 36514              | 36550              | 36557              | 36601              | 38650              | 38700              | 38743              | 38750              | 38794              | 40979              | 41023              | 41068              | 41074              | 41125              |
|                  |                    | S/T           | 0.49               | 0.57               | 0.65               | 0.65               | 0.74               | 0.52               | 0.61               | 0.69               | 0.69               | 0.79               | 0.55               | 0.64               | 0.73               | 0.73               | 0.83               | 0.58               | 0.68               | 0.78               | 0.78               | 0.88               |
|                  |                    | PI            | 2.30               | 2.30               | 2.30               | 2.30               | 2.30               | 2.43               | 2.44               | 2.44               | 2.44               | 2.44               | 2.58               | 2.58               | 2.59               | 2.59               | 2.59               | 2.74               | 2.74               | 2.74               | 2.74               | 2.75               |
|                  | 23°F<br>(-5.0°C)   | TC            | 36907              | 36957              | 36997              | 36998              | 37048              | 39132              | 39178              | 39217              | 39224              | 39271              | 41469              | 41523              | 41570              | 41577              | 41624              | 43968              | 44016              | 44064              | 44071              | 44125              |
|                  |                    | S/T           | 0.49               | 0.58               | 0.65               | 0.65               | 0.75               | 0.52               | 0.61               | 0.69               | 0.69               | 0.79               | 0.55               | 0.65               | 0.74               | 0.74               | 0.84               | 0.58               | 0.69               | 0.78               | 0.78               | 0.89               |
|                  |                    | PI            | 2.11               | 2.11               | 2.11               | 2.11               | 2.12               | 2.24               | 2.24               | 2.24               | 2.24               | 2.24               | 2.37               | 2.37               | 2.38               | 2.38               | 2.38               | 2.51               | 2.52               | 2.52               | 2.52               | 2.52               |
|                  | 35°F<br>(1.7°C)    | TC            | 41926              | 41982              | 42027              | 42029              | 42086              | 44453              | 44505              | 44549              | 44558              | 44611              | 47108              | 47170              | 47222              | 47231              | 47284              | 49947              | 50001              | 50055              | 50063              | 50126              |
|                  |                    | S/T           | 0.49               | 0.58               | 0.66               | 0.66               | 0.75               | 0.52               | 0.61               | 0.70               | 0.70               | 0.79               | 0.55               | 0.65               | 0.74               | 0.74               | 0.84               | 0.59               | 0.69               | 0.78               | 0.78               | 0.89               |
|                  |                    | PI            | 1.74               | 1.74               | 1.74               | 1.74               | 1.74               | 1.84               | 1.84               | 1.84               | 1.84               | 1.85               | 1.95               | 1.95               | 1.96               | 1.96               | 1.96               | 2.07               | 2.07               | 2.07               | 2.07               | 2.08               |
|                  | 41°F<br>(5.0°C)    | TC            | 41226              | 41282              | 41326              | 41328              | 41384              | 43711              | 43762              | 43806              | 43814              | 43866              | 46322              | 46382              | 46434              | 46443              | 46494              | 49113              | 49166              | 49220              | 49228              | 49289              |
|                  |                    | S/T           | 0.49               | 0.58               | 0.66               | 0.66               | 0.75               | 0.52               | 0.61               | 0.70               | 0.70               | 0.80               | 0.56               | 0.65               | 0.74               | 0.74               | 0.84               | 0.59               | 0.69               | 0.78               | 0.78               | 0.89               |
|                  |                    | PI            | 1.74               | 1.74               | 1.75               | 1.75               | 1.75               | 1.85               | 1.85               | 1.85               | 1.85               | 1.85               | 1.96               | 1.96               | 1.96               | 1.96               | 1.96               | 2.07               | 2.08               | 2.08               | 2.08               | 2.08               |
|                  | 47°F<br>(8.3°C)    | TC            | 40526              | 40581              | 40625              | 40626              | 40681              | 42969              | 43020              | 43062              | 43071              | 43122              | 45536              | 45595              | 45646              | 45654              | 45705              | 48279              | 48332              | 48384              | 48392              | 48452              |
|                  |                    | S/T           | 0.50               | 0.58               | 0.66               | 0.66               | 0.75               | 0.53               | 0.62               | 0.70               | 0.70               | 0.80               | 0.56               | 0.65               | 0.74               | 0.74               | 0.85               | 0.59               | 0.69               | 0.79               | 0.79               | 0.90               |
|                  |                    | PI            | 1.75               | 1.75               | 1.75               | 1.75               | 1.75               | 1.85               | 1.85               | 1.86               | 1.86               | 1.86               | 1.96               | 1.96               | 1.96               | 1.97               | 1.97               | 2.08               | 2.08               | 2.09               | 2.09               | 2.09               |
|                  | 50°F<br>(10.0°C)   | TC            | 40303              | 40357              | 40401              | 40403              | 40457              | 42732              | 42783              | 42825              | 42833              | 42884              | 45285              | 45344              | 45394              | 45403              | 45453              | 48013              | 48066              | 48118              | 48125              | 48185              |
|                  |                    | S/T           | 0.50               | 0.58               | 0.66               | 0.66               | 0.76               | 0.53               | 0.62               | 0.70               | 0.70               | 0.80               | 0.56               | 0.66               | 0.75               | 0.75               | 0.85               | 0.59               | 0.70               | 0.79               | 0.79               | 0.90               |
|                  |                    | PI            | 1.79               | 1.79               | 1.79               | 1.79               | 1.79               | 1.89               | 1.89               | 1.90               | 1.90               | 1.90               | 2.01               | 2.01               | 2.01               | 2.01               | 2.01               | 2.13               | 2.13               | 2.13               | 2.13               | 2.13               |
|                  | 59°F<br>(15.0°C)   | TC            | 39633              | 39687              | 39730              | 39731              | 39785              | 42022              | 42072              | 42113              | 42122              | 42172              | 44533              | 44590              | 44640              | 44648              | 44698              | 47216              | 47267              | 47318              | 47326              | 47385              |
|                  |                    | S/T           | 0.50               | 0.59               | 0.67               | 0.67               | 0.76               | 0.53               | 0.62               | 0.71               | 0.71               | 0.81               | 0.56               | 0.66               | 0.75               | 0.75               | 0.86               | 0.60               | 0.70               | 0.80               | 0.80               | 0.91               |
|                  |                    | PI            | 1.90               | 1.90               | 1.91               | 1.91               | 1.91               | 2.02               | 2.02               | 2.02               | 2.02               | 2.02               | 2.14               | 2.14               | 2.14               | 2.14               | 2.14               | 2.26               | 2.27               | 2.27               | 2.27               | 2.27               |
|                  | 68°F<br>(20.0°C)   | TC            | 38964              | 39016              | 39058              | 39060              | 39113              | 41312              | 41361              | 41402              | 41410              | 41459              | 43780              | 43837              | 43886              | 43894              | 43943              | 46418              | 46468              | 46519              | 46526              | 46584              |
|                  |                    | S/T           | 0.51               | 0.60               | 0.69               | 0.69               | 0.78               | 0.54               | 0.64               | 0.73               | 0.73               | 0.83               | 0.58               | 0.68               | 0.77               | 0.77               | 0.88               | 0.61               | 0.72               | 0.82               | 0.82               | 0.93               |
|                  |                    | PI            | 2.02               | 2.02               | 2.02               | 2.02               | 2.02               | 2.14               | 2.14               | 2.14               | 2.14               | 2.15               | 2.27               | 2.27               | 2.27               | 2.27               | 2.27               | 2.40               | 2.41               | 2.41               | 2.41               | 2.41               |
|                  | 77°F<br>(25.0°C)   | TC            | 38294              | 38346              | 38387              | 38389              | 38440              | 40602              | 40650              | 40690              | 40698              | 40747              | 43028              | 43084              | 43132              | 43140              | 43188              | 45620              | 45670              | 45720              | 45727              | 45784              |
|                  |                    | S/T           | 0.52               | 0.61               | 0.69               | 0.69               | 0.79               | 0.55               | 0.65               | 0.74               | 0.74               | 0.84               | 0.59               | 0.69               | 0.78               | 0.78               | 0.89               | 0.62               | 0.73               | 0.83               | 0.83               | 0.94               |
|                  |                    | PI            | 2.13               | 2.14               | 2.14               | 2.14               | 2.14               | 2.26               | 2.26               | 2.27               | 2.27               | 2.27               | 2.40               | 2.40               | 2.40               | 2.40               | 2.41               | 2.54               | 2.54               | 2.55               | 2.55               | 2.55               |
|                  | 82°F<br>(27.8°C)   | TC            | 37654              | 37705              | 37745              | 37747              | 37798              | 39923              | 39970              | 40010              | 40018              | 40065              | 42308              | 42363              | 42410              | 42418              | 42466              | 44857              | 44906              | 44955              | 44962              | 45018              |
|                  |                    | S/T           | 0.53               | 0.62               | 0.70               | 0.70               | 0.80               | 0.56               | 0.66               | 0.75               | 0.75               | 0.85               | 0.59               | 0.70               | 0.79               | 0.79               | 0.90               | 0.63               | 0.74               | 0.84               | 0.84               | 0.95               |
|                  |                    | PI            | 2.33               | 2.33               | 2.34               | 2.34               | 2.34               | 2.47               | 2.48               | 2.48               | 2.48               | 2.48               | 2.62               | 2.62               | 2.63               | 2.63               | 2.63               | 2.78               | 2.78               | 2.78               | 2.78               | 2.79               |
|                  | 86°F<br>(30.0°C)   | TC            | 36803              | 36853              | 36892              | 36894              | 36944              | 39021              | 39067              | 39106              | 39114              | 39160              | 41352              | 41406              | 41452              | 41460              | 41506              | 43844              | 43892              | 43939              | 43946              | 44001              |
|                  |                    | S/T           | 0.53               | 0.63               | 0.71               | 0.71               | 0.81               | 0.57               | 0.66               | 0.75               | 0.75               | 0.86               | 0.60               | 0.70               | 0.80               | 0.80               | 0.91               | 0.64               | 0.75               | 0.85               | 0.85               | 0.97               |
|                  |                    | PI            | 2.66               | 2.66               | 2.67               | 2.67               | 2.67               | 2.82               | 2.82               | 2.83               | 2.83               | 2.83               | 2.99               | 2.99               | 3.00               | 3.00               | 3.00               | 3.17               | 3.1                |                    |                    |                    |

**Table 34 — Air Handler Heating Performance (33K)**

| HEATING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 33 (Sheet 1 of 2) |                    |                                     |                  |                  |                    |                    |                           |                  |                  |                    |                    |
|---------------------------------------------------------------------------|--------------------|-------------------------------------|------------------|------------------|--------------------|--------------------|---------------------------|------------------|------------------|--------------------|--------------------|
| AIRFLOW<br>(CFM)                                                          | OUTDOOR<br>DB (°F) | TC: Total Heating Capacity (BTU/hr) |                  |                  |                    |                    | PI: Power Input (kW)      |                  |                  |                    |                    |
|                                                                           |                    | Indoor Conditions (DB °F)           |                  |                  |                    |                    | Indoor Conditions (DB °F) |                  |                  |                    |                    |
|                                                                           |                    | 60.8°F<br>(16.0°C)                  | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) | 60.8°F<br>(16.0°C)        | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) |
| 865                                                                       | -22°F(-30.0°C)     | 17372                               | 17025            | 16940            | 17006              | 16853              | 3.92                      | 3.95             | 3.96             | 3.97               | 3.98               |
|                                                                           | -13°F(-25.0°C)     | 21101                               | 20679            | 20576            | 19862              | 19683              | 4.15                      | 4.18             | 4.19             | 4.20               | 4.21               |
|                                                                           | -4°F(-20.0°C)      | 25361                               | 24854            | 24730            | 23871              | 23656              | 4.34                      | 4.38             | 4.39             | 4.40               | 4.41               |
|                                                                           | 0°F(-17.8°C)       | 27575                               | 27024            | 26889            | 25955              | 25722              | 4.47                      | 4.50             | 4.51             | 4.52               | 4.54               |
|                                                                           | 5°F(-15.0°C)       | 30343                               | 29736            | 29588            | 28561              | 28304              | 4.63                      | 4.66             | 4.67             | 4.68               | 4.70               |
|                                                                           | 14°F(-10.0°C)      | 28848                               | 28271            | 28129            | 27153              | 26909              | 3.84                      | 3.87             | 3.88             | 3.89               | 3.90               |
|                                                                           | 17°F(-8.3°C)       | 28349                               | 27782            | 27643            | 26684              | 26444              | 3.58                      | 3.61             | 3.61             | 3.62               | 3.64               |
|                                                                           | 22°F(-5.6°C)       | 29658                               | 29065            | 28920            | 27916              | 27665              | 3.56                      | 3.59             | 3.60             | 3.61               | 3.62               |
|                                                                           | 27°F(-2.8°C)       | 30968                               | 30348            | 30197            | 29148              | 28886              | 3.55                      | 3.58             | 3.58             | 3.59               | 3.60               |
|                                                                           | 32°F(0.0°C)        | 32277                               | 31631            | 31473            | 30381              | 30107              | 3.53                      | 3.56             | 3.57             | 3.57               | 3.59               |
|                                                                           | 35°F(1.7°C)        | 33062                               | 32401            | 32239            | 31120              | 30840              | 3.52                      | 3.55             | 3.56             | 3.56               | 3.58               |
|                                                                           | 37°F(2.8°C)        | 33444                               | 32775            | 32612            | 31480              | 31196              | 3.53                      | 3.56             | 3.57             | 3.58               | 3.59               |
|                                                                           | 42°F(5.6°C)        | 34399                               | 33711            | 33543            | 32378              | 32087              | 3.57                      | 3.60             | 3.60             | 3.61               | 3.63               |
|                                                                           | 44.6°F(7.0°C)      | 34781                               | 34086            | 33915            | 32738              | 32443              | 3.58                      | 3.61             | 3.62             | 3.63               | 3.64               |
|                                                                           | 47°F(8.3°C)        | 35354                               | 34647            | 34474            | 33277              | 32978              | 3.60                      | 3.63             | 3.64             | 3.65               | 3.66               |
|                                                                           | 52°F(11.1°C)       | 30675                               | 30061            | 29911            | 28873              | 28613              | 3.08                      | 3.11             | 3.11             | 3.12               | 3.13               |
|                                                                           | 57°F(13.9°C)       | 25996                               | 25476            | 25348            | 24469              | 24248              | 2.56                      | 2.58             | 2.59             | 2.59               | 2.60               |
|                                                                           | 59°F(15.0°C)       | 24124                               | 23641            | 23523            | 22707              | 22502              | 2.35                      | 2.37             | 2.38             | 2.38               | 2.39               |
|                                                                           | 62°F(16.7°C)       | 21316                               | 20890            | 20786            | 20064              | 19884              | 2.04                      | 2.06             | 2.06             | 2.06               | 2.07               |
|                                                                           | 64.4°F(18.0°C)     | 19445                               | 19056            | 18961            | 18302              | 18138              | 1.83                      | 1.85             | 1.85             | 1.85               | 1.86               |
| 971                                                                       | -22°F(-30.0°C)     | 18883                               | 18505            | 18413            | 18412              | 18246              | 3.96                      | 3.99             | 4.00             | 4.01               | 4.02               |
|                                                                           | -13°F(-25.0°C)     | 22491                               | 22041            | 21931            | 21504              | 21310              | 4.19                      | 4.22             | 4.23             | 4.24               | 4.26               |
|                                                                           | -4°F(-20.0°C)      | 27031                               | 26490            | 26358            | 25845              | 25612              | 4.39                      | 4.42             | 4.43             | 4.44               | 4.46               |
|                                                                           | 0°F(-17.8°C)       | 29391                               | 28803            | 28659            | 28101              | 27848              | 4.51                      | 4.55             | 4.56             | 4.57               | 4.59               |
|                                                                           | 5°F(-15.0°C)       | 32341                               | 31694            | 31536            | 30922              | 30643              | 4.67                      | 4.71             | 4.72             | 4.73               | 4.75               |
|                                                                           | 14°F(-10.0°C)      | 30747                               | 30132            | 29982            | 29398              | 29133              | 3.88                      | 3.91             | 3.92             | 3.93               | 3.94               |
|                                                                           | 17°F(-8.3°C)       | 30216                               | 29612            | 29464            | 28890              | 28630              | 3.61                      | 3.64             | 3.65             | 3.66               | 3.67               |
|                                                                           | 22°F(-5.6°C)       | 31611                               | 30979            | 30824            | 30224              | 29952              | 3.60                      | 3.63             | 3.63             | 3.64               | 3.66               |
|                                                                           | 27°F(-2.8°C)       | 33007                               | 32347            | 32185            | 31558              | 31274              | 3.58                      | 3.61             | 3.62             | 3.63               | 3.64               |
|                                                                           | 32°F(0.0°C)        | 34402                               | 33714            | 33546            | 32892              | 32596              | 3.57                      | 3.60             | 3.60             | 3.61               | 3.62               |
|                                                                           | 35°F(1.7°C)        | 35240                               | 34535            | 34362            | 33693              | 33390              | 3.56                      | 3.59             | 3.59             | 3.60               | 3.61               |
|                                                                           | 37°F(2.8°C)        | 35647                               | 34934            | 34759            | 34082              | 33775              | 3.57                      | 3.60             | 3.61             | 3.61               | 3.63               |
|                                                                           | 42°F(5.6°C)        | 36664                               | 35931            | 35751            | 35055              | 34740              | 3.60                      | 3.63             | 3.64             | 3.65               | 3.66               |
|                                                                           | 44.6°F(7.0°C)      | 37072                               | 36330            | 36148            | 35444              | 35125              | 3.62                      | 3.65             | 3.65             | 3.66               | 3.68               |
|                                                                           | 47°F(8.3°C)        | 37682                               | 36929            | 36744            | 36028              | 35704              | 3.64                      | 3.67             | 3.68             | 3.68               | 3.70               |
|                                                                           | 52°F(11.1°C)       | 32695                               | 32041            | 31881            | 31260              | 30979              | 3.11                      | 3.14             | 3.14             | 3.15               | 3.16               |
|                                                                           | 57°F(13.9°C)       | 27707                               | 27153            | 27018            | 26491              | 26253              | 2.59                      | 2.61             | 2.61             | 2.62               | 2.63               |
|                                                                           | 59°F(15.0°C)       | 25713                               | 25198            | 25072            | 24584              | 24363              | 2.38                      | 2.39             | 2.40             | 2.40               | 2.41               |
|                                                                           | 62°F(16.7°C)       | 22720                               | 22266            | 22154            | 21723              | 21527              | 2.06                      | 2.08             | 2.08             | 2.08               | 2.09               |
|                                                                           | 64.4°F(18.0°C)     | 20725                               | 20311            | 20209            | 19816              | 19637              | 1.85                      | 1.86             | 1.87             | 1.87               | 1.88               |
| 1082                                                                      | -22°F(-30.0°C)     | 20525                               | 20114            | 20014            | 19934              | 19754              | 4.00                      | 4.03             | 4.04             | 4.05               | 4.06               |
|                                                                           | -13°F(-25.0°C)     | 23972                               | 23493            | 23375            | 23282              | 23072              | 4.23                      | 4.26             | 4.27             | 4.28               | 4.30               |
|                                                                           | -4°F(-20.0°C)      | 28811                               | 28235            | 28094            | 27981              | 27730              | 4.43                      | 4.47             | 4.48             | 4.48               | 4.50               |
|                                                                           | 0°F(-17.8°C)       | 31327                               | 30700            | 30547            | 30424              | 30151              | 4.56                      | 4.60             | 4.61             | 4.61               | 4.63               |
|                                                                           | 5°F(-15.0°C)       | 34471                               | 33781            | 33613            | 33478              | 33177              | 4.72                      | 4.76             | 4.77             | 4.78               | 4.80               |
|                                                                           | 14°F(-10.0°C)      | 32772                               | 32117            | 31956            | 31828              | 31542              | 3.92                      | 3.95             | 3.96             | 3.97               | 3.98               |
|                                                                           | 17°F(-8.3°C)       | 32206                               | 31562            | 31404            | 31278              | 30997              | 3.65                      | 3.68             | 3.69             | 3.70               | 3.71               |
|                                                                           | 22°F(-5.6°C)       | 33693                               | 33019            | 32854            | 32723              | 32428              | 3.63                      | 3.66             | 3.67             | 3.68               | 3.69               |
|                                                                           | 27°F(-2.8°C)       | 35180                               | 34477            | 34304            | 34167              | 33860              | 3.62                      | 3.65             | 3.66             | 3.66               | 3.68               |
|                                                                           | 32°F(0.0°C)        | 36668                               | 35934            | 35755            | 35612              | 35291              | 3.60                      | 3.63             | 3.64             | 3.65               | 3.66               |
|                                                                           | 35°F(1.7°C)        | 37560                               | 36809            | 36625            | 36478              | 36150              | 3.59                      | 3.62             | 3.63             | 3.64               | 3.65               |
|                                                                           | 37°F(2.8°C)        | 37994                               | 37234            | 37048            | 36900              | 36568              | 3.61                      | 3.64             | 3.64             | 3.65               | 3.67               |
|                                                                           | 42°F(5.6°C)        | 39079                               | 38297            | 38106            | 37953              | 37612              | 3.64                      | 3.67             | 3.68             | 3.69               | 3.70               |
|                                                                           | 44.6°F(7.0°C)      | 39513                               | 38722            | 38529            | 38375              | 38029              | 3.65                      | 3.68             | 3.69             | 3.70               | 3.71               |
|                                                                           | 47°F(8.3°C)        | 40164                               | 39360            | 39163            | 39007              | 38656              | 3.68                      | 3.71             | 3.71             | 3.72               | 3.73               |
|                                                                           | 52°F(11.1°C)       | 34848                               | 34151            | 33980            | 33844              | 33540              | 3.14                      | 3.17             | 3.18             | 3.18               | 3.19               |
|                                                                           | 57°F(13.9°C)       | 29532                               | 28941            | 28797            | 28681              | 28423              | 2.61                      | 2.63             | 2.64             | 2.64               | 2.65               |
|                                                                           | 59°F(15.0°C)       | 27406                               | 26858            | 26723            | 26616              | 26377              | 2.40                      | 2.42             | 2.42             | 2.43               | 2.44               |
|                                                                           | 62°F(16.7°C)       | 24216                               | 23732            | 23613            | 23519              | 23307              | 2.08                      | 2.10             | 2.10             | 2.11               | 2.11               |
|                                                                           | 64.4°F(18.0°C)     | 22090                               | 21648            | 21540            | 21454              | 21261              | 1.87                      | 1.88             | 1.89             | 1.89               | 1.90               |

| HEATING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 33 (Sheet 2 of 2) |                   |                                     |                  |                  |                    |                    |                           |                  |                  |                    |                    |
|---------------------------------------------------------------------------|-------------------|-------------------------------------|------------------|------------------|--------------------|--------------------|---------------------------|------------------|------------------|--------------------|--------------------|
| AIRFLOW<br>(CFM)                                                          | OUTDOOR<br>DB(°F) | TC: Total Heating Capacity (BTU/hr) |                  |                  |                    |                    | PI: Power Input (kW)      |                  |                  |                    |                    |
|                                                                           |                   | Indoor Conditions (DB °F)           |                  |                  |                    |                    | Indoor Conditions (DB °F) |                  |                  |                    |                    |
|                                                                           |                   | 60.8°F<br>(16.0°C)                  | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) | 60.8°F<br>(16.0°C)        | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) |
| 1188                                                                      | -22°F(-30.0°C)    | 21877                               | 21439            | 21332            | 21246              | 21055              | 4.04                      | 4.07             | 4.08             | 4.09               | 4.10               |
|                                                                           | -13°F(-25.0°C)    | 25551                               | 25040            | 24914            | 24815              | 24591              | 4.27                      | 4.31             | 4.32             | 4.32               | 4.34               |
|                                                                           | -4°F(-20.0°C)     | 30708                               | 30094            | 29944            | 29824              | 29556              | 4.48                      | 4.51             | 4.52             | 4.53               | 4.55               |
|                                                                           | 0°F(-17.8°C)      | 33389                               | 32722            | 32558            | 32428              | 32136              | 4.61                      | 4.64             | 4.65             | 4.66               | 4.68               |
|                                                                           | 5°F(-15.0°C)      | 36741                               | 36006            | 35826            | 35683              | 35362              | 4.77                      | 4.81             | 4.82             | 4.82               | 4.84               |
|                                                                           | 14°F(-10.0°C)     | 34930                               | 34231            | 34060            | 33924              | 33619              | 3.96                      | 3.99             | 4.00             | 4.01               | 4.02               |
|                                                                           | 17°F(-8.3°C)      | 34326                               | 33640            | 33472            | 33338              | 33038              | 3.69                      | 3.72             | 3.73             | 3.73               | 3.75               |
|                                                                           | 22°F(-5.6°C)      | 35912                               | 35194            | 35018            | 34877              | 34564              | 3.67                      | 3.70             | 3.71             | 3.72               | 3.73               |
|                                                                           | 27°F(-2.8°C)      | 37497                               | 36747            | 36563            | 36417              | 36089              | 3.66                      | 3.68             | 3.69             | 3.70               | 3.71               |
|                                                                           | 32°F(0.0°C)       | 39082                               | 38301            | 38109            | 37957              | 37615              | 3.64                      | 3.67             | 3.68             | 3.68               | 3.70               |
|                                                                           | 35°F(1.7°C)       | 40034                               | 39233            | 39037            | 38881              | 38531              | 3.63                      | 3.66             | 3.67             | 3.67               | 3.69               |
|                                                                           | 37°F(2.8°C)       | 40496                               | 39686            | 39488            | 39330              | 38976              | 3.64                      | 3.67             | 3.68             | 3.69               | 3.70               |
|                                                                           | 42°F(5.6°C)       | 41652                               | 40819            | 40615            | 40453              | 40088              | 3.68                      | 3.71             | 3.72             | 3.72               | 3.74               |
|                                                                           | 44.6°F(7.0°C)     | 42115                               | 41272            | 41066            | 40902              | 40534              | 3.69                      | 3.72             | 3.73             | 3.74               | 3.75               |
|                                                                           | 47°F(8.3°C)       | 42808                               | 41952            | 41742            | 41575              | 41201              | 3.71                      | 3.74             | 3.75             | 3.76               | 3.77               |
|                                                                           | 52°F(11.1°C)      | 37143                               | 36400            | 36218            | 36073              | 35748              | 3.18                      | 3.20             | 3.21             | 3.21               | 3.23               |
|                                                                           | 57°F(13.9°C)      | 31477                               | 30847            | 30693            | 30570              | 30295              | 2.64                      | 2.66             | 2.67             | 2.67               | 2.68               |
|                                                                           | 59°F(15.0°C)      | 29210                               | 28626            | 28483            | 28369              | 28114              | 2.42                      | 2.44             | 2.45             | 2.45               | 2.46               |
|                                                                           | 62°F(16.7°C)      | 25811                               | 25295            | 25168            | 25068              | 24842              | 2.10                      | 2.12             | 2.12             | 2.13               | 2.14               |
|                                                                           | 64.4°F(18.0°C)    | 23545                               | 23074            | 22958            | 22866              | 22661              | 1.89                      | 1.90             | 1.91             | 1.91               | 1.92               |

**NOTE:** Values in grey are extrapolated based on tested performance.

## HEATING AND COOLING PERFORMANCE

## High Static Slim Duct (D5FSDA)

Table 35 — High Static Slim Duct Cooling Performance (9K)

| COOLING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 9 (Sheet 1 of 4) |                    |                        |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |
|--------------------------------------------------------------------------|--------------------|------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| AIRFLOW<br>(CFM)                                                         | OUTDOOR<br>DB(°F)  | ID WB(°F)<br>ID DB(°F) | 60.8°F(16.0°C)     |                    |                    |                    |                    | 64.4°F(18.0°C)     |                    |                    |                    |                    | 67°F(19.4°C)       |                    |                    |                    |                    | 71.6°F(22.0°C)     |                    |                    |                    |                    |
|                                                                          |                    |                        | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) |
| 201                                                                      | -22°F<br>(-30.0°C) | TC                     | 5523               | 5530               | 5536               | 5537               | 5544               | 5856               | 5863               | 5869               | 5870               | 5877               | 6206               | 6214               | 6221               | 6222               | 6229               | 6580               | 6587               | 6594               | 6595               | 6603               |
|                                                                          |                    | S/T                    | 0.31               | 0.36               | 0.41               | 0.41               | 0.46               | 0.32               | 0.38               | 0.43               | 0.43               | 0.49               | 0.34               | 0.40               | 0.46               | 0.46               | 0.52               | 0.36               | 0.43               | 0.49               | 0.49               | 0.55               |
|                                                                          |                    | PI                     | 0.23               | 0.23               | 0.23               | 0.23               | 0.23               | 0.25               | 0.25               | 0.25               | 0.25               | 0.25               | 0.26               | 0.26               | 0.26               | 0.26               | 0.26               | 0.28               | 0.28               | 0.28               | 0.28               | 0.28               |
|                                                                          | -13°F<br>(-25.0°C) | TC                     | 5983               | 5991               | 5998               | 5998               | 6006               | 6344               | 6351               | 6358               | 6359               | 6366               | 6723               | 6732               | 6739               | 6740               | 6748               | 7128               | 7136               | 7143               | 7145               | 7153               |
|                                                                          |                    | S/T                    | 0.31               | 0.36               | 0.41               | 0.41               | 0.47               | 0.33               | 0.38               | 0.43               | 0.44               | 0.50               | 0.35               | 0.41               | 0.46               | 0.46               | 0.53               | 0.37               | 0.43               | 0.49               | 0.49               | 0.56               |
|                                                                          |                    | PI                     | 0.25               | 0.25               | 0.25               | 0.25               | 0.25               | 0.27               | 0.27               | 0.27               | 0.27               | 0.27               | 0.28               | 0.28               | 0.28               | 0.28               | 0.28               | 0.30               | 0.30               | 0.30               | 0.30               | 0.30               |
|                                                                          | -4°F<br>(-20.0°C)  | TC                     | 6443               | 6452               | 6459               | 6459               | 6468               | 6832               | 6840               | 6847               | 6848               | 6856               | 7240               | 7249               | 7257               | 7259               | 7267               | 7676               | 7685               | 7693               | 7694               | 7704               |
|                                                                          |                    | S/T                    | 0.31               | 0.36               | 0.41               | 0.41               | 0.47               | 0.33               | 0.38               | 0.44               | 0.44               | 0.50               | 0.35               | 0.41               | 0.46               | 0.46               | 0.53               | 0.37               | 0.43               | 0.49               | 0.49               | 0.56               |
|                                                                          |                    | PI                     | 0.27               | 0.27               | 0.27               | 0.27               | 0.27               | 0.29               | 0.29               | 0.29               | 0.29               | 0.29               | 0.31               | 0.31               | 0.31               | 0.31               | 0.31               | 0.32               | 0.32               | 0.32               | 0.32               | 0.33               |
|                                                                          | 0°F<br>(-17.8°C)   | TC                     | 6648               | 6657               | 6664               | 6664               | 6673               | 7049               | 7057               | 7064               | 7065               | 7074               | 7470               | 7480               | 7488               | 7489               | 7498               | 7920               | 7928               | 7937               | 7938               | 7948               |
|                                                                          |                    | S/T                    | 0.31               | 0.36               | 0.41               | 0.41               | 0.47               | 0.33               | 0.39               | 0.44               | 0.44               | 0.50               | 0.35               | 0.41               | 0.47               | 0.47               | 0.53               | 0.37               | 0.43               | 0.49               | 0.49               | 0.56               |
|                                                                          |                    | PI                     | 0.28               | 0.28               | 0.28               | 0.28               | 0.28               | 0.30               | 0.30               | 0.30               | 0.30               | 0.30               | 0.32               | 0.32               | 0.32               | 0.32               | 0.32               | 0.33               | 0.33               | 0.33               | 0.33               | 0.34               |
|                                                                          | 5°F<br>(-15.0°C)   | TC                     | 6904               | 6913               | 6920               | 6921               | 6930               | 7320               | 7328               | 7336               | 7337               | 7346               | 7757               | 7767               | 7776               | 7777               | 7786               | 8224               | 8233               | 8242               | 8244               | 8254               |
|                                                                          |                    | S/T                    | 0.31               | 0.37               | 0.42               | 0.42               | 0.47               | 0.33               | 0.39               | 0.44               | 0.44               | 0.50               | 0.35               | 0.41               | 0.47               | 0.47               | 0.53               | 0.37               | 0.44               | 0.50               | 0.50               | 0.56               |
|                                                                          |                    | PI                     | 0.29               | 0.29               | 0.29               | 0.29               | 0.29               | 0.31               | 0.31               | 0.31               | 0.31               | 0.31               | 0.33               | 0.33               | 0.33               | 0.33               | 0.33               | 0.35               | 0.35               | 0.35               | 0.35               | 0.35               |
|                                                                          | 14°F<br>(-10.0°C)  | TC                     | 6405               | 6413               | 6420               | 6421               | 6429               | 6791               | 6799               | 6806               | 6807               | 6815               | 7196               | 7206               | 7214               | 7215               | 7223               | 7630               | 7638               | 7647               | 7648               | 7657               |
|                                                                          |                    | S/T                    | 0.31               | 0.37               | 0.42               | 0.42               | 0.48               | 0.33               | 0.39               | 0.44               | 0.44               | 0.50               | 0.35               | 0.41               | 0.47               | 0.47               | 0.53               | 0.37               | 0.44               | 0.50               | 0.50               | 0.57               |
|                                                                          |                    | PI                     | 0.32               | 0.32               | 0.32               | 0.32               | 0.32               | 0.34               | 0.34               | 0.34               | 0.34               | 0.34               | 0.36               | 0.36               | 0.36               | 0.36               | 0.36               | 0.38               | 0.38               | 0.38               | 0.38               | 0.38               |
|                                                                          | 17°F<br>(-8.3°C)   | TC                     | 6238               | 6247               | 6254               | 6254               | 6262               | 6614               | 6622               | 6629               | 6630               | 6638               | 7010               | 7019               | 7027               | 7028               | 7036               | 7432               | 7440               | 7448               | 7449               | 7459               |
|                                                                          |                    | S/T                    | 0.31               | 0.37               | 0.42               | 0.42               | 0.48               | 0.33               | 0.39               | 0.44               | 0.44               | 0.51               | 0.35               | 0.41               | 0.47               | 0.47               | 0.54               | 0.37               | 0.44               | 0.50               | 0.50               | 0.57               |
|                                                                          |                    | PI                     | 0.33               | 0.33               | 0.33               | 0.33               | 0.33               | 0.35               | 0.35               | 0.35               | 0.35               | 0.35               | 0.37               | 0.37               | 0.37               | 0.37               | 0.37               | 0.39               | 0.40               | 0.40               | 0.40               | 0.40               |
|                                                                          | 23°F<br>(-5.0°C)   | TC                     | 6553               | 6562               | 6569               | 6569               | 6578               | 6948               | 6956               | 6963               | 6964               | 6973               | 7363               | 7373               | 7381               | 7382               | 7390               | 7807               | 7815               | 7824               | 7825               | 7835               |
|                                                                          |                    | S/T                    | 0.32               | 0.37               | 0.42               | 0.42               | 0.48               | 0.33               | 0.39               | 0.45               | 0.45               | 0.51               | 0.35               | 0.42               | 0.47               | 0.47               | 0.54               | 0.38               | 0.44               | 0.50               | 0.50               | 0.57               |
|                                                                          |                    | PI                     | 0.34               | 0.34               | 0.34               | 0.34               | 0.34               | 0.36               | 0.36               | 0.36               | 0.36               | 0.36               | 0.38               | 0.38               | 0.38               | 0.38               | 0.38               | 0.40               | 0.41               | 0.41               | 0.41               | 0.41               |
|                                                                          | 35°F<br>(1.7°C)    | TC                     | 7182               | 7192               | 7199               | 7200               | 7209               | 7615               | 7624               | 7631               | 7633               | 7642               | 8070               | 8080               | 8089               | 8091               | 8100               | 8556               | 8565               | 8575               | 8576               | 8587               |
|                                                                          |                    | S/T                    | 0.32               | 0.37               | 0.42               | 0.42               | 0.48               | 0.34               | 0.39               | 0.45               | 0.45               | 0.51               | 0.36               | 0.42               | 0.47               | 0.47               | 0.54               | 0.38               | 0.44               | 0.50               | 0.50               | 0.57               |
|                                                                          |                    | PI                     | 0.36               | 0.36               | 0.36               | 0.36               | 0.36               | 0.38               | 0.38               | 0.38               | 0.38               | 0.38               | 0.40               | 0.40               | 0.40               | 0.40               | 0.40               | 0.42               | 0.42               | 0.43               | 0.43               | 0.43               |
|                                                                          | 41°F<br>(5.0°C)    | TC                     | 6995               | 7005               | 7012               | 7012               | 7022               | 7417               | 7426               | 7433               | 7434               | 7443               | 7860               | 7870               | 7879               | 7880               | 7889               | 8333               | 8342               | 8352               | 8353               | 8363               |
|                                                                          |                    | S/T                    | 0.32               | 0.37               | 0.42               | 0.42               | 0.48               | 0.34               | 0.39               | 0.45               | 0.45               | 0.51               | 0.36               | 0.42               | 0.48               | 0.48               | 0.54               | 0.38               | 0.44               | 0.50               | 0.50               | 0.57               |
|                                                                          |                    | PI                     | 0.36               | 0.36               | 0.36               | 0.36               | 0.36               | 0.38               | 0.38               | 0.38               | 0.38               | 0.38               | 0.40               | 0.40               | 0.40               | 0.40               | 0.40               | 0.43               | 0.43               | 0.43               | 0.43               | 0.43               |
|                                                                          | 47°F<br>(8.3°C)    | TC                     | 6808               | 6818               | 6825               | 6825               | 6834               | 7219               | 7227               | 7234               | 7236               | 7244               | 7650               | 7660               | 7668               | 7670               | 7678               | 8111               | 8120               | 8129               | 8130               | 8140               |
|                                                                          |                    | S/T                    | 0.32               | 0.37               | 0.42               | 0.42               | 0.48               | 0.34               | 0.40               | 0.45               | 0.45               | 0.51               | 0.36               | 0.42               | 0.48               | 0.48               | 0.54               | 0.38               | 0.44               | 0.51               | 0.51               | 0.58               |
|                                                                          |                    | PI                     | 0.36               | 0.36               | 0.36               | 0.36               | 0.36               | 0.38               | 0.38               | 0.38               | 0.38               | 0.38               | 0.40               | 0.40               | 0.41               | 0.41               | 0.41               | 0.43               | 0.43               | 0.43               | 0.43               | 0.43               |
|                                                                          | 50°F<br>(10.0°C)   | TC                     | 6872               | 6881               | 6889               | 6889               | 6898               | 7286               | 7295               | 7302               | 7303               | 7312               | 7721               | 7731               | 7740               | 7741               | 7750               | 8187               | 8196               | 8204               | 8206               | 8216               |
|                                                                          |                    | S/T                    | 0.32               | 0.38               | 0.43               | 0.43               | 0.49               | 0.34               | 0.40               | 0.45               | 0.45               | 0.52               | 0.36               | 0.42               | 0.48               | 0.48               | 0.55               | 0.38               | 0.45               | 0.51               | 0.51               | 0.58               |
|                                                                          |                    | PI                     | 0.36               | 0.36               | 0.36               | 0.36               | 0.36               | 0.38               | 0.38               | 0.38               | 0.38               | 0.38               | 0.40               | 0.40               | 0.40               | 0.40               | 0.40               | 0.43               | 0.43               | 0.43               | 0.43               | 0.43               |
|                                                                          | 59°F<br>(15.0°C)   | TC                     | 7063               | 7072               | 7080               | 7080               | 7090               | 7488               | 7497               | 7505               | 7506               | 7515               | 7936               | 7946               | 7955               | 7956               | 7965               | 8414               | 8423               | 8432               | 8433               | 8444               |
|                                                                          |                    | S/T                    | 0.32               | 0.38               | 0.43               | 0.43               | 0.49               | 0.34               | 0.40               | 0.45               | 0.45               | 0.52               | 0.36               | 0.42               | 0.48               | 0.48               | 0.55               | 0.38               | 0.45               | 0.51               | 0.51               | 0.58               |
|                                                                          |                    | PI                     | 0.35               | 0.35               | 0.35               | 0.35               | 0.35               | 0.37               | 0.37               | 0.37               | 0.37               | 0.37               | 0.40               | 0.40               | 0.40               | 0.40               | 0.40               | 0.42               | 0.42               | 0.42               | 0.42               | 0.42               |
|                                                                          | 68°F<br>(20.0°C)   | TC                     | 7253               | 7263               | 7271               | 7271               | 7281               | 7690               | 7699               | 7707               | 7709               | 7718               | 8150               | 8160               | 8170               | 8171               | 8180               | 8641               | 8650               | 8660               | 8661               | 8672               |
|                                                                          |                    | S/T                    | 0.33               | 0.39               | 0.44               | 0.44               | 0.50               | 0.35               | 0.41               | 0.47               | 0.47               | 0.53               | 0.37               | 0.44               | 0.49               | 0.49               | 0.56               | 0.39               | 0.46               | 0.52               | 0.52               | 0.60               |
|                                                                          |                    | PI                     | 0.35               | 0.35               | 0.35               | 0.35               | 0.35               | 0.37               | 0.37               | 0.37               | 0.37               | 0.37               | 0.39               | 0.39               | 0.39               | 0.39               | 0.39               | 0.41               | 0.41               | 0.41               | 0.41               | 0.41               |
|                                                                          | 77°F<br>(25.0°C)   | TC                     | 7444               | 7454               | 7462               | 7462               | 7472               | 7893               | 7902               | 7910               | 7911               | 7921               | 8364               | 8375               | 8384               | 8386               | 8395               | 8868               | 8878               | 8887               | 8889               | 8900               |
|                                                                          |                    | S/T                    | 0.33               | 0.39               | 0.45               | 0.45               | 0.51               | 0.35               | 0.42               | 0.47               | 0.47               | 0.54               | 0.38               | 0.44               | 0.50               | 0.50               | 0.57               | 0.40               | 0.47               | 0.53               | 0.53               | 0.61               |
|                                                                          |                    | PI                     | 0.34               | 0.34               | 0.34               | 0.34               | 0.34               | 0.36               | 0.36               | 0.36               | 0.36               | 0.36               | 0.38               | 0.38               | 0.38               | 0.38               | 0.38               | 0.41               | 0.41               | 0.41               | 0.41               | 0.41               |
|                                                                          | 82°F<br>(27.8°C)   | TC                     | 7497               | 7507               | 7516               | 7516               | 7526               | 7949               | 7959               | 7966               | 7968               | 7977               | 8424               | 8435               | 8444               | 8446               | 8455               | 8932               | 8941               | 8951               | 8952               | 8964               |
|                                                                          |                    | S/T                    | 0.34               | 0.40               | 0.45               | 0.45               | 0.51               | 0.36               | 0.42               | 0.48               | 0.48               | 0.55               | 0.38               | 0.45               | 0.51               | 0.51               | 0.58               | 0.40               | 0.47               | 0.54               | 0.54               | 0.61               |
|                                                                          |                    | PI                     | 0.39               | 0.39               | 0.39               | 0.39               | 0.39               | 0.41               | 0.41               | 0.41               | 0.41               | 0.41               | 0.44               | 0.44               | 0.44               | 0.44               | 0.44               | 0.46               | 0.46               | 0.46               | 0.46               | 0.46               |
|                                                                          | 86°F<br>(30.0°C)   | TC                     | 7474               | 7484               | 7492               | 7492               | 7502               | 7924               | 7934               | 7942               | 7943               | 7953               | 8398               | 8409               | 8418               | 8420               | 8429               | 8904               | 8913               | 8923               | 8925               | 8936               |
|                                                                          |                    | S/T                    | 0.34               | 0.40               | 0.46               | 0.46               | 0.52               | 0.36               | 0.43               | 0.48               | 0.48               | 0.55               | 0.39               | 0.45               | 0.51               | 0.51               | 0.59               | 0.41               | 0.48               | 0.54               | 0.54               | 0.62               |
|                                                                          |                    | PI                     | 0.49               | 0.49               | 0.49               | 0.49               | 0.49               | 0.52               | 0.52               | 0.52               | 0.52               | 0.52               | 0.55               | 0.55               | 0.55               | 0.55               | 0.55               | 0.58               | 0.58               | 0.58               | 0.58               | 0.58               |
|                                                                          | 95°F<br>(35.0°C)   | TC                     | 7421               | 7431               | 7439               | 7439               | 7450               | 7868               | 7878               | 7886               | 7887               | 7896               | 8339               | 8349               | 8359               | 8360               | 8370               | 8841               | 8851               | 8860               | 8862               | 8873               |
|                                                                          |                    | S/T                    | 0.34               | 0.40               | 0.46               | 0.46               | 0.52               | 0.36               | 0.43               | 0.48               | 0.48               | 0.55               | 0.39               | 0.45               | 0.51               | 0.51               | 0.59               | 0.41               | 0.48               | 0.54               | 0.54               | 0.62               |
| PI                                                                       |                    | 0.72                   | 0.72               | 0.72               | 0.72               | 0.72               | 0.76               | 0.76               | 0.76               | 0.76               | 0.76               | 0.8                |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |

COOLING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 9 (Sheet 2 of 4)

| AIRFLOW<br>(CFM) | OUTDOOR<br>DB(°F)  | ID WB(°F)<br>ID DB(°F) | 60.8°F(16.0°C)     |                    |                    |                    |                    | 64.4°F(18.0°C)     |                    |                    |                    |                    | 67°F(19.4°C)       |                    |                    |                    |                    | 71.6°F(22.0°C)     |                    |                    |                    |                    |
|------------------|--------------------|------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                  |                    |                        | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) |
|                  |                    |                        | TC                 | S/T                | PI                 | TC                 | S/T                | PI                 | TC                 | S/T                | PI                 | TC                 | S/T                | PI                 | TC                 | S/T                | PI                 | TC                 | S/T                | PI                 | TC                 | S/T                |
| 231              | -22°F<br>(-30.0°C) | TC                     | 6402               | 6410               | 6417               | 6418               | 6426               | 6788               | 6796               | 6802               | 6804               | 6812               | 7193               | 7202               | 7210               | 7212               | 7220               | 7626               | 7635               | 7643               | 7644               | 7654               |
|                  |                    | S/T                    | 0.35               | 0.42               | 0.47               | 0.47               | 0.54               | 0.38               | 0.44               | 0.50               | 0.50               | 0.57               | 0.40               | 0.47               | 0.53               | 0.53               | 0.61               | 0.42               | 0.50               | 0.56               | 0.56               | 0.64               |
|                  |                    | PI                     | 0.27               | 0.27               | 0.27               | 0.27               | 0.27               | 0.29               | 0.29               | 0.29               | 0.29               | 0.29               | 0.30               | 0.30               | 0.30               | 0.30               | 0.30               | 0.32               | 0.32               | 0.32               | 0.32               | 0.32               |
|                  | -13°F<br>(-25.0°C) | TC                     | 6935               | 6945               | 6952               | 6952               | 6962               | 7353               | 7362               | 7369               | 7371               | 7379               | 7792               | 7803               | 7811               | 7813               | 7821               | 8262               | 8271               | 8280               | 8281               | 8292               |
|                  |                    | S/T                    | 0.36               | 0.42               | 0.48               | 0.48               | 0.54               | 0.38               | 0.44               | 0.50               | 0.50               | 0.57               | 0.40               | 0.47               | 0.53               | 0.53               | 0.61               | 0.42               | 0.50               | 0.57               | 0.57               | 0.65               |
|                  |                    | PI                     | 0.29               | 0.29               | 0.29               | 0.29               | 0.29               | 0.31               | 0.31               | 0.31               | 0.31               | 0.31               | 0.33               | 0.33               | 0.33               | 0.33               | 0.33               | 0.35               | 0.35               | 0.35               | 0.35               | 0.35               |
|                  | -4°F<br>(-20.0°C)  | TC                     | 7469               | 7479               | 7487               | 7487               | 7497               | 7919               | 7928               | 7936               | 7938               | 7947               | 8392               | 8403               | 8412               | 8414               | 8423               | 8898               | 8907               | 8917               | 8918               | 8929               |
|                  |                    | S/T                    | 0.36               | 0.42               | 0.48               | 0.48               | 0.55               | 0.38               | 0.45               | 0.51               | 0.51               | 0.58               | 0.40               | 0.47               | 0.54               | 0.54               | 0.61               | 0.43               | 0.50               | 0.57               | 0.57               | 0.65               |
|                  |                    | PI                     | 0.32               | 0.32               | 0.32               | 0.32               | 0.32               | 0.33               | 0.33               | 0.33               | 0.33               | 0.34               | 0.35               | 0.35               | 0.35               | 0.35               | 0.36               | 0.38               | 0.38               | 0.38               | 0.38               | 0.38               |
|                  | 0°F<br>(-17.8°C)   | TC                     | 7706               | 7716               | 7724               | 7725               | 7735               | 8170               | 8180               | 8188               | 8190               | 8199               | 8658               | 8670               | 8679               | 8681               | 8690               | 9180               | 9190               | 9200               | 9201               | 9213               |
|                  |                    | S/T                    | 0.36               | 0.42               | 0.48               | 0.48               | 0.55               | 0.38               | 0.45               | 0.51               | 0.51               | 0.58               | 0.40               | 0.47               | 0.54               | 0.54               | 0.61               | 0.43               | 0.50               | 0.57               | 0.57               | 0.65               |
|                  |                    | PI                     | 0.33               | 0.33               | 0.33               | 0.33               | 0.33               | 0.34               | 0.35               | 0.35               | 0.35               | 0.35               | 0.35               | 0.37               | 0.37               | 0.37               | 0.37               | 0.39               | 0.39               | 0.39               | 0.39               | 0.39               |
|                  | 5°F<br>(-15.0°C)   | TC                     | 8002               | 8013               | 8022               | 8022               | 8033               | 8484               | 8494               | 8503               | 8505               | 8515               | 8991               | 9003               | 9013               | 9015               | 9025               | 9533               | 9543               | 9554               | 9555               | 9567               |
|                  |                    | S/T                    | 0.36               | 0.42               | 0.48               | 0.48               | 0.55               | 0.38               | 0.45               | 0.51               | 0.51               | 0.58               | 0.41               | 0.48               | 0.54               | 0.54               | 0.62               | 0.43               | 0.51               | 0.57               | 0.57               | 0.65               |
|                  |                    | PI                     | 0.34               | 0.34               | 0.34               | 0.34               | 0.34               | 0.36               | 0.36               | 0.36               | 0.36               | 0.36               | 0.38               | 0.38               | 0.38               | 0.38               | 0.38               | 0.40               | 0.40               | 0.40               | 0.40               | 0.40               |
|                  | 14°F<br>(-10.0°C)  | TC                     | 7424               | 7434               | 7442               | 7442               | 7452               | 7871               | 7881               | 7888               | 7890               | 7899               | 8341               | 8352               | 8362               | 8363               | 8372               | 8844               | 8854               | 8863               | 8865               | 8876               |
|                  |                    | S/T                    | 0.36               | 0.43               | 0.48               | 0.48               | 0.55               | 0.38               | 0.45               | 0.51               | 0.51               | 0.58               | 0.41               | 0.48               | 0.54               | 0.54               | 0.62               | 0.43               | 0.51               | 0.58               | 0.58               | 0.66               |
|                  |                    | PI                     | 0.37               | 0.37               | 0.37               | 0.37               | 0.37               | 0.39               | 0.40               | 0.40               | 0.40               | 0.40               | 0.42               | 0.42               | 0.42               | 0.42               | 0.42               | 0.44               | 0.44               | 0.44               | 0.44               | 0.45               |
|                  | 17°F<br>(-8.3°C)   | TC                     | 7231               | 7241               | 7249               | 7249               | 7259               | 7667               | 7676               | 7683               | 7685               | 7694               | 8125               | 8135               | 8144               | 8146               | 8155               | 8614               | 8624               | 8633               | 8634               | 8645               |
|                  |                    | S/T                    | 0.36               | 0.43               | 0.48               | 0.48               | 0.55               | 0.39               | 0.45               | 0.51               | 0.51               | 0.59               | 0.41               | 0.48               | 0.54               | 0.54               | 0.62               | 0.43               | 0.51               | 0.58               | 0.58               | 0.66               |
|                  |                    | PI                     | 0.38               | 0.38               | 0.38               | 0.38               | 0.39               | 0.41               | 0.41               | 0.41               | 0.41               | 0.41               | 0.43               | 0.43               | 0.43               | 0.43               | 0.43               | 0.46               | 0.46               | 0.46               | 0.46               | 0.46               |
|                  | 23°F<br>(-5.0°C)   | TC                     | 7596               | 7606               | 7614               | 7614               | 7625               | 8053               | 8063               | 8071               | 8072               | 8082               | 8534               | 8546               | 8555               | 8557               | 8566               | 9049               | 9058               | 9068               | 9070               | 9081               |
|                  |                    | S/T                    | 0.37               | 0.43               | 0.49               | 0.49               | 0.56               | 0.39               | 0.45               | 0.52               | 0.52               | 0.59               | 0.41               | 0.48               | 0.55               | 0.55               | 0.62               | 0.43               | 0.51               | 0.58               | 0.58               | 0.66               |
|                  |                    | PI                     | 0.39               | 0.39               | 0.39               | 0.39               | 0.40               | 0.42               | 0.42               | 0.42               | 0.42               | 0.42               | 0.44               | 0.44               | 0.44               | 0.44               | 0.44               | 0.47               | 0.47               | 0.47               | 0.47               | 0.47               |
|                  | 35°F<br>(1.7°C)    | TC                     | 8325               | 8336               | 8345               | 8345               | 8356               | 8826               | 8837               | 8845               | 8847               | 8858               | 9354               | 9366               | 9376               | 9378               | 9388               | 9917               | 9928               | 9939               | 9940               | 9953               |
|                  |                    | S/T                    | 0.37               | 0.43               | 0.49               | 0.49               | 0.56               | 0.39               | 0.46               | 0.52               | 0.52               | 0.59               | 0.41               | 0.48               | 0.55               | 0.55               | 0.63               | 0.44               | 0.51               | 0.58               | 0.58               | 0.66               |
|                  |                    | PI                     | 0.41               | 0.41               | 0.41               | 0.41               | 0.41               | 0.44               | 0.44               | 0.44               | 0.44               | 0.44               | 0.46               | 0.46               | 0.46               | 0.47               | 0.47               | 0.49               | 0.49               | 0.49               | 0.49               | 0.49               |
|                  | 41°F<br>(5.0°C)    | TC                     | 8108               | 8119               | 8128               | 8128               | 8139               | 8597               | 8607               | 8615               | 8617               | 8627               | 9110               | 9122               | 9132               | 9134               | 9144               | 9659               | 9670               | 9680               | 9682               | 9694               |
|                  |                    | S/T                    | 0.37               | 0.43               | 0.49               | 0.49               | 0.56               | 0.39               | 0.46               | 0.52               | 0.52               | 0.59               | 0.41               | 0.48               | 0.55               | 0.55               | 0.63               | 0.44               | 0.51               | 0.58               | 0.58               | 0.67               |
|                  |                    | PI                     | 0.42               | 0.42               | 0.42               | 0.42               | 0.42               | 0.44               | 0.44               | 0.44               | 0.44               | 0.44               | 0.47               | 0.47               | 0.47               | 0.47               | 0.47               | 0.49               | 0.49               | 0.50               | 0.50               | 0.50               |
|                  | 47°F<br>(8.3°C)    | TC                     | 7892               | 7902               | 7911               | 7911               | 7922               | 8367               | 8377               | 8385               | 8387               | 8397               | 8867               | 8879               | 8889               | 8890               | 8900               | 9401               | 9412               | 9422               | 9423               | 9435               |
|                  |                    | S/T                    | 0.37               | 0.43               | 0.49               | 0.49               | 0.56               | 0.39               | 0.46               | 0.52               | 0.52               | 0.59               | 0.41               | 0.49               | 0.55               | 0.55               | 0.63               | 0.44               | 0.52               | 0.59               | 0.59               | 0.67               |
|                  |                    | PI                     | 0.42               | 0.42               | 0.42               | 0.42               | 0.42               | 0.44               | 0.44               | 0.44               | 0.44               | 0.44               | 0.47               | 0.47               | 0.47               | 0.47               | 0.47               | 0.50               | 0.50               | 0.50               | 0.50               | 0.50               |
|                  | 50°F<br>(10.0°C)   | TC                     | 7965               | 7976               | 7985               | 7985               | 7996               | 8445               | 8455               | 8464               | 8465               | 8475               | 8950               | 8962               | 8972               | 8973               | 8983               | 9489               | 9499               | 9510               | 9511               | 9523               |
|                  |                    | S/T                    | 0.37               | 0.44               | 0.49               | 0.49               | 0.56               | 0.39               | 0.46               | 0.52               | 0.52               | 0.60               | 0.42               | 0.49               | 0.56               | 0.56               | 0.63               | 0.44               | 0.52               | 0.59               | 0.59               | 0.67               |
|                  |                    | PI                     | 0.41               | 0.42               | 0.42               | 0.42               | 0.42               | 0.44               | 0.44               | 0.44               | 0.44               | 0.44               | 0.47               | 0.47               | 0.47               | 0.47               | 0.47               | 0.49               | 0.49               | 0.50               | 0.50               | 0.50               |
|                  | 59°F<br>(15.0°C)   | TC                     | 8186               | 8197               | 8206               | 8207               | 8218               | 8680               | 8690               | 8699               | 8700               | 8711               | 9198               | 9210               | 9220               | 9222               | 9232               | 9752               | 9763               | 9774               | 9775               | 9787               |
|                  |                    | S/T                    | 0.37               | 0.44               | 0.50               | 0.50               | 0.57               | 0.39               | 0.46               | 0.53               | 0.53               | 0.60               | 0.42               | 0.49               | 0.56               | 0.56               | 0.64               | 0.44               | 0.52               | 0.59               | 0.59               | 0.67               |
|                  |                    | PI                     | 0.41               | 0.41               | 0.41               | 0.41               | 0.41               | 0.43               | 0.43               | 0.43               | 0.43               | 0.43               | 0.46               | 0.46               | 0.46               | 0.46               | 0.46               | 0.49               | 0.49               | 0.49               | 0.49               | 0.49               |
|                  | 68°F<br>(20.0°C)   | TC                     | 8407               | 8419               | 8428               | 8428               | 8439               | 8914               | 8924               | 8933               | 8935               | 8946               | 9446               | 9459               | 9469               | 9471               | 9482               | 10016              | 10027              | 10037              | 10039              | 10052              |
|                  |                    | S/T                    | 0.38               | 0.45               | 0.51               | 0.51               | 0.58               | 0.41               | 0.48               | 0.54               | 0.54               | 0.62               | 0.43               | 0.50               | 0.57               | 0.57               | 0.65               | 0.46               | 0.53               | 0.61               | 0.61               | 0.69               |
|                  |                    | PI                     | 0.40               | 0.40               | 0.40               | 0.40               | 0.40               | 0.43               | 0.43               | 0.43               | 0.43               | 0.43               | 0.45               | 0.45               | 0.45               | 0.45               | 0.45               | 0.48               | 0.48               | 0.48               | 0.48               | 0.48               |
|                  | 77°F<br>(25.0°C)   | TC                     | 8628               | 8640               | 8649               | 8650               | 8661               | 9148               | 9159               | 9168               | 9170               | 9181               | 9695               | 9707               | 9718               | 9720               | 9731               | 10279              | 10290              | 10301              | 10303              | 10316              |
|                  |                    | S/T                    | 0.39               | 0.45               | 0.52               | 0.52               | 0.59               | 0.41               | 0.48               | 0.55               | 0.55               | 0.62               | 0.44               | 0.51               | 0.58               | 0.58               | 0.66               | 0.46               | 0.54               | 0.62               | 0.62               | 0.70               |
|                  |                    | PI                     | 0.40               | 0.40               | 0.40               | 0.40               | 0.40               | 0.42               | 0.42               | 0.42               | 0.42               | 0.42               | 0.44               | 0.44               | 0.44               | 0.45               | 0.45               | 0.47               | 0.47               | 0.47               | 0.47               | 0.47               |
|                  | 82°F<br>(27.8°C)   | TC                     | 8690               | 8702               | 8711               | 8712               | 8723               | 9214               | 9225               | 9234               | 9236               | 9247               | 9764               | 9777               | 9788               | 9790               | 9801               | 10353              | 10364              | 10375              | 10377              | 10390              |
|                  |                    | S/T                    | 0.39               | 0.46               | 0.52               | 0.52               | 0.60               | 0.42               | 0.49               | 0.55               | 0.55               | 0.63               | 0.44               | 0.52               | 0.59               | 0.59               | 0.67               | 0.47               | 0.55               | 0.62               | 0.62               | 0.71               |
|                  |                    | PI                     | 0.45               | 0.45               | 0.45               | 0.45               | 0.45               | 0.48               | 0.48               | 0.48               | 0.48               | 0.48               | 0.51               | 0.51               | 0.51               | 0.51               | 0.51               | 0.54               | 0.54               | 0.54               | 0.54               | 0.54               |
|                  | 86°F<br>(30.0°C)   | TC                     | 8663               | 8675               | 8684               | 8684               | 8696               | 9185               | 9196               | 9205               | 9207               | 9218               | 9734               | 9747               | 9757               | 9759               | 9770               | 10320              | 10332              | 10343              | 10344              | 10357              |
|                  |                    | S/T                    | 0.40               | 0.47               | 0.53               | 0.53               | 0.60               | 0.42               | 0.49               | 0.56               | 0.56               | 0.64               | 0.45               | 0.52               | 0.60               | 0.60               | 0.68               | 0.47               | 0.56               | 0.63               | 0.63               | 0.72               |
|                  |                    | PI                     | 0.57               | 0.57               | 0.57               | 0.57               | 0.57               | 0.60               | 0.60               | 0.60               | 0.60               | 0.60               | 0.64               | 0.64               | 0.64               | 0.64               | 0.64               | 0.68               | 0.68               | 0.68               | 0.68               | 0.68               |
|                  | 95°F<br>(35.0°C)   | TC                     | 8602               | 8613               | 8623               | 8623               | 8635               | 9120               | 9131               | 9140               | 9142               | 9153               | 9665               | 9678               | 9689               | 9690               | 9701               | 10248              | 10259              | 10270              | 10271              | 10284              |
|                  |                    | S/T                    | 0.40               | 0.47               | 0.53               | 0.53               |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |

COOLING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 9 (Sheet 3 of 4)

| AIRFLOW<br>(CFM) | OUTDOOR<br>DB(°F)  | ID WB(°F)<br>ID DB(°F) | 60.8°F(16.0°C)     |                    |                    |                    |                    | 64.4°F(18.0°C)     |                    |                    |                    |                    | 67°F(19.4°C)       |                    |                    |                    |                    | 71.6°F(22.0°C)     |                    |                    |                    |                    |
|------------------|--------------------|------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                  |                    |                        | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.6°F<br>(26.7°C) | 80.6°F<br>(26.7°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) |
|                  |                    |                        | TC                 | S/T                | PI                 | TC                 | S/T                | PI                 | TC                 | S/T                | PI                 | TC                 | S/T                | PI                 | TC                 | S/T                | PI                 | TC                 | S/T                | PI                 | TC                 | S/T                |
| 288              | -22°F<br>(-30.0°C) | TC                     | 7420               | 7430               | 7438               | 7439               | 7449               | 7867               | 7877               | 7885               | 7886               | 7895               | 8337               | 8348               | 8358               | 8359               | 8368               | 8840               | 8849               | 8859               | 8860               | 8871               |
|                  |                    | S/T                    | 0.41               | 0.48               | 0.55               | 0.55               | 0.62               | 0.44               | 0.51               | 0.58               | 0.58               | 0.66               | 0.46               | 0.54               | 0.62               | 0.62               | 0.70               | 0.49               | 0.57               | 0.65               | 0.65               | 0.74               |
|                  |                    | PI                     | 0.31               | 0.31               | 0.31               | 0.31               | 0.31               | 0.33               | 0.33               | 0.33               | 0.33               | 0.33               | 0.35               | 0.35               | 0.35               | 0.35               | 0.35               | 0.37               | 0.37               | 0.37               | 0.37               | 0.37               |
|                  | -13°F<br>(-25.0°C) | TC                     | 8039               | 8049               | 8058               | 8058               | 8069               | 8523               | 8533               | 8542               | 8543               | 8553               | 9032               | 9044               | 9054               | 9056               | 9066               | 9576               | 9587               | 9597               | 9599               | 9611               |
|                  |                    | S/T                    | 0.41               | 0.49               | 0.55               | 0.55               | 0.63               | 0.44               | 0.51               | 0.58               | 0.58               | 0.67               | 0.46               | 0.55               | 0.62               | 0.62               | 0.71               | 0.49               | 0.58               | 0.66               | 0.66               | 0.75               |
|                  |                    | PI                     | 0.34               | 0.34               | 0.34               | 0.34               | 0.34               | 0.36               | 0.36               | 0.36               | 0.36               | 0.36               | 0.38               | 0.38               | 0.38               | 0.38               | 0.38               | 0.40               | 0.40               | 0.41               | 0.41               | 0.41               |
|                  | -4°F<br>(-20.0°C)  | TC                     | 8657               | 8669               | 8678               | 8678               | 8690               | 9179               | 9190               | 9199               | 9200               | 9211               | 9727               | 9740               | 9751               | 9752               | 9763               | 10313              | 10324              | 10336              | 10337              | 10350              |
|                  |                    | S/T                    | 0.42               | 0.49               | 0.55               | 0.55               | 0.63               | 0.44               | 0.52               | 0.59               | 0.59               | 0.67               | 0.47               | 0.55               | 0.62               | 0.62               | 0.71               | 0.50               | 0.58               | 0.66               | 0.66               | 0.75               |
|                  |                    | PI                     | 0.37               | 0.37               | 0.37               | 0.37               | 0.37               | 0.39               | 0.39               | 0.39               | 0.39               | 0.39               | 0.41               | 0.41               | 0.41               | 0.41               | 0.41               | 0.44               | 0.44               | 0.44               | 0.44               | 0.44               |
|                  | 0°F<br>(-17.8°C)   | TC                     | 8932               | 8944               | 8953               | 8954               | 8966               | 9470               | 9481               | 9491               | 9493               | 9504               | 10036              | 10049              | 10060              | 10062              | 10073              | 10641              | 10652              | 10664              | 10665              | 10679              |
|                  |                    | S/T                    | 0.42               | 0.49               | 0.56               | 0.56               | 0.63               | 0.44               | 0.52               | 0.59               | 0.59               | 0.67               | 0.47               | 0.55               | 0.62               | 0.62               | 0.71               | 0.50               | 0.58               | 0.66               | 0.66               | 0.75               |
|                  |                    | PI                     | 0.38               | 0.38               | 0.38               | 0.38               | 0.38               | 0.40               | 0.40               | 0.40               | 0.40               | 0.40               | 0.42               | 0.42               | 0.42               | 0.42               | 0.43               | 0.45               | 0.45               | 0.45               | 0.45               | 0.45               |
|                  | 5°F<br>(-15.0°C)   | TC                     | 9275               | 9288               | 9298               | 9298               | 9311               | 9834               | 9846               | 9856               | 9858               | 9869               | 10422              | 10435              | 10447              | 10449              | 10461              | 11050              | 11062              | 11074              | 11076              | 11089              |
|                  |                    | S/T                    | 0.42               | 0.49               | 0.56               | 0.56               | 0.64               | 0.44               | 0.52               | 0.59               | 0.59               | 0.68               | 0.47               | 0.55               | 0.63               | 0.63               | 0.72               | 0.50               | 0.59               | 0.67               | 0.67               | 0.76               |
|                  |                    | PI                     | 0.39               | 0.39               | 0.39               | 0.39               | 0.39               | 0.42               | 0.42               | 0.42               | 0.42               | 0.42               | 0.44               | 0.44               | 0.44               | 0.44               | 0.44               | 0.47               | 0.47               | 0.47               | 0.47               | 0.47               |
|                  | 14°F<br>(-10.0°C)  | TC                     | 8605               | 8617               | 8626               | 8626               | 8638               | 9124               | 9134               | 9143               | 9145               | 9156               | 9669               | 9681               | 9692               | 9694               | 9705               | 10251              | 10262              | 10273              | 10275              | 10288              |
|                  |                    | S/T                    | 0.42               | 0.49               | 0.56               | 0.56               | 0.64               | 0.45               | 0.52               | 0.59               | 0.59               | 0.68               | 0.47               | 0.55               | 0.63               | 0.63               | 0.72               | 0.50               | 0.59               | 0.67               | 0.67               | 0.76               |
|                  |                    | PI                     | 0.43               | 0.43               | 0.43               | 0.43               | 0.43               | 0.46               | 0.46               | 0.46               | 0.46               | 0.46               | 0.48               | 0.49               | 0.49               | 0.49               | 0.49               | 0.51               | 0.51               | 0.52               | 0.52               | 0.52               |
|                  | 17°F<br>(-8.3°C)   | TC                     | 8382               | 8393               | 8402               | 8402               | 8414               | 8887               | 8897               | 8906               | 8908               | 8918               | 9418               | 9430               | 9440               | 9442               | 9453               | 9985               | 9996               | 10007              | 10008              | 10021              |
|                  |                    | S/T                    | 0.42               | 0.49               | 0.56               | 0.56               | 0.64               | 0.45               | 0.52               | 0.60               | 0.60               | 0.68               | 0.47               | 0.56               | 0.63               | 0.63               | 0.72               | 0.50               | 0.59               | 0.67               | 0.67               | 0.76               |
|                  |                    | PI                     | 0.45               | 0.45               | 0.45               | 0.45               | 0.45               | 0.47               | 0.47               | 0.47               | 0.47               | 0.47               | 0.50               | 0.50               | 0.50               | 0.50               | 0.50               | 0.53               | 0.53               | 0.53               | 0.53               | 0.53               |
|                  | 23°F<br>(-5.0°C)   | TC                     | 8804               | 8816               | 8825               | 8826               | 8838               | 9335               | 9346               | 9355               | 9357               | 9368               | 9892               | 9905               | 9916               | 9918               | 9929               | 10488              | 10500              | 10511              | 10513              | 10526              |
|                  |                    | S/T                    | 0.42               | 0.50               | 0.56               | 0.56               | 0.64               | 0.45               | 0.53               | 0.60               | 0.60               | 0.68               | 0.48               | 0.56               | 0.63               | 0.63               | 0.72               | 0.50               | 0.59               | 0.67               | 0.67               | 0.77               |
|                  |                    | PI                     | 0.46               | 0.46               | 0.46               | 0.46               | 0.46               | 0.48               | 0.48               | 0.48               | 0.48               | 0.48               | 0.49               | 0.51               | 0.51               | 0.51               | 0.51               | 0.54               | 0.54               | 0.54               | 0.54               | 0.55               |
|                  | 35°F<br>(1.7°C)    | TC                     | 9649               | 9662               | 9672               | 9673               | 9686               | 10231              | 10243              | 10253              | 10255              | 10267              | 10842              | 10856              | 10868              | 10870              | 10882              | 11495              | 11508              | 11520              | 11522              | 11536              |
|                  |                    | S/T                    | 0.43               | 0.50               | 0.57               | 0.57               | 0.65               | 0.45               | 0.53               | 0.60               | 0.60               | 0.69               | 0.48               | 0.56               | 0.64               | 0.64               | 0.73               | 0.51               | 0.59               | 0.68               | 0.68               | 0.77               |
|                  |                    | PI                     | 0.48               | 0.48               | 0.48               | 0.48               | 0.48               | 0.51               | 0.51               | 0.51               | 0.51               | 0.51               | 0.54               | 0.54               | 0.54               | 0.54               | 0.54               | 0.57               | 0.57               | 0.57               | 0.57               | 0.57               |
|                  | 41°F<br>(5.0°C)    | TC                     | 9398               | 9411               | 9421               | 9421               | 9434               | 9965               | 9976               | 9986               | 9988               | 10000              | 10560              | 10574              | 10585              | 10587              | 10599              | 11196              | 11208              | 11220              | 11222              | 11236              |
|                  |                    | S/T                    | 0.43               | 0.50               | 0.57               | 0.57               | 0.65               | 0.45               | 0.53               | 0.60               | 0.60               | 0.69               | 0.48               | 0.56               | 0.64               | 0.64               | 0.73               | 0.51               | 0.60               | 0.68               | 0.68               | 0.77               |
|                  |                    | PI                     | 0.48               | 0.48               | 0.48               | 0.48               | 0.48               | 0.51               | 0.51               | 0.51               | 0.51               | 0.51               | 0.54               | 0.54               | 0.54               | 0.54               | 0.54               | 0.57               | 0.57               | 0.57               | 0.57               | 0.58               |
|                  | 47°F<br>(8.3°C)    | TC                     | 9147               | 9160               | 9169               | 9170               | 9182               | 9699               | 9710               | 9720               | 9722               | 9733               | 10278              | 10291              | 10303              | 10305              | 10316              | 10897              | 10909              | 10921              | 10923              | 10936              |
|                  |                    | S/T                    | 0.43               | 0.50               | 0.57               | 0.57               | 0.65               | 0.45               | 0.53               | 0.60               | 0.60               | 0.69               | 0.48               | 0.56               | 0.64               | 0.64               | 0.73               | 0.51               | 0.60               | 0.68               | 0.68               | 0.77               |
|                  |                    | PI                     | 0.48               | 0.48               | 0.48               | 0.48               | 0.49               | 0.51               | 0.51               | 0.51               | 0.51               | 0.51               | 0.54               | 0.54               | 0.54               | 0.54               | 0.55               | 0.58               | 0.58               | 0.58               | 0.58               | 0.58               |
|                  | 50°F<br>(10.0°C)   | TC                     | 9233               | 9245               | 9255               | 9255               | 9268               | 9789               | 9801               | 9810               | 9812               | 9824               | 10374              | 10387              | 10399              | 10401              | 10412              | 10999              | 11011              | 11023              | 11025              | 11038              |
|                  |                    | S/T                    | 0.43               | 0.50               | 0.57               | 0.57               | 0.65               | 0.46               | 0.53               | 0.61               | 0.61               | 0.69               | 0.48               | 0.57               | 0.64               | 0.64               | 0.73               | 0.51               | 0.60               | 0.68               | 0.68               | 0.78               |
|                  |                    | PI                     | 0.48               | 0.48               | 0.48               | 0.48               | 0.48               | 0.51               | 0.51               | 0.51               | 0.51               | 0.51               | 0.54               | 0.54               | 0.54               | 0.54               | 0.54               | 0.57               | 0.57               | 0.57               | 0.57               | 0.57               |
|                  | 59°F<br>(15.0°C)   | TC                     | 9489               | 9502               | 9512               | 9512               | 9525               | 10061              | 10073              | 10082              | 10084              | 10096              | 10662              | 10676              | 10687              | 10689              | 10701              | 11304              | 11316              | 11329              | 11330              | 11345              |
|                  |                    | S/T                    | 0.43               | 0.51               | 0.58               | 0.58               | 0.66               | 0.46               | 0.54               | 0.61               | 0.61               | 0.70               | 0.49               | 0.57               | 0.65               | 0.65               | 0.74               | 0.51               | 0.60               | 0.69               | 0.69               | 0.78               |
|                  |                    | PI                     | 0.47               | 0.47               | 0.47               | 0.47               | 0.48               | 0.50               | 0.50               | 0.50               | 0.50               | 0.50               | 0.53               | 0.53               | 0.53               | 0.53               | 0.53               | 0.56               | 0.56               | 0.57               | 0.57               | 0.57               |
|                  | 68°F<br>(20.0°C)   | TC                     | 9745               | 9758               | 9769               | 9769               | 9782               | 10332              | 10344              | 10355              | 10357              | 10369              | 10949              | 10964              | 10976              | 10978              | 10990              | 11609              | 11622              | 11634              | 11636              | 11651              |
|                  |                    | S/T                    | 0.44               | 0.52               | 0.59               | 0.59               | 0.67               | 0.47               | 0.55               | 0.63               | 0.63               | 0.71               | 0.50               | 0.58               | 0.66               | 0.66               | 0.76               | 0.53               | 0.62               | 0.70               | 0.70               | 0.80               |
|                  |                    | PI                     | 0.47               | 0.47               | 0.47               | 0.47               | 0.47               | 0.49               | 0.49               | 0.49               | 0.49               | 0.50               | 0.52               | 0.52               | 0.52               | 0.52               | 0.53               | 0.55               | 0.56               | 0.56               | 0.56               | 0.56               |
|                  | 77°F<br>(25.0°C)   | TC                     | 10001              | 10014              | 10025              | 10026              | 10039              | 10604              | 10616              | 10627              | 10629              | 10642              | 11237              | 11252              | 11264              | 11267              | 11279              | 11914              | 11927              | 11940              | 11942              | 11957              |
|                  |                    | S/T                    | 0.45               | 0.53               | 0.60               | 0.60               | 0.68               | 0.48               | 0.56               | 0.63               | 0.63               | 0.72               | 0.50               | 0.59               | 0.67               | 0.67               | 0.77               | 0.53               | 0.63               | 0.71               | 0.71               | 0.81               |
|                  |                    | PI                     | 0.46               | 0.46               | 0.46               | 0.46               | 0.46               | 0.49               | 0.49               | 0.49               | 0.49               | 0.49               | 0.51               | 0.52               | 0.52               | 0.52               | 0.52               | 0.55               | 0.55               | 0.55               | 0.55               | 0.55               |
|                  | 82°F<br>(27.8°C)   | TC                     | 10073              | 10086              | 10097              | 10098              | 10111              | 10680              | 10693              | 10703              | 10705              | 10718              | 11318              | 11333              | 11345              | 11347              | 11360              | 12000              | 12013              | 12026              | 12028              | 12043              |
|                  |                    | S/T                    | 0.45               | 0.53               | 0.61               | 0.61               | 0.69               | 0.48               | 0.57               | 0.64               | 0.64               | 0.73               | 0.51               | 0.60               | 0.68               | 0.68               | 0.78               | 0.54               | 0.64               | 0.72               | 0.72               | 0.82               |
|                  |                    | PI                     | 0.52               | 0.52               | 0.52               | 0.52               | 0.52               | 0.55               | 0.55               | 0.55               | 0.55               | 0.55               | 0.59               | 0.59               | 0.59               | 0.59               | 0.59               | 0.62               | 0.62               | 0.62               | 0.62               | 0.62               |
|                  | 86°F<br>(30.0°C)   | TC                     | 10041              | 10055              | 10066              | 10066              | 10080              | 10647              | 10659              | 10670              | 10672              | 10684              | 11283              | 11297              | 11310              | 11312              | 11325              | 11962              | 11975              | 11988              | 11990              | 12005              |
|                  |                    | S/T                    | 0.46               | 0.54               | 0.61               | 0.61               | 0.70               | 0.49               | 0.57               | 0.65               | 0.65               | 0.74               | 0.52               | 0.61               | 0.69               | 0.69               | 0.79               | 0.55               | 0.64               | 0.73               | 0.73               | 0.83               |
|                  |                    | PI                     | 0.66               | 0.66               | 0.66               | 0.66               | 0.66               | 0.70               | 0.70               | 0.70               | 0.70               | 0.70               | 0.74               | 0.74               | 0.74               | 0.74               | 0.74               | 0.78               | 0.78               | 0.78               | 0.78               | 0.79               |
|                  | 95°F<br>(35.0°C)   | TC                     | 9971               | 9984               | 9995               | 9995               | 10009              | 10571              | 10584              |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |

COOLING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 9 (Sheet 4 of 4)

| AIRFLOW<br>(CFM) | OUTDOOR<br>DB(°F)  | ID WB(°F)<br>ID DB(°F) | 60.8°F(16.0°C)     |                    |                    |                    |                    | 64.4°F(18.0°C)     |                    |                    |                    |                    | 67°F(19.4°C)       |                    |                    |                    |                    | 71.6°F(22.0°C)     |                    |                    |                    |                    |
|------------------|--------------------|------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                  |                    |                        | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) |
|                  |                    |                        | TC                 | S/T                | PI                 | TC                 | S/T                | PI                 | TC                 | S/T                | PI                 | TC                 | S/T                | PI                 | TC                 | S/T                | PI                 | TC                 | S/T                | PI                 | TC                 | S/T                |
| 344              | -22°F<br>(-30.0°C) | TC                     | 8601               | 8612               | 8622               | 8622               | 8634               | 9119               | 9130               | 9139               | 9141               | 9152               | 9664               | 9677               | 9687               | 9689               | 9700               | 10246              | 10257              | 10269              | 10270              | 10283              |
|                  |                    | S/T                    | 0.48               | 0.56               | 0.63               | 0.63               | 0.72               | 0.50               | 0.59               | 0.67               | 0.67               | 0.77               | 0.53               | 0.63               | 0.71               | 0.71               | 0.81               | 0.57               | 0.67               | 0.76               | 0.76               | 0.86               |
|                  |                    | PI                     | 0.36               | 0.36               | 0.36               | 0.36               | 0.36               | 0.38               | 0.39               | 0.39               | 0.39               | 0.39               | 0.41               | 0.41               | 0.41               | 0.41               | 0.41               | 0.43               | 0.43               | 0.43               | 0.43               | 0.43               |
|                  | -13°F<br>(-25.0°C) | TC                     | 9318               | 9330               | 9340               | 9341               | 9353               | 9879               | 9891               | 9901               | 9903               | 9914               | 10469              | 10483              | 10495              | 10497              | 10508              | 11100              | 11112              | 11124              | 11126              | 11140              |
|                  |                    | S/T                    | 0.48               | 0.56               | 0.64               | 0.64               | 0.73               | 0.51               | 0.60               | 0.68               | 0.68               | 0.77               | 0.54               | 0.63               | 0.72               | 0.72               | 0.82               | 0.57               | 0.67               | 0.76               | 0.76               | 0.87               |
|                  |                    | PI                     | 0.39               | 0.39               | 0.39               | 0.39               | 0.39               | 0.42               | 0.42               | 0.42               | 0.42               | 0.42               | 0.44               | 0.44               | 0.44               | 0.44               | 0.44               | 0.47               | 0.47               | 0.47               | 0.47               | 0.47               |
|                  | -4°F<br>(-20.0°C)  | TC                     | 10034              | 10048              | 10059              | 10059              | 10073              | 10639              | 10652              | 10662              | 10664              | 10677              | 11275              | 11289              | 11302              | 11304              | 11317              | 11954              | 11967              | 11980              | 11982              | 11997              |
|                  |                    | S/T                    | 0.48               | 0.57               | 0.64               | 0.64               | 0.73               | 0.51               | 0.60               | 0.68               | 0.68               | 0.78               | 0.54               | 0.64               | 0.72               | 0.72               | 0.82               | 0.57               | 0.67               | 0.77               | 0.77               | 0.87               |
|                  |                    | PI                     | 0.42               | 0.42               | 0.42               | 0.42               | 0.43               | 0.45               | 0.45               | 0.45               | 0.45               | 0.45               | 0.48               | 0.48               | 0.48               | 0.48               | 0.48               | 0.50               | 0.50               | 0.51               | 0.51               | 0.51               |
|                  | 0°F<br>(-17.8°C)   | TC                     | 10353              | 10367              | 10378              | 10378              | 10392              | 10977              | 10990              | 11001              | 11003              | 11016              | 11633              | 11648              | 11661              | 11663              | 11676              | 12333              | 12347              | 12360              | 12362              | 12378              |
|                  |                    | S/T                    | 0.48               | 0.57               | 0.64               | 0.64               | 0.73               | 0.51               | 0.60               | 0.68               | 0.68               | 0.78               | 0.54               | 0.64               | 0.72               | 0.72               | 0.83               | 0.58               | 0.68               | 0.77               | 0.77               | 0.88               |
|                  |                    | PI                     | 0.44               | 0.44               | 0.44               | 0.44               | 0.44               | 0.46               | 0.46               | 0.46               | 0.46               | 0.46               | 0.49               | 0.49               | 0.49               | 0.49               | 0.49               | 0.52               | 0.52               | 0.52               | 0.52               | 0.52               |
|                  | 5°F<br>(-15.0°C)   | TC                     | 10751              | 10766              | 10777              | 10778              | 10792              | 11399              | 11412              | 11424              | 11426              | 11440              | 12080              | 12096              | 12109              | 12111              | 12125              | 12808              | 12822              | 12836              | 12838              | 12854              |
|                  |                    | S/T                    | 0.49               | 0.57               | 0.65               | 0.65               | 0.74               | 0.51               | 0.60               | 0.69               | 0.69               | 0.78               | 0.55               | 0.64               | 0.73               | 0.73               | 0.83               | 0.58               | 0.68               | 0.77               | 0.77               | 0.88               |
|                  |                    | PI                     | 0.45               | 0.45               | 0.45               | 0.45               | 0.46               | 0.48               | 0.48               | 0.48               | 0.48               | 0.48               | 0.51               | 0.51               | 0.51               | 0.51               | 0.51               | 0.54               | 0.54               | 0.54               | 0.54               | 0.54               |
|                  | 14°F<br>(-10.0°C)  | TC                     | 9974               | 9987               | 9998               | 9999               | 10012              | 10575              | 10588              | 10598              | 10600              | 10613              | 11207              | 11222              | 11234              | 11236              | 11249              | 11882              | 11895              | 11908              | 11910              | 11925              |
|                  |                    | S/T                    | 0.49               | 0.57               | 0.65               | 0.65               | 0.74               | 0.52               | 0.61               | 0.69               | 0.69               | 0.78               | 0.55               | 0.64               | 0.73               | 0.73               | 0.83               | 0.58               | 0.68               | 0.77               | 0.77               | 0.88               |
|                  |                    | PI                     | 0.50               | 0.50               | 0.50               | 0.50               | 0.50               | 0.53               | 0.53               | 0.53               | 0.53               | 0.53               | 0.56               | 0.56               | 0.56               | 0.56               | 0.56               | 0.60               | 0.60               | 0.60               | 0.60               | 0.60               |
|                  | 17°F<br>(-8.3°C)   | TC                     | 9715               | 9728               | 9739               | 9739               | 9752               | 10301              | 10313              | 10323              | 10325              | 10337              | 10916              | 10930              | 10942              | 10944              | 10957              | 11574              | 11586              | 11599              | 11601              | 11615              |
|                  |                    | S/T                    | 0.49               | 0.57               | 0.65               | 0.65               | 0.74               | 0.52               | 0.61               | 0.69               | 0.69               | 0.79               | 0.55               | 0.64               | 0.73               | 0.73               | 0.83               | 0.58               | 0.68               | 0.78               | 0.78               | 0.88               |
|                  |                    | PI                     | 0.52               | 0.52               | 0.52               | 0.52               | 0.52               | 0.55               | 0.55               | 0.55               | 0.55               | 0.55               | 0.58               | 0.58               | 0.58               | 0.58               | 0.58               | 0.61               | 0.62               | 0.62               | 0.62               | 0.62               |
|                  | 23°F<br>(-5.0°C)   | TC                     | 10205              | 10219              | 10230              | 10230              | 10244              | 10820              | 10833              | 10843              | 10845              | 10858              | 11466              | 11481              | 11494              | 11496              | 11509              | 12157              | 12170              | 12184              | 12185              | 12201              |
|                  |                    | S/T                    | 0.49               | 0.58               | 0.65               | 0.65               | 0.75               | 0.52               | 0.61               | 0.69               | 0.69               | 0.79               | 0.55               | 0.65               | 0.74               | 0.74               | 0.84               | 0.58               | 0.69               | 0.78               | 0.78               | 0.89               |
|                  |                    | PI                     | 0.53               | 0.53               | 0.53               | 0.53               | 0.53               | 0.56               | 0.56               | 0.56               | 0.56               | 0.56               | 0.59               | 0.60               | 0.60               | 0.60               | 0.60               | 0.63               | 0.63               | 0.63               | 0.63               | 0.63               |
|                  | 35°F<br>(1.7°C)    | TC                     | 11184              | 11199              | 11211              | 11212              | 11227              | 11858              | 11872              | 11884              | 11886              | 11901              | 12567              | 12583              | 12597              | 12599              | 12614              | 13324              | 13338              | 13353              | 13355              | 13372              |
|                  |                    | S/T                    | 0.49               | 0.58               | 0.66               | 0.66               | 0.75               | 0.52               | 0.61               | 0.70               | 0.70               | 0.79               | 0.55               | 0.65               | 0.74               | 0.74               | 0.84               | 0.59               | 0.69               | 0.78               | 0.78               | 0.89               |
|                  |                    | PI                     | 0.55               | 0.56               | 0.56               | 0.56               | 0.56               | 0.59               | 0.59               | 0.59               | 0.59               | 0.59               | 0.62               | 0.62               | 0.63               | 0.63               | 0.63               | 0.66               | 0.66               | 0.66               | 0.66               | 0.66               |
|                  | 41°F<br>(5.0°C)    | TC                     | 10893              | 10908              | 10920              | 10920              | 10935              | 11550              | 11564              | 11575              | 11577              | 11591              | 12240              | 12256              | 12270              | 12272              | 12286              | 12977              | 12992              | 13006              | 13008              | 13024              |
|                  |                    | S/T                    | 0.49               | 0.58               | 0.66               | 0.66               | 0.75               | 0.52               | 0.61               | 0.70               | 0.70               | 0.80               | 0.56               | 0.65               | 0.74               | 0.74               | 0.84               | 0.59               | 0.69               | 0.78               | 0.78               | 0.89               |
|                  |                    | PI                     | 0.56               | 0.56               | 0.56               | 0.56               | 0.56               | 0.59               | 0.59               | 0.59               | 0.59               | 0.59               | 0.63               | 0.63               | 0.63               | 0.63               | 0.63               | 0.66               | 0.66               | 0.67               | 0.67               | 0.67               |
|                  | 47°F<br>(8.3°C)    | TC                     | 10603              | 10617              | 10628              | 10629              | 10643              | 11242              | 11255              | 11266              | 11268              | 11282              | 11913              | 11929              | 11942              | 11944              | 11958              | 12631              | 12645              | 12659              | 12660              | 12676              |
|                  |                    | S/T                    | 0.50               | 0.58               | 0.66               | 0.66               | 0.75               | 0.53               | 0.62               | 0.70               | 0.70               | 0.80               | 0.56               | 0.65               | 0.74               | 0.74               | 0.85               | 0.59               | 0.69               | 0.79               | 0.79               | 0.90               |
|                  |                    | PI                     | 0.56               | 0.56               | 0.56               | 0.56               | 0.56               | 0.59               | 0.59               | 0.60               | 0.60               | 0.60               | 0.63               | 0.63               | 0.63               | 0.63               | 0.63               | 0.67               | 0.67               | 0.67               | 0.67               | 0.67               |
|                  | 50°F<br>(10.0°C)   | TC                     | 10702              | 10716              | 10728              | 10728              | 10742              | 11347              | 11360              | 11371              | 11373              | 11387              | 12024              | 12040              | 12053              | 12056              | 12069              | 12749              | 12763              | 12777              | 12779              | 12795              |
|                  |                    | S/T                    | 0.50               | 0.58               | 0.66               | 0.66               | 0.76               | 0.53               | 0.62               | 0.70               | 0.70               | 0.80               | 0.56               | 0.66               | 0.75               | 0.75               | 0.85               | 0.59               | 0.70               | 0.79               | 0.79               | 0.90               |
|                  |                    | PI                     | 0.56               | 0.56               | 0.56               | 0.56               | 0.56               | 0.59               | 0.59               | 0.59               | 0.59               | 0.59               | 0.63               | 0.63               | 0.63               | 0.63               | 0.63               | 0.66               | 0.66               | 0.67               | 0.67               | 0.67               |
|                  | 59°F<br>(15.0°C)   | TC                     | 10998              | 11013              | 11025              | 11026              | 11041              | 11661              | 11675              | 11687              | 11689              | 11703              | 12358              | 12374              | 12388              | 12390              | 12404              | 13103              | 13117              | 13131              | 13133              | 13150              |
|                  |                    | S/T                    | 0.50               | 0.59               | 0.67               | 0.67               | 0.76               | 0.53               | 0.62               | 0.71               | 0.71               | 0.81               | 0.56               | 0.66               | 0.75               | 0.75               | 0.86               | 0.60               | 0.70               | 0.80               | 0.80               | 0.91               |
|                  |                    | PI                     | 0.55               | 0.55               | 0.55               | 0.55               | 0.55               | 0.58               | 0.58               | 0.58               | 0.58               | 0.58               | 0.62               | 0.62               | 0.62               | 0.62               | 0.62               | 0.65               | 0.65               | 0.66               | 0.66               | 0.66               |
|                  | 68°F<br>(20.0°C)   | TC                     | 11295              | 11311              | 11323              | 11323              | 11339              | 11976              | 11990              | 12002              | 12004              | 12019              | 12692              | 12708              | 12722              | 12725              | 12739              | 13456              | 13471              | 13486              | 13488              | 13504              |
|                  |                    | S/T                    | 0.51               | 0.60               | 0.69               | 0.69               | 0.78               | 0.54               | 0.64               | 0.73               | 0.73               | 0.83               | 0.58               | 0.68               | 0.77               | 0.77               | 0.88               | 0.61               | 0.72               | 0.82               | 0.82               | 0.93               |
|                  |                    | PI                     | 0.54               | 0.54               | 0.54               | 0.54               | 0.54               | 0.57               | 0.57               | 0.57               | 0.57               | 0.57               | 0.61               | 0.61               | 0.61               | 0.61               | 0.61               | 0.64               | 0.64               | 0.64               | 0.64               | 0.65               |
|                  | 77°F<br>(25.0°C)   | TC                     | 11592              | 11608              | 11620              | 11621              | 11637              | 12291              | 12305              | 12318              | 12320              | 12335              | 13025              | 13042              | 13057              | 13059              | 13074              | 13810              | 13825              | 13840              | 13842              | 13859              |
|                  |                    | S/T                    | 0.52               | 0.61               | 0.69               | 0.69               | 0.79               | 0.55               | 0.65               | 0.74               | 0.74               | 0.84               | 0.59               | 0.69               | 0.78               | 0.78               | 0.89               | 0.62               | 0.73               | 0.83               | 0.83               | 0.94               |
|                  |                    | PI                     | 0.53               | 0.53               | 0.53               | 0.53               | 0.53               | 0.56               | 0.56               | 0.56               | 0.56               | 0.57               | 0.60               | 0.60               | 0.60               | 0.60               | 0.60               | 0.63               | 0.63               | 0.63               | 0.63               | 0.64               |
|                  | 82°F<br>(27.8°C)   | TC                     | 11675              | 11691              | 11704              | 11704              | 11720              | 12379              | 12394              | 12406              | 12408              | 12423              | 13119              | 13136              | 13150              | 13153              | 13168              | 13909              | 13924              | 13939              | 13942              | 13959              |
|                  |                    | S/T                    | 0.53               | 0.62               | 0.70               | 0.70               | 0.80               | 0.56               | 0.66               | 0.75               | 0.75               | 0.85               | 0.59               | 0.70               | 0.79               | 0.79               | 0.90               | 0.63               | 0.74               | 0.84               | 0.84               | 0.95               |
|                  |                    | PI                     | 0.60               | 0.61               | 0.61               | 0.61               | 0.61               | 0.64               | 0.64               | 0.64               | 0.64               | 0.64               | 0.68               | 0.68               | 0.68               | 0.68               | 0.68               | 0.72               | 0.72               | 0.72               | 0.72               | 0.72               |
|                  | 86°F<br>(30.0°C)   | TC                     | 11639              | 11655              | 11667              | 11668              | 11683              | 12340              | 12355              | 12367              | 12370              | 12384              | 13078              | 13095              | 13109              | 13112              | 13126              | 13866              | 13881              | 13896              | 13898              | 13915              |
|                  |                    | S/T                    | 0.53               | 0.63               | 0.71               | 0.71               | 0.81               | 0.57               | 0.66               | 0.75               | 0.75               | 0.86               | 0.60               | 0.70               | 0.80               | 0.80               | 0.91               | 0.64               | 0.75               | 0.85               | 0.85               | 0.97               |
|                  |                    | PI                     | 0.76               | 0.76               | 0.76               | 0.76               | 0.76               | 0.81               | 0.81               | 0.81               | 0.81               | 0.81               | 0.86               | 0.86               | 0.86               | 0.                 |                    |                    |                    |                    |                    |                    |

**Table 36 — High Static Slim Duct Heating Performance (9K)**

HEATING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 9 (Sheet 1 of 2)

| AIRFLOW<br>(CFM) | OUTDOOR<br>DB (°F) | TC: Total Heating Capacity (BTU/hr) |                  |                  |                    |                    | PI: Power Input (kW)      |                  |                  |                    |                    |
|------------------|--------------------|-------------------------------------|------------------|------------------|--------------------|--------------------|---------------------------|------------------|------------------|--------------------|--------------------|
|                  |                    | Indoor Conditions (DB °F)           |                  |                  |                    |                    | Indoor Conditions (DB °F) |                  |                  |                    |                    |
|                  |                    | 60.8°F<br>(16.0°C)                  | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) | 60.8°F<br>(16.0°C)        | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) |
| 201              | -22°F (-30.0°C)    | 3431                                | 3362             | 3345             | 3161               | 3133               | 1.44                      | 1.45             | 1.45             | 1.46               | 1.46               |
|                  | -13°F (-25.0°C)    | 4332                                | 4245             | 4224             | 3838               | 3803               | 1.54                      | 1.55             | 1.55             | 1.56               | 1.56               |
|                  | -4°F (-20.0°C)     | 5563                                | 5452             | 5425             | 4929               | 4885               | 1.60                      | 1.62             | 1.62             | 1.62               | 1.63               |
|                  | 0°F (-17.8°C)      | 6574                                | 6443             | 6410             | 5824               | 5772               | 1.70                      | 1.71             | 1.71             | 1.72               | 1.72               |
|                  | 5°F (-15.0°C)      | 7837                                | 7681             | 7642             | 6943               | 6881               | 1.81                      | 1.83             | 1.83             | 1.83               | 1.84               |
|                  | 14°F (-10.0°C)     | 8380                                | 8212             | 8171             | 7424               | 7357               | 1.86                      | 1.88             | 1.88             | 1.89               | 1.89               |
|                  | 17°F (-8.3°C)      | 8561                                | 8390             | 8348             | 7584               | 7516               | 1.88                      | 1.90             | 1.90             | 1.90               | 1.91               |
|                  | 22°F (-5.6°C)      | 8761                                | 8585             | 8542             | 7761               | 7692               | 1.85                      | 1.87             | 1.87             | 1.87               | 1.88               |
|                  | 27°F (-2.8°C)      | 8960                                | 8781             | 8737             | 7938               | 7867               | 1.82                      | 1.84             | 1.84             | 1.85               | 1.85               |
|                  | 32°F (0.0°C)       | 9160                                | 8977             | 8932             | 8115               | 8042               | 1.80                      | 1.81             | 1.82             | 1.82               | 1.83               |
|                  | 35°F (1.7°C)       | 9280                                | 9094             | 9049             | 8221               | 8147               | 1.78                      | 1.80             | 1.80             | 1.80               | 1.81               |
|                  | 37°F (2.8°C)       | 9535                                | 9344             | 9297             | 8447               | 8371               | 1.73                      | 1.74             | 1.74             | 1.75               | 1.75               |
|                  | 42°F (5.6°C)       | 10171                               | 9968             | 9918             | 9011               | 8930               | 1.59                      | 1.60             | 1.60             | 1.61               | 1.61               |
|                  | 44.6°F (7.0°C)     | 10426                               | 10217            | 10166            | 9237               | 9154               | 1.53                      | 1.54             | 1.55             | 1.55               | 1.56               |
|                  | 47°F (8.3°C)       | 10808                               | 10592            | 10539            | 9575               | 9489               | 1.45                      | 1.46             | 1.46             | 1.46               | 1.47               |
|                  | 52°F (11.1°C)      | 10568                               | 10357            | 10305            | 9363               | 9278               | 1.31                      | 1.32             | 1.32             | 1.32               | 1.33               |
|                  | 57°F (13.9°C)      | 10328                               | 10121            | 10071            | 9150               | 9068               | 1.17                      | 1.17             | 1.18             | 1.18               | 1.18               |
|                  | 59°F (15.0°C)      | 10232                               | 10027            | 9977             | 9065               | 8983               | 1.11                      | 1.12             | 1.12             | 1.12               | 1.13               |
|                  | 62°F (16.7°C)      | 10088                               | 9886             | 9837             | 8938               | 8857               | 1.02                      | 1.03             | 1.03             | 1.04               | 1.04               |
|                  | 64.4°F (18.0°C)    | 9992                                | 9792             | 9743             | 8853               | 8773               | 0.97                      | 0.98             | 0.98             | 0.98               | 0.98               |
| 231              | -22°F (-30.0°C)    | 4056                                | 3974             | 3955             | 3836               | 3802               | 1.45                      | 1.47             | 1.47             | 1.47               | 1.48               |
|                  | -13°F (-25.0°C)    | 5021                                | 4921             | 4896             | 4658               | 4616               | 1.55                      | 1.57             | 1.57             | 1.57               | 1.58               |
|                  | -4°F (-20.0°C)     | 6449                                | 6320             | 6288             | 5982               | 5928               | 1.62                      | 1.63             | 1.64             | 1.64               | 1.65               |
|                  | 0°F (-17.8°C)      | 7620                                | 7468             | 7430             | 7068               | 7005               | 1.71                      | 1.73             | 1.73             | 1.73               | 1.74               |
|                  | 5°F (-15.0°C)      | 9084                                | 8903             | 8858             | 8427               | 8351               | 1.83                      | 1.84             | 1.85             | 1.85               | 1.86               |
|                  | 14°F (-10.0°C)     | 9713                                | 9519             | 9471             | 9010               | 8929               | 1.88                      | 1.90             | 1.90             | 1.90               | 1.91               |
|                  | 17°F (-8.3°C)      | 9923                                | 9724             | 9676             | 9204               | 9122               | 1.90                      | 1.91             | 1.92             | 1.92               | 1.93               |
|                  | 22°F (-5.6°C)      | 10154                               | 9951             | 9902             | 9419               | 9334               | 1.87                      | 1.89             | 1.89             | 1.89               | 1.90               |
|                  | 27°F (-2.8°C)      | 10386                               | 10178            | 10127            | 9634               | 9547               | 1.84                      | 1.86             | 1.86             | 1.87               | 1.87               |
|                  | 32°F (0.0°C)       | 10617                               | 10405            | 10353            | 9849               | 9760               | 1.82                      | 1.83             | 1.83             | 1.84               | 1.84               |
|                  | 35°F (1.7°C)       | 10756                               | 10541            | 10489            | 9978               | 9888               | 1.80                      | 1.81             | 1.82             | 1.82               | 1.83               |
|                  | 37°F (2.8°C)       | 11052                               | 10830            | 10776            | 10251              | 10159              | 1.74                      | 1.76             | 1.76             | 1.76               | 1.77               |
|                  | 42°F (5.6°C)       | 11789                               | 11554            | 11496            | 10936              | 10837              | 1.60                      | 1.61             | 1.62             | 1.62               | 1.63               |
|                  | 44.6°F (7.0°C)     | 12085                               | 11843            | 11784            | 11210              | 11109              | 1.55                      | 1.56             | 1.56             | 1.56               | 1.57               |
|                  | 47°F (8.3°C)       | 12527                               | 12277            | 12215            | 11620              | 11516              | 1.46                      | 1.47             | 1.48             | 1.48               | 1.48               |
|                  | 52°F (11.1°C)      | 12249                               | 12004            | 11944            | 11362              | 11260              | 1.32                      | 1.33             | 1.33             | 1.34               | 1.34               |
|                  | 57°F (13.9°C)      | 11971                               | 11732            | 11673            | 11104              | 11005              | 1.18                      | 1.19             | 1.19             | 1.19               | 1.20               |
|                  | 59°F (15.0°C)      | 11860                               | 11623            | 11565            | 11001              | 10902              | 1.12                      | 1.13             | 1.13             | 1.13               | 1.14               |
|                  | 62°F (16.7°C)      | 11693                               | 11459            | 11402            | 10847              | 10749              | 1.03                      | 1.04             | 1.05             | 1.05               | 1.05               |
|                  | 64.4°F (18.0°C)    | 11582                               | 11350            | 11294            | 10743              | 10647              | 0.98                      | 0.99             | 0.99             | 0.99               | 0.99               |
| 288              | -22°F (-30.0°C)    | 4794                                | 4698             | 4675             | 4656               | 4614               | 1.47                      | 1.48             | 1.48             | 1.49               | 1.49               |
|                  | -13°F (-25.0°C)    | 5820                                | 5704             | 5675             | 5653               | 5602               | 1.57                      | 1.58             | 1.58             | 1.59               | 1.59               |
|                  | -4°F (-20.0°C)     | 7475                                | 7325             | 7288             | 7259               | 7194               | 1.64                      | 1.65             | 1.65             | 1.66               | 1.66               |
|                  | 0°F (-17.8°C)      | 8832                                | 8656             | 8612             | 8578               | 8501               | 1.73                      | 1.74             | 1.75             | 1.75               | 1.76               |
|                  | 5°F (-15.0°C)      | 10530                               | 10319            | 10267            | 10226              | 10134              | 1.85                      | 1.86             | 1.87             | 1.87               | 1.88               |
|                  | 14°F (-10.0°C)     | 11259                               | 11034            | 10978            | 10934              | 10836              | 1.90                      | 1.92             | 1.92             | 1.92               | 1.93               |
|                  | 17°F (-8.3°C)      | 11502                               | 11272            | 11215            | 11170              | 11070              | 1.92                      | 1.93             | 1.94             | 1.94               | 1.95               |
|                  | 22°F (-5.6°C)      | 11770                               | 11535            | 11477            | 11431              | 11328              | 1.89                      | 1.91             | 1.91             | 1.91               | 1.92               |
|                  | 27°F (-2.8°C)      | 12038                               | 11798            | 11739            | 11692              | 11586              | 1.86                      | 1.88             | 1.88             | 1.88               | 1.89               |
|                  | 32°F (0.0°C)       | 12307                               | 12061            | 12000            | 11952              | 11845              | 1.83                      | 1.85             | 1.85             | 1.86               | 1.86               |
|                  | 35°F (1.7°C)       | 12468                               | 12218            | 12157            | 12109              | 12000              | 1.82                      | 1.83             | 1.84             | 1.84               | 1.85               |
|                  | 37°F (2.8°C)       | 12810                               | 12554            | 12491            | 12441              | 12329              | 1.76                      | 1.77             | 1.78             | 1.78               | 1.79               |
|                  | 42°F (5.6°C)       | 13665                               | 13392            | 13325            | 13272              | 13152              | 1.62                      | 1.63             | 1.63             | 1.64               | 1.64               |
|                  | 44.6°F (7.0°C)     | 14007                               | 13727            | 13659            | 13604              | 13481              | 1.56                      | 1.57             | 1.58             | 1.58               | 1.59               |
|                  | 47°F (8.3°C)       | 14521                               | 14230            | 14159            | 14102              | 13975              | 1.48                      | 1.49             | 1.49             | 1.49               | 1.50               |
|                  | 52°F (11.1°C)      | 14198                               | 13914            | 13845            | 13789              | 13665              | 1.33                      | 1.34             | 1.35             | 1.35               | 1.35               |
|                  | 57°F (13.9°C)      | 13876                               | 13598            | 13530            | 13476              | 13355              | 1.19                      | 1.20             | 1.20             | 1.20               | 1.21               |
|                  | 59°F (15.0°C)      | 13747                               | 13472            | 13405            | 13351              | 13231              | 1.13                      | 1.14             | 1.14             | 1.15               | 1.15               |
|                  | 62°F (16.7°C)      | 13554                               | 13283            | 13216            | 13163              | 13045              | 1.05                      | 1.05             | 1.06             | 1.06               | 1.06               |
|                  | 64.4°F (18.0°C)    | 13425                               | 13156            | 13090            | 13038              | 12921              | 0.99                      | 1.00             | 1.00             | 1.00               | 1.00               |

## HEATING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 9 (Sheet 2 of 2)

| AIRFLOW<br>(CFM) | OUTDOOR<br>DB (°F) | TC: Total Heating Capacity (BTU/hr) |                  |                  |                    |                    | PI: Power Input (kW)      |                  |                  |                    |                    |
|------------------|--------------------|-------------------------------------|------------------|------------------|--------------------|--------------------|---------------------------|------------------|------------------|--------------------|--------------------|
|                  |                    | Indoor Conditions (DB °F)           |                  |                  |                    |                    | Indoor Conditions (DB °F) |                  |                  |                    |                    |
|                  |                    | 60.8°F<br>(16.0°C)                  | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) | 60.8°F<br>(16.0°C)        | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) |
| 344              | -22°F (-30.0°C)    | 5557                                | 5445             | 5418             | 5397               | 5348               | 1.48                      | 1.50             | 1.50             | 1.50               | 1.51               |
|                  | -13°F (-25.0°C)    | 6746                                | 6611             | 6578             | 6552               | 6493               | 1.58                      | 1.60             | 1.60             | 1.60               | 1.61               |
|                  | -4°F (-20.0°C)     | 8664                                | 8491             | 8448             | 8414               | 8339               | 1.65                      | 1.67             | 1.67             | 1.67               | 1.68               |
|                  | 0°F (-17.8°C)      | 10238                               | 10033            | 9983             | 9943               | 9853               | 1.75                      | 1.76             | 1.77             | 1.77               | 1.78               |
|                  | 5°F (-15.0°C)      | 12205                               | 11961            | 11901            | 11853              | 11747              | 1.87                      | 1.88             | 1.89             | 1.89               | 1.90               |
|                  | 14°F (-10.0°C)     | 13050                               | 12789            | 12725            | 12674              | 12560              | 1.92                      | 1.94             | 1.94             | 1.94               | 1.95               |
|                  | 17°F (-8.3°C)      | 13332                               | 13065            | 13000            | 12948              | 12831              | 1.94                      | 1.95             | 1.96             | 1.96               | 1.97               |
|                  | 22°F (-5.6°C)      | 13643                               | 13370            | 13303            | 13250              | 13131              | 1.91                      | 1.92             | 1.93             | 1.93               | 1.94               |
|                  | 27°F (-2.8°C)      | 13954                               | 13675            | 13606            | 13552              | 13430              | 1.88                      | 1.90             | 1.90             | 1.90               | 1.91               |
|                  | 32°F (-0.0°C)      | 14265                               | 13979            | 13910            | 13854              | 13729              | 1.85                      | 1.87             | 1.87             | 1.87               | 1.88               |
|                  | 35°F (1.7°C)       | 14451                               | 14162            | 14092            | 14035              | 13909              | 1.84                      | 1.85             | 1.85             | 1.86               | 1.87               |
|                  | 37°F (2.8°C)       | 14848                               | 14551            | 14478            | 14420              | 14291              | 1.78                      | 1.79             | 1.80             | 1.80               | 1.81               |
|                  | 42°F (5.6°C)       | 15839                               | 15523            | 15445            | 15383              | 15245              | 1.63                      | 1.65             | 1.65             | 1.65               | 1.66               |
|                  | 44.6°F (7.0°C)     | 16236                               | 15911            | 15832            | 15768              | 15626              | 1.58                      | 1.59             | 1.59             | 1.60               | 1.60               |
|                  | 47°F (8.3°C)       | 16831                               | 16494            | 16412            | 16346              | 16199              | 1.49                      | 1.50             | 1.51             | 1.51               | 1.52               |
|                  | 52°F (11.1°C)      | 16457                               | 16128            | 16047            | 15983              | 15839              | 1.35                      | 1.36             | 1.36             | 1.36               | 1.37               |
|                  | 57°F (13.9°C)      | 16084                               | 15762            | 15683            | 15620              | 15480              | 1.20                      | 1.21             | 1.21             | 1.22               | 1.22               |
|                  | 59°F (15.0°C)      | 15934                               | 15616            | 15537            | 15475              | 15336              | 1.14                      | 1.15             | 1.15             | 1.16               | 1.16               |
|                  | 62°F (16.7°C)      | 15710                               | 15396            | 15319            | 15258              | 15120              | 1.06                      | 1.06             | 1.07             | 1.07               | 1.07               |
|                  | 64.4°F (18.0°C)    | 15561                               | 15249            | 15173            | 15112              | 14976              | 1.00                      | 1.01             | 1.01             | 1.01               | 1.01               |

NOTE: Values in grey are extrapolated based on tested performance.

**Table 37 — High Static Slim Duct Cooling Performance (12K)**

COOLING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 12 (Sheet 1 of 4)

| AIR-FLOW<br>(CFM) | OUTDOOR<br>DB(°F)  | ID WB<br>(°F) | 60.8°F(16.0°C)     |                    |                    |                    |                    | 64.4°F(18.0°C)     |                    |                    |                    |                    | 67°F(19.4°C)       |                    |                    |                    |                    | 71.6°F(22.0°C)     |                    |                    |                    |                    |
|-------------------|--------------------|---------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                   |                    | ID DB<br>(°F) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) |
|                   |                    | (°F)          | (°F)               | (°F)               | (°F)               | (°F)               | (°F)               | (°F)               | (°F)               | (°F)               | (°F)               | (°F)               | (°F)               | (°F)               | (°F)               | (°F)               | (°F)               | (°F)               | (°F)               | (°F)               | (°F)               | (°F)               |
| 216               | -22°F<br>(-30.0°C) | TC            | 6021               | 6029               | 6036               | 6036               | 6044               | 6384               | 6392               | 6398               | 6399               | 6407               | 6765               | 6774               | 6782               | 6783               | 6791               | 7173               | 7181               | 7189               | 7190               | 7199               |
|                   |                    | S/T           | 0.30               | 0.36               | 0.40               | 0.40               | 0.46               | 0.32               | 0.38               | 0.43               | 0.43               | 0.49               | 0.34               | 0.40               | 0.45               | 0.45               | 0.52               | 0.36               | 0.42               | 0.48               | 0.48               | 0.55               |
|                   |                    | PI            | 0.35               | 0.35               | 0.36               | 0.36               | 0.36               | 0.38               | 0.38               | 0.38               | 0.38               | 0.38               | 0.40               | 0.40               | 0.40               | 0.40               | 0.40               | 0.42               | 0.42               | 0.42               | 0.42               | 0.42               |
|                   | -13°F<br>(-25.0°C) | TC            | 6523               | 6532               | 6539               | 6539               | 6548               | 6916               | 6924               | 6931               | 6932               | 6941               | 7329               | 7339               | 7347               | 7348               | 7356               | 7771               | 7779               | 7788               | 7789               | 7799               |
|                   |                    | S/T           | 0.31               | 0.36               | 0.41               | 0.41               | 0.46               | 0.32               | 0.38               | 0.43               | 0.43               | 0.49               | 0.34               | 0.40               | 0.46               | 0.46               | 0.52               | 0.36               | 0.43               | 0.49               | 0.49               | 0.55               |
|                   |                    | PI            | 0.38               | 0.38               | 0.38               | 0.38               | 0.39               | 0.41               | 0.41               | 0.41               | 0.41               | 0.41               | 0.43               | 0.43               | 0.43               | 0.43               | 0.43               | 0.46               | 0.46               | 0.46               | 0.46               | 0.46               |
|                   | -4°F<br>(-20.0°C)  | TC            | 7025               | 7034               | 7042               | 7042               | 7051               | 7448               | 7457               | 7464               | 7466               | 7475               | 7893               | 7903               | 7912               | 7913               | 7922               | 8369               | 8378               | 8387               | 8388               | 8398               |
|                   |                    | S/T           | 0.31               | 0.36               | 0.41               | 0.41               | 0.47               | 0.33               | 0.38               | 0.43               | 0.43               | 0.50               | 0.35               | 0.41               | 0.46               | 0.46               | 0.52               | 0.37               | 0.43               | 0.49               | 0.49               | 0.56               |
|                   |                    | PI            | 0.41               | 0.41               | 0.41               | 0.41               | 0.41               | 0.44               | 0.44               | 0.44               | 0.44               | 0.44               | 0.46               | 0.46               | 0.47               | 0.47               | 0.47               | 0.49               | 0.49               | 0.49               | 0.49               | 0.49               |
|                   | 0°F<br>(-17.8°C)   | TC            | 7248               | 7257               | 7265               | 7266               | 7275               | 7684               | 7694               | 7701               | 7703               | 7712               | 8144               | 8154               | 8163               | 8165               | 8174               | 8634               | 8644               | 8653               | 8654               | 8665               |
|                   |                    | S/T           | 0.31               | 0.36               | 0.41               | 0.41               | 0.47               | 0.33               | 0.38               | 0.44               | 0.44               | 0.50               | 0.35               | 0.41               | 0.46               | 0.46               | 0.53               | 0.37               | 0.43               | 0.49               | 0.49               | 0.56               |
|                   |                    | PI            | 0.43               | 0.43               | 0.43               | 0.43               | 0.43               | 0.45               | 0.45               | 0.45               | 0.45               | 0.45               | 0.48               | 0.48               | 0.48               | 0.48               | 0.48               | 0.51               | 0.51               | 0.51               | 0.51               | 0.51               |
|                   | 5°F<br>(-15.0°C)   | TC            | 7526               | 7537               | 7545               | 7545               | 7555               | 7980               | 7989               | 7997               | 7999               | 8008               | 8457               | 8468               | 8477               | 8479               | 8488               | 8966               | 8976               | 8986               | 8987               | 8998               |
|                   |                    | S/T           | 0.31               | 0.36               | 0.41               | 0.41               | 0.47               | 0.33               | 0.39               | 0.44               | 0.44               | 0.50               | 0.35               | 0.41               | 0.46               | 0.46               | 0.53               | 0.37               | 0.43               | 0.49               | 0.49               | 0.56               |
|                   |                    | PI            | 0.44               | 0.44               | 0.44               | 0.44               | 0.44               | 0.47               | 0.47               | 0.47               | 0.47               | 0.47               | 0.50               | 0.50               | 0.50               | 0.50               | 0.50               | 0.53               | 0.53               | 0.53               | 0.53               | 0.53               |
|                   | 14°F<br>(-10.0°C)  | TC            | 7677               | 7687               | 7696               | 7696               | 7706               | 8140               | 8149               | 8157               | 8159               | 8169               | 8626               | 8637               | 8647               | 8648               | 8658               | 9146               | 9156               | 9166               | 9167               | 9179               |
|                   |                    | S/T           | 0.31               | 0.36               | 0.41               | 0.41               | 0.47               | 0.33               | 0.39               | 0.44               | 0.44               | 0.50               | 0.35               | 0.41               | 0.47               | 0.47               | 0.53               | 0.37               | 0.43               | 0.49               | 0.49               | 0.56               |
|                   |                    | PI            | 0.45               | 0.45               | 0.45               | 0.45               | 0.45               | 0.48               | 0.48               | 0.48               | 0.48               | 0.48               | 0.51               | 0.51               | 0.51               | 0.51               | 0.51               | 0.54               | 0.54               | 0.54               | 0.54               | 0.54               |
|                   | 17°F<br>(-8.3°C)   | TC            | 7727               | 7738               | 7746               | 7746               | 7757               | 8193               | 8203               | 8211               | 8212               | 8222               | 8682               | 8694               | 8703               | 8705               | 8715               | 9206               | 9216               | 9226               | 9227               | 9239               |
|                   |                    | S/T           | 0.31               | 0.37               | 0.42               | 0.42               | 0.47               | 0.33               | 0.39               | 0.44               | 0.44               | 0.50               | 0.35               | 0.41               | 0.47               | 0.47               | 0.53               | 0.37               | 0.44               | 0.49               | 0.49               | 0.56               |
|                   |                    | PI            | 0.45               | 0.45               | 0.45               | 0.45               | 0.45               | 0.48               | 0.48               | 0.48               | 0.48               | 0.48               | 0.51               | 0.51               | 0.51               | 0.51               | 0.51               | 0.54               | 0.54               | 0.54               | 0.54               | 0.54               |
|                   | 23°F<br>(-5.0°C)   | TC            | 7557               | 7567               | 7576               | 7576               | 7586               | 8013               | 8022               | 8030               | 8032               | 8041               | 8491               | 8503               | 8512               | 8514               | 8523               | 9003               | 9013               | 9023               | 9024               | 9035               |
|                   |                    | S/T           | 0.31               | 0.37               | 0.42               | 0.42               | 0.48               | 0.33               | 0.39               | 0.44               | 0.44               | 0.50               | 0.35               | 0.41               | 0.47               | 0.47               | 0.53               | 0.37               | 0.44               | 0.50               | 0.50               | 0.57               |
|                   |                    | PI            | 0.44               | 0.44               | 0.44               | 0.44               | 0.44               | 0.47               | 0.47               | 0.47               | 0.47               | 0.47               | 0.49               | 0.49               | 0.50               | 0.50               | 0.50               | 0.52               | 0.52               | 0.52               | 0.52               | 0.53               |
|                   | 35°F<br>(1.7°C)    | TC            | 7217               | 7227               | 7235               | 7235               | 7245               | 7652               | 7661               | 7669               | 7670               | 7680               | 8109               | 8120               | 8129               | 8131               | 8140               | 8598               | 8607               | 8617               | 8618               | 8629               |
|                   |                    | S/T           | 0.31               | 0.37               | 0.42               | 0.42               | 0.48               | 0.33               | 0.39               | 0.44               | 0.44               | 0.51               | 0.35               | 0.41               | 0.47               | 0.47               | 0.54               | 0.37               | 0.44               | 0.50               | 0.50               | 0.57               |
|                   |                    | PI            | 0.41               | 0.41               | 0.41               | 0.41               | 0.41               | 0.44               | 0.44               | 0.44               | 0.44               | 0.44               | 0.46               | 0.46               | 0.46               | 0.46               | 0.47               | 0.49               | 0.49               | 0.49               | 0.49               | 0.49               |
|                   | 41°F<br>(5.0°C)    | TC            | 7036               | 7045               | 7053               | 7053               | 7063               | 7460               | 7469               | 7476               | 7477               | 7486               | 7905               | 7916               | 7924               | 7926               | 7935               | 8382               | 8391               | 8400               | 8401               | 8412               |
|                   |                    | S/T           | 0.32               | 0.37               | 0.42               | 0.42               | 0.48               | 0.33               | 0.39               | 0.45               | 0.45               | 0.51               | 0.35               | 0.42               | 0.47               | 0.47               | 0.54               | 0.38               | 0.44               | 0.50               | 0.50               | 0.57               |
|                   |                    | PI            | 0.39               | 0.40               | 0.40               | 0.40               | 0.40               | 0.42               | 0.42               | 0.42               | 0.42               | 0.42               | 0.44               | 0.44               | 0.44               | 0.44               | 0.45               | 0.47               | 0.47               | 0.47               | 0.47               | 0.47               |
|                   | 47°F<br>(8.3°C)    | TC            | 6854               | 6863               | 6871               | 6871               | 6880               | 7267               | 7276               | 7283               | 7284               | 7293               | 7701               | 7711               | 7720               | 7721               | 7730               | 8165               | 8174               | 8183               | 8184               | 8195               |
|                   |                    | S/T           | 0.32               | 0.37               | 0.42               | 0.42               | 0.48               | 0.34               | 0.39               | 0.45               | 0.45               | 0.51               | 0.36               | 0.42               | 0.47               | 0.47               | 0.54               | 0.38               | 0.44               | 0.50               | 0.50               | 0.57               |
|                   |                    | PI            | 0.38               | 0.38               | 0.38               | 0.38               | 0.38               | 0.40               | 0.40               | 0.40               | 0.40               | 0.40               | 0.42               | 0.42               | 0.42               | 0.42               | 0.43               | 0.45               | 0.45               | 0.45               | 0.45               | 0.45               |
|                   | 50°F<br>(10.0°C)   | TC            | 6948               | 6957               | 6965               | 6965               | 6974               | 7366               | 7375               | 7382               | 7384               | 7393               | 7807               | 7817               | 7825               | 7827               | 7836               | 8277               | 8286               | 8295               | 8296               | 8307               |
|                   |                    | S/T           | 0.32               | 0.37               | 0.42               | 0.42               | 0.48               | 0.34               | 0.40               | 0.45               | 0.45               | 0.51               | 0.36               | 0.42               | 0.48               | 0.48               | 0.54               | 0.38               | 0.44               | 0.50               | 0.50               | 0.58               |
|                   |                    | PI            | 0.38               | 0.38               | 0.38               | 0.38               | 0.38               | 0.40               | 0.40               | 0.40               | 0.40               | 0.40               | 0.43               | 0.43               | 0.43               | 0.43               | 0.43               | 0.45               | 0.45               | 0.45               | 0.45               | 0.45               |
|                   | 59°F<br>(15.0°C)   | TC            | 7229               | 7238               | 7246               | 7246               | 7256               | 7664               | 7673               | 7681               | 7682               | 7691               | 8122               | 8133               | 8142               | 8143               | 8152               | 8611               | 8621               | 8630               | 8632               | 8642               |
|                   |                    | S/T           | 0.32               | 0.37               | 0.43               | 0.43               | 0.49               | 0.34               | 0.40               | 0.45               | 0.45               | 0.51               | 0.36               | 0.42               | 0.48               | 0.48               | 0.55               | 0.38               | 0.45               | 0.51               | 0.51               | 0.58               |
|                   |                    | PI            | 0.39               | 0.39               | 0.39               | 0.39               | 0.39               | 0.41               | 0.41               | 0.41               | 0.41               | 0.41               | 0.44               | 0.44               | 0.44               | 0.44               | 0.44               | 0.46               | 0.46               | 0.46               | 0.46               | 0.46               |
|                   | 68°F<br>(20.0°C)   | TC            | 7509               | 7520               | 7528               | 7528               | 7538               | 7962               | 7971               | 7979               | 7981               | 7990               | 8438               | 8449               | 8458               | 8460               | 8469               | 8946               | 8956               | 8966               | 8967               | 8978               |
|                   |                    | S/T           | 0.33               | 0.38               | 0.44               | 0.44               | 0.50               | 0.35               | 0.41               | 0.46               | 0.46               | 0.53               | 0.37               | 0.43               | 0.49               | 0.49               | 0.56               | 0.39               | 0.46               | 0.52               | 0.52               | 0.59               |
|                   |                    | PI            | 0.39               | 0.40               | 0.40               | 0.40               | 0.40               | 0.42               | 0.42               | 0.42               | 0.42               | 0.42               | 0.44               | 0.44               | 0.44               | 0.44               | 0.45               | 0.47               | 0.47               | 0.47               | 0.47               | 0.47               |
|                   | 77°F<br>(25.0°C)   | TC            | 7790               | 7801               | 7809               | 7809               | 7820               | 8260               | 8270               | 8278               | 8279               | 8289               | 8753               | 8765               | 8774               | 8776               | 8786               | 9281               | 9291               | 9301               | 9302               | 9314               |
|                   |                    | S/T           | 0.33               | 0.39               | 0.44               | 0.44               | 0.50               | 0.35               | 0.41               | 0.47               | 0.47               | 0.53               | 0.37               | 0.44               | 0.50               | 0.50               | 0.57               | 0.40               | 0.46               | 0.53               | 0.53               | 0.60               |
|                   |                    | PI            | 0.40               | 0.40               | 0.40               | 0.40               | 0.40               | 0.43               | 0.43               | 0.43               | 0.43               | 0.43               | 0.45               | 0.45               | 0.45               | 0.45               | 0.45               | 0.48               | 0.48               | 0.48               | 0.48               | 0.48               |
|                   | 82°F<br>(27.8°C)   | TC            | 7839               | 7849               | 7858               | 7858               | 7869               | 8311               | 8321               | 8329               | 8331               | 8341               | 8808               | 8819               | 8829               | 8831               | 8841               | 9338               | 9349               | 9359               | 9360               | 9372               |
|                   |                    | S/T           | 0.34               | 0.39               | 0.45               | 0.45               | 0.51               | 0.36               | 0.42               | 0.48               | 0.48               | 0.54               | 0.38               | 0.44               | 0.50               | 0.50               | 0.57               | 0.40               | 0.47               | 0.53               | 0.53               | 0.61               |
|                   |                    | PI            | 0.44               | 0.44               | 0.44               | 0.44               | 0.44               | 0.47               | 0.47               | 0.47               | 0.47               | 0.47               | 0.49               | 0.49               | 0.49               | 0.49               | 0.50               | 0.52               | 0.52               | 0.52               | 0.52               | 0.53               |
|                   | 86°F<br>(30.0°C)   | TC            | 7742               | 7753               | 7761               | 7761               | 7772               | 8209               | 8218               | 8227               | 8228               | 8238               | 8699               | 8710               | 8720               | 8722               | 8731               | 9223               | 9233               | 9243               | 9245               | 9256               |
|                   |                    | S/T           | 0.34               | 0.40               | 0.45               | 0.45               | 0.52               | 0.36               | 0.42               | 0.48               | 0.48               | 0.55               | 0.38               | 0.45               | 0.51               | 0.51               | 0.58               | 0.41               | 0.48               | 0.54               | 0.54               | 0.62               |
|                   |                    | PI            | 0.51               | 0.51               | 0.51               | 0.51               | 0.51               | 0.54               | 0.54               | 0.54               | 0.54               | 0.54               | 0.57               | 0.57               | 0.58               | 0.58               | 0.58               | 0.61               | 0.61               | 0.61               | 0.61               | 0.61               |
|                   | 95°F<br>(35.0°C)   | TC            | 7524               | 7535               | 7543               | 7543               | 7553               | 7978               | 7987               | 7995               | 7997               | 8006               | 8455               | 8466               | 8475               | 8477               | 8486               | 8964               | 8974               | 8983               | 8985               | 8996               |
|                   |                    | S/T           | 0.34               | 0.40               | 0.45               | 0.45               | 0.52               | 0.36               | 0.42               | 0.48               | 0.48               | 0.55               | 0.38               | 0.45               | 0.51               | 0.51               | 0.58               | 0.41               | 0.48               | 0.54               | 0.54               | 0.62               |

## COOLING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 12 (Sheet 2 of 4)

| AIR-<br>FLOW<br>(CFM) | OUTDOOR<br>DB(°F)  | ID WB<br>(°F) | 60.8°F(16.0°C)     |                    |                    |                    |                    | 64.4°F(18.0°C)     |                    |                    |                    |                    | 67°F(19.4°C)       |                    |                    |                    |                    | 71.6°F(22.0°C)     |                    |                    |                    |                    |
|-----------------------|--------------------|---------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                       |                    | ID DB<br>(°F) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) |
|                       |                    |               |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |
| 256                   | -22°F<br>(-30.0°C) | TC            | 6995               | 7005               | 7012               | 7013               | 7022               | 7417               | 7426               | 7433               | 7434               | 7443               | 7860               | 7870               | 7879               | 7880               | 7889               | 8334               | 8343               | 8352               | 8353               | 8363               |
|                       |                    | S/T           | 0.35               | 0.41               | 0.47               | 0.47               | 0.54               | 0.37               | 0.44               | 0.50               | 0.50               | 0.57               | 0.40               | 0.46               | 0.53               | 0.53               | 0.60               | 0.42               | 0.49               | 0.56               | 0.56               | 0.64               |
|                       |                    | PI            | 0.41               | 0.41               | 0.41               | 0.41               | 0.41               | 0.44               | 0.44               | 0.44               | 0.44               | 0.44               | 0.46               | 0.46               | 0.46               | 0.46               | 0.46               | 0.49               | 0.49               | 0.49               | 0.49               | 0.49               |
|                       | -13°F<br>(-25.0°C) | TC            | 7578               | 7588               | 7597               | 7597               | 7607               | 8035               | 8044               | 8052               | 8054               | 8063               | 8515               | 8526               | 8535               | 8537               | 8547               | 9028               | 9038               | 9048               | 9049               | 9060               |
|                       |                    | S/T           | 0.36               | 0.42               | 0.47               | 0.47               | 0.54               | 0.38               | 0.44               | 0.50               | 0.50               | 0.57               | 0.40               | 0.47               | 0.53               | 0.53               | 0.61               | 0.42               | 0.50               | 0.56               | 0.56               | 0.64               |
|                       |                    | PI            | 0.45               | 0.45               | 0.45               | 0.45               | 0.45               | 0.47               | 0.47               | 0.47               | 0.47               | 0.47               | 0.50               | 0.50               | 0.50               | 0.50               | 0.50               | 0.53               | 0.53               | 0.53               | 0.53               | 0.53               |
|                       | -4°F<br>(-20.0°C)  | TC            | 8161               | 8172               | 8181               | 8181               | 8192               | 8653               | 8663               | 8672               | 8673               | 8684               | 9170               | 9182               | 9192               | 9194               | 9204               | 9722               | 9733               | 9744               | 9745               | 9757               |
|                       |                    | S/T           | 0.36               | 0.42               | 0.48               | 0.48               | 0.54               | 0.38               | 0.44               | 0.50               | 0.50               | 0.58               | 0.40               | 0.47               | 0.53               | 0.54               | 0.61               | 0.43               | 0.50               | 0.57               | 0.57               | 0.65               |
|                       |                    | PI            | 0.48               | 0.48               | 0.48               | 0.48               | 0.48               | 0.51               | 0.51               | 0.51               | 0.51               | 0.51               | 0.54               | 0.54               | 0.54               | 0.54               | 0.54               | 0.57               | 0.57               | 0.57               | 0.57               | 0.57               |
|                       | 0°F<br>(-17.8°C)   | TC            | 8420               | 8432               | 8441               | 8441               | 8452               | 8928               | 8938               | 8947               | 8949               | 8959               | 9461               | 9473               | 9484               | 9486               | 9496               | 10031              | 10042              | 10053              | 10054              | 10067              |
|                       |                    | S/T           | 0.36               | 0.42               | 0.48               | 0.48               | 0.54               | 0.38               | 0.45               | 0.51               | 0.51               | 0.58               | 0.40               | 0.47               | 0.54               | 0.54               | 0.61               | 0.43               | 0.50               | 0.57               | 0.57               | 0.65               |
|                       |                    | PI            | 0.50               | 0.50               | 0.50               | 0.50               | 0.50               | 0.53               | 0.53               | 0.53               | 0.53               | 0.53               | 0.56               | 0.56               | 0.56               | 0.56               | 0.56               | 0.59               | 0.59               | 0.59               | 0.59               | 0.59               |
|                       | 5°F<br>(-15.0°C)   | TC            | 8744               | 8756               | 8765               | 8766               | 8777               | 9271               | 9282               | 9291               | 9293               | 9304               | 9825               | 9838               | 9849               | 9850               | 9861               | 10417              | 10428              | 10440              | 10441              | 10454              |
|                       |                    | S/T           | 0.36               | 0.42               | 0.48               | 0.48               | 0.55               | 0.38               | 0.45               | 0.51               | 0.51               | 0.58               | 0.40               | 0.47               | 0.54               | 0.54               | 0.61               | 0.43               | 0.50               | 0.57               | 0.57               | 0.65               |
|                       |                    | PI            | 0.51               | 0.52               | 0.52               | 0.52               | 0.52               | 0.55               | 0.55               | 0.55               | 0.55               | 0.55               | 0.58               | 0.58               | 0.58               | 0.58               | 0.58               | 0.61               | 0.61               | 0.61               | 0.61               | 0.61               |
|                       | 14°F<br>(-10.0°C)  | TC            | 8919               | 8931               | 8941               | 8941               | 8953               | 9457               | 9468               | 9477               | 9479               | 9490               | 10022              | 10035              | 10046              | 10048              | 10059              | 10625              | 10637              | 10649              | 10650              | 10663              |
|                       |                    | S/T           | 0.36               | 0.42               | 0.48               | 0.48               | 0.55               | 0.38               | 0.45               | 0.51               | 0.51               | 0.58               | 0.41               | 0.48               | 0.54               | 0.54               | 0.62               | 0.43               | 0.50               | 0.57               | 0.57               | 0.65               |
|                       |                    | PI            | 0.52               | 0.52               | 0.52               | 0.52               | 0.53               | 0.55               | 0.56               | 0.56               | 0.56               | 0.56               | 0.59               | 0.59               | 0.59               | 0.59               | 0.59               | 0.62               | 0.62               | 0.62               | 0.62               | 0.63               |
|                       | 17°F<br>(-8.3°C)   | TC            | 8977               | 8990               | 8999               | 9000               | 9012               | 9519               | 9530               | 9539               | 9541               | 9552               | 10087              | 10100              | 10112              | 10113              | 10125              | 10695              | 10707              | 10718              | 10720              | 10733              |
|                       |                    | S/T           | 0.36               | 0.42               | 0.48               | 0.48               | 0.55               | 0.38               | 0.45               | 0.51               | 0.51               | 0.58               | 0.41               | 0.48               | 0.54               | 0.54               | 0.62               | 0.43               | 0.51               | 0.57               | 0.57               | 0.65               |
|                       |                    | PI            | 0.53               | 0.53               | 0.53               | 0.53               | 0.53               | 0.56               | 0.56               | 0.56               | 0.56               | 0.56               | 0.59               | 0.59               | 0.59               | 0.59               | 0.59               | 0.63               | 0.63               | 0.63               | 0.63               | 0.63               |
|                       | 23°F<br>(-5.0°C)   | TC            | 8780               | 8792               | 8801               | 8802               | 8814               | 9309               | 9320               | 9329               | 9331               | 9342               | 9865               | 9878               | 9889               | 9891               | 9902               | 10460              | 10471              | 10482              | 10484              | 10497              |
|                       |                    | S/T           | 0.36               | 0.43               | 0.48               | 0.48               | 0.55               | 0.39               | 0.45               | 0.51               | 0.51               | 0.59               | 0.41               | 0.48               | 0.54               | 0.54               | 0.62               | 0.43               | 0.51               | 0.58               | 0.58               | 0.66               |
|                       |                    | PI            | 0.51               | 0.51               | 0.51               | 0.51               | 0.51               | 0.54               | 0.54               | 0.54               | 0.54               | 0.54               | 0.57               | 0.57               | 0.58               | 0.58               | 0.58               | 0.61               | 0.61               | 0.61               | 0.61               | 0.61               |
|                       | 35°F<br>(1.7°C)    | TC            | 8385               | 8396               | 8405               | 8406               | 8417               | 8890               | 8901               | 8910               | 8911               | 8922               | 9421               | 9434               | 9444               | 9446               | 9456               | 9989               | 10000              | 10011              | 10012              | 10025              |
|                       |                    | S/T           | 0.37               | 0.43               | 0.49               | 0.49               | 0.56               | 0.39               | 0.45               | 0.52               | 0.52               | 0.59               | 0.41               | 0.48               | 0.55               | 0.55               | 0.62               | 0.44               | 0.51               | 0.58               | 0.58               | 0.66               |
|                       |                    | PI            | 0.48               | 0.48               | 0.48               | 0.48               | 0.48               | 0.51               | 0.51               | 0.51               | 0.51               | 0.51               | 0.54               | 0.54               | 0.54               | 0.54               | 0.54               | 0.57               | 0.57               | 0.57               | 0.57               | 0.57               |
|                       | 41°F<br>(5.0°C)    | TC            | 8174               | 8185               | 8194               | 8194               | 8205               | 8667               | 8677               | 8685               | 8687               | 8697               | 9184               | 9196               | 9207               | 9208               | 9219               | 9738               | 9748               | 9759               | 9760               | 9773               |
|                       |                    | S/T           | 0.37               | 0.43               | 0.49               | 0.49               | 0.56               | 0.39               | 0.46               | 0.52               | 0.52               | 0.59               | 0.41               | 0.48               | 0.55               | 0.55               | 0.63               | 0.44               | 0.51               | 0.58               | 0.58               | 0.66               |
|                       |                    | PI            | 0.46               | 0.46               | 0.46               | 0.46               | 0.46               | 0.49               | 0.49               | 0.49               | 0.49               | 0.49               | 0.52               | 0.52               | 0.52               | 0.52               | 0.52               | 0.55               | 0.55               | 0.55               | 0.55               | 0.55               |
|                       | 47°F<br>(8.3°C)    | TC            | 7963               | 7974               | 7982               | 7983               | 7993               | 8443               | 8453               | 8461               | 8463               | 8473               | 8947               | 8959               | 8969               | 8971               | 8981               | 9486               | 9497               | 9507               | 9509               | 9520               |
|                       |                    | S/T           | 0.37               | 0.43               | 0.49               | 0.49               | 0.56               | 0.39               | 0.46               | 0.52               | 0.52               | 0.59               | 0.41               | 0.48               | 0.55               | 0.55               | 0.63               | 0.44               | 0.51               | 0.58               | 0.58               | 0.66               |
|                       |                    | PI            | 0.44               | 0.44               | 0.44               | 0.44               | 0.44               | 0.46               | 0.47               | 0.47               | 0.47               | 0.47               | 0.49               | 0.49               | 0.49               | 0.49               | 0.49               | 0.52               | 0.52               | 0.52               | 0.52               | 0.52               |
|                       | 50°F<br>(10.0°C)   | TC            | 8072               | 8083               | 8091               | 8092               | 8103               | 8558               | 8568               | 8577               | 8579               | 8589               | 9070               | 9081               | 9091               | 9093               | 9103               | 9616               | 9626               | 9637               | 9638               | 9650               |
|                       |                    | S/T           | 0.37               | 0.43               | 0.49               | 0.49               | 0.56               | 0.39               | 0.46               | 0.52               | 0.52               | 0.59               | 0.41               | 0.49               | 0.55               | 0.55               | 0.63               | 0.44               | 0.52               | 0.59               | 0.59               | 0.67               |
|                       |                    | PI            | 0.44               | 0.44               | 0.44               | 0.44               | 0.44               | 0.47               | 0.47               | 0.47               | 0.47               | 0.47               | 0.50               | 0.50               | 0.50               | 0.50               | 0.50               | 0.53               | 0.53               | 0.53               | 0.53               | 0.53               |
|                       | 59°F<br>(15.0°C)   | TC            | 8398               | 8409               | 8418               | 8419               | 8430               | 8904               | 8915               | 8924               | 8925               | 8936               | 9436               | 9448               | 9459               | 9461               | 9471               | 10005              | 10016              | 10026              | 10028              | 10041              |
|                       |                    | S/T           | 0.37               | 0.44               | 0.49               | 0.49               | 0.56               | 0.39               | 0.46               | 0.52               | 0.52               | 0.60               | 0.42               | 0.49               | 0.56               | 0.56               | 0.63               | 0.44               | 0.52               | 0.59               | 0.59               | 0.67               |
|                       |                    | PI            | 0.45               | 0.45               | 0.45               | 0.45               | 0.45               | 0.48               | 0.48               | 0.48               | 0.48               | 0.48               | 0.51               | 0.51               | 0.51               | 0.51               | 0.51               | 0.54               | 0.54               | 0.54               | 0.54               | 0.54               |
|                       | 68°F<br>(20.0°C)   | TC            | 8724               | 8736               | 8745               | 8746               | 8758               | 9250               | 9261               | 9270               | 9272               | 9283               | 9803               | 9815               | 9826               | 9828               | 9839               | 10393              | 10405              | 10416              | 10418              | 10431              |
|                       |                    | S/T           | 0.38               | 0.45               | 0.51               | 0.51               | 0.58               | 0.40               | 0.47               | 0.54               | 0.54               | 0.61               | 0.43               | 0.50               | 0.57               | 0.57               | 0.65               | 0.45               | 0.53               | 0.60               | 0.60               | 0.69               |
|                       |                    | PI            | 0.46               | 0.46               | 0.46               | 0.46               | 0.46               | 0.49               | 0.49               | 0.49               | 0.49               | 0.49               | 0.52               | 0.52               | 0.52               | 0.52               | 0.52               | 0.55               | 0.55               | 0.55               | 0.55               | 0.55               |
|                       | 77°F<br>(25.0°C)   | TC            | 9051               | 9063               | 9073               | 9073               | 9085               | 9596               | 9607               | 9617               | 9619               | 9630               | 10169              | 10183              | 10194              | 10196              | 10207              | 10782              | 10794              | 10806              | 10807              | 10821              |
|                       |                    | S/T           | 0.39               | 0.45               | 0.51               | 0.51               | 0.59               | 0.41               | 0.48               | 0.55               | 0.55               | 0.62               | 0.43               | 0.51               | 0.58               | 0.58               | 0.66               | 0.46               | 0.54               | 0.61               | 0.61               | 0.70               |
|                       |                    | PI            | 0.47               | 0.47               | 0.47               | 0.47               | 0.47               | 0.50               | 0.50               | 0.50               | 0.50               | 0.50               | 0.53               | 0.53               | 0.53               | 0.53               | 0.53               | 0.56               | 0.56               | 0.56               | 0.56               | 0.56               |
|                       | 82°F<br>(27.8°C)   | TC            | 9107               | 9119               | 9129               | 9129               | 9142               | 9656               | 9667               | 9677               | 9679               | 9690               | 10233              | 10246              | 10257              | 10259              | 10271              | 10849              | 10861              | 10873              | 10875              | 10888              |
|                       |                    | S/T           | 0.39               | 0.46               | 0.52               | 0.52               | 0.59               | 0.41               | 0.49               | 0.55               | 0.55               | 0.63               | 0.44               | 0.52               | 0.59               | 0.59               | 0.67               | 0.47               | 0.55               | 0.62               | 0.62               | 0.71               |
|                       |                    | PI            | 0.51               | 0.51               | 0.51               | 0.51               | 0.51               | 0.54               | 0.54               | 0.54               | 0.54               | 0.54               | 0.57               | 0.57               | 0.57               | 0.58               | 0.58               | 0.61               | 0.61               | 0.61               | 0.61               | 0.61               |
|                       | 86°F<br>(30.0°C)   | TC            | 8995               | 9007               | 9016               | 9017               | 9029               | 9537               | 9548               | 9557               | 9559               | 9571               | 10106              | 10120              | 10131              | 10133              | 10144              | 10715              | 10727              | 10739              | 10740              | 10754              |
|                       |                    | S/T           | 0.40               | 0.46               | 0.53               | 0.53               | 0.60               | 0.42               | 0.49               | 0.56               | 0.56               | 0.64               | 0.44               | 0.52               | 0.59               | 0.59               | 0.68               | 0.47               | 0.55               | 0.63               | 0.63               | 0.72               |
|                       |                    | PI            | 0.59               | 0.59               | 0.59               | 0.59               | 0.60               | 0.63               | 0.63               | 0.63               | 0.63               | 0.63               | 0.67               | 0.67               | 0.67               | 0.67               | 0.67               | 0.71               | 0.71               | 0.71               | 0.71               | 0.71               |
|                       | 95°F<br>(35.0°C)   | TC            | 8742               | 8754               | 8763               | 8763               | 8775               | 9269               | 9280               | 9289               | 9291               | 9302               | 9822               | 9835               | 9846               | 9848               | 9859               |                    |                    |                    |                    |                    |

## COOLING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 12 (Sheet 3 of 4)

| AIR-<br>FLOW<br>(CFM) | OUTDOOR<br>DB(°F)  | ID WB | 60.8°F(16.0°C) |          |          |          |          | 64.4°F(18.0°C) |          |          |          |          | 67°F(19.4°C) |          |          |          |          | 71.6°F(22.0°C) |          |          |          |          |
|-----------------------|--------------------|-------|----------------|----------|----------|----------|----------|----------------|----------|----------|----------|----------|--------------|----------|----------|----------|----------|----------------|----------|----------|----------|----------|
|                       |                    | ID DB | 73.4°F         | 77.0°F   | 80.0°F   | 80.6°F   | 84.2°F   | 73.4°F         | 77.0°F   | 80.0°F   | 80.6°F   | 84.2°F   | 73.4°F       | 77.0°F   | 80.0°F   | 80.6°F   | 84.2°F   | 73.4°F         | 77.0°F   | 80.0°F   | 80.6°F   | 84.2°F   |
|                       |                    | (°F)  | (23.0°C)       | (25.0°C) | (26.7°C) | (27.0°C) | (29.0°C) | (23.0°C)       | (25.0°C) | (26.7°C) | (27.0°C) | (29.0°C) | (23.0°C)     | (25.0°C) | (26.7°C) | (27.0°C) | (29.0°C) | (23.0°C)       | (25.0°C) | (26.7°C) | (27.0°C) | (29.0°C) |
| 350                   | -22°F<br>(-30.0°C) | TC    | 8127           | 8138     | 8147     | 8147     | 8158     | 8617           | 8627     | 8635     | 8637     | 8647     | 9132         | 9143     | 9154     | 9155     | 9166     | 9682           | 9692     | 9703     | 9704     | 9716     |
|                       |                    | S/T   | 0.41           | 0.48     | 0.55     | 0.55     | 0.62     | 0.43           | 0.51     | 0.58     | 0.58     | 0.66     | 0.46         | 0.54     | 0.61     | 0.61     | 0.70     | 0.49           | 0.57     | 0.65     | 0.65     | 0.74     |
|                       |                    | PI    | 0.48           | 0.48     | 0.48     | 0.48     | 0.48     | 0.51           | 0.51     | 0.51     | 0.51     | 0.51     | 0.54         | 0.54     | 0.54     | 0.54     | 0.54     | 0.57           | 0.57     | 0.57     | 0.57     | 0.57     |
|                       | -13°F<br>(-25.0°C) | TC    | 8804           | 8816     | 8826     | 8826     | 8838     | 9335           | 9346     | 9355     | 9357     | 9368     | 9893         | 9905     | 9916     | 9918     | 9929     | 10489          | 10500    | 10511    | 10513    | 10526    |
|                       |                    | S/T   | 0.41           | 0.48     | 0.55     | 0.55     | 0.63     | 0.44           | 0.51     | 0.58     | 0.58     | 0.66     | 0.46         | 0.54     | 0.62     | 0.62     | 0.70     | 0.49           | 0.58     | 0.66     | 0.66     | 0.75     |
|                       |                    | PI    | 0.52           | 0.52     | 0.52     | 0.52     | 0.52     | 0.55           | 0.55     | 0.55     | 0.55     | 0.55     | 0.58         | 0.58     | 0.58     | 0.58     | 0.58     | 0.62           | 0.62     | 0.62     | 0.62     | 0.62     |
|                       | -4°F<br>(-20.0°C)  | TC    | 9481           | 9494     | 9504     | 9505     | 9518     | 10053          | 10065    | 10075    | 10077    | 10089    | 10653        | 10667    | 10679    | 10681    | 10693    | 11295          | 11308    | 11320    | 11322    | 11336    |
|                       |                    | S/T   | 0.41           | 0.49     | 0.55     | 0.55     | 0.63     | 0.44           | 0.52     | 0.59     | 0.59     | 0.67     | 0.47         | 0.55     | 0.62     | 0.62     | 0.71     | 0.49           | 0.58     | 0.66     | 0.66     | 0.75     |
|                       |                    | PI    | 0.56           | 0.56     | 0.56     | 0.56     | 0.56     | 0.59           | 0.59     | 0.59     | 0.59     | 0.59     | 0.63         | 0.63     | 0.63     | 0.63     | 0.63     | 0.66           | 0.67     | 0.67     | 0.67     | 0.67     |
|                       | 0°F<br>(-17.8°C)   | TC    | 9782           | 9796     | 9806     | 9807     | 9820     | 10372          | 10384    | 10395    | 10397    | 10409    | 10992        | 11006    | 11018    | 11020    | 11033    | 11654          | 11667    | 11679    | 11681    | 11696    |
|                       |                    | S/T   | 0.42           | 0.49     | 0.55     | 0.55     | 0.63     | 0.44           | 0.52     | 0.59     | 0.59     | 0.67     | 0.47         | 0.55     | 0.62     | 0.62     | 0.71     | 0.50           | 0.58     | 0.66     | 0.66     | 0.75     |
|                       |                    | PI    | 0.58           | 0.58     | 0.58     | 0.58     | 0.58     | 0.61           | 0.61     | 0.61     | 0.61     | 0.61     | 0.65         | 0.65     | 0.65     | 0.65     | 0.65     | 0.69           | 0.69     | 0.69     | 0.69     | 0.69     |
|                       | 5°F<br>(-15.0°C)   | TC    | 10159          | 10172    | 10183    | 10184    | 10198    | 10771          | 10784    | 10794    | 10796    | 10809    | 11414        | 11429    | 11442    | 11444    | 11457    | 12102          | 12115    | 12129    | 12130    | 12146    |
|                       |                    | S/T   | 0.42           | 0.49     | 0.56     | 0.56     | 0.64     | 0.44           | 0.52     | 0.59     | 0.59     | 0.67     | 0.47         | 0.55     | 0.63     | 0.63     | 0.71     | 0.50           | 0.58     | 0.66     | 0.66     | 0.76     |
|                       |                    | PI    | 0.60           | 0.60     | 0.60     | 0.60     | 0.60     | 0.63           | 0.63     | 0.64     | 0.64     | 0.64     | 0.67         | 0.67     | 0.67     | 0.67     | 0.67     | 0.71           | 0.71     | 0.71     | 0.71     | 0.71     |
|                       | 14°F<br>(-10.0°C)  | TC    | 10362          | 10376    | 10387    | 10388    | 10402    | 10987          | 11000    | 11010    | 11013    | 11026    | 11643        | 11658    | 11671    | 11673    | 11686    | 12344          | 12358    | 12371    | 12373    | 12389    |
|                       |                    | S/T   | 0.42           | 0.49     | 0.56     | 0.56     | 0.64     | 0.44           | 0.52     | 0.59     | 0.59     | 0.68     | 0.47         | 0.55     | 0.63     | 0.63     | 0.72     | 0.50           | 0.59     | 0.67     | 0.67     | 0.76     |
|                       |                    | PI    | 0.61           | 0.61     | 0.61     | 0.61     | 0.61     | 0.64           | 0.65     | 0.65     | 0.65     | 0.65     | 0.68         | 0.68     | 0.68     | 0.68     | 0.69     | 0.72           | 0.73     | 0.73     | 0.73     | 0.73     |
|                       | 17°F<br>(-8.3°C)   | TC    | 10430          | 10444    | 10455    | 10456    | 10470    | 11058          | 11072    | 11082    | 11085    | 11098    | 11719        | 11734    | 11747    | 11750    | 11763    | 12425          | 12439    | 12452    | 12454    | 12470    |
|                       |                    | S/T   | 0.42           | 0.49     | 0.56     | 0.56     | 0.64     | 0.45           | 0.52     | 0.59     | 0.59     | 0.68     | 0.47         | 0.55     | 0.63     | 0.63     | 0.72     | 0.50           | 0.59     | 0.67     | 0.67     | 0.76     |
|                       |                    | PI    | 0.61           | 0.61     | 0.61     | 0.61     | 0.61     | 0.65           | 0.65     | 0.65     | 0.65     | 0.65     | 0.69         | 0.69     | 0.69     | 0.69     | 0.69     | 0.73           | 0.73     | 0.73     | 0.73     | 0.73     |
|                       | 23°F<br>(-5.0°C)   | TC    | 10200          | 10214    | 10225    | 10226    | 10239    | 10815          | 10828    | 10839    | 10841    | 10854    | 11461        | 11476    | 11489    | 11491    | 11504    | 12152          | 12165    | 12178    | 12180    | 12195    |
|                       |                    | S/T   | 0.42           | 0.50     | 0.56     | 0.56     | 0.64     | 0.45           | 0.53     | 0.60     | 0.60     | 0.68     | 0.47         | 0.56     | 0.63     | 0.63     | 0.72     | 0.50           | 0.59     | 0.67     | 0.67     | 0.76     |
|                       |                    | PI    | 0.59           | 0.59     | 0.59     | 0.59     | 0.60     | 0.63           | 0.63     | 0.63     | 0.63     | 0.63     | 0.67         | 0.67     | 0.67     | 0.67     | 0.67     | 0.71           | 0.71     | 0.71     | 0.71     | 0.71     |
|                       | 35°F<br>(1.7°C)    | TC    | 9742           | 9755     | 9765     | 9766     | 9779     | 10329          | 10341    | 10351    | 10353    | 10365    | 10946        | 10960    | 10972    | 10974    | 10986    | 11605          | 11618    | 11630    | 11632    | 11647    |
|                       |                    | S/T   | 0.42           | 0.50     | 0.57     | 0.57     | 0.65     | 0.45           | 0.53     | 0.60     | 0.60     | 0.68     | 0.48         | 0.56     | 0.64     | 0.64     | 0.72     | 0.51           | 0.59     | 0.67     | 0.67     | 0.77     |
|                       |                    | PI    | 0.56           | 0.56     | 0.56     | 0.56     | 0.56     | 0.59           | 0.59     | 0.59     | 0.59     | 0.59     | 0.63         | 0.63     | 0.63     | 0.63     | 0.63     | 0.66           | 0.66     | 0.67     | 0.67     | 0.67     |
|                       | 41°F<br>(5.0°C)    | TC    | 9496           | 9509     | 9519     | 9520     | 9533     | 10069          | 10081    | 10091    | 10093    | 10105    | 10670        | 10684    | 10696    | 10698    | 10710    | 11313          | 11325    | 11338    | 11340    | 11354    |
|                       |                    | S/T   | 0.43           | 0.50     | 0.57     | 0.57     | 0.65     | 0.45           | 0.53     | 0.60     | 0.60     | 0.69     | 0.48         | 0.56     | 0.64     | 0.64     | 0.73     | 0.51           | 0.59     | 0.68     | 0.68     | 0.77     |
|                       |                    | PI    | 0.53           | 0.53     | 0.53     | 0.53     | 0.54     | 0.57           | 0.57     | 0.57     | 0.57     | 0.57     | 0.60         | 0.60     | 0.60     | 0.60     | 0.60     | 0.64           | 0.64     | 0.64     | 0.64     | 0.64     |
|                       | 47°F<br>(8.3°C)    | TC    | 9251           | 9264     | 9274     | 9274     | 9287     | 9809           | 9820     | 9830     | 9832     | 9844     | 10395        | 10408    | 10420    | 10422    | 10434    | 11021          | 11033    | 11045    | 11047    | 11061    |
|                       |                    | S/T   | 0.43           | 0.50     | 0.57     | 0.57     | 0.65     | 0.45           | 0.53     | 0.60     | 0.60     | 0.69     | 0.48         | 0.56     | 0.64     | 0.64     | 0.73     | 0.51           | 0.60     | 0.68     | 0.68     | 0.77     |
|                       |                    | PI    | 0.51           | 0.51     | 0.51     | 0.51     | 0.51     | 0.54           | 0.54     | 0.54     | 0.54     | 0.54     | 0.57         | 0.57     | 0.57     | 0.57     | 0.57     | 0.61           | 0.61     | 0.61     | 0.61     | 0.61     |
|                       | 50°F<br>(10.0°C)   | TC    | 9378           | 9390     | 9400     | 9401     | 9413     | 9943           | 9955     | 9964     | 9966     | 9978     | 10537        | 10551    | 10562    | 10564    | 10576    | 11172          | 11184    | 11196    | 11198    | 11212    |
|                       |                    | S/T   | 0.43           | 0.50     | 0.57     | 0.57     | 0.65     | 0.45           | 0.53     | 0.61     | 0.61     | 0.69     | 0.48         | 0.57     | 0.64     | 0.64     | 0.73     | 0.51           | 0.60     | 0.68     | 0.68     | 0.78     |
|                       |                    | PI    | 0.51           | 0.51     | 0.51     | 0.51     | 0.51     | 0.54           | 0.54     | 0.54     | 0.54     | 0.55     | 0.58         | 0.58     | 0.58     | 0.58     | 0.58     | 0.61           | 0.61     | 0.61     | 0.61     | 0.61     |
|                       | 59°F<br>(15.0°C)   | TC    | 9757           | 9770     | 9780     | 9781     | 9794     | 10345          | 10357    | 10367    | 10369    | 10382    | 10963        | 10977    | 10989    | 10991    | 11004    | 11623          | 11636    | 11649    | 11650    | 11665    |
|                       |                    | S/T   | 0.43           | 0.51     | 0.57     | 0.57     | 0.65     | 0.46           | 0.54     | 0.61     | 0.61     | 0.69     | 0.48         | 0.57     | 0.65     | 0.65     | 0.74     | 0.51           | 0.60     | 0.68     | 0.68     | 0.78     |
|                       |                    | PI    | 0.52           | 0.52     | 0.52     | 0.52     | 0.52     | 0.55           | 0.55     | 0.56     | 0.56     | 0.56     | 0.59         | 0.59     | 0.59     | 0.59     | 0.59     | 0.62           | 0.62     | 0.62     | 0.62     | 0.62     |
|                       | 68°F<br>(20.0°C)   | TC    | 10136          | 10149    | 10160    | 10161    | 10175    | 10747          | 10759    | 10770    | 10772    | 10785    | 11389        | 11403    | 11416    | 11418    | 11431    | 12075          | 12088    | 12101    | 12103    | 12118    |
|                       |                    | S/T   | 0.44           | 0.52     | 0.59     | 0.59     | 0.67     | 0.47           | 0.55     | 0.63     | 0.63     | 0.71     | 0.50         | 0.58     | 0.66     | 0.66     | 0.76     | 0.53           | 0.62     | 0.70     | 0.70     | 0.80     |
|                       |                    | PI    | 0.53           | 0.53     | 0.53     | 0.53     | 0.53     | 0.56           | 0.57     | 0.57     | 0.57     | 0.57     | 0.60         | 0.60     | 0.60     | 0.60     | 0.60     | 0.63           | 0.64     | 0.64     | 0.64     | 0.64     |
|                       | 77°F<br>(25.0°C)   | TC    | 10515          | 10529    | 10540    | 10541    | 10555    | 11149          | 11162    | 11173    | 11175    | 11188    | 11815        | 11830    | 11843    | 11845    | 11859    | 12526          | 12540    | 12554    | 12556    | 12571    |
|                       |                    | S/T   | 0.45           | 0.53     | 0.60     | 0.60     | 0.68     | 0.48           | 0.56     | 0.63     | 0.63     | 0.72     | 0.50         | 0.59     | 0.67     | 0.67     | 0.77     | 0.53           | 0.63     | 0.71     | 0.71     | 0.81     |
|                       |                    | PI    | 0.54           | 0.54     | 0.54     | 0.54     | 0.55     | 0.58           | 0.58     | 0.58     | 0.58     | 0.58     | 0.61         | 0.61     | 0.61     | 0.61     | 0.61     | 0.65           | 0.65     | 0.65     | 0.65     | 0.65     |
|                       | 82°F<br>(27.8°C)   | TC    | 10580          | 10595    | 10606    | 10607    | 10621    | 11218          | 11231    | 11242    | 11245    | 11258    | 11888        | 11904    | 11917    | 11919    | 11932    | 12605          | 12618    | 12632    | 12634    | 12650    |
|                       |                    | S/T   | 0.45           | 0.53     | 0.61     | 0.61     | 0.69     | 0.48           | 0.56     | 0.64     | 0.64     | 0.73     | 0.51         | 0.60     | 0.68     | 0.68     | 0.78     | 0.54           | 0.63     | 0.72     | 0.72     | 0.82     |
|                       |                    | PI    | 0.59           | 0.59     | 0.59     | 0.59     | 0.60     | 0.63           | 0.63     | 0.63     | 0.63     | 0.63     | 0.67         | 0.67     | 0.67     | 0.67     | 0.67     | 0.71           | 0.71     | 0.71     | 0.71     | 0.71     |
|                       | 86°F<br>(30.0°C)   | TC    | 10450          | 10464    | 10475    | 10476    | 10490    | 11080          | 11093    | 11104    | 11106    | 11119    | 11742        | 11757    | 11770    | 11772    | 11785    | 12449          | 12463    | 12476    | 12478    | 12494    |
|                       |                    | S/T   | 0.46           | 0.54     | 0.61     | 0.61     | 0.70     | 0.49           | 0.57     | 0.65     | 0.65     | 0.74     | 0.52         | 0.61     | 0.69     | 0.69     | 0.78     | 0.55           | 0.64     | 0.73     | 0.73     | 0.83     |
|                       |                    | PI    | 0.69           | 0.69     | 0.69     | 0.69     | 0.69     | 0.73           | 0.73     | 0.73     | 0.73     | 0.73     | 0.77         | 0.78     | 0.78     | 0.78     | 0.78     | 0.82           | 0.82     | 0.82     | 0.82     | 0.82     |
|                       | 95°F<br>(35.0°C    |       |                |          |          |          |          |                |          |          |          |          |              |          |          |          |          |                |          |          |          |          |

COOLING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 12 (Sheet 4 of 4)

| AIR-FLOW<br>(CFM) | OUTDOOR<br>DB(°F)  | ID WB<br>(°F) | 60.8°F(16.0°C) |                    |                    |                    |                    | 64.4°F(18.0°C)     |                    |                    |                    |                    | 67°F(19.4°C)       |                    |                    |                    |                    | 71.6°F(22.0°C)     |       |       |       |       |
|-------------------|--------------------|---------------|----------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|-------|-------|-------|-------|
|                   |                    |               | ID DB<br>(°F)  | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) |       |       |       |       |
|                   |                    |               | TC             | S/T                | PI                 | TC                 | S/T                | PI                 | TC                 | S/T                | PI                 | TC                 | S/T                | PI                 | TC                 | S/T                | PI                 | TC                 | S/T   | PI    |       |       |
| 419               | -22°F<br>(-30.0°C) | TC            | 9442           | 9455               | 9465               | 9465               | 9478               | 10011              | 10023              | 10033              | 10035              | 10046              | 10609              | 10623              | 10635              | 10636              | 10648              | 11248              | 11260 | 11273 | 11274 | 11288 |
|                   |                    | S/T           | 0.48           | 0.56               | 0.63               | 0.63               | 0.72               | 0.50               | 0.59               | 0.67               | 0.67               | 0.77               | 0.53               | 0.63               | 0.71               | 0.71               | 0.81               | 0.57               | 0.67  | 0.76  | 0.76  | 0.86  |
|                   |                    | PI            | 0.56           | 0.56               | 0.56               | 0.56               | 0.56               | 0.59               | 0.59               | 0.59               | 0.59               | 0.59               | 0.62               | 0.62               | 0.63               | 0.63               | 0.63               | 0.66               | 0.66  | 0.66  | 0.66  | 0.66  |
|                   | -13°F<br>(-25.0°C) | TC            | 10229          | 10242              | 10253              | 10254              | 10268              | 10845              | 10858              | 10869              | 10871              | 10884              | 11493              | 11508              | 11521              | 11523              | 11536              | 12185              | 12199 | 12212 | 12214 | 12229 |
|                   |                    | S/T           | 0.48           | 0.56               | 0.64               | 0.64               | 0.73               | 0.51               | 0.60               | 0.68               | 0.68               | 0.77               | 0.54               | 0.63               | 0.72               | 0.72               | 0.82               | 0.57               | 0.67  | 0.76  | 0.76  | 0.87  |
|                   |                    | PI            | 0.60           | 0.60               | 0.60               | 0.60               | 0.60               | 0.64               | 0.64               | 0.64               | 0.64               | 0.64               | 0.68               | 0.68               | 0.68               | 0.68               | 0.68               | 0.72               | 0.72  | 0.72  | 0.72  | 0.72  |
|                   | -4°F<br>(-20.0°C)  | TC            | 11015          | 11030              | 11042              | 11043              | 11058              | 11679              | 11693              | 11705              | 11707              | 11721              | 12377              | 12393              | 12407              | 12409              | 12423              | 13123              | 13137 | 13151 | 13153 | 13170 |
|                   |                    | S/T           | 0.48           | 0.57               | 0.64               | 0.64               | 0.73               | 0.51               | 0.60               | 0.68               | 0.68               | 0.78               | 0.54               | 0.64               | 0.72               | 0.72               | 0.82               | 0.57               | 0.67  | 0.77  | 0.77  | 0.87  |
|                   |                    | PI            | 0.65           | 0.65               | 0.65               | 0.65               | 0.65               | 0.69               | 0.69               | 0.69               | 0.69               | 0.69               | 0.73               | 0.73               | 0.73               | 0.73               | 0.73               | 0.77               | 0.77  | 0.77  | 0.77  | 0.77  |
|                   | 0°F<br>(-17.8°C)   | TC            | 11365          | 11380              | 11393              | 11393              | 11409              | 12050              | 12064              | 12076              | 12079              | 12093              | 12770              | 12787              | 12801              | 12803              | 12817              | 13539              | 13554 | 13569 | 13571 | 13588 |
|                   |                    | S/T           | 0.48           | 0.57               | 0.64               | 0.64               | 0.73               | 0.51               | 0.60               | 0.68               | 0.68               | 0.78               | 0.54               | 0.64               | 0.72               | 0.72               | 0.83               | 0.58               | 0.68  | 0.77  | 0.77  | 0.88  |
|                   |                    | PI            | 0.67           | 0.67               | 0.67               | 0.67               | 0.67               | 0.71               | 0.71               | 0.71               | 0.71               | 0.71               | 0.75               | 0.75               | 0.75               | 0.75               | 0.75               | 0.80               | 0.80  | 0.80  | 0.80  | 0.80  |
|                   | 5°F<br>(-15.0°C)   | TC            | 11802          | 11818              | 11831              | 11831              | 11847              | 12514              | 12528              | 12541              | 12543              | 12558              | 13261              | 13278              | 13293              | 13296              | 13310              | 14060              | 14075 | 14091 | 14093 | 14110 |
|                   |                    | S/T           | 0.49           | 0.57               | 0.65               | 0.65               | 0.74               | 0.51               | 0.60               | 0.69               | 0.69               | 0.78               | 0.55               | 0.64               | 0.73               | 0.73               | 0.83               | 0.58               | 0.68  | 0.77  | 0.77  | 0.88  |
|                   |                    | PI            | 0.69           | 0.70               | 0.70               | 0.70               | 0.70               | 0.74               | 0.74               | 0.74               | 0.74               | 0.74               | 0.78               | 0.78               | 0.78               | 0.78               | 0.78               | 0.83               | 0.83  | 0.83  | 0.83  | 0.83  |
|                   | 14°F<br>(-10.0°C)  | TC            | 12039          | 12055              | 12068              | 12068              | 12085              | 12764              | 12779              | 12792              | 12794              | 12809              | 13527              | 13544              | 13559              | 13562              | 13577              | 14342              | 14357 | 14373 | 14375 | 14393 |
|                   |                    | S/T           | 0.49           | 0.57               | 0.65               | 0.65               | 0.74               | 0.52               | 0.61               | 0.69               | 0.69               | 0.78               | 0.55               | 0.64               | 0.73               | 0.73               | 0.83               | 0.58               | 0.68  | 0.77  | 0.77  | 0.88  |
|                   |                    | PI            | 0.71           | 0.71               | 0.71               | 0.71               | 0.71               | 0.75               | 0.75               | 0.75               | 0.75               | 0.75               | 0.79               | 0.79               | 0.80               | 0.80               | 0.80               | 0.84               | 0.84  | 0.84  | 0.84  | 0.84  |
|                   | 17°F<br>(-8.3°C)   | TC            | 12117          | 12134              | 12147              | 12147              | 12164              | 12848              | 12863              | 12875              | 12878              | 12893              | 13615              | 13633              | 13648              | 13651              | 13666              | 14435              | 14451 | 14467 | 14469 | 14487 |
|                   |                    | S/T           | 0.49           | 0.57               | 0.65               | 0.65               | 0.74               | 0.52               | 0.61               | 0.69               | 0.69               | 0.79               | 0.55               | 0.64               | 0.73               | 0.73               | 0.83               | 0.58               | 0.68  | 0.78  | 0.78  | 0.88  |
|                   |                    | PI            | 0.71           | 0.71               | 0.71               | 0.71               | 0.71               | 0.75               | 0.75               | 0.75               | 0.75               | 0.76               | 0.80               | 0.80               | 0.80               | 0.80               | 0.80               | 0.85               | 0.85  | 0.85  | 0.85  | 0.85  |
|                   | 23°F<br>(-5.0°C)   | TC            | 11851          | 11867              | 11879              | 11880              | 11896              | 12565              | 12580              | 12592              | 12595              | 12610              | 13316              | 13333              | 13348              | 13350              | 13365              | 14118              | 14133 | 14149 | 14151 | 14168 |
|                   |                    | S/T           | 0.49           | 0.58               | 0.65               | 0.65               | 0.75               | 0.52               | 0.61               | 0.69               | 0.69               | 0.79               | 0.55               | 0.65               | 0.74               | 0.74               | 0.84               | 0.58               | 0.69  | 0.78  | 0.78  | 0.89  |
|                   |                    | PI            | 0.69           | 0.69               | 0.69               | 0.69               | 0.69               | 0.73               | 0.73               | 0.73               | 0.73               | 0.73               | 0.77               | 0.78               | 0.78               | 0.78               | 0.78               | 0.82               | 0.82  | 0.82  | 0.82  | 0.82  |
|                   | 35°F<br>(1.7°C)    | TC            | 11318          | 11333              | 11345              | 11346              | 11361              | 12000              | 12014              | 12026              | 12028              | 12042              | 12717              | 12733              | 12747              | 12750              | 12764              | 13483              | 13497 | 13512 | 13514 | 13531 |
|                   |                    | S/T           | 0.49           | 0.58               | 0.66               | 0.66               | 0.75               | 0.52               | 0.61               | 0.70               | 0.70               | 0.79               | 0.55               | 0.65               | 0.74               | 0.74               | 0.84               | 0.59               | 0.69  | 0.78  | 0.78  | 0.89  |
|                   |                    | PI            | 0.65           | 0.65               | 0.65               | 0.65               | 0.65               | 0.69               | 0.69               | 0.69               | 0.69               | 0.69               | 0.73               | 0.73               | 0.73               | 0.73               | 0.73               | 0.77               | 0.77  | 0.77  | 0.77  | 0.77  |
|                   | 41°F<br>(5.0°C)    | TC            | 11033          | 11048              | 11060              | 11060              | 11075              | 11698              | 11712              | 11723              | 11725              | 11739              | 12397              | 12413              | 12427              | 12429              | 12443              | 13143              | 13158 | 13172 | 13174 | 13191 |
|                   |                    | S/T           | 0.49           | 0.58               | 0.66               | 0.66               | 0.75               | 0.52               | 0.61               | 0.70               | 0.70               | 0.80               | 0.56               | 0.65               | 0.74               | 0.74               | 0.84               | 0.59               | 0.69  | 0.78  | 0.78  | 0.89  |
|                   |                    | PI            | 0.62           | 0.62               | 0.62               | 0.62               | 0.62               | 0.66               | 0.66               | 0.66               | 0.66               | 0.66               | 0.70               | 0.70               | 0.70               | 0.70               | 0.70               | 0.74               | 0.74  | 0.74  | 0.74  | 0.74  |
|                   | 47°F<br>(8.3°C)    | TC            | 10748          | 10763              | 10774              | 10775              | 10789              | 11396              | 11409              | 11421              | 11423              | 11436              | 12077              | 12092              | 12106              | 12108              | 12122              | 12804              | 12818 | 12832 | 12834 | 12850 |
|                   |                    | S/T           | 0.50           | 0.58               | 0.66               | 0.66               | 0.75               | 0.53               | 0.62               | 0.70               | 0.70               | 0.80               | 0.56               | 0.65               | 0.74               | 0.74               | 0.85               | 0.59               | 0.69  | 0.79  | 0.79  | 0.90  |
|                   |                    | PI            | 0.59           | 0.59               | 0.59               | 0.59               | 0.59               | 0.63               | 0.63               | 0.63               | 0.63               | 0.63               | 0.66               | 0.67               | 0.67               | 0.67               | 0.67               | 0.70               | 0.71  | 0.71  | 0.71  | 0.71  |
|                   | 50°F<br>(10.0°C)   | TC            | 10895          | 10909              | 10921              | 10922              | 10936              | 11551              | 11565              | 11577              | 11579              | 11593              | 12242              | 12257              | 12271              | 12273              | 12287              | 12979              | 12993 | 13007 | 13009 | 13026 |
|                   |                    | S/T           | 0.50           | 0.58               | 0.66               | 0.66               | 0.76               | 0.53               | 0.62               | 0.70               | 0.70               | 0.80               | 0.56               | 0.66               | 0.75               | 0.75               | 0.85               | 0.59               | 0.70  | 0.79  | 0.79  | 0.90  |
|                   |                    | PI            | 0.60           | 0.60               | 0.60               | 0.60               | 0.60               | 0.63               | 0.63               | 0.63               | 0.63               | 0.63               | 0.67               | 0.67               | 0.67               | 0.67               | 0.67               | 0.71               | 0.71  | 0.71  | 0.71  | 0.71  |
|                   | 59°F<br>(15.0°C)   | TC            | 11335          | 11350              | 11363              | 11363              | 11379              | 12018              | 12033              | 12044              | 12047              | 12061              | 12736              | 12753              | 12767              | 12769              | 12784              | 13504              | 13518 | 13533 | 13535 | 13552 |
|                   |                    | S/T           | 0.50           | 0.59               | 0.67               | 0.67               | 0.76               | 0.53               | 0.62               | 0.71               | 0.71               | 0.81               | 0.56               | 0.66               | 0.75               | 0.75               | 0.86               | 0.60               | 0.70  | 0.80  | 0.80  | 0.91  |
|                   |                    | PI            | 0.61           | 0.61               | 0.61               | 0.61               | 0.61               | 0.64               | 0.64               | 0.65               | 0.65               | 0.65               | 0.68               | 0.68               | 0.68               | 0.68               | 0.68               | 0.72               | 0.72  | 0.72  | 0.72  | 0.73  |
|                   | 68°F<br>(20.0°C)   | TC            | 11776          | 11791              | 11804              | 11805              | 11821              | 12485              | 12500              | 12512              | 12515              | 12530              | 13231              | 13248              | 13263              | 13266              | 13280              | 14028              | 14044 | 14059 | 14061 | 14079 |
|                   |                    | S/T           | 0.51           | 0.60               | 0.69               | 0.69               | 0.78               | 0.54               | 0.64               | 0.73               | 0.73               | 0.83               | 0.58               | 0.68               | 0.77               | 0.77               | 0.88               | 0.61               | 0.72  | 0.82  | 0.82  | 0.93  |
|                   |                    | PI            | 0.62           | 0.62               | 0.62               | 0.62               | 0.62               | 0.66               | 0.66               | 0.66               | 0.66               | 0.66               | 0.70               | 0.70               | 0.70               | 0.70               | 0.70               | 0.74               | 0.74  | 0.74  | 0.74  | 0.74  |
|                   | 77°F<br>(25.0°C)   | TC            | 12216          | 12232              | 12246              | 12246              | 12263              | 12952              | 12968              | 12980              | 12983              | 12998              | 13726              | 13744              | 13759              | 13762              | 13777              | 14553              | 14569 | 14585 | 14587 | 14605 |
|                   |                    | S/T           | 0.52           | 0.61               | 0.69               | 0.69               | 0.79               | 0.55               | 0.65               | 0.74               | 0.74               | 0.84               | 0.59               | 0.69               | 0.78               | 0.78               | 0.89               | 0.62               | 0.73  | 0.83  | 0.83  | 0.94  |
|                   |                    | PI            | 0.63           | 0.63               | 0.63               | 0.63               | 0.63               | 0.67               | 0.67               | 0.67               | 0.67               | 0.67               | 0.71               | 0.71               | 0.71               | 0.71               | 0.71               | 0.75               | 0.75  | 0.75  | 0.75  | 0.75  |
|                   | 82°F<br>(27.8°C)   | TC            | 12292          | 12309              | 12322              | 12322              | 12339              | 13033              | 13048              | 13061              | 13064              | 13079              | 13812              | 13830              | 13845              | 13848              | 13863              | 14644              | 14660 | 14676 | 14678 | 14696 |
|                   |                    | S/T           | 0.53           | 0.62               | 0.70               | 0.70               | 0.80               | 0.56               | 0.66               | 0.75               | 0.75               | 0.85               | 0.59               | 0.70               | 0.79               | 0.79               | 0.90               | 0.63               | 0.74  | 0.84  | 0.84  | 0.95  |
|                   |                    | PI            | 0.69           | 0.69               | 0.69               | 0.69               | 0.69               | 0.73               | 0.73               | 0.73               | 0.73               | 0.73               | 0.77               | 0.78               | 0.78               | 0.78               | 0.78               | 0.82               | 0.82  | 0.82  | 0.82  | 0.82  |
|                   | 86°F<br>(30.0°C)   | TC            | 12140          | 12157              | 12170              | 12170              | 12187              | 12872              | 12887              | 12900              | 12903              | 12918              | 13641              | 13659              | 13674              | 13677              | 13692              | 14463              | 14479 | 14495 | 14497 | 14515 |
|                   |                    | S/T           | 0.53           | 0.63               | 0.71               | 0.71               | 0.81               | 0.57               | 0.66               | 0.75               | 0.75               | 0.86               | 0.60               | 0.70               | 0.80               | 0.80               | 0.91               | 0.64               | 0.75  | 0.85  | 0.85  | 0.97  |
|                   |                    | PI            | 0.80           | 0.80               | 0.80               | 0.80               | 0.80               | 0.85               | 0.85               | 0.85               | 0.85               | 0.85               | 0.90               | 0.90               | 0.90               | 0.90               |                    |                    |       |       |       |       |

**Table 38 — High Static Slim Duct Heating Performance (12K)**

HEATING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 12 (Sheet 1 of 2)

| AIRFLOW<br>(CFM) | OUTDOOR<br>DB(°F) | TC: Total Heating Capacity (BTU/hr) |                  |                  |                    |                    | PI: Power Input (kW)      |                  |                  |                    |                    |
|------------------|-------------------|-------------------------------------|------------------|------------------|--------------------|--------------------|---------------------------|------------------|------------------|--------------------|--------------------|
|                  |                   | Indoor Conditions (DB °F)           |                  |                  |                    |                    | Indoor Conditions (DB °F) |                  |                  |                    |                    |
|                  |                   | 60.8°F<br>(16.0°C)                  | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) | 60.8°F<br>(16.0°C)        | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) |
| 216              | -22°F(-30.0°C)    | 4205                                | 4121             | 4101             | 3251               | 3222               | 1.41                      | 1.42             | 1.43             | 1.43               | 1.43               |
|                  | -13°F(-25.0°C)    | 5463                                | 5353             | 5327             | 4060               | 4024               | 1.49                      | 1.51             | 1.51             | 1.51               | 1.52               |
|                  | -4°F(-20.0°C)     | 6652                                | 6519             | 6486             | 4945               | 4900               | 1.58                      | 1.59             | 1.60             | 1.60               | 1.61               |
|                  | 0°F(-17.8°C)      | 7183                                | 7040             | 7005             | 5340               | 5292               | 1.65                      | 1.66             | 1.67             | 1.67               | 1.68               |
|                  | 5°F(-15.0°C)      | 7848                                | 7691             | 7653             | 5834               | 5781               | 1.73                      | 1.75             | 1.75             | 1.75               | 1.76               |
|                  | 14°F(-10.0°C)     | 9434                                | 9246             | 9200             | 7013               | 6950               | 1.79                      | 1.80             | 1.81             | 1.81               | 1.82               |
|                  | 17°F(-8.3°C)      | 9963                                | 9764             | 9715             | 7406               | 7339               | 1.81                      | 1.82             | 1.82             | 1.83               | 1.84               |
|                  | 22°F(-5.6°C)      | 9767                                | 9571             | 9524             | 7260               | 7195               | 1.75                      | 1.77             | 1.77             | 1.77               | 1.78               |
|                  | 27°F(-2.8°C)      | 9570                                | 9379             | 9332             | 7114               | 7050               | 1.70                      | 1.71             | 1.71             | 1.72               | 1.72               |
|                  | 32°F(0.0°C)       | 9374                                | 9186             | 9140             | 6968               | 6905               | 1.64                      | 1.66             | 1.66             | 1.66               | 1.67               |
|                  | 35°F(1.7°C)       | 9256                                | 9071             | 9025             | 6880               | 6818               | 1.61                      | 1.62             | 1.63             | 1.63               | 1.64               |
|                  | 37°F(2.8°C)       | 9509                                | 9319             | 9272             | 7068               | 7005               | 1.57                      | 1.58             | 1.58             | 1.59               | 1.59               |
|                  | 42°F(5.6°C)       | 10142                               | 9940             | 9890             | 7539               | 7471               | 1.46                      | 1.48             | 1.48             | 1.48               | 1.49               |
|                  | 44.6°F(7.0°C)     | 10396                               | 10188            | 10137            | 7727               | 7658               | 1.42                      | 1.43             | 1.44             | 1.44               | 1.45               |
|                  | 47°F(8.3°C)       | 10776                               | 10560            | 10507            | 8010               | 7938               | 1.36                      | 1.37             | 1.37             | 1.38               | 1.38               |
|                  | 52°F(11.1°C)      | 10889                               | 10671            | 10618            | 8094               | 8021               | 1.23                      | 1.24             | 1.24             | 1.25               | 1.25               |
|                  | 57°F(13.9°C)      | 11003                               | 10783            | 10729            | 8179               | 8105               | 1.10                      | 1.11             | 1.11             | 1.12               | 1.12               |
|                  | 59°F(15.0°C)      | 11048                               | 10827            | 10773            | 8212               | 8138               | 1.05                      | 1.06             | 1.06             | 1.07               | 1.07               |
|                  | 62°F(16.7°C)      | 11116                               | 10894            | 10839            | 8263               | 8189               | 0.98                      | 0.98             | 0.99             | 0.99               | 0.99               |
|                  | 64.4°F(18.0°C)    | 11162                               | 10938            | 10884            | 8297               | 8222               | 0.92                      | 0.93             | 0.93             | 0.94               | 0.94               |
| 256              | -22°F(-30.0°C)    | 4983                                | 4883             | 4858             | 4317               | 4278               | 1.43                      | 1.44             | 1.44             | 1.44               | 1.45               |
|                  | -13°F(-25.0°C)    | 6346                                | 6219             | 6188             | 5392               | 5344               | 1.51                      | 1.52             | 1.53             | 1.53               | 1.53               |
|                  | -4°F(-20.0°C)     | 7728                                | 7573             | 7536             | 6566               | 6507               | 1.60                      | 1.61             | 1.61             | 1.62               | 1.62               |
|                  | 0°F(-17.8°C)      | 8346                                | 8179             | 8138             | 7091               | 7027               | 1.67                      | 1.68             | 1.68             | 1.69               | 1.69               |
|                  | 5°F(-15.0°C)      | 9118                                | 8935             | 8891             | 7747               | 7677               | 1.75                      | 1.76             | 1.77             | 1.77               | 1.78               |
|                  | 14°F(-10.0°C)     | 10961                               | 10742            | 10688            | 9313               | 9229               | 1.81                      | 1.82             | 1.82             | 1.83               | 1.83               |
|                  | 17°F(-8.3°C)      | 11575                               | 11344            | 11287            | 9835               | 9746               | 1.82                      | 1.84             | 1.84             | 1.85               | 1.85               |
|                  | 22°F(-5.6°C)      | 11347                               | 11120            | 11064            | 9641               | 9554               | 1.77                      | 1.78             | 1.79             | 1.79               | 1.80               |
|                  | 27°F(-2.8°C)      | 11119                               | 10896            | 10842            | 9447               | 9362               | 1.71                      | 1.73             | 1.73             | 1.73               | 1.74               |
|                  | 32°F(0.0°C)       | 10890                               | 10673            | 10619            | 9253               | 9170               | 1.66                      | 1.67             | 1.68             | 1.68               | 1.69               |
|                  | 35°F(1.7°C)       | 10753                               | 10538            | 10486            | 9137               | 9055               | 1.63                      | 1.64             | 1.64             | 1.64               | 1.65               |
|                  | 37°F(2.8°C)       | 11048                               | 10827            | 10773            | 9387               | 9302               | 1.58                      | 1.60             | 1.60             | 1.60               | 1.61               |
|                  | 42°F(5.6°C)       | 11783                               | 11548            | 11490            | 10012              | 9922               | 1.48                      | 1.49             | 1.49             | 1.50               | 1.50               |
|                  | 44.6°F(7.0°C)     | 12078                               | 11836            | 11777            | 10262              | 10169              | 1.44                      | 1.45             | 1.45             | 1.45               | 1.46               |
|                  | 47°F(8.3°C)       | 12519                               | 12269            | 12207            | 10637              | 10541              | 1.37                      | 1.39             | 1.39             | 1.39               | 1.40               |
|                  | 52°F(11.1°C)      | 12651                               | 12398            | 12336            | 10749              | 10652              | 1.24                      | 1.25             | 1.26             | 1.26               | 1.26               |
|                  | 57°F(13.9°C)      | 12783                               | 12527            | 12464            | 10861              | 10763              | 1.11                      | 1.12             | 1.13             | 1.13               | 1.13               |
|                  | 59°F(15.0°C)      | 12835                               | 12579            | 12516            | 10906              | 10808              | 1.06                      | 1.07             | 1.07             | 1.08               | 1.08               |
|                  | 62°F(16.7°C)      | 12915                               | 12656            | 12593            | 10973              | 10874              | 0.99                      | 0.99             | 1.00             | 1.00               | 1.00               |
|                  | 64.4°F(18.0°C)    | 12967                               | 12708            | 12644            | 11018              | 10919              | 0.93                      | 0.94             | 0.94             | 0.94               | 0.95               |
| 350              | -22°F(-30.0°C)    | 5903                                | 5785             | 5756             | 5733               | 5682               | 1.44                      | 1.45             | 1.46             | 1.46               | 1.46               |
|                  | -13°F(-25.0°C)    | 7373                                | 7226             | 7189             | 7161               | 7096               | 1.53                      | 1.54             | 1.54             | 1.54               | 1.55               |
|                  | -4°F(-20.0°C)     | 8978                                | 8799             | 8755             | 8720               | 8641               | 1.61                      | 1.63             | 1.63             | 1.63               | 1.64               |
|                  | 0°F(-17.8°C)      | 9696                                | 9502             | 9454             | 9417               | 9332               | 1.68                      | 1.70             | 1.70             | 1.70               | 1.71               |
|                  | 5°F(-15.0°C)      | 10593                               | 10381            | 10329            | 10288              | 10195              | 1.77                      | 1.78             | 1.79             | 1.79               | 1.80               |
|                  | 14°F(-10.0°C)     | 12734                               | 12479            | 12417            | 12367              | 12256              | 1.82                      | 1.84             | 1.84             | 1.85               | 1.85               |
|                  | 17°F(-8.3°C)      | 13448                               | 13179            | 13113            | 13061              | 12943              | 1.84                      | 1.86             | 1.86             | 1.86               | 1.87               |
|                  | 22°F(-5.6°C)      | 13183                               | 12919            | 12854            | 12803              | 12688              | 1.79                      | 1.80             | 1.80             | 1.81               | 1.82               |
|                  | 27°F(-2.8°C)      | 12918                               | 12659            | 12596            | 12545              | 12433              | 1.73                      | 1.74             | 1.75             | 1.75               | 1.76               |
|                  | 32°F(0.0°C)       | 12652                               | 12399            | 12337            | 12288              | 12177              | 1.68                      | 1.69             | 1.69             | 1.70               | 1.70               |
|                  | 35°F(1.7°C)       | 12493                               | 12243            | 12182            | 12133              | 12024              | 1.64                      | 1.65             | 1.66             | 1.66               | 1.67               |
|                  | 37°F(2.8°C)       | 12835                               | 12578            | 12515            | 12465              | 12353              | 1.60                      | 1.61             | 1.62             | 1.62               | 1.63               |
|                  | 42°F(5.6°C)       | 13690                               | 13416            | 13349            | 13295              | 13176              | 1.49                      | 1.51             | 1.51             | 1.51               | 1.52               |
|                  | 44.6°F(7.0°C)     | 14031                               | 13751            | 13682            | 13627              | 13505              | 1.45                      | 1.46             | 1.47             | 1.47               | 1.47               |
|                  | 47°F(8.3°C)       | 14544                               | 14253            | 14182            | 14125              | 13998              | 1.39                      | 1.40             | 1.40             | 1.40               | 1.41               |
|                  | 52°F(11.1°C)      | 14697                               | 14404            | 14332            | 14274              | 14146              | 1.26                      | 1.27             | 1.27             | 1.27               | 1.28               |
|                  | 57°F(13.9°C)      | 14851                               | 14554            | 14481            | 14423              | 14293              | 1.13                      | 1.14             | 1.14             | 1.14               | 1.14               |
|                  | 59°F(15.0°C)      | 14912                               | 14614            | 14541            | 14483              | 14352              | 1.07                      | 1.08             | 1.08             | 1.09               | 1.09               |
|                  | 62°F(16.7°C)      | 15004                               | 14704            | 14630            | 14572              | 14441              | 1.00                      | 1.00             | 1.01             | 1.01               | 1.01               |
|                  | 64.4°F(18.0°C)    | 15065                               | 14764            | 14690            | 14631              | 14500              | 0.94                      | 0.95             | 0.95             | 0.95               | 0.96               |

## HEATING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 12 (Sheet 2 of 2)

| AIRFLOW<br>(CFM) | OUTDOOR<br>DB(°F) | TC: Total Heating Capacity (BTU/hr) |                  |                  |                    |                    | PI: Power Input (kW)      |                  |                  |                    |                    |
|------------------|-------------------|-------------------------------------|------------------|------------------|--------------------|--------------------|---------------------------|------------------|------------------|--------------------|--------------------|
|                  |                   | Indoor Conditions (DB °F)           |                  |                  |                    |                    | Indoor Conditions (DB °F) |                  |                  |                    |                    |
|                  |                   | 60.8°F<br>(16.0°C)                  | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) | 60.8°F<br>(16.0°C)        | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) |
| 419              | -22°F(-30.0°C)    | 6858                                | 6721             | 6688             | 6661               | 6601               | 1.46                      | 1.47             | 1.47             | 1.47               | 1.48               |
|                  | -13°F(-25.0°C)    | 8566                                | 8395             | 8353             | 8319               | 8244               | 1.54                      | 1.55             | 1.56             | 1.56               | 1.57               |
|                  | -4°F(-20.0°C)     | 10431                               | 10222            | 10171            | 10130              | 10039              | 1.63                      | 1.64             | 1.65             | 1.65               | 1.66               |
|                  | 0°F(-17.8°C)      | 11264                               | 11039            | 10984            | 10940              | 10842              | 1.70                      | 1.71             | 1.72             | 1.72               | 1.73               |
|                  | 5°F(-15.0°C)      | 12306                               | 12060            | 12000            | 11952              | 11844              | 1.79                      | 1.80             | 1.80             | 1.81               | 1.81               |
|                  | 14°F(-10.0°C)     | 14794                               | 14498            | 14426            | 14368              | 14239              | 1.84                      | 1.86             | 1.86             | 1.86               | 1.87               |
|                  | 17°F(-8.3°C)      | 15624                               | 15311            | 15235            | 15174              | 15037              | 1.86                      | 1.88             | 1.88             | 1.88               | 1.89               |
|                  | 22°F(-5.6°C)      | 15315                               | 15009            | 14934            | 14874              | 14741              | 1.80                      | 1.82             | 1.82             | 1.83               | 1.83               |
|                  | 27°F(-2.8°C)      | 15007                               | 14707            | 14634            | 14575              | 14444              | 1.75                      | 1.76             | 1.77             | 1.77               | 1.78               |
|                  | 32°F(-0.0°C)      | 14699                               | 14405            | 14333            | 14276              | 14147              | 1.69                      | 1.71             | 1.71             | 1.71               | 1.72               |
|                  | 35°F(1.7°C)       | 14514                               | 14224            | 14153            | 14096              | 13969              | 1.66                      | 1.67             | 1.68             | 1.68               | 1.69               |
|                  | 37°F(2.8°C)       | 14912                               | 14613            | 14540            | 14482              | 14352              | 1.62                      | 1.63             | 1.63             | 1.64               | 1.64               |
|                  | 42°F(5.6°C)       | 15904                               | 15586            | 15508            | 15446              | 15307              | 1.51                      | 1.52             | 1.52             | 1.53               | 1.53               |
|                  | 44.6°F(7.0°C)     | 16302                               | 15976            | 15896            | 15832              | 15690              | 1.47                      | 1.48             | 1.48             | 1.48               | 1.49               |
|                  | 47°F(8.3°C)       | 16897                               | 16559            | 16477            | 16411              | 16263              | 1.40                      | 1.41             | 1.42             | 1.42               | 1.42               |
|                  | 52°F(11.1°C)      | 17075                               | 16734            | 16650            | 16584              | 16434              | 1.27                      | 1.28             | 1.28             | 1.29               | 1.29               |
|                  | 57°F(13.9°C)      | 17253                               | 16908            | 16824            | 16756              | 16606              | 1.14                      | 1.15             | 1.15             | 1.15               | 1.16               |
|                  | 59°F(15.0°C)      | 17325                               | 16978            | 16893            | 16826              | 16674              | 1.08                      | 1.09             | 1.10             | 1.10               | 1.10               |
|                  | 62°F(16.7°C)      | 17431                               | 17083            | 16997            | 16929              | 16777              | 1.01                      | 1.01             | 1.02             | 1.02               | 1.02               |
|                  | 64.4°F(18.0°C)    | 17503                               | 17153            | 17067            | 16999              | 16846              | 0.95                      | 0.96             | 0.96             | 0.96               | 0.97               |

NOTE: Values in grey are extrapolated based on tested performance.

**Table 39 — High Static Slim Duct Cooling Performance (18K)**

COOLING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 18 (Sheet 1 of 4)

| AIRFLOW<br>(CFM) | OUTDOOR<br>DB(°F)  | ID<br>WB(°F)<br>DB(°F) | 60.8°F(16.0°C)     |                    |                    |                    |                    | 64.4°F(18.0°C)     |                    |                    |                    |                    | 67°F(19.4°C)       |                    |                    |                    |                    | 71.6°F(22.0°C)     |                    |                    |                    |                    |
|------------------|--------------------|------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                  |                    |                        | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) |
|                  |                    |                        |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |
| 412              | -22°F<br>(-30.0°C) | TC                     | 9602               | 9615               | 9626               | 9626               | 9639               | 10181              | 10193              | 10203              | 10205              | 10217              | 10789              | 10803              | 10815              | 10817              | 10829              | 11439              | 11452              | 11464              | 11466              | 11480              |
|                  |                    | S/T                    | 0.35               | 0.41               | 0.47               | 0.47               | 0.53               | 0.37               | 0.43               | 0.49               | 0.49               | 0.56               | 0.39               | 0.46               | 0.52               | 0.52               | 0.60               | 0.42               | 0.49               | 0.55               | 0.55               | 0.63               |
|                  |                    | PI                     | 0.43               | 0.43               | 0.43               | 0.43               | 0.43               | 0.45               | 0.45               | 0.45               | 0.45               | 0.45               | 0.48               | 0.48               | 0.48               | 0.48               | 0.48               | 0.51               | 0.51               | 0.51               | 0.51               | 0.51               |
|                  | -13°F<br>(-25.0°C) | TC                     | 10402              | 10416              | 10428              | 10428              | 10442              | 11029              | 11042              | 11053              | 11056              | 11069              | 11688              | 11704              | 11717              | 11719              | 11732              | 12393              | 12406              | 12420              | 12421              | 12437              |
|                  |                    | S/T                    | 0.35               | 0.41               | 0.47               | 0.47               | 0.53               | 0.37               | 0.44               | 0.50               | 0.50               | 0.57               | 0.39               | 0.46               | 0.53               | 0.53               | 0.60               | 0.42               | 0.49               | 0.56               | 0.56               | 0.64               |
|                  |                    | PI                     | 0.46               | 0.46               | 0.46               | 0.46               | 0.46               | 0.49               | 0.49               | 0.49               | 0.49               | 0.49               | 0.52               | 0.52               | 0.52               | 0.52               | 0.52               | 0.55               | 0.55               | 0.55               | 0.55               | 0.55               |
|                  | -4°F<br>(-20.0°C)  | TC                     | 11203              | 11218              | 11230              | 11230              | 11245              | 11878              | 11892              | 11904              | 11906              | 11920              | 12587              | 12604              | 12618              | 12620              | 12634              | 13346              | 13360              | 13375              | 13377              | 13394              |
|                  |                    | S/T                    | 0.35               | 0.41               | 0.47               | 0.47               | 0.54               | 0.37               | 0.44               | 0.50               | 0.50               | 0.57               | 0.40               | 0.47               | 0.53               | 0.53               | 0.60               | 0.42               | 0.49               | 0.56               | 0.56               | 0.64               |
|                  |                    | PI                     | 0.50               | 0.50               | 0.50               | 0.50               | 0.50               | 0.53               | 0.53               | 0.53               | 0.53               | 0.53               | 0.56               | 0.56               | 0.56               | 0.56               | 0.56               | 0.59               | 0.59               | 0.59               | 0.59               | 0.59               |
|                  | 0°F<br>(-17.8°C)   | TC                     | 11558              | 11574              | 11586              | 11587              | 11602              | 12255              | 12269              | 12282              | 12284              | 12299              | 12987              | 13004              | 13018              | 13021              | 13035              | 13770              | 13785              | 13800              | 13802              | 13819              |
|                  |                    | S/T                    | 0.35               | 0.42               | 0.47               | 0.47               | 0.54               | 0.38               | 0.44               | 0.50               | 0.50               | 0.57               | 0.40               | 0.47               | 0.53               | 0.53               | 0.61               | 0.42               | 0.50               | 0.56               | 0.56               | 0.64               |
|                  |                    | PI                     | 0.51               | 0.51               | 0.51               | 0.51               | 0.51               | 0.54               | 0.54               | 0.54               | 0.54               | 0.54               | 0.58               | 0.58               | 0.58               | 0.58               | 0.58               | 0.61               | 0.61               | 0.61               | 0.61               | 0.61               |
|                  | 5°F<br>(-15.0°C)   | TC                     | 12003              | 12019              | 12032              | 12032              | 12049              | 12726              | 12741              | 12754              | 12756              | 12772              | 13487              | 13504              | 13519              | 13522              | 13537              | 14299              | 14315              | 14330              | 14332              | 14350              |
|                  |                    | S/T                    | 0.36               | 0.42               | 0.47               | 0.47               | 0.54               | 0.38               | 0.44               | 0.50               | 0.50               | 0.57               | 0.40               | 0.47               | 0.53               | 0.53               | 0.61               | 0.42               | 0.50               | 0.57               | 0.57               | 0.64               |
|                  |                    | PI                     | 0.53               | 0.53               | 0.53               | 0.53               | 0.53               | 0.56               | 0.56               | 0.56               | 0.56               | 0.57               | 0.57               | 0.60               | 0.60               | 0.60               | 0.60               | 0.63               | 0.63               | 0.63               | 0.63               | 0.64               |
|                  | 14°F<br>(-10.0°C)  | TC                     | 12706              | 12723              | 12736              | 12737              | 12754              | 13471              | 13487              | 13501              | 13503              | 13519              | 14276              | 14295              | 14311              | 14313              | 14329              | 15136              | 15153              | 15169              | 15172              | 15190              |
|                  |                    | S/T                    | 0.36               | 0.42               | 0.48               | 0.48               | 0.54               | 0.38               | 0.44               | 0.50               | 0.50               | 0.57               | 0.40               | 0.47               | 0.53               | 0.53               | 0.61               | 0.42               | 0.50               | 0.57               | 0.57               | 0.65               |
|                  |                    | PI                     | 0.49               | 0.50               | 0.50               | 0.50               | 0.50               | 0.52               | 0.52               | 0.53               | 0.53               | 0.53               | 0.56               | 0.56               | 0.56               | 0.56               | 0.56               | 0.59               | 0.59               | 0.59               | 0.59               | 0.59               |
|                  | 17°F<br>(-8.3°C)   | TC                     | 12940              | 12957              | 12971              | 12972              | 12989              | 13720              | 13736              | 13749              | 13752              | 13769              | 14539              | 14558              | 14574              | 14577              | 14593              | 15415              | 15432              | 15449              | 15451              | 15471              |
|                  |                    | S/T                    | 0.36               | 0.42               | 0.48               | 0.48               | 0.54               | 0.38               | 0.45               | 0.51               | 0.51               | 0.58               | 0.40               | 0.47               | 0.54               | 0.54               | 0.61               | 0.43               | 0.50               | 0.57               | 0.57               | 0.65               |
|                  |                    | PI                     | 0.48               | 0.48               | 0.48               | 0.48               | 0.48               | 0.51               | 0.51               | 0.51               | 0.51               | 0.51               | 0.54               | 0.54               | 0.54               | 0.54               | 0.57               | 0.58               | 0.58               | 0.58               | 0.58               | 0.58               |
|                  | 23°F<br>(-5.0°C)   | TC                     | 13211              | 13228              | 13243              | 13243              | 13261              | 14007              | 14023              | 14037              | 14040              | 14057              | 14844              | 14863              | 14880              | 14882              | 14899              | 15738              | 15755              | 15772              | 15775              | 15794              |
|                  |                    | S/T                    | 0.36               | 0.42               | 0.48               | 0.48               | 0.55               | 0.38               | 0.45               | 0.51               | 0.51               | 0.58               | 0.40               | 0.47               | 0.54               | 0.54               | 0.61               | 0.43               | 0.50               | 0.57               | 0.57               | 0.65               |
|                  |                    | PI                     | 0.50               | 0.50               | 0.50               | 0.50               | 0.50               | 0.53               | 0.53               | 0.53               | 0.53               | 0.53               | 0.56               | 0.56               | 0.56               | 0.56               | 0.56               | 0.59               | 0.59               | 0.60               | 0.60               | 0.60               |
|                  | 35°F<br>(1.7°C)    | TC                     | 13752              | 13771              | 13786              | 13786              | 13805              | 14581              | 14599              | 14613              | 14616              | 14633              | 15452              | 15472              | 15490              | 15493              | 15510              | 16383              | 16401              | 16419              | 16422              | 16442              |
|                  |                    | S/T                    | 0.36               | 0.42               | 0.48               | 0.48               | 0.55               | 0.38               | 0.45               | 0.51               | 0.51               | 0.58               | 0.41               | 0.48               | 0.54               | 0.54               | 0.62               | 0.43               | 0.51               | 0.57               | 0.57               | 0.65               |
|                  |                    | PI                     | 0.53               | 0.53               | 0.53               | 0.53               | 0.53               | 0.56               | 0.57               | 0.57               | 0.57               | 0.57               | 0.60               | 0.60               | 0.60               | 0.60               | 0.60               | 0.63               | 0.63               | 0.64               | 0.64               | 0.64               |
|                  | 41°F<br>(5.0°C)    | TC                     | 13416              | 13434              | 13449              | 13449              | 13467              | 14225              | 14241              | 14256              | 14258              | 14275              | 15074              | 15094              | 15111              | 15114              | 15131              | 15983              | 16000              | 16017              | 16020              | 16040              |
|                  |                    | S/T                    | 0.36               | 0.42               | 0.48               | 0.48               | 0.55               | 0.38               | 0.45               | 0.51               | 0.51               | 0.58               | 0.41               | 0.48               | 0.54               | 0.54               | 0.62               | 0.43               | 0.51               | 0.58               | 0.58               | 0.66               |
|                  |                    | PI                     | 0.60               | 0.60               | 0.60               | 0.60               | 0.60               | 0.63               | 0.63               | 0.63               | 0.63               | 0.63               | 0.67               | 0.67               | 0.67               | 0.67               | 0.67               | 0.71               | 0.71               | 0.71               | 0.71               | 0.71               |
|                  | 47°F<br>(8.3°C)    | TC                     | 13080              | 13097              | 13111              | 13112              | 13130              | 13868              | 13884              | 13898              | 13901              | 13917              | 14696              | 14716              | 14732              | 14735              | 14751              | 15582              | 15599              | 15616              | 15618              | 15638              |
|                  |                    | S/T                    | 0.36               | 0.43               | 0.48               | 0.48               | 0.55               | 0.39               | 0.45               | 0.51               | 0.51               | 0.59               | 0.41               | 0.48               | 0.54               | 0.54               | 0.62               | 0.43               | 0.51               | 0.58               | 0.58               | 0.66               |
|                  |                    | PI                     | 0.66               | 0.66               | 0.66               | 0.66               | 0.66               | 0.70               | 0.70               | 0.70               | 0.70               | 0.70               | 0.74               | 0.74               | 0.74               | 0.74               | 0.74               | 0.78               | 0.79               | 0.79               | 0.79               | 0.79               |
|                  | 50°F<br>(10.0°C)   | TC                     | 13264              | 13282              | 13296              | 13297              | 13315              | 14064              | 14080              | 14094              | 14097              | 14114              | 14904              | 14923              | 14940              | 14943              | 14959              | 15802              | 15819              | 15836              | 15839              | 15858              |
|                  |                    | S/T                    | 0.37               | 0.43               | 0.49               | 0.49               | 0.55               | 0.39               | 0.45               | 0.52               | 0.52               | 0.59               | 0.41               | 0.48               | 0.55               | 0.55               | 0.62               | 0.43               | 0.51               | 0.58               | 0.58               | 0.66               |
|                  |                    | PI                     | 0.67               | 0.67               | 0.67               | 0.67               | 0.67               | 0.71               | 0.71               | 0.71               | 0.71               | 0.71               | 0.75               | 0.76               | 0.76               | 0.76               | 0.76               | 0.80               | 0.80               | 0.80               | 0.80               | 0.80               |
|                  | 59°F<br>(15.0°C)   | TC                     | 13818              | 13837              | 13851              | 13852              | 13871              | 14651              | 14668              | 14682              | 14685              | 14703              | 15526              | 15546              | 15563              | 15566              | 15584              | 16461              | 16479              | 16497              | 16500              | 16520              |
|                  |                    | S/T                    | 0.37               | 0.43               | 0.49               | 0.49               | 0.56               | 0.39               | 0.46               | 0.52               | 0.52               | 0.59               | 0.41               | 0.48               | 0.55               | 0.55               | 0.63               | 0.44               | 0.51               | 0.58               | 0.58               | 0.66               |
|                  |                    | PI                     | 0.71               | 0.71               | 0.71               | 0.71               | 0.71               | 0.75               | 0.75               | 0.75               | 0.75               | 0.76               | 0.80               | 0.80               | 0.80               | 0.80               | 0.80               | 0.85               | 0.85               | 0.85               | 0.85               | 0.85               |
|                  | 68°F<br>(20.0°C)   | TC                     | 14372              | 14391              | 14406              | 14407              | 14426              | 15238              | 15256              | 15271              | 15274              | 15292              | 16148              | 16169              | 16187              | 16190              | 16208              | 17121              | 17140              | 17158              | 17161              | 17182              |
|                  |                    | S/T                    | 0.38               | 0.44               | 0.50               | 0.50               | 0.57               | 0.40               | 0.47               | 0.53               | 0.53               | 0.61               | 0.42               | 0.50               | 0.56               | 0.56               | 0.64               | 0.45               | 0.53               | 0.60               | 0.60               | 0.68               |
|                  |                    | PI                     | 0.75               | 0.75               | 0.75               | 0.75               | 0.75               | 0.79               | 0.79               | 0.80               | 0.80               | 0.80               | 0.84               | 0.84               | 0.84               | 0.84               | 0.84               | 0.89               | 0.89               | 0.89               | 0.89               | 0.89               |
|                  | 77°F<br>(25.0°C)   | TC                     | 14925              | 14945              | 14961              | 14962              | 14982              | 15825              | 15843              | 15859              | 15862              | 15881              | 16770              | 16792              | 16811              | 16814              | 16833              | 17781              | 17800              | 17819              | 17822              | 17844              |
|                  |                    | S/T                    | 0.38               | 0.45               | 0.51               | 0.51               | 0.58               | 0.40               | 0.47               | 0.54               | 0.54               | 0.61               | 0.43               | 0.50               | 0.57               | 0.57               | 0.65               | 0.45               | 0.53               | 0.61               | 0.61               | 0.69               |
|                  |                    | PI                     | 0.79               | 0.79               | 0.79               | 0.79               | 0.79               | 0.83               | 0.84               | 0.84               | 0.84               | 0.84               | 0.88               | 0.89               | 0.89               | 0.89               | 0.89               | 0.94               | 0.94               | 0.94               | 0.94               | 0.94               |
|                  | 82°F<br>(27.8°C)   | TC                     | 14886              | 14906              | 14922              | 14922              | 14943              | 15783              | 15802              | 15817              | 15820              | 15839              | 16726              | 16747              | 16766              | 16769              | 16788              | 17734              | 17753              | 17772              | 17775              | 17797              |
|                  |                    | S/T                    | 0.39               | 0.45               | 0.52               | 0.52               | 0.59               | 0.41               | 0.48               | 0.55               | 0.55               | 0.62               | 0.43               | 0.51               | 0.58               | 0.58               | 0.66               | 0.46               | 0.54               | 0.61               | 0.61               | 0.70               |
|                  |                    | PI                     | 0.85               | 0.85               | 0.85               | 0.85               | 0.85               | 0.90               | 0.90               | 0.90               | 0.90               | 0.90               | 0.95               | 0.95               | 0.95               | 0.95               | 0.96               | 1.01               | 1.01               | 1.01               | 1.01               | 1.01               |
|                  | 86°F<br>(30.0°C)   | TC                     | 14416              | 14435              | 14451              | 14452              | 14471              | 15285              | 15303              | 15318              | 15321              | 15339              | 16198              | 16219              | 16237              | 16240              | 16258              | 17174              | 17193              | 17211              | 17214              | 17236              |
|                  |                    | S/T                    | 0.39               | 0.46               | 0.52               | 0.52               | 0.59               | 0.41               | 0.49               | 0.55               | 0.55               | 0.63               | 0.44               | 0.52               | 0.59               | 0.59               | 0.67               | 0.47               | 0.55               | 0.62               | 0.62               | 0.71               |
|                  |                    | PI                     | 0.94               | 0.95               | 0.95               | 0.95               | 0.95               | 1.00               | 1.00               | 1.00               | 1.00               | 1.01               | 1.06               | 1.06               | 1.06               | 1.06               | 1.07               | 1.13               | 1.13               | 1.13               | 1.13               | 1.13               |
|                  | 95°F<br>(35.0°C)   | TC                     | 13                 |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |

COOLING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 18 (Sheet 2 of 4)

| AIRFLOW<br>(CFM) | OUTDOOR<br>DB(°F)  | ID<br>WB(°F)<br>DB(°F) | 60.8°F(16.0°C)     |                    |                    |                    |                    | 64.4°F(18.0°C)     |                    |                    |                    |                    | 67°F(19.4°C)       |                    |                    |                    |                    | 71.6°F(22.0°C)     |                    |                    |                    |                    |
|------------------|--------------------|------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                  |                    |                        | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) |
|                  |                    |                        | TC                 | S/T                | PI                 | TC                 | S/T                | PI                 | TC                 | S/T                | PI                 | TC                 | S/T                | PI                 | TC                 | S/T                | PI                 | TC                 | S/T                | PI                 | TC                 | S/T                |
| 529              | -22°F<br>(-30.0°C) | TC                     | 10650              | 10664              | 10676              | 10676              | 10691              | 11292              | 11305              | 11316              | 11319              | 11332              | 11967              | 11982              | 11995              | 11998              | 12011              | 12688              | 12701              | 12715              | 12717              | 12733              |
|                  |                    | S/T                    | 0.39               | 0.45               | 0.52               | 0.52               | 0.59               | 0.41               | 0.48               | 0.55               | 0.55               | 0.62               | 0.43               | 0.51               | 0.58               | 0.58               | 0.66               | 0.46               | 0.54               | 0.61               | 0.61               | 0.70               |
|                  |                    | PI                     | 0.47               | 0.47               | 0.47               | 0.47               | 0.47               | 0.50               | 0.50               | 0.50               | 0.50               | 0.50               | 0.53               | 0.53               | 0.53               | 0.53               | 0.53               | 0.56               | 0.56               | 0.56               | 0.56               | 0.56               |
|                  | -13°F<br>(-25.0°C) | TC                     | 11538              | 11553              | 11566              | 11566              | 11582              | 12233              | 12247              | 12260              | 12262              | 12276              | 12964              | 12981              | 12995              | 12998              | 13012              | 13745              | 13760              | 13775              | 13777              | 13794              |
|                  |                    | S/T                    | 0.39               | 0.46               | 0.52               | 0.52               | 0.59               | 0.41               | 0.48               | 0.55               | 0.55               | 0.63               | 0.44               | 0.51               | 0.58               | 0.58               | 0.67               | 0.46               | 0.54               | 0.62               | 0.62               | 0.71               |
|                  |                    | PI                     | 0.51               | 0.51               | 0.51               | 0.51               | 0.51               | 0.54               | 0.54               | 0.54               | 0.54               | 0.54               | 0.57               | 0.57               | 0.58               | 0.58               | 0.58               | 0.61               | 0.61               | 0.61               | 0.61               | 0.61               |
|                  | -4°F<br>(-20.0°C)  | TC                     | 12425              | 12442              | 12455              | 12456              | 12473              | 13174              | 13190              | 13203              | 13205              | 13221              | 13961              | 13979              | 13995              | 13997              | 14013              | 14802              | 14818              | 14834              | 14837              | 14855              |
|                  |                    | S/T                    | 0.39               | 0.46               | 0.52               | 0.52               | 0.60               | 0.42               | 0.49               | 0.55               | 0.55               | 0.63               | 0.44               | 0.52               | 0.59               | 0.59               | 0.67               | 0.47               | 0.55               | 0.62               | 0.62               | 0.71               |
|                  |                    | PI                     | 0.55               | 0.55               | 0.55               | 0.55               | 0.55               | 0.58               | 0.58               | 0.58               | 0.58               | 0.59               | 0.62               | 0.62               | 0.62               | 0.62               | 0.62               | 0.66               | 0.66               | 0.66               | 0.66               | 0.66               |
|                  | 0°F<br>(-17.8°C)   | TC                     | 12820              | 12837              | 12851              | 12851              | 12869              | 13592              | 13608              | 13622              | 13624              | 13641              | 14404              | 14423              | 14439              | 14442              | 14458              | 15272              | 15289              | 15305              | 15308              | 15327              |
|                  |                    | S/T                    | 0.39               | 0.46               | 0.52               | 0.52               | 0.60               | 0.42               | 0.49               | 0.56               | 0.56               | 0.63               | 0.44               | 0.52               | 0.59               | 0.59               | 0.67               | 0.47               | 0.55               | 0.62               | 0.62               | 0.71               |
|                  |                    | PI                     | 0.57               | 0.57               | 0.57               | 0.57               | 0.57               | 0.60               | 0.60               | 0.60               | 0.60               | 0.60               | 0.64               | 0.64               | 0.64               | 0.64               | 0.64               | 0.68               | 0.68               | 0.68               | 0.68               | 0.68               |
|                  | 5°F<br>(-15.0°C)   | TC                     | 13313              | 13331              | 13345              | 13345              | 13363              | 14115              | 14132              | 14146              | 14148              | 14165              | 14958              | 14978              | 14994              | 14997              | 15014              | 15859              | 15877              | 15894              | 15896              | 15916              |
|                  |                    | S/T                    | 0.39               | 0.46               | 0.53               | 0.53               | 0.60               | 0.42               | 0.49               | 0.56               | 0.56               | 0.64               | 0.44               | 0.52               | 0.59               | 0.59               | 0.67               | 0.47               | 0.55               | 0.63               | 0.63               | 0.71               |
|                  |                    | PI                     | 0.59               | 0.59               | 0.59               | 0.59               | 0.59               | 0.63               | 0.63               | 0.63               | 0.63               | 0.63               | 0.66               | 0.66               | 0.66               | 0.66               | 0.67               | 0.70               | 0.70               | 0.70               | 0.70               | 0.70               |
|                  | 14°F<br>(-10.0°C)  | TC                     | 14092              | 14111              | 14126              | 14127              | 14146              | 14941              | 14959              | 14974              | 14977              | 14994              | 15834              | 15855              | 15872              | 15875              | 15893              | 16788              | 16806              | 16825              | 16827              | 16848              |
|                  |                    | S/T                    | 0.40               | 0.46               | 0.53               | 0.53               | 0.60               | 0.42               | 0.49               | 0.56               | 0.56               | 0.64               | 0.44               | 0.52               | 0.59               | 0.59               | 0.68               | 0.47               | 0.55               | 0.63               | 0.63               | 0.72               |
|                  |                    | PI                     | 0.55               | 0.55               | 0.55               | 0.55               | 0.55               | 0.58               | 0.58               | 0.58               | 0.58               | 0.58               | 0.62               | 0.62               | 0.62               | 0.62               | 0.62               | 0.65               | 0.65               | 0.65               | 0.65               | 0.66               |
|                  | 17°F<br>(-8.3°C)   | TC                     | 14352              | 14371              | 14387              | 14387              | 14407              | 15217              | 15235              | 15250              | 15253              | 15271              | 16126              | 16147              | 16165              | 16168              | 16186              | 17097              | 17116              | 17135              | 17137              | 17159              |
|                  |                    | S/T                    | 0.40               | 0.47               | 0.53               | 0.53               | 0.60               | 0.42               | 0.49               | 0.56               | 0.56               | 0.64               | 0.45               | 0.52               | 0.59               | 0.59               | 0.68               | 0.47               | 0.55               | 0.63               | 0.63               | 0.72               |
|                  |                    | PI                     | 0.53               | 0.54               | 0.54               | 0.54               | 0.54               | 0.57               | 0.57               | 0.57               | 0.57               | 0.57               | 0.60               | 0.60               | 0.60               | 0.60               | 0.60               | 0.64               | 0.64               | 0.64               | 0.64               | 0.64               |
|                  | 23°F<br>(-5.0°C)   | TC                     | 14652              | 14672              | 14688              | 14688              | 14708              | 15535              | 15554              | 15569              | 15572              | 15591              | 16463              | 16485              | 16503              | 16506              | 16525              | 17455              | 17474              | 17493              | 17496              | 17518              |
|                  |                    | S/T                    | 0.40               | 0.47               | 0.53               | 0.53               | 0.61               | 0.42               | 0.50               | 0.56               | 0.56               | 0.64               | 0.45               | 0.53               | 0.60               | 0.60               | 0.68               | 0.48               | 0.56               | 0.63               | 0.63               | 0.72               |
|                  |                    | PI                     | 0.55               | 0.55               | 0.55               | 0.55               | 0.56               | 0.59               | 0.59               | 0.59               | 0.59               | 0.59               | 0.62               | 0.62               | 0.62               | 0.62               | 0.62               | 0.66               | 0.66               | 0.66               | 0.66               | 0.66               |
|                  | 35°F<br>(1.7°C)    | TC                     | 15253              | 15274              | 15290              | 15291              | 15311              | 16172              | 16192              | 16208              | 16211              | 16230              | 17139              | 17161              | 17180              | 17183              | 17202              | 18171              | 18191              | 18211              | 18214              | 18236              |
|                  |                    | S/T                    | 0.40               | 0.47               | 0.53               | 0.53               | 0.61               | 0.42               | 0.50               | 0.57               | 0.57               | 0.65               | 0.45               | 0.53               | 0.60               | 0.60               | 0.68               | 0.48               | 0.56               | 0.64               | 0.64               | 0.73               |
|                  |                    | PI                     | 0.59               | 0.59               | 0.59               | 0.59               | 0.59               | 0.63               | 0.63               | 0.63               | 0.63               | 0.63               | 0.66               | 0.66               | 0.66               | 0.66               | 0.67               | 0.70               | 0.70               | 0.70               | 0.70               | 0.71               |
|                  | 41°F<br>(5.0°C)    | TC                     | 14880              | 14900              | 14916              | 14917              | 14937              | 15777              | 15795              | 15811              | 15814              | 15833              | 16719              | 16741              | 16760              | 16763              | 16782              | 17727              | 17746              | 17765              | 17768              | 17790              |
|                  |                    | S/T                    | 0.40               | 0.47               | 0.54               | 0.54               | 0.61               | 0.43               | 0.50               | 0.57               | 0.57               | 0.65               | 0.45               | 0.53               | 0.60               | 0.60               | 0.69               | 0.48               | 0.56               | 0.64               | 0.64               | 0.73               |
|                  |                    | PI                     | 0.66               | 0.66               | 0.66               | 0.66               | 0.66               | 0.70               | 0.70               | 0.70               | 0.70               | 0.70               | 0.74               | 0.74               | 0.74               | 0.74               | 0.74               | 0.79               | 0.79               | 0.79               | 0.79               | 0.79               |
|                  | 47°F<br>(8.3°C)    | TC                     | 14507              | 14526              | 14542              | 14543              | 14562              | 15381              | 15399              | 15415              | 15418              | 15436              | 16300              | 16321              | 16340              | 16343              | 16361              | 17282              | 17301              | 17320              | 17323              | 17344              |
|                  |                    | S/T                    | 0.40               | 0.47               | 0.54               | 0.54               | 0.61               | 0.43               | 0.50               | 0.57               | 0.57               | 0.65               | 0.45               | 0.53               | 0.60               | 0.60               | 0.69               | 0.48               | 0.56               | 0.64               | 0.64               | 0.73               |
|                  |                    | PI                     | 0.73               | 0.73               | 0.73               | 0.73               | 0.73               | 0.77               | 0.78               | 0.78               | 0.78               | 0.78               | 0.82               | 0.82               | 0.82               | 0.82               | 0.82               | 0.87               | 0.87               | 0.87               | 0.87               | 0.87               |
|                  | 50°F<br>(10.0°C)   | TC                     | 14712              | 14731              | 14747              | 14748              | 14768              | 15598              | 15617              | 15632              | 15635              | 15654              | 16530              | 16552              | 16570              | 16573              | 16592              | 17526              | 17545              | 17564              | 17567              | 17589              |
|                  |                    | S/T                    | 0.40               | 0.48               | 0.54               | 0.54               | 0.62               | 0.43               | 0.50               | 0.57               | 0.57               | 0.65               | 0.45               | 0.53               | 0.61               | 0.61               | 0.69               | 0.48               | 0.57               | 0.64               | 0.64               | 0.73               |
|                  |                    | PI                     | 0.74               | 0.75               | 0.75               | 0.75               | 0.75               | 0.79               | 0.79               | 0.79               | 0.79               | 0.79               | 0.84               | 0.84               | 0.84               | 0.84               | 0.84               | 0.89               | 0.89               | 0.89               | 0.89               | 0.89               |
|                  | 59°F<br>(15.0°C)   | TC                     | 15326              | 15346              | 15363              | 15364              | 15384              | 16249              | 16269              | 16285              | 16288              | 16307              | 17220              | 17243              | 17262              | 17265              | 17284              | 18258              | 18278              | 18297              | 18300              | 18323              |
|                  |                    | S/T                    | 0.41               | 0.48               | 0.54               | 0.54               | 0.62               | 0.43               | 0.51               | 0.58               | 0.58               | 0.66               | 0.46               | 0.54               | 0.61               | 0.61               | 0.70               | 0.48               | 0.57               | 0.65               | 0.65               | 0.74               |
|                  |                    | PI                     | 0.79               | 0.79               | 0.79               | 0.79               | 0.79               | 0.83               | 0.84               | 0.84               | 0.84               | 0.84               | 0.88               | 0.89               | 0.89               | 0.89               | 0.89               | 0.94               | 0.94               | 0.94               | 0.94               | 0.94               |
|                  | 68°F<br>(20.0°C)   | TC                     | 15940              | 15961              | 15978              | 15979              | 16001              | 16900              | 16920              | 16937              | 16941              | 16961              | 17910              | 17933              | 17953              | 17957              | 17977              | 18989              | 19010              | 19031              | 19034              | 19057              |
|                  |                    | S/T                    | 0.42               | 0.49               | 0.56               | 0.56               | 0.64               | 0.44               | 0.52               | 0.59               | 0.59               | 0.67               | 0.47               | 0.55               | 0.63               | 0.63               | 0.71               | 0.50               | 0.58               | 0.66               | 0.66               | 0.76               |
|                  |                    | PI                     | 0.83               | 0.83               | 0.83               | 0.83               | 0.83               | 0.88               | 0.88               | 0.88               | 0.88               | 0.88               | 0.93               | 0.93               | 0.93               | 0.93               | 0.94               | 0.99               | 0.99               | 0.99               | 0.99               | 0.99               |
|                  | 77°F<br>(25.0°C)   | TC                     | 16554              | 16576              | 16594              | 16595              | 16617              | 17552              | 17572              | 17590              | 17593              | 17614              | 18600              | 18624              | 18645              | 18649              | 18669              | 19721              | 19742              | 19764              | 19767              | 19791              |
|                  |                    | S/T                    | 0.42               | 0.50               | 0.56               | 0.56               | 0.64               | 0.45               | 0.53               | 0.60               | 0.60               | 0.68               | 0.48               | 0.56               | 0.63               | 0.63               | 0.72               | 0.50               | 0.59               | 0.67               | 0.67               | 0.77               |
|                  |                    | PI                     | 0.87               | 0.87               | 0.87               | 0.87               | 0.88               | 0.93               | 0.93               | 0.93               | 0.93               | 0.93               | 0.98               | 0.98               | 0.98               | 0.98               | 0.98               | 1.04               | 1.04               | 1.04               | 1.04               | 1.04               |
|                  | 82°F<br>(27.8°C)   | TC                     | 16510              | 16532              | 16550              | 16551              | 16573              | 17505              | 17526              | 17543              | 17547              | 17567              | 18551              | 18575              | 18596              | 18599              | 18620              | 19669              | 19690              | 19711              | 19714              | 19739              |
|                  |                    | S/T                    | 0.43               | 0.50               | 0.57               | 0.57               | 0.65               | 0.45               | 0.53               | 0.61               | 0.61               | 0.69               | 0.48               | 0.57               | 0.64               | 0.64               | 0.73               | 0.51               | 0.60               | 0.68               | 0.68               | 0.78               |
|                  |                    | PI                     | 0.94               | 0.94               | 0.94               | 0.94               | 0.94               | 1.00               | 1.00               | 1.00               | 1.00               | 1.00               | 1.06               | 1.06               | 1.06               | 1.06               | 1.06               | 1.12               | 1.12               | 1.12               | 1.12               | 1.12               |
|                  | 86°F<br>(30.0°C)   | TC                     | 15989              | 16011              | 16028              | 16029              | 16050              | 16953              | 16973              | 16990              | 16993              | 17013              | 17966              | 17989              | 18009              | 18012              | 18032              | 19048              | 19069              | 19090              | 19093              | 19116              |
|                  |                    | S/T                    | 0.43               | 0.51               | 0.58               | 0.58               | 0.66               | 0.46               | 0.54               | 0.61               | 0.61               | 0.70               | 0.49               | 0.57               | 0.65               | 0.65               | 0.74               | 0.52               | 0.61               | 0.69               | 0.69               | 0.79               |
|                  |                    | PI                     | 1.05               | 1.05               |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |

COOLING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 18 (Sheet 3 of 4)

| AIRFLOW<br>(CFM) | OUTDOOR<br>DB(°F)  | ID<br>WB(°F)<br>DB(°F) | 60.8°F(16.0°C)     |                    |                    |                    |                    | 64.4°F(18.0°C)     |                    |                    |                    |                    | 67°F(19.4°C)       |                    |                    |                    |                    | 71.6°F(22.0°C)     |                    |                    |                    |                    |
|------------------|--------------------|------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                  |                    |                        | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) |
|                  |                    |                        |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |
| 618              | -22°F<br>(-30.0°C) | TC                     | 11812              | 11828              | 11841              | 11841              | 11857              | 12524              | 12539              | 12551              | 12554              | 12569              | 13272              | 13290              | 13304              | 13307              | 13322              | 14072              | 14087              | 14103              | 14105              | 14122              |
|                  |                    | S/T                    | 0.43               | 0.50               | 0.57               | 0.57               | 0.65               | 0.45               | 0.53               | 0.61               | 0.61               | 0.69               | 0.48               | 0.57               | 0.64               | 0.64               | 0.73               | 0.51               | 0.60               | 0.68               | 0.68               | 0.78               |
|                  |                    | PI                     | 0.52               | 0.52               | 0.52               | 0.52               | 0.53               | 0.55               | 0.56               | 0.56               | 0.56               | 0.56               | 0.59               | 0.59               | 0.59               | 0.59               | 0.59               | 0.62               | 0.62               | 0.62               | 0.62               | 0.63               |
|                  | -13°F<br>(-25.0°C) | TC                     | 12797              | 12814              | 12828              | 12828              | 12846              | 13568              | 13584              | 13597              | 13600              | 13616              | 14378              | 14397              | 14413              | 14416              | 14432              | 15245              | 15261              | 15278              | 15280              | 15299              |
|                  |                    | S/T                    | 0.43               | 0.51               | 0.58               | 0.58               | 0.66               | 0.46               | 0.54               | 0.61               | 0.61               | 0.70               | 0.49               | 0.57               | 0.65               | 0.65               | 0.74               | 0.51               | 0.60               | 0.69               | 0.69               | 0.78               |
|                  |                    | PI                     | 0.57               | 0.57               | 0.57               | 0.57               | 0.57               | 0.60               | 0.60               | 0.60               | 0.60               | 0.60               | 0.64               | 0.64               | 0.64               | 0.64               | 0.64               | 0.68               | 0.68               | 0.68               | 0.68               | 0.68               |
|                  | -4°F<br>(-20.0°C)  | TC                     | 13781              | 13800              | 13814              | 13815              | 13834              | 14611              | 14629              | 14643              | 14646              | 14664              | 15484              | 15505              | 15522              | 15525              | 15542              | 16417              | 16435              | 16453              | 16456              | 16476              |
|                  |                    | S/T                    | 0.43               | 0.51               | 0.58               | 0.58               | 0.66               | 0.46               | 0.54               | 0.61               | 0.61               | 0.70               | 0.49               | 0.57               | 0.65               | 0.65               | 0.74               | 0.52               | 0.61               | 0.69               | 0.69               | 0.79               |
|                  |                    | PI                     | 0.61               | 0.61               | 0.61               | 0.61               | 0.61               | 0.65               | 0.65               | 0.65               | 0.65               | 0.65               | 0.69               | 0.69               | 0.69               | 0.69               | 0.69               | 0.73               | 0.73               | 0.73               | 0.73               | 0.73               |
|                  | 0°F<br>(-17.8°C)   | TC                     | 14218              | 14238              | 14253              | 14254              | 14273              | 15075              | 15093              | 15108              | 15111              | 15129              | 15976              | 15997              | 16015              | 16018              | 16035              | 16939              | 16957              | 16975              | 16978              | 16999              |
|                  |                    | S/T                    | 0.44               | 0.51               | 0.58               | 0.58               | 0.66               | 0.46               | 0.54               | 0.62               | 0.62               | 0.70               | 0.49               | 0.57               | 0.65               | 0.65               | 0.74               | 0.52               | 0.61               | 0.69               | 0.69               | 0.79               |
|                  |                    | PI                     | 0.63               | 0.63               | 0.63               | 0.63               | 0.63               | 0.67               | 0.67               | 0.67               | 0.67               | 0.67               | 0.71               | 0.71               | 0.71               | 0.71               | 0.71               | 0.75               | 0.75               | 0.75               | 0.75               | 0.75               |
|                  | 5°F<br>(-15.0°C)   | TC                     | 14765              | 14785              | 14801              | 14802              | 14822              | 15655              | 15674              | 15689              | 15692              | 15711              | 16590              | 16612              | 16631              | 16634              | 16652              | 17590              | 17609              | 17628              | 17631              | 17653              |
|                  |                    | S/T                    | 0.44               | 0.51               | 0.58               | 0.58               | 0.67               | 0.46               | 0.54               | 0.62               | 0.62               | 0.71               | 0.49               | 0.58               | 0.66               | 0.66               | 0.75               | 0.52               | 0.61               | 0.70               | 0.70               | 0.79               |
|                  |                    | PI                     | 0.65               | 0.65               | 0.66               | 0.66               | 0.66               | 0.69               | 0.69               | 0.69               | 0.69               | 0.70               | 0.70               | 0.73               | 0.74               | 0.74               | 0.74               | 0.78               | 0.78               | 0.78               | 0.78               | 0.78               |
|                  | 14°F<br>(-10.0°C)  | TC                     | 15630              | 15651              | 15668              | 15668              | 15689              | 16572              | 16591              | 16608              | 16611              | 16631              | 17562              | 17585              | 17604              | 17607              | 17627              | 18620              | 18640              | 18663              | 18663              | 18687              |
|                  |                    | S/T                    | 0.44               | 0.51               | 0.59               | 0.59               | 0.67               | 0.47               | 0.55               | 0.62               | 0.62               | 0.71               | 0.49               | 0.58               | 0.66               | 0.66               | 0.75               | 0.52               | 0.61               | 0.70               | 0.70               | 0.79               |
|                  |                    | PI                     | 0.61               | 0.61               | 0.61               | 0.61               | 0.61               | 0.65               | 0.65               | 0.65               | 0.65               | 0.65               | 0.68               | 0.68               | 0.69               | 0.69               | 0.69               | 0.72               | 0.73               | 0.73               | 0.73               | 0.73               |
|                  | 17°F<br>(-8.3°C)   | TC                     | 15918              | 15939              | 15957              | 15957              | 15979              | 16877              | 16897              | 16914              | 16917              | 16937              | 17886              | 17909              | 17929              | 17932              | 17952              | 18963              | 18984              | 19004              | 19007              | 19031              |
|                  |                    | S/T                    | 0.44               | 0.52               | 0.59               | 0.59               | 0.67               | 0.47               | 0.55               | 0.62               | 0.62               | 0.71               | 0.49               | 0.58               | 0.66               | 0.66               | 0.75               | 0.52               | 0.62               | 0.70               | 0.70               | 0.80               |
|                  |                    | PI                     | 0.59               | 0.59               | 0.59               | 0.59               | 0.60               | 0.63               | 0.63               | 0.63               | 0.63               | 0.63               | 0.67               | 0.67               | 0.67               | 0.67               | 0.67               | 0.71               | 0.71               | 0.71               | 0.71               | 0.71               |
|                  | 23°F<br>(-5.0°C)   | TC                     | 16251              | 16273              | 16291              | 16291              | 16313              | 17231              | 17251              | 17268              | 17271              | 17292              | 18260              | 18284              | 18304              | 18307              | 18328              | 19360              | 19381              | 19402              | 19405              | 19429              |
|                  |                    | S/T                    | 0.44               | 0.52               | 0.59               | 0.59               | 0.67               | 0.47               | 0.55               | 0.63               | 0.63               | 0.71               | 0.50               | 0.58               | 0.66               | 0.66               | 0.76               | 0.53               | 0.62               | 0.70               | 0.70               | 0.80               |
|                  |                    | PI                     | 0.61               | 0.61               | 0.62               | 0.62               | 0.62               | 0.65               | 0.65               | 0.65               | 0.65               | 0.65               | 0.69               | 0.69               | 0.69               | 0.69               | 0.69               | 0.73               | 0.73               | 0.73               | 0.73               | 0.73               |
|                  | 35°F<br>(1.7°C)    | TC                     | 16918              | 16940              | 16959              | 16959              | 16982              | 17937              | 17958              | 17976              | 17980              | 18001              | 19009              | 19033              | 19055              | 19058              | 19079              | 20154              | 20176              | 20198              | 20201              | 20226              |
|                  |                    | S/T                    | 0.44               | 0.52               | 0.59               | 0.59               | 0.68               | 0.47               | 0.55               | 0.63               | 0.63               | 0.72               | 0.50               | 0.59               | 0.67               | 0.67               | 0.76               | 0.53               | 0.62               | 0.71               | 0.71               | 0.80               |
|                  |                    | PI                     | 0.65               | 0.66               | 0.66               | 0.66               | 0.66               | 0.69               | 0.70               | 0.70               | 0.70               | 0.70               | 0.74               | 0.74               | 0.74               | 0.74               | 0.74               | 0.78               | 0.78               | 0.78               | 0.78               | 0.78               |
|                  | 41°F<br>(5.0°C)    | TC                     | 16504              | 16526              | 16544              | 16545              | 16567              | 17498              | 17519              | 17536              | 17540              | 17561              | 18544              | 18568              | 18589              | 18592              | 18613              | 19661              | 19682              | 19704              | 19707              | 19732              |
|                  |                    | S/T                    | 0.45               | 0.52               | 0.59               | 0.59               | 0.68               | 0.47               | 0.55               | 0.63               | 0.63               | 0.72               | 0.50               | 0.59               | 0.67               | 0.67               | 0.76               | 0.53               | 0.62               | 0.71               | 0.71               | 0.81               |
|                  |                    | PI                     | 0.73               | 0.73               | 0.73               | 0.73               | 0.74               | 0.78               | 0.78               | 0.78               | 0.78               | 0.78               | 0.82               | 0.82               | 0.82               | 0.83               | 0.83               | 0.87               | 0.87               | 0.87               | 0.87               | 0.88               |
|                  | 47°F<br>(8.3°C)    | TC                     | 16090              | 16112              | 16129              | 16130              | 16151              | 17060              | 17080              | 17097              | 17100              | 17120              | 18079              | 18102              | 18123              | 18126              | 18146              | 19168              | 19189              | 19210              | 19213              | 19237              |
|                  |                    | S/T                    | 0.45               | 0.52               | 0.60               | 0.60               | 0.68               | 0.47               | 0.56               | 0.63               | 0.63               | 0.72               | 0.50               | 0.59               | 0.67               | 0.67               | 0.76               | 0.53               | 0.62               | 0.71               | 0.71               | 0.81               |
|                  |                    | PI                     | 0.81               | 0.81               | 0.81               | 0.81               | 0.81               | 0.86               | 0.86               | 0.86               | 0.86               | 0.86               | 0.91               | 0.91               | 0.91               | 0.91               | 0.91               | 0.97               | 0.97               | 0.97               | 0.97               | 0.97               |
|                  | 50°F<br>(10.0°C)   | TC                     | 16317              | 16339              | 16357              | 16357              | 16379              | 17300              | 17321              | 17338              | 17341              | 17362              | 18334              | 18358              | 18378              | 18382              | 18402              | 19439              | 19460              | 19481              | 19484              | 19508              |
|                  |                    | S/T                    | 0.45               | 0.53               | 0.60               | 0.60               | 0.68               | 0.48               | 0.56               | 0.63               | 0.63               | 0.72               | 0.50               | 0.59               | 0.67               | 0.67               | 0.77               | 0.53               | 0.63               | 0.71               | 0.71               | 0.81               |
|                  |                    | PI                     | 0.83               | 0.83               | 0.83               | 0.83               | 0.83               | 0.88               | 0.88               | 0.88               | 0.88               | 0.88               | 0.93               | 0.93               | 0.93               | 0.93               | 0.93               | 0.98               | 0.98               | 0.99               | 0.99               | 0.99               |
|                  | 59°F<br>(15.0°C)   | TC                     | 16998              | 17021              | 17039              | 17040              | 17063              | 18023              | 18044              | 18062              | 18065              | 18087              | 19099              | 19124              | 19145              | 19149              | 19170              | 20250              | 20272              | 20294              | 20297              | 20323              |
|                  |                    | S/T                    | 0.45               | 0.53               | 0.60               | 0.60               | 0.69               | 0.48               | 0.56               | 0.64               | 0.64               | 0.73               | 0.51               | 0.60               | 0.68               | 0.68               | 0.77               | 0.54               | 0.63               | 0.72               | 0.72               | 0.82               |
|                  |                    | PI                     | 0.87               | 0.87               | 0.88               | 0.88               | 0.88               | 0.93               | 0.93               | 0.93               | 0.93               | 0.93               | 0.98               | 0.98               | 0.98               | 0.98               | 0.98               | 1.04               | 1.04               | 1.04               | 1.04               | 1.04               |
|                  | 68°F<br>(20.0°C)   | TC                     | 17679              | 17703              | 17722              | 17723              | 17747              | 18745              | 18767              | 18785              | 18789              | 18811              | 19865              | 19890              | 19912              | 19916              | 19938              | 21061              | 21084              | 21107              | 21111              | 21137              |
|                  |                    | S/T                    | 0.46               | 0.54               | 0.62               | 0.62               | 0.70               | 0.49               | 0.58               | 0.65               | 0.66               | 0.75               | 0.52               | 0.61               | 0.69               | 0.69               | 0.79               | 0.55               | 0.65               | 0.74               | 0.74               | 0.84               |
|                  |                    | PI                     | 0.92               | 0.92               | 0.92               | 0.92               | 0.92               | 0.98               | 0.98               | 0.98               | 0.98               | 0.98               | 1.03               | 1.04               | 1.04               | 1.04               | 1.04               | 1.10               | 1.10               | 1.10               | 1.10               | 1.10               |
|                  | 77°F<br>(25.0°C)   | TC                     | 18360              | 18385              | 18405              | 18406              | 18430              | 19467              | 19490              | 19509              | 19513              | 19536              | 20630              | 20657              | 20680              | 20683              | 20707              | 21873              | 21897              | 21920              | 21924              | 21951              |
|                  |                    | S/T                    | 0.47               | 0.55               | 0.63               | 0.63               | 0.71               | 0.50               | 0.58               | 0.66               | 0.66               | 0.76               | 0.53               | 0.62               | 0.70               | 0.70               | 0.80               | 0.56               | 0.66               | 0.75               | 0.75               | 0.85               |
|                  |                    | PI                     | 0.97               | 0.97               | 0.97               | 0.97               | 0.97               | 1.03               | 1.03               | 1.03               | 1.03               | 1.03               | 1.09               | 1.09               | 1.09               | 1.09               | 1.09               | 1.15               | 1.15               | 1.16               | 1.16               | 1.16               |
|                  | 82°F<br>(27.8°C)   | TC                     | 18312              | 18336              | 18356              | 18357              | 18382              | 19415              | 19438              | 19457              | 19461              | 19484              | 20575              | 20602              | 20625              | 20629              | 20652              | 21815              | 21839              | 21862              | 21866              | 21893              |
|                  |                    | S/T                    | 0.48               | 0.56               | 0.63               | 0.63               | 0.72               | 0.50               | 0.59               | 0.67               | 0.67               | 0.77               | 0.53               | 0.63               | 0.71               | 0.71               | 0.81               | 0.57               | 0.66               | 0.76               | 0.76               | 0.86               |
|                  |                    | PI                     | 1.04               | 1.04               | 1.04               | 1.04               | 1.05               | 1.10               | 1.11               | 1.11               | 1.11               | 1.11               | 1.17               | 1.17               | 1.17               | 1.17               | 1.18               | 1.24               | 1.24               | 1.24               | 1.24               | 1.25               |
|                  | 86°F<br>(30.0°C)   | TC                     | 17734              | 17758              | 17777              | 17778              | 17802              | 18803              | 18825              | 18844              | 18847              | 18870              | 19926              | 19952              | 19974              | 19978              | 20000              | 21127              | 21150              | 21173              | 21176              | 21202              |
|                  |                    | S/T                    | 0.48               | 0.56               | 0.64               | 0.64               | 0.73               | 0.51               | 0.60               | 0.68               | 0.68               | 0.78               | 0.54               | 0.63               | 0.72               | 0.72               | 0.82               | 0.57               | 0.67               | 0.76               | 0.76               | 0.87               |
|                  |                    | PI                     | 1.16               | 1.16               | 1.16               | 1.16               | 1.17               | 1.23               | 1.23               |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |

COOLING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 18 (Sheet 4 of 4)

| AIRFLOW<br>(CFM) | OUTDOOR<br>DB(°F)  | ID<br>WB(°F)<br>DB(°F) | 60.8°F(16.0°C)     |                    |                    |                    |                    | 64.4°F(18.0°C)     |                    |                    |                    |                    | 67°F(19.4°C)       |                    |                    |                    |                    | 71.6°F(22.0°C)     |                    |                    |                    |                    |
|------------------|--------------------|------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                  |                    |                        | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) |
|                  |                    |                        |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |
| 706              | -22°F<br>(-30.0°C) | TC                     | 13101              | 13119              | 13133              | 13134              | 13151              | 13891              | 13907              | 13921              | 13924              | 13940              | 14721              | 14740              | 14756              | 14759              | 14775              | 15608              | 15625              | 15642              | 15644              | 15664              |
|                  |                    | S/T                    | 0.48               | 0.56               | 0.63               | 0.63               | 0.72               | 0.50               | 0.59               | 0.67               | 0.67               | 0.77               | 0.53               | 0.63               | 0.71               | 0.71               | 0.81               | 0.57               | 0.67               | 0.76               | 0.76               | 0.86               |
|                  |                    | PI                     | 0.58               | 0.58               | 0.58               | 0.58               | 0.58               | 0.62               | 0.62               | 0.62               | 0.62               | 0.62               | 0.65               | 0.65               | 0.65               | 0.65               | 0.65               | 0.69               | 0.69               | 0.69               | 0.69               | 0.69               |
|                  | -13°F<br>(-25.0°C) | TC                     | 14193              | 14212              | 14227              | 14228              | 14247              | 15048              | 15066              | 15081              | 15084              | 15102              | 15947              | 15968              | 15986              | 15989              | 16007              | 16908              | 16927              | 16945              | 16948              | 16969              |
|                  |                    | S/T                    | 0.48               | 0.56               | 0.64               | 0.64               | 0.73               | 0.51               | 0.60               | 0.68               | 0.68               | 0.77               | 0.54               | 0.63               | 0.72               | 0.72               | 0.82               | 0.57               | 0.67               | 0.76               | 0.76               | 0.87               |
|                  |                    | PI                     | 0.63               | 0.63               | 0.63               | 0.63               | 0.63               | 0.67               | 0.67               | 0.67               | 0.67               | 0.67               | 0.71               | 0.71               | 0.71               | 0.71               | 0.71               | 0.75               | 0.75               | 0.75               | 0.75               | 0.75               |
|                  | -4°F<br>(-20.0°C)  | TC                     | 15285              | 15305              | 15322              | 15322              | 15343              | 16206              | 16225              | 16241              | 16244              | 16264              | 17174              | 17196              | 17216              | 17219              | 17238              | 18209              | 18229              | 18249              | 18251              | 18274              |
|                  |                    | S/T                    | 0.48               | 0.57               | 0.64               | 0.64               | 0.73               | 0.51               | 0.60               | 0.68               | 0.68               | 0.78               | 0.54               | 0.64               | 0.72               | 0.72               | 0.82               | 0.57               | 0.67               | 0.77               | 0.77               | 0.87               |
|                  |                    | PI                     | 0.68               | 0.68               | 0.68               | 0.68               | 0.68               | 0.72               | 0.72               | 0.72               | 0.72               | 0.72               | 0.76               | 0.76               | 0.76               | 0.76               | 0.76               | 0.81               | 0.81               | 0.81               | 0.81               | 0.81               |
|                  | 0°F<br>(-17.8°C)   | TC                     | 15770              | 15791              | 15808              | 15809              | 15830              | 16720              | 16740              | 16757              | 16760              | 16780              | 17719              | 17742              | 17762              | 17765              | 17785              | 18787              | 18807              | 18828              | 18831              | 18854              |
|                  |                    | S/T                    | 0.48               | 0.57               | 0.64               | 0.64               | 0.73               | 0.51               | 0.60               | 0.68               | 0.68               | 0.78               | 0.54               | 0.64               | 0.72               | 0.72               | 0.83               | 0.58               | 0.68               | 0.77               | 0.77               | 0.88               |
|                  |                    | PI                     | 0.70               | 0.70               | 0.70               | 0.70               | 0.70               | 0.74               | 0.74               | 0.74               | 0.74               | 0.74               | 0.78               | 0.79               | 0.79               | 0.79               | 0.79               | 0.83               | 0.83               | 0.83               | 0.83               | 0.84               |
|                  | 5°F<br>(-15.0°C)   | TC                     | 16377              | 16399              | 16416              | 16417              | 16439              | 17363              | 17384              | 17401              | 17405              | 17425              | 18401              | 18425              | 18445              | 18449              | 18469              | 19510              | 19531              | 19552              | 19555              | 19579              |
|                  |                    | S/T                    | 0.49               | 0.57               | 0.65               | 0.65               | 0.74               | 0.51               | 0.60               | 0.69               | 0.69               | 0.78               | 0.55               | 0.64               | 0.73               | 0.73               | 0.83               | 0.58               | 0.68               | 0.77               | 0.77               | 0.88               |
|                  |                    | PI                     | 0.73               | 0.73               | 0.73               | 0.73               | 0.73               | 0.77               | 0.77               | 0.77               | 0.77               | 0.77               | 0.82               | 0.82               | 0.82               | 0.82               | 0.82               | 0.86               | 0.87               | 0.87               | 0.87               | 0.87               |
|                  | 14°F<br>(-10.0°C)  | TC                     | 17335              | 17359              | 17377              | 17378              | 17402              | 18380              | 18402              | 18420              | 18424              | 18445              | 19478              | 19503              | 19525              | 19529              | 19551              | 20652              | 20674              | 20697              | 20700              | 20726              |
|                  |                    | S/T                    | 0.49               | 0.57               | 0.65               | 0.65               | 0.74               | 0.52               | 0.61               | 0.69               | 0.69               | 0.78               | 0.55               | 0.64               | 0.73               | 0.73               | 0.83               | 0.58               | 0.68               | 0.77               | 0.77               | 0.88               |
|                  |                    | PI                     | 0.67               | 0.68               | 0.68               | 0.68               | 0.68               | 0.72               | 0.72               | 0.72               | 0.72               | 0.72               | 0.76               | 0.76               | 0.76               | 0.76               | 0.76               | 0.80               | 0.80               | 0.81               | 0.81               | 0.81               |
|                  | 17°F<br>(-8.3°C)   | TC                     | 17655              | 17679              | 17698              | 17698              | 17722              | 18719              | 18741              | 18760              | 18763              | 18786              | 19837              | 19863              | 19885              | 19889              | 19911              | 21032              | 21055              | 21078              | 21082              | 21108              |
|                  |                    | S/T                    | 0.49               | 0.57               | 0.65               | 0.65               | 0.74               | 0.52               | 0.61               | 0.69               | 0.69               | 0.79               | 0.55               | 0.64               | 0.73               | 0.73               | 0.83               | 0.58               | 0.68               | 0.78               | 0.78               | 0.88               |
|                  |                    | PI                     | 0.66               | 0.66               | 0.66               | 0.66               | 0.66               | 0.70               | 0.70               | 0.70               | 0.70               | 0.70               | 0.74               | 0.74               | 0.74               | 0.74               | 0.74               | 0.78               | 0.78               | 0.79               | 0.79               | 0.79               |
|                  | 23°F<br>(-5.0°C)   | TC                     | 18024              | 18049              | 18068              | 18069              | 18093              | 19111              | 19133              | 19152              | 19156              | 19179              | 20252              | 20279              | 20301              | 20305              | 20328              | 21473              | 21496              | 21519              | 21523              | 21550              |
|                  |                    | S/T                    | 0.49               | 0.58               | 0.65               | 0.65               | 0.75               | 0.52               | 0.61               | 0.69               | 0.69               | 0.79               | 0.55               | 0.65               | 0.74               | 0.74               | 0.84               | 0.58               | 0.69               | 0.78               | 0.78               | 0.89               |
|                  |                    | PI                     | 0.68               | 0.68               | 0.68               | 0.68               | 0.68               | 0.72               | 0.72               | 0.72               | 0.72               | 0.72               | 0.76               | 0.77               | 0.77               | 0.77               | 0.77               | 0.81               | 0.81               | 0.81               | 0.81               | 0.81               |
|                  | 35°F<br>(1.7°C)    | TC                     | 18764              | 18789              | 18809              | 18810              | 18835              | 19894              | 19918              | 19938              | 19942              | 19965              | 21083              | 21110              | 21134              | 21138              | 21161              | 22353              | 22378              | 22402              | 22405              | 22433              |
|                  |                    | S/T                    | 0.49               | 0.58               | 0.66               | 0.66               | 0.75               | 0.52               | 0.61               | 0.70               | 0.70               | 0.79               | 0.55               | 0.65               | 0.74               | 0.74               | 0.84               | 0.59               | 0.69               | 0.78               | 0.78               | 0.89               |
|                  |                    | PI                     | 0.73               | 0.73               | 0.73               | 0.73               | 0.73               | 0.77               | 0.77               | 0.77               | 0.77               | 0.77               | 0.82               | 0.82               | 0.82               | 0.82               | 0.82               | 0.87               | 0.87               | 0.87               | 0.87               | 0.87               |
|                  | 41°F<br>(5.0°C)    | TC                     | 18305              | 18329              | 18349              | 18350              | 18375              | 19408              | 19431              | 19450              | 19454              | 19477              | 20567              | 20594              | 20617              | 20621              | 20644              | 21807              | 21830              | 21854              | 21857              | 21885              |
|                  |                    | S/T                    | 0.49               | 0.58               | 0.66               | 0.66               | 0.75               | 0.52               | 0.61               | 0.70               | 0.70               | 0.80               | 0.56               | 0.65               | 0.74               | 0.74               | 0.84               | 0.59               | 0.69               | 0.78               | 0.78               | 0.89               |
|                  |                    | PI                     | 0.81               | 0.81               | 0.81               | 0.81               | 0.82               | 0.86               | 0.86               | 0.86               | 0.86               | 0.86               | 0.91               | 0.91               | 0.92               | 0.92               | 0.92               | 0.97               | 0.97               | 0.97               | 0.97               | 0.97               |
|                  | 47°F<br>(8.3°C)    | TC                     | 17846              | 17870              | 17889              | 17890              | 17914              | 18921              | 18944              | 18962              | 18966              | 18989              | 20052              | 20078              | 20100              | 20104              | 20126              | 21260              | 21283              | 21306              | 21309              | 21336              |
|                  |                    | S/T                    | 0.50               | 0.58               | 0.66               | 0.66               | 0.75               | 0.53               | 0.62               | 0.70               | 0.70               | 0.80               | 0.56               | 0.65               | 0.74               | 0.74               | 0.85               | 0.59               | 0.69               | 0.79               | 0.79               | 0.90               |
|                  |                    | PI                     | 0.90               | 0.90               | 0.90               | 0.90               | 0.90               | 0.95               | 0.95               | 0.95               | 0.95               | 0.96               | 1.01               | 1.01               | 1.01               | 1.01               | 1.01               | 1.07               | 1.07               | 1.07               | 1.07               | 1.07               |
|                  | 50°F<br>(10.0°C)   | TC                     | 18098              | 18122              | 18141              | 18142              | 18167              | 19188              | 19211              | 19230              | 19234              | 19257              | 20335              | 20361              | 20384              | 20387              | 20410              | 21560              | 21583              | 21607              | 21610              | 21637              |
|                  |                    | S/T                    | 0.50               | 0.58               | 0.66               | 0.66               | 0.76               | 0.53               | 0.62               | 0.70               | 0.70               | 0.80               | 0.56               | 0.66               | 0.75               | 0.75               | 0.85               | 0.59               | 0.70               | 0.79               | 0.79               | 0.90               |
|                  |                    | PI                     | 0.92               | 0.92               | 0.92               | 0.92               | 0.92               | 0.97               | 0.97               | 0.97               | 0.97               | 0.97               | 1.03               | 1.03               | 1.03               | 1.03               | 1.03               | 1.09               | 1.09               | 1.09               | 1.09               | 1.10               |
|                  | 59°F<br>(15.0°C)   | TC                     | 18853              | 18878              | 18899              | 18900              | 18925              | 19989              | 20013              | 20033              | 20037              | 20060              | 21183              | 21211              | 21235              | 21238              | 21262              | 22460              | 22484              | 22509              | 22512              | 22540              |
|                  |                    | S/T                    | 0.50               | 0.59               | 0.67               | 0.67               | 0.76               | 0.53               | 0.62               | 0.71               | 0.71               | 0.81               | 0.56               | 0.66               | 0.75               | 0.75               | 0.86               | 0.60               | 0.70               | 0.80               | 0.80               | 0.91               |
|                  |                    | PI                     | 0.97               | 0.97               | 0.97               | 0.97               | 0.97               | 1.03               | 1.03               | 1.03               | 1.03               | 1.03               | 1.09               | 1.09               | 1.09               | 1.09               | 1.09               | 1.15               | 1.15               | 1.16               | 1.16               | 1.16               |
|                  | 68°F<br>(20.0°C)   | TC                     | 19608              | 19635              | 19656              | 19657              | 19683              | 20790              | 20815              | 20835              | 20839              | 20864              | 22032              | 22061              | 22085              | 22089              | 22114              | 23360              | 23385              | 23410              | 23414              | 23443              |
|                  |                    | S/T                    | 0.51               | 0.60               | 0.69               | 0.69               | 0.78               | 0.54               | 0.64               | 0.73               | 0.73               | 0.83               | 0.58               | 0.68               | 0.77               | 0.77               | 0.88               | 0.61               | 0.72               | 0.82               | 0.82               | 0.93               |
|                  |                    | PI                     | 1.02               | 1.02               | 1.02               | 1.02               | 1.02               | 1.08               | 1.08               | 1.08               | 1.08               | 1.09               | 1.15               | 1.15               | 1.15               | 1.15               | 1.15               | 1.22               | 1.22               | 1.22               | 1.22               | 1.22               |
|                  | 77°F<br>(25.0°C)   | TC                     | 20364              | 20391              | 20413              | 20414              | 20442              | 21591              | 21617              | 21638              | 21642              | 21668              | 22881              | 22911              | 22936              | 22940              | 22966              | 24260              | 24286              | 24312              | 24316              | 24346              |
|                  |                    | S/T                    | 0.52               | 0.61               | 0.69               | 0.69               | 0.79               | 0.55               | 0.65               | 0.74               | 0.74               | 0.84               | 0.59               | 0.69               | 0.78               | 0.78               | 0.89               | 0.62               | 0.73               | 0.83               | 0.83               | 0.94               |
|                  |                    | PI                     | 1.07               | 1.07               | 1.08               | 1.08               | 1.08               | 1.14               | 1.14               | 1.14               | 1.14               | 1.14               | 1.21               | 1.21               | 1.21               | 1.21               | 1.21               | 1.28               | 1.28               | 1.28               | 1.28               | 1.28               |
|                  | 82°F<br>(27.8°C)   | TC                     | 20310              | 20337              | 20359              | 20360              | 20387              | 21534              | 21559              | 21581              | 21585              | 21611              | 22820              | 22850              | 22875              | 22880              | 22905              | 24195              | 24222              | 24248              | 24252              | 24282              |
|                  |                    | S/T                    | 0.53               | 0.62               | 0.70               | 0.70               | 0.80               | 0.56               | 0.66               | 0.75               | 0.75               | 0.85               | 0.59               | 0.70               | 0.79               | 0.79               | 0.90               | 0.63               | 0.74               | 0.84               | 0.84               | 0.95               |
|                  |                    | PI                     | 1.16               | 1.16               | 1.16               | 1.16               | 1.16               | 1.23               | 1.23               | 1.23               | 1.23               | 1.23               | 1.30               | 1.30               | 1.30               | 1.30               | 1.30               | 1.38               | 1.38               | 1.38               | 1.38               | 1.38               |
|                  | 86°F<br>(30.0°C)   | TC                     | 19669              | 19696              | 19717              | 19718              | 19744              | 20854              | 20879              | 20900              | 20904              | 20929              | 22100              | 22129              | 22154              | 22158              | 22183              | 23432              | 23457              | 23483              | 23487              | 23516              |
|                  |                    | S/T                    | 0.53               | 0.63               | 0.71               | 0.71               | 0.81               | 0.57               | 0.66               | 0.75               | 0.75               | 0.86               | 0.60               | 0.70               | 0.80               | 0.80               | 0.91               | 0.64               | 0.75               | 0.85               | 0.85               | 0.97               |
|                  |                    | PI                     | 1.29               | 1.29               | 1.29               | 1.29               | 1.29               | 1.37               | 1.37               |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |

**Table 40 — High Static Slim Duct Heating Performance (18K)**

HEATING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 18 (Sheet 1 of 2)

| AIRFLOW<br>(CFM) | OUTDOOR<br>DB (°F) | TC: Total Heating Capacity (BTU/hr) |                  |                  |                    |                    | PI: Power Input (kW)      |                  |                  |                    |                    |
|------------------|--------------------|-------------------------------------|------------------|------------------|--------------------|--------------------|---------------------------|------------------|------------------|--------------------|--------------------|
|                  |                    | Indoor Conditions (DB °F)           |                  |                  |                    |                    | Indoor Conditions (DB °F) |                  |                  |                    |                    |
|                  |                    | 60.8°F<br>(16.0°C)                  | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) | 60.8°F<br>(16.0°C)        | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) |
| 412              | -22°F (-30.0°C)    | 6646                                | 6513             | 6480             | 6419               | 6361               | 1.83                      | 1.84             | 1.85             | 1.85               | 1.86               |
|                  | -13°F (-25.0°C)    | 7817                                | 7661             | 7622             | 7260               | 7194               | 1.85                      | 1.86             | 1.87             | 1.87               | 1.88               |
|                  | -4°F (-20.0°C)     | 11425                               | 11197            | 11141            | 10611              | 10515              | 2.10                      | 2.12             | 2.12             | 2.13               | 2.14               |
|                  | 0°F (-17.8°C)      | 12548                               | 12297            | 12236            | 11653              | 11549              | 2.19                      | 2.21             | 2.21             | 2.22               | 2.23               |
|                  | 5°F (-15.0°C)      | 13952                               | 13672            | 13604            | 12957              | 12840              | 2.30                      | 2.32             | 2.32             | 2.33               | 2.34               |
|                  | 14°F (-10.0°C)     | 14909                               | 14611            | 14538            | 13846              | 13722              | 2.26                      | 2.28             | 2.28             | 2.29               | 2.30               |
|                  | 17°F (-8.3°C)      | 15229                               | 14924            | 14850            | 14143              | 14016              | 2.25                      | 2.27             | 2.27             | 2.28               | 2.28               |
|                  | 22°F (-5.6°C)      | 14926                               | 14627            | 14554            | 13862              | 13737              | 2.14                      | 2.15             | 2.16             | 2.16               | 2.17               |
|                  | 27°F (-2.8°C)      | 14623                               | 14331            | 14259            | 13581              | 13458              | 2.02                      | 2.04             | 2.05             | 2.05               | 2.06               |
|                  | 32°F (-0.0°C)      | 14320                               | 14034            | 13964            | 13299              | 13180              | 1.91                      | 1.93             | 1.93             | 1.94               | 1.94               |
|                  | 35°F (1.7°C)       | 14139                               | 13856            | 13787            | 13131              | 13012              | 1.85                      | 1.86             | 1.86             | 1.87               | 1.88               |
|                  | 37°F (2.8°C)       | 14639                               | 14346            | 14274            | 13595              | 13473              | 1.82                      | 1.83             | 1.84             | 1.84               | 1.85               |
|                  | 42°F (5.6°C)       | 15889                               | 15571            | 15493            | 14756              | 14623              | 1.75                      | 1.76             | 1.77             | 1.77               | 1.78               |
|                  | 44.6°F (7.0°C)     | 16389                               | 16061            | 15981            | 15221              | 15084              | 1.72                      | 1.74             | 1.74             | 1.74               | 1.75               |
|                  | 47°F (8.3°C)       | 17139                               | 16797            | 16713            | 15917              | 15774              | 1.68                      | 1.69             | 1.70             | 1.70               | 1.71               |
|                  | 52°F (11.1°C)      | 16307                               | 15980            | 15901            | 15144              | 15008              | 1.47                      | 1.49             | 1.49             | 1.49               | 1.50               |
|                  | 57°F (13.9°C)      | 15474                               | 15164            | 15089            | 14371              | 14241              | 1.27                      | 1.28             | 1.28             | 1.28               | 1.29               |
|                  | 59°F (15.0°C)      | 15141                               | 14838            | 14764            | 14061              | 13935              | 1.18                      | 1.19             | 1.20             | 1.20               | 1.20               |
|                  | 62°F (16.7°C)      | 14641                               | 14348            | 14277            | 13597              | 13475              | 1.06                      | 1.07             | 1.07             | 1.07               | 1.08               |
|                  | 64.4°F (18.0°C)    | 14308                               | 14022            | 13952            | 13288              | 13168              | 0.98                      | 0.99             | 0.99             | 0.99               | 0.99               |
| 529              | -22°F (-30.0°C)    | 7517                                | 7367             | 7330             | 7280               | 7215               | 1.85                      | 1.86             | 1.86             | 1.87               | 1.88               |
|                  | -13°F (-25.0°C)    | 8670                                | 8497             | 8454             | 8234               | 8160               | 1.87                      | 1.88             | 1.88             | 1.89               | 1.90               |
|                  | -4°F (-20.0°C)     | 12672                               | 12419            | 12357            | 12035              | 11927              | 2.12                      | 2.14             | 2.15             | 2.15               | 2.16               |
|                  | 0°F (-17.8°C)      | 13917                               | 13639            | 13571            | 13217              | 13099              | 2.21                      | 2.23             | 2.24             | 2.24               | 2.25               |
|                  | 5°F (-15.0°C)      | 15474                               | 15164            | 15089            | 14696              | 14564              | 2.32                      | 2.34             | 2.35             | 2.35               | 2.36               |
|                  | 14°F (-10.0°C)     | 16536                               | 16206            | 16125            | 15705              | 15563              | 2.28                      | 2.30             | 2.31             | 2.31               | 2.32               |
|                  | 17°F (-8.3°C)      | 16890                               | 16553            | 16470            | 16041              | 15897              | 2.27                      | 2.29             | 2.29             | 2.30               | 2.31               |
|                  | 22°F (-5.6°C)      | 16555                               | 16224            | 16142            | 15722              | 15581              | 2.16                      | 2.18             | 2.18             | 2.18               | 2.19               |
|                  | 27°F (-2.8°C)      | 16219                               | 15894            | 15815            | 15403              | 15265              | 2.05                      | 2.06             | 2.07             | 2.07               | 2.08               |
|                  | 32°F (-0.0°C)      | 15883                               | 15565            | 15488            | 15084              | 14949              | 1.93                      | 1.95             | 1.95             | 1.96               | 1.96               |
|                  | 35°F (1.7°C)       | 15682                               | 15368            | 15291            | 14893              | 14759              | 1.86                      | 1.88             | 1.88             | 1.89               | 1.89               |
|                  | 37°F (2.8°C)       | 16236                               | 15912            | 15832            | 15420              | 15281              | 1.84                      | 1.85             | 1.86             | 1.86               | 1.87               |
|                  | 42°F (5.6°C)       | 17623                               | 17270            | 17184            | 16737              | 16586              | 1.77                      | 1.78             | 1.79             | 1.79               | 1.80               |
|                  | 44.6°F (7.0°C)     | 18178                               | 17814            | 17725            | 17263              | 17108              | 1.74                      | 1.75             | 1.76             | 1.76               | 1.77               |
|                  | 47°F (8.3°C)       | 19010                               | 18629            | 18536            | 18054              | 17891              | 1.70                      | 1.71             | 1.72             | 1.72               | 1.73               |
|                  | 52°F (11.1°C)      | 18086                               | 17724            | 17636            | 17176              | 17022              | 1.49                      | 1.50             | 1.50             | 1.51               | 1.51               |
|                  | 57°F (13.9°C)      | 17162                               | 16819            | 16735            | 16299              | 16153              | 1.28                      | 1.29             | 1.29             | 1.30               | 1.30               |
|                  | 59°F (15.0°C)      | 16793                               | 16457            | 16375            | 15948              | 15805              | 1.20                      | 1.21             | 1.21             | 1.21               | 1.22               |
|                  | 62°F (16.7°C)      | 16239                               | 15914            | 15834            | 15422              | 15283              | 1.07                      | 1.08             | 1.08             | 1.08               | 1.09               |
|                  | 64.4°F (18.0°C)    | 15869                               | 15552            | 15474            | 15071              | 14936              | 0.99                      | 1.00             | 1.00             | 1.00               | 1.00               |
| 618              | -22°F (-30.0°C)    | 8502                                | 8332             | 8291             | 8257               | 8183               | 1.86                      | 1.88             | 1.88             | 1.89               | 1.89               |
|                  | -13°F (-25.0°C)    | 9616                                | 9424             | 9377             | 9339               | 9255               | 1.88                      | 1.90             | 1.90             | 1.91               | 1.92               |
|                  | -4°F (-20.0°C)     | 14055                               | 13774            | 13705            | 13650              | 13527              | 2.15                      | 2.16             | 2.17             | 2.17               | 2.18               |
|                  | 0°F (-17.8°C)      | 15436                               | 15127            | 15052            | 14991              | 14857              | 2.24                      | 2.25             | 2.26             | 2.26               | 2.27               |
|                  | 5°F (-15.0°C)      | 17162                               | 16819            | 16735            | 16668              | 16518              | 2.35                      | 2.36             | 2.37             | 2.37               | 2.38               |
|                  | 14°F (-10.0°C)     | 18341                               | 17974            | 17884            | 17813              | 17652              | 2.31                      | 2.33             | 2.33             | 2.33               | 2.34               |
|                  | 17°F (-8.3°C)      | 18734                               | 18359            | 18267            | 18194              | 18030              | 2.29                      | 2.31             | 2.32             | 2.32               | 2.33               |
|                  | 22°F (-5.6°C)      | 18361                               | 17994            | 17904            | 17832              | 17672              | 2.18                      | 2.20             | 2.20             | 2.21               | 2.21               |
|                  | 27°F (-2.8°C)      | 17989                               | 17629            | 17541            | 17471              | 17313              | 2.07                      | 2.08             | 2.09             | 2.09               | 2.10               |
|                  | 32°F (-0.0°C)      | 17616                               | 17264            | 17178            | 17109              | 16955              | 1.95                      | 1.97             | 1.97             | 1.98               | 1.98               |
|                  | 35°F (1.7°C)       | 17393                               | 17045            | 16960            | 16892              | 16740              | 1.88                      | 1.90             | 1.90             | 1.91               | 1.91               |
|                  | 37°F (2.8°C)       | 18008                               | 17648            | 17560            | 17489              | 17332              | 1.86                      | 1.87             | 1.87             | 1.88               | 1.89               |
|                  | 42°F (5.6°C)       | 19546                               | 19155            | 19059            | 18983              | 18812              | 1.79                      | 1.80             | 1.80             | 1.81               | 1.81               |
|                  | 44.6°F (7.0°C)     | 20161                               | 19758            | 19659            | 19581              | 19404              | 1.76                      | 1.77             | 1.78             | 1.78               | 1.79               |
|                  | 47°F (8.3°C)       | 21084                               | 20662            | 20559            | 20477              | 20292              | 1.72                      | 1.73             | 1.73             | 1.74               | 1.74               |
|                  | 52°F (11.1°C)      | 20060                               | 19658            | 19560            | 19482              | 19307              | 1.50                      | 1.52             | 1.52             | 1.52               | 1.53               |
|                  | 57°F (13.9°C)      | 19035                               | 18654            | 18561            | 18487              | 18321              | 1.29                      | 1.30             | 1.31             | 1.31               | 1.31               |
|                  | 59°F (15.0°C)      | 18625                               | 18253            | 18162            | 18089              | 17926              | 1.21                      | 1.22             | 1.22             | 1.22               | 1.23               |
|                  | 62°F (16.7°C)      | 18011                               | 17651            | 17562            | 17492              | 17335              | 1.08                      | 1.09             | 1.09             | 1.10               | 1.10               |
|                  | 64.4°F (18.0°C)    | 17601                               | 17249            | 17163            | 17094              | 16940              | 1.00                      | 1.01             | 1.01             | 1.01               | 1.01               |

## HEATING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 18 (Sheet 2 of 2)

| AIRFLOW<br>(CFM) | OUTDOOR<br>DB (°F) | TC: Total Heating Capacity (BTU/hr) |                  |                  |                    |                    | PI: Power Input (kW)      |                  |                  |                    |                    |
|------------------|--------------------|-------------------------------------|------------------|------------------|--------------------|--------------------|---------------------------|------------------|------------------|--------------------|--------------------|
|                  |                    | Indoor Conditions (DB °F)           |                  |                  |                    |                    | Indoor Conditions (DB °F) |                  |                  |                    |                    |
|                  |                    | 60.8°F<br>(16.0°C)                  | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) | 60.8°F<br>(16.0°C)        | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) |
| 706              | -22°F (-30.0°C)    | 9430                                | 9242             | 9195             | 9159               | 9076               | 1.88                      | 1.90             | 1.90             | 1.91               | 1.91               |
|                  | -13°F (-25.0°C)    | 10665                               | 10452            | 10400            | 10358              | 10265              | 1.90                      | 1.92             | 1.92             | 1.93               | 1.93               |
|                  | -4°F (-20.0°C)     | 15589                               | 15277            | 15200            | 15140              | 15003              | 2.17                      | 2.19             | 2.19             | 2.19               | 2.20               |
|                  | 0°F (-17.8°C)      | 17120                               | 16778            | 16694            | 16627              | 16478              | 2.26                      | 2.28             | 2.28             | 2.28               | 2.29               |
|                  | 5°F (-15.0°C)      | 19035                               | 18655            | 18561            | 18487              | 18321              | 2.37                      | 2.39             | 2.39             | 2.40               | 2.41               |
|                  | 14°F (-10.0°C)     | 20342                               | 19935            | 19836            | 19756              | 19579              | 2.33                      | 2.35             | 2.35             | 2.36               | 2.37               |
|                  | 17°F (-8.3°C)      | 20778                               | 20362            | 20260            | 20179              | 19998              | 2.32                      | 2.34             | 2.34             | 2.34               | 2.35               |
|                  | 22°F (-5.6°C)      | 20365                               | 19957            | 19858            | 19778              | 19600              | 2.20                      | 2.22             | 2.22             | 2.23               | 2.24               |
|                  | 27°F (-2.8°C)      | 19952                               | 19553            | 19455            | 19377              | 19203              | 2.09                      | 2.10             | 2.11             | 2.11               | 2.12               |
|                  | 32°F (0.0°C)       | 19539                               | 19148            | 19052            | 18976              | 18805              | 1.97                      | 1.99             | 1.99             | 2.00               | 2.00               |
|                  | 35°F (1.7°C)       | 19291                               | 18905            | 18810            | 18735              | 18566              | 1.90                      | 1.92             | 1.92             | 1.93               | 1.93               |
|                  | 37°F (2.8°C)       | 19973                               | 19574            | 19476            | 19398              | 19223              | 1.87                      | 1.89             | 1.89             | 1.90               | 1.90               |
|                  | 42°F (5.6°C)       | 21679                               | 21245            | 21139            | 21054              | 20865              | 1.80                      | 1.82             | 1.82             | 1.83               | 1.83               |
|                  | 44.6°F (7.0°C)     | 22361                               | 21914            | 21804            | 21717              | 21522              | 1.78                      | 1.79             | 1.79             | 1.80               | 1.80               |
|                  | 47°F (8.3°C)       | 23385                               | 22917            | 22802            | 22711              | 22507              | 1.73                      | 1.75             | 1.75             | 1.75               | 1.76               |
|                  | 52°F (11.1°C)      | 22248                               | 21804            | 21694            | 21608              | 21413              | 1.52                      | 1.53             | 1.53             | 1.54               | 1.54               |
|                  | 57°F (13.9°C)      | 21112                               | 20690            | 20587            | 20504              | 20320              | 1.31                      | 1.32             | 1.32             | 1.32               | 1.33               |
|                  | 59°F (15.0°C)      | 20658                               | 20245            | 20143            | 20063              | 19882              | 1.22                      | 1.23             | 1.23             | 1.24               | 1.24               |
|                  | 62°F (16.7°C)      | 19976                               | 19577            | 19479            | 19401              | 19226              | 1.09                      | 1.10             | 1.10             | 1.11               | 1.11               |
|                  | 64.4°F (18.0°C)    | 19522                               | 19131            | 19036            | 18959              | 18789              | 1.01                      | 1.02             | 1.02             | 1.02               | 1.02               |

**NOTE:** Values in grey are extrapolated based on tested performance.

**Table 41 — High Static Slim Duct Cooling Performance (24K)**

COOLING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 24 (Sheet 1 of 4)

| AIRFLOW<br>(CFM) | OUTDOOR<br>DB(°F)  | ID<br>WB(°F)<br>DB(°F) | 60.8°F(16.0°C)     |                    |                    |                    |                    | 64.4°F(18.0°C)     |                    |                    |                    |                    | 67°F(19.4°C)       |                    |                    |                    |                    | 71.6°F(22.0°C)     |                    |                    |                    |                    |
|------------------|--------------------|------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                  |                    |                        | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) |
|                  |                    |                        |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |
| 500              | -22°F<br>(-30.0°C) | TC                     | 14326              | 14345              | 14361              | 14361              | 14381              | 15189              | 15207              | 15222              | 15225              | 15244              | 16097              | 16118              | 16136              | 16139              | 16157              | 17067              | 17085              | 17104              | 17107              | 17128              |
|                  |                    | S/T                    | 0.33               | 0.39               | 0.44               | 0.44               | 0.51               | 0.35               | 0.41               | 0.47               | 0.47               | 0.54               | 0.37               | 0.44               | 0.50               | 0.50               | 0.57               | 0.40               | 0.47               | 0.53               | 0.53               | 0.60               |
|                  |                    | PI                     | 0.67               | 0.68               | 0.68               | 0.68               | 0.68               | 0.72               | 0.72               | 0.72               | 0.72               | 0.72               | 0.76               | 0.76               | 0.76               | 0.76               | 0.76               | 0.80               | 0.80               | 0.81               | 0.81               | 0.81               |
|                  | -13°F<br>(-25.0°C) | TC                     | 15520              | 15541              | 15558              | 15558              | 15579              | 16455              | 16475              | 16491              | 16494              | 16514              | 17438              | 17461              | 17480              | 17484              | 17503              | 18489              | 18509              | 18529              | 18532              | 18555              |
|                  |                    | S/T                    | 0.34               | 0.39               | 0.45               | 0.45               | 0.51               | 0.36               | 0.42               | 0.47               | 0.47               | 0.54               | 0.38               | 0.44               | 0.50               | 0.50               | 0.57               | 0.40               | 0.47               | 0.53               | 0.53               | 0.61               |
|                  |                    | PI                     | 0.73               | 0.73               | 0.73               | 0.73               | 0.73               | 0.78               | 0.78               | 0.78               | 0.78               | 0.78               | 0.82               | 0.82               | 0.82               | 0.82               | 0.82               | 0.87               | 0.87               | 0.87               | 0.87               | 0.87               |
|                  | -4°F<br>(-20.0°C)  | TC                     | 16714              | 16736              | 16754              | 16755              | 16778              | 17721              | 17742              | 17760              | 17763              | 17784              | 18780              | 18804              | 18825              | 18829              | 18850              | 19911              | 19933              | 19955              | 19958              | 19983              |
|                  |                    | S/T                    | 0.34               | 0.40               | 0.45               | 0.45               | 0.51               | 0.36               | 0.42               | 0.48               | 0.48               | 0.54               | 0.38               | 0.44               | 0.50               | 0.50               | 0.58               | 0.40               | 0.47               | 0.54               | 0.54               | 0.61               |
|                  |                    | PI                     | 0.79               | 0.79               | 0.79               | 0.79               | 0.79               | 0.83               | 0.84               | 0.84               | 0.84               | 0.84               | 0.88               | 0.89               | 0.89               | 0.89               | 0.89               | 0.94               | 0.94               | 0.94               | 0.94               | 0.94               |
|                  | 0°F<br>(-17.8°C)   | TC                     | 17244              | 17268              | 17286              | 17287              | 17310              | 18284              | 18305              | 18323              | 18327              | 18349              | 19376              | 19401              | 19423              | 19426              | 19448              | 20543              | 20566              | 20588              | 20591              | 20617              |
|                  |                    | S/T                    | 0.34               | 0.40               | 0.45               | 0.45               | 0.51               | 0.36               | 0.42               | 0.48               | 0.48               | 0.54               | 0.38               | 0.45               | 0.51               | 0.51               | 0.58               | 0.40               | 0.47               | 0.54               | 0.54               | 0.61               |
|                  |                    | PI                     | 0.81               | 0.81               | 0.81               | 0.81               | 0.82               | 0.86               | 0.86               | 0.86               | 0.86               | 0.86               | 0.91               | 0.91               | 0.91               | 0.92               | 0.92               | 0.97               | 0.97               | 0.97               | 0.97               | 0.97               |
|                  | 5°F<br>(-15.0°C)   | TC                     | 17908              | 17932              | 17951              | 17952              | 17976              | 18987              | 19009              | 19028              | 19032              | 19054              | 20121              | 20147              | 20170              | 20174              | 20196              | 21334              | 21357              | 21380              | 21383              | 21410              |
|                  |                    | S/T                    | 0.34               | 0.40               | 0.45               | 0.45               | 0.52               | 0.36               | 0.42               | 0.48               | 0.48               | 0.55               | 0.38               | 0.45               | 0.51               | 0.51               | 0.58               | 0.40               | 0.47               | 0.54               | 0.54               | 0.61               |
|                  |                    | PI                     | 0.84               | 0.84               | 0.85               | 0.85               | 0.85               | 0.89               | 0.90               | 0.90               | 0.90               | 0.90               | 0.95               | 0.95               | 0.95               | 0.95               | 0.95               | 1.01               | 1.01               | 1.01               | 1.01               | 1.01               |
|                  | 14°F<br>(-10.0°C)  | TC                     | 17914              | 17938              | 17957              | 17958              | 17982              | 18994              | 19016              | 19035              | 19039              | 19061              | 20128              | 20154              | 20177              | 20181              | 20203              | 21341              | 21364              | 21388              | 21391              | 21417              |
|                  |                    | S/T                    | 0.34               | 0.40               | 0.45               | 0.45               | 0.52               | 0.36               | 0.42               | 0.48               | 0.48               | 0.55               | 0.38               | 0.45               | 0.51               | 0.51               | 0.58               | 0.41               | 0.48               | 0.54               | 0.54               | 0.62               |
|                  |                    | PI                     | 0.77               | 0.77               | 0.77               | 0.77               | 0.77               | 0.82               | 0.82               | 0.82               | 0.82               | 0.82               | 0.87               | 0.87               | 0.87               | 0.87               | 0.87               | 0.92               | 0.92               | 0.92               | 0.92               | 0.92               |
|                  | 17°F<br>(-8.3°C)   | TC                     | 17916              | 17940              | 17960              | 17960              | 17985              | 18996              | 19018              | 19037              | 19041              | 19063              | 20131              | 20157              | 20179              | 20183              | 20206              | 21344              | 21367              | 21390              | 21393              | 21420              |
|                  |                    | S/T                    | 0.34               | 0.40               | 0.46               | 0.46               | 0.52               | 0.36               | 0.42               | 0.48               | 0.48               | 0.55               | 0.38               | 0.45               | 0.51               | 0.51               | 0.58               | 0.41               | 0.48               | 0.54               | 0.54               | 0.62               |
|                  |                    | PI                     | 0.75               | 0.75               | 0.75               | 0.75               | 0.75               | 0.79               | 0.79               | 0.79               | 0.79               | 0.80               | 0.84               | 0.84               | 0.84               | 0.84               | 0.84               | 0.89               | 0.89               | 0.89               | 0.89               | 0.89               |
|                  | 23°F<br>(-5.0°C)   | TC                     | 17915              | 17939              | 17959              | 17960              | 17984              | 18995              | 19018              | 19036              | 19040              | 19063              | 20130              | 20156              | 20178              | 20182              | 20205              | 21343              | 21366              | 21389              | 21393              | 21419              |
|                  |                    | S/T                    | 0.34               | 0.40               | 0.46               | 0.46               | 0.52               | 0.36               | 0.43               | 0.48               | 0.48               | 0.55               | 0.39               | 0.45               | 0.51               | 0.51               | 0.59               | 0.41               | 0.48               | 0.54               | 0.54               | 0.62               |
|                  |                    | PI                     | 0.71               | 0.71               | 0.71               | 0.71               | 0.72               | 0.76               | 0.76               | 0.76               | 0.76               | 0.76               | 0.80               | 0.80               | 0.80               | 0.80               | 0.80               | 0.85               | 0.85               | 0.85               | 0.85               | 0.85               |
|                  | 35°F<br>(1.7°C)    | TC                     | 17914              | 17938              | 17957              | 17958              | 17982              | 18994              | 19016              | 19035              | 19039              | 19061              | 20128              | 20154              | 20177              | 20181              | 20203              | 21341              | 21364              | 21388              | 21391              | 21417              |
|                  |                    | S/T                    | 0.34               | 0.40               | 0.46               | 0.46               | 0.52               | 0.37               | 0.43               | 0.49               | 0.49               | 0.56               | 0.39               | 0.45               | 0.52               | 0.52               | 0.59               | 0.41               | 0.48               | 0.55               | 0.55               | 0.62               |
|                  |                    | PI                     | 0.64               | 0.64               | 0.64               | 0.64               | 0.64               | 0.68               | 0.68               | 0.68               | 0.68               | 0.68               | 0.72               | 0.72               | 0.72               | 0.72               | 0.72               | 0.76               | 0.76               | 0.77               | 0.77               | 0.77               |
|                  | 41°F<br>(5.0°C)    | TC                     | 18941              | 18967              | 18987              | 18988              | 19013              | 20083              | 20106              | 20126              | 20130              | 20154              | 21282              | 21310              | 21334              | 21338              | 21362              | 22565              | 22589              | 22614              | 22617              | 22645              |
|                  |                    | S/T                    | 0.35               | 0.41               | 0.46               | 0.46               | 0.53               | 0.37               | 0.43               | 0.49               | 0.49               | 0.56               | 0.39               | 0.46               | 0.52               | 0.52               | 0.59               | 0.41               | 0.48               | 0.55               | 0.55               | 0.63               |
|                  |                    | PI                     | 0.84               | 0.84               | 0.84               | 0.84               | 0.84               | 0.89               | 0.89               | 0.89               | 0.89               | 0.89               | 0.94               | 0.94               | 0.94               | 0.94               | 0.94               | 1.00               | 1.00               | 1.00               | 1.00               | 1.00               |
|                  | 47°F<br>(8.3°C)    | TC                     | 19968              | 19995              | 20017              | 20017              | 20044              | 21172              | 21197              | 21218              | 21222              | 21247              | 22436              | 22466              | 22491              | 22495              | 22520              | 23788              | 23814              | 23840              | 23844              | 23873              |
|                  |                    | S/T                    | 0.35               | 0.41               | 0.46               | 0.46               | 0.53               | 0.37               | 0.43               | 0.49               | 0.49               | 0.56               | 0.39               | 0.46               | 0.52               | 0.52               | 0.59               | 0.41               | 0.48               | 0.55               | 0.55               | 0.63               |
|                  |                    | PI                     | 1.03               | 1.03               | 1.03               | 1.03               | 1.04               | 1.09               | 1.10               | 1.10               | 1.10               | 1.10               | 1.16               | 1.16               | 1.16               | 1.16               | 1.16               | 1.23               | 1.23               | 1.23               | 1.23               | 1.23               |
|                  | 50°F<br>(10.0°C)   | TC                     | 19966              | 19993              | 20015              | 20016              | 20043              | 21170              | 21195              | 21216              | 21220              | 21245              | 22434              | 22463              | 22488              | 22493              | 22518              | 23786              | 23812              | 23838              | 23841              | 23871              |
|                  |                    | S/T                    | 0.35               | 0.41               | 0.46               | 0.46               | 0.53               | 0.37               | 0.43               | 0.49               | 0.49               | 0.56               | 0.39               | 0.46               | 0.52               | 0.52               | 0.59               | 0.41               | 0.49               | 0.55               | 0.55               | 0.63               |
|                  |                    | PI                     | 1.05               | 1.06               | 1.06               | 1.06               | 1.06               | 1.12               | 1.12               | 1.12               | 1.12               | 1.12               | 1.18               | 1.19               | 1.19               | 1.19               | 1.19               | 1.26               | 1.26               | 1.26               | 1.26               | 1.26               |
|                  | 59°F<br>(15.0°C)   | TC                     | 19960              | 19987              | 20009              | 20010              | 20037              | 21163              | 21188              | 21209              | 21214              | 21239              | 22428              | 22457              | 22482              | 22486              | 22511              | 23779              | 23805              | 23831              | 23835              | 23864              |
|                  |                    | S/T                    | 0.35               | 0.41               | 0.47               | 0.47               | 0.53               | 0.37               | 0.44               | 0.49               | 0.49               | 0.56               | 0.39               | 0.46               | 0.52               | 0.52               | 0.60               | 0.42               | 0.49               | 0.56               | 0.56               | 0.63               |
|                  |                    | PI                     | 1.12               | 1.12               | 1.12               | 1.12               | 1.12               | 1.19               | 1.19               | 1.19               | 1.19               | 1.19               | 1.26               | 1.26               | 1.26               | 1.26               | 1.26               | 1.33               | 1.34               | 1.34               | 1.34               | 1.34               |
|                  | 68°F<br>(20.0°C)   | TC                     | 19955              | 19982              | 20003              | 20004              | 20031              | 21157              | 21182              | 21203              | 21207              | 21233              | 22421              | 22450              | 22475              | 22480              | 22505              | 23772              | 23798              | 23824              | 23828              | 23857              |
|                  |                    | S/T                    | 0.36               | 0.42               | 0.48               | 0.48               | 0.55               | 0.38               | 0.45               | 0.51               | 0.51               | 0.58               | 0.40               | 0.47               | 0.54               | 0.54               | 0.61               | 0.43               | 0.50               | 0.57               | 0.57               | 0.65               |
|                  |                    | PI                     | 1.19               | 1.19               | 1.19               | 1.19               | 1.19               | 1.26               | 1.26               | 1.26               | 1.26               | 1.26               | 1.33               | 1.33               | 1.34               | 1.34               | 1.34               | 1.41               | 1.41               | 1.42               | 1.42               | 1.42               |
|                  | 77°F<br>(25.0°C)   | TC                     | 19949              | 19976              | 19997              | 19998              | 20025              | 21151              | 21176              | 21197              | 21201              | 21226              | 22415              | 22444              | 22469              | 22473              | 22498              | 23765              | 23791              | 23817              | 23821              | 23850              |
|                  |                    | S/T                    | 0.36               | 0.43               | 0.49               | 0.49               | 0.55               | 0.39               | 0.45               | 0.51               | 0.51               | 0.59               | 0.41               | 0.48               | 0.55               | 0.55               | 0.62               | 0.43               | 0.51               | 0.58               | 0.58               | 0.66               |
|                  |                    | PI                     | 1.25               | 1.25               | 1.25               | 1.25               | 1.26               | 1.33               | 1.33               | 1.33               | 1.33               | 1.33               | 1.41               | 1.41               | 1.41               | 1.41               | 1.41               | 1.49               | 1.49               | 1.49               | 1.49               | 1.50               |
|                  | 82°F<br>(27.8°C)   | TC                     | 19600              | 19627              | 19648              | 19649              | 19675              | 20782              | 20806              | 20827              | 20831              | 20856              | 22023              | 22052              | 22076              | 22081              | 22105              | 23350              | 23376              | 23401              | 23405              | 23434              |
|                  |                    | S/T                    | 0.37               | 0.43               | 0.49               | 0.49               | 0.56               | 0.39               | 0.46               | 0.52               | 0.52               | 0.59               | 0.41               | 0.49               | 0.55               | 0.55               | 0.63               | 0.44               | 0.52               | 0.59               | 0.59               | 0.67               |
|                  |                    | PI                     | 1.30               | 1.31               | 1.31               | 1.31               | 1.31               | 1.38               | 1.38               | 1.38               | 1.39               | 1.39               | 1.46               | 1.47               | 1.47               | 1.47               | 1.47               | 1.55               | 1.55               | 1.56               | 1.56               | 1.56               |
|                  | 86°F<br>(30.0°C)   | TC                     | 18886              | 18911              | 18932              | 18933              | 18958              | 20024              | 20048              | 20068              | 20072              | 20096              | 21221              | 21248              | 21272              | 21276              | 21300              | 22499              | 22524              | 22548              | 22552              | 22580              |
|                  |                    | S/T                    | 0.37               | 0.44               | 0.50               | 0.50               | 0.57               | 0.40               | 0.46               | 0.53               | 0.53               | 0.60               | 0.42               | 0.49               | 0.56               | 0.56               | 0.64               | 0.44               | 0.52               | 0.59               | 0.59               | 0.68               |
|                  |                    | PI                     | 1.36               | 1.36               | 1.37               | 1.37               | 1.37               | 1.45               | 1.45               | 1.45               | 1.45               | 1.45               | 1.53               | 1.53               |                    |                    |                    |                    |                    |                    |                    |                    |

COOLING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 24 (Sheet 2 of 4)

| AIRFLOW<br>(CFM) | OUTDOOR<br>DB(°F)  | ID<br>WB(°F)<br>DB(°F) | 60.8°F(16.0°C)     |                    |                    |                    |                    | 64.4°F(18.0°C)     |                    |                    |                    |                    | 67°F(19.4°C)       |                    |                    |                    |                    | 71.6°F(22.0°C)     |                    |                    |                    |                    |
|------------------|--------------------|------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                  |                    |                        | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) |
|                  |                    |                        |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |
| 618              | -22°F<br>(-30.0°C) | TC                     | 16142              | 16164              | 16181              | 16182              | 16203              | 17115              | 17135              | 17152              | 17155              | 17176              | 18137              | 18161              | 18181              | 18184              | 18205              | 19230              | 19251              | 19272              | 19275              | 19299              |
|                  |                    | S/T                    | 0.37               | 0.44               | 0.50               | 0.50               | 0.57               | 0.40               | 0.47               | 0.53               | 0.53               | 0.60               | 0.42               | 0.49               | 0.56               | 0.56               | 0.64               | 0.45               | 0.52               | 0.60               | 0.60               | 0.68               |
|                  |                    | PI                     | 0.76               | 0.76               | 0.76               | 0.76               | 0.76               | 0.81               | 0.81               | 0.81               | 0.81               | 0.81               | 0.85               | 0.86               | 0.86               | 0.86               | 0.86               | 0.91               | 0.91               | 0.91               | 0.91               | 0.91               |
|                  | -13°F<br>(-25.0°C) | TC                     | 17487              | 17510              | 17529              | 17530              | 17554              | 18541              | 18563              | 18581              | 18585              | 18607              | 19649              | 19674              | 19696              | 19700              | 19722              | 20832              | 20855              | 20878              | 20881              | 20907              |
|                  |                    | S/T                    | 0.38               | 0.44               | 0.50               | 0.50               | 0.57               | 0.40               | 0.47               | 0.53               | 0.53               | 0.61               | 0.42               | 0.50               | 0.57               | 0.57               | 0.64               | 0.45               | 0.53               | 0.60               | 0.60               | 0.68               |
|                  |                    | PI                     | 0.82               | 0.82               | 0.83               | 0.83               | 0.83               | 0.87               | 0.87               | 0.88               | 0.88               | 0.88               | 0.93               | 0.93               | 0.93               | 0.93               | 0.93               | 0.98               | 0.98               | 0.98               | 0.98               | 0.98               |
|                  | -4°F<br>(-20.0°C)  | TC                     | 18832              | 18857              | 18878              | 18879              | 18904              | 19967              | 19991              | 20010              | 20014              | 20038              | 21160              | 21187              | 21211              | 21215              | 21239              | 22435              | 22459              | 22484              | 22487              | 22515              |
|                  |                    | S/T                    | 0.38               | 0.45               | 0.51               | 0.51               | 0.58               | 0.40               | 0.47               | 0.54               | 0.54               | 0.61               | 0.43               | 0.50               | 0.57               | 0.57               | 0.65               | 0.45               | 0.53               | 0.60               | 0.60               | 0.69               |
|                  |                    | PI                     | 0.89               | 0.89               | 0.89               | 0.89               | 0.89               | 0.94               | 0.94               | 0.94               | 0.94               | 0.94               | 1.00               | 1.00               | 1.00               | 1.00               | 1.00               | 1.06               | 1.06               | 1.06               | 1.06               | 1.06               |
|                  | 0°F<br>(-17.8°C)   | TC                     | 19430              | 19456              | 19477              | 19478              | 19504              | 20601              | 20625              | 20646              | 20650              | 20674              | 21832              | 21860              | 21884              | 21888              | 21913              | 23147              | 23172              | 23197              | 23201              | 23230              |
|                  |                    | S/T                    | 0.38               | 0.45               | 0.51               | 0.51               | 0.58               | 0.40               | 0.47               | 0.54               | 0.54               | 0.61               | 0.43               | 0.50               | 0.57               | 0.57               | 0.65               | 0.45               | 0.53               | 0.60               | 0.60               | 0.69               |
|                  |                    | PI                     | 0.92               | 0.92               | 0.92               | 0.92               | 0.92               | 0.97               | 0.97               | 0.97               | 0.97               | 0.97               | 1.03               | 1.03               | 1.03               | 1.03               | 1.03               | 1.09               | 1.09               | 1.09               | 1.09               | 1.09               |
|                  | 5°F<br>(-15.0°C)   | TC                     | 20177              | 20204              | 20226              | 20227              | 20254              | 21393              | 21419              | 21440              | 21444              | 21469              | 22671              | 22701              | 22726              | 22730              | 22756              | 24037              | 24063              | 24090              | 24093              | 24123              |
|                  |                    | S/T                    | 0.38               | 0.45               | 0.51               | 0.51               | 0.58               | 0.41               | 0.48               | 0.54               | 0.54               | 0.62               | 0.43               | 0.50               | 0.57               | 0.57               | 0.65               | 0.46               | 0.53               | 0.61               | 0.61               | 0.69               |
|                  |                    | PI                     | 0.95               | 0.95               | 0.95               | 0.95               | 0.95               | 1.01               | 1.01               | 1.01               | 1.01               | 1.01               | 1.07               | 1.07               | 1.07               | 1.07               | 1.07               | 1.13               | 1.13               | 1.13               | 1.14               | 1.14               |
|                  | 14°F<br>(-10.0°C)  | TC                     | 20184              | 20212              | 20233              | 20234              | 20262              | 21401              | 21426              | 21447              | 21452              | 21477              | 22679              | 22709              | 22734              | 22738              | 22764              | 24046              | 24072              | 24098              | 24102              | 24132              |
|                  |                    | S/T                    | 0.38               | 0.45               | 0.51               | 0.51               | 0.58               | 0.41               | 0.48               | 0.54               | 0.54               | 0.62               | 0.43               | 0.51               | 0.57               | 0.57               | 0.65               | 0.46               | 0.54               | 0.61               | 0.61               | 0.69               |
|                  |                    | PI                     | 0.87               | 0.87               | 0.87               | 0.87               | 0.87               | 0.92               | 0.92               | 0.92               | 0.92               | 0.93               | 0.98               | 0.98               | 0.98               | 0.98               | 0.98               | 1.04               | 1.04               | 1.04               | 1.04               | 1.04               |
|                  | 17°F<br>(-8.3°C)   | TC                     | 20187              | 20214              | 20236              | 20237              | 20264              | 21403              | 21429              | 21450              | 21454              | 21480              | 22682              | 22712              | 22737              | 22741              | 22766              | 24049              | 24075              | 24101              | 24105              | 24135              |
|                  |                    | S/T                    | 0.38               | 0.45               | 0.51               | 0.51               | 0.58               | 0.41               | 0.48               | 0.54               | 0.54               | 0.62               | 0.43               | 0.51               | 0.58               | 0.58               | 0.66               | 0.46               | 0.54               | 0.61               | 0.61               | 0.70               |
|                  |                    | PI                     | 0.84               | 0.84               | 0.84               | 0.84               | 0.85               | 0.89               | 0.89               | 0.90               | 0.90               | 0.90               | 0.95               | 0.95               | 0.95               | 0.95               | 0.95               | 1.00               | 1.01               | 1.01               | 1.01               | 1.01               |
|                  | 23°F<br>(-5.0°C)   | TC                     | 20186              | 20213              | 20235              | 20236              | 20263              | 21403              | 21428              | 21449              | 21453              | 21479              | 22681              | 22711              | 22736              | 22740              | 22766              | 24048              | 24074              | 24100              | 24104              | 24134              |
|                  |                    | S/T                    | 0.39               | 0.45               | 0.52               | 0.52               | 0.59               | 0.41               | 0.48               | 0.55               | 0.55               | 0.62               | 0.43               | 0.51               | 0.58               | 0.58               | 0.66               | 0.46               | 0.54               | 0.61               | 0.61               | 0.70               |
|                  |                    | PI                     | 0.80               | 0.80               | 0.80               | 0.80               | 0.81               | 0.85               | 0.85               | 0.85               | 0.85               | 0.85               | 0.90               | 0.90               | 0.90               | 0.90               | 0.91               | 0.96               | 0.96               | 0.96               | 0.96               | 0.96               |
|                  | 35°F<br>(1.7°C)    | TC                     | 20184              | 20212              | 20233              | 20234              | 20262              | 21401              | 21426              | 21447              | 21452              | 21477              | 22679              | 22709              | 22734              | 22738              | 22764              | 24046              | 24072              | 24098              | 24102              | 24132              |
|                  |                    | S/T                    | 0.39               | 0.46               | 0.52               | 0.52               | 0.59               | 0.41               | 0.48               | 0.55               | 0.55               | 0.63               | 0.44               | 0.51               | 0.58               | 0.58               | 0.66               | 0.46               | 0.54               | 0.62               | 0.62               | 0.70               |
|                  |                    | PI                     | 0.72               | 0.72               | 0.72               | 0.72               | 0.73               | 0.77               | 0.77               | 0.77               | 0.77               | 0.77               | 0.81               | 0.81               | 0.81               | 0.81               | 0.81               | 0.86               | 0.86               | 0.86               | 0.86               | 0.86               |
|                  | 41°F<br>(5.0°C)    | TC                     | 21342              | 21370              | 21393              | 21394              | 21423              | 22628              | 22655              | 22677              | 22682              | 22708              | 23980              | 24011              | 24038              | 24042              | 24069              | 25425              | 25452              | 25480              | 25484              | 25516              |
|                  |                    | S/T                    | 0.39               | 0.46               | 0.52               | 0.52               | 0.59               | 0.41               | 0.48               | 0.55               | 0.55               | 0.63               | 0.44               | 0.51               | 0.58               | 0.58               | 0.66               | 0.46               | 0.54               | 0.62               | 0.62               | 0.70               |
|                  |                    | PI                     | 0.94               | 0.94               | 0.94               | 0.95               | 0.95               | 1.00               | 1.00               | 1.00               | 1.00               | 1.00               | 1.06               | 1.06               | 1.06               | 1.06               | 1.06               | 1.12               | 1.12               | 1.13               | 1.13               | 1.13               |
|                  | 47°F<br>(8.3°C)    | TC                     | 22499              | 22529              | 22554              | 22555              | 22585              | 23855              | 23883              | 23907              | 23911              | 23940              | 25280              | 25313              | 25341              | 25346              | 25374              | 26803              | 26832              | 26862              | 26866              | 26899              |
|                  |                    | S/T                    | 0.39               | 0.46               | 0.52               | 0.52               | 0.59               | 0.41               | 0.49               | 0.55               | 0.55               | 0.63               | 0.44               | 0.51               | 0.58               | 0.58               | 0.67               | 0.46               | 0.55               | 0.62               | 0.62               | 0.71               |
|                  |                    | PI                     | 1.16               | 1.16               | 1.17               | 1.17               | 1.17               | 1.23               | 1.23               | 1.24               | 1.24               | 1.24               | 1.31               | 1.31               | 1.31               | 1.31               | 1.31               | 1.39               | 1.39               | 1.39               | 1.39               | 1.39               |
|                  | 50°F<br>(10.0°C)   | TC                     | 22497              | 22527              | 22551              | 22552              | 22583              | 23853              | 23881              | 23904              | 23909              | 23938              | 25278              | 25310              | 25339              | 25343              | 25372              | 26801              | 26830              | 26859              | 26863              | 26897              |
|                  |                    | S/T                    | 0.39               | 0.46               | 0.52               | 0.52               | 0.60               | 0.42               | 0.49               | 0.55               | 0.55               | 0.63               | 0.44               | 0.52               | 0.59               | 0.59               | 0.67               | 0.47               | 0.55               | 0.62               | 0.62               | 0.71               |
|                  |                    | PI                     | 1.19               | 1.19               | 1.19               | 1.19               | 1.19               | 1.26               | 1.26               | 1.26               | 1.26               | 1.26               | 1.33               | 1.34               | 1.34               | 1.34               | 1.41               | 1.41               | 1.42               | 1.42               | 1.42               | 1.42               |
|                  | 59°F<br>(15.0°C)   | TC                     | 22490              | 22521              | 22545              | 22546              | 22576              | 23846              | 23874              | 23898              | 23902              | 23931              | 25270              | 25303              | 25331              | 25336              | 25364              | 26793              | 26822              | 26851              | 26855              | 26889              |
|                  |                    | S/T                    | 0.39               | 0.46               | 0.53               | 0.53               | 0.60               | 0.42               | 0.49               | 0.56               | 0.56               | 0.64               | 0.44               | 0.52               | 0.59               | 0.59               | 0.67               | 0.47               | 0.55               | 0.63               | 0.63               | 0.71               |
|                  |                    | PI                     | 1.26               | 1.26               | 1.27               | 1.27               | 1.27               | 1.34               | 1.34               | 1.34               | 1.34               | 1.34               | 1.42               | 1.42               | 1.42               | 1.42               | 1.42               | 1.50               | 1.51               | 1.51               | 1.51               | 1.51               |
|                  | 68°F<br>(20.0°C)   | TC                     | 22484              | 22514              | 22538              | 22539              | 22570              | 23839              | 23867              | 23891              | 23895              | 23924              | 25263              | 25296              | 25324              | 25329              | 25357              | 26785              | 26814              | 26843              | 26848              | 26881              |
|                  |                    | S/T                    | 0.40               | 0.48               | 0.54               | 0.54               | 0.62               | 0.43               | 0.50               | 0.57               | 0.57               | 0.65               | 0.45               | 0.53               | 0.61               | 0.61               | 0.69               | 0.48               | 0.57               | 0.64               | 0.64               | 0.73               |
|                  |                    | PI                     | 1.34               | 1.34               | 1.34               | 1.34               | 1.34               | 1.42               | 1.42               | 1.42               | 1.42               | 1.42               | 1.50               | 1.50               | 1.51               | 1.51               | 1.51               | 1.59               | 1.59               | 1.60               | 1.60               | 1.60               |
|                  | 77°F<br>(25.0°C)   | TC                     | 22477              | 22508              | 22532              | 22533              | 22563              | 23832              | 23860              | 23884              | 23888              | 23917              | 25256              | 25289              | 25317              | 25321              | 25350              | 26777              | 26807              | 26836              | 26840              | 26873              |
|                  |                    | S/T                    | 0.41               | 0.48               | 0.55               | 0.55               | 0.62               | 0.43               | 0.51               | 0.58               | 0.58               | 0.66               | 0.46               | 0.54               | 0.61               | 0.61               | 0.70               | 0.49               | 0.57               | 0.65               | 0.65               | 0.74               |
|                  |                    | PI                     | 1.41               | 1.41               | 1.41               | 1.41               | 1.41               | 1.42               | 1.50               | 1.50               | 1.50               | 1.50               | 1.58               | 1.59               | 1.59               | 1.59               | 1.59               | 1.68               | 1.68               | 1.68               | 1.68               | 1.69               |
|                  | 82°F<br>(27.8°C)   | TC                     | 22085              | 22114              | 22138              | 22139              | 22169              | 23416              | 23443              | 23467              | 23471              | 23499              | 24815              | 24847              | 24875              | 24879              | 24907              | 26310              | 26338              | 26367              | 26371              | 26404              |
|                  |                    | S/T                    | 0.42               | 0.49               | 0.55               | 0.55               | 0.63               | 0.44               | 0.52               | 0.59               | 0.59               | 0.67               | 0.47               | 0.55               | 0.62               | 0.62               | 0.71               | 0.49               | 0.58               | 0.66               | 0.66               | 0.75               |
|                  |                    | PI                     | 1.47               | 1.47               | 1.47               | 1.47               | 1.47               | 1.56               | 1.56               | 1.56               | 1.56               | 1.56               | 1.65               | 1.65               | 1.65               | 1.65               | 1.66               | 1.75               | 1.75               | 1.75               | 1.75               | 1.76               |
|                  | 86°F<br>(30.0°C)   | TC                     | 21280              | 21308              | 21331              | 21332              | 21361              | 22562              | 22589              | 22611              | 22616              | 22643              | 23910              | 23941              | 23968              | 23972              | 23999              | 25351              | 25378              | 25406              | 25410              | 25442              |
|                  |                    | S/T                    | 0.42               | 0.49               | 0.56               | 0.56               | 0.64               | 0.45               | 0.52               | 0.59               | 0.59               | 0.68               | 0.47               | 0.55               | 0.63               | 0.63               | 0.72               | 0.50               | 0.59               | 0.67               | 0.67               | 0.76               |
|                  |                    | PI                     | 1.54               | 1.54               | 1.54               | 1.54               | 1.54               | 1.63               | 1.63               | 1.63               |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |

COOLING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 24 (Sheet 3 of 4)

| AIRFLOW<br>(CFM) | OUTDOOR<br>DB(°F)  | ID<br>WB(°F) | 60.8°F(16.0°C) |          |          |          |          | 64.4°F(18.0°C) |          |          |          |          | 67°F(19.4°C) |          |          |          |          | 71.6°F(22.0°C) |          |          |          |          |
|------------------|--------------------|--------------|----------------|----------|----------|----------|----------|----------------|----------|----------|----------|----------|--------------|----------|----------|----------|----------|----------------|----------|----------|----------|----------|
|                  |                    | ID           | 73.4°F         | 77.0°F   | 80.0°F   | 80.6°F   | 84.2°F   | 73.4°F         | 77.0°F   | 80.0°F   | 80.6°F   | 84.2°F   | 73.4°F       | 77.0°F   | 80.0°F   | 80.6°F   | 84.2°F   | 73.4°F         | 77.0°F   | 80.0°F   | 80.6°F   | 84.2°F   |
|                  |                    | DB(°F)       | (23.0°C)       | (25.0°C) | (26.7°C) | (27.0°C) | (29.0°C) | (23.0°C)       | (25.0°C) | (26.7°C) | (27.0°C) | (29.0°C) | (23.0°C)     | (25.0°C) | (26.7°C) | (27.0°C) | (29.0°C) | (23.0°C)       | (25.0°C) | (26.7°C) | (27.0°C) | (29.0°C) |
| 735              | -22°F<br>(-30.0°C) | TC           | 18188          | 18212    | 18232    | 18233    | 18257    | 19284          | 19307    | 19326    | 19329    | 19352    | 20436        | 20462    | 20485    | 20489    | 20512    | 21667          | 21691    | 21714    | 21718    | 21745    |
|                  |                    | S/T          | 0.42           | 0.50     | 0.56     | 0.56     | 0.64     | 0.45           | 0.53     | 0.60     | 0.60     | 0.68     | 0.47         | 0.56     | 0.63     | 0.63     | 0.72     | 0.50           | 0.59     | 0.67     | 0.67     | 0.76     |
|                  |                    | PI           | 0.86           | 0.86     | 0.86     | 0.86     | 0.86     | 0.91           | 0.91     | 0.91     | 0.91     | 0.91     | 0.96         | 0.96     | 0.97     | 0.97     | 0.97     | 1.02           | 1.02     | 1.02     | 1.02     | 1.02     |
|                  | -13°F<br>(-25.0°C) | TC           | 19703          | 19730    | 19751    | 19752    | 19779    | 20891          | 20915    | 20936    | 20940    | 20965    | 22139        | 22168    | 22192    | 22196    | 22221    | 23473          | 23498    | 23524    | 23527    | 23557    |
|                  |                    | S/T          | 0.43           | 0.50     | 0.57     | 0.57     | 0.65     | 0.45           | 0.53     | 0.60     | 0.60     | 0.69     | 0.48         | 0.56     | 0.64     | 0.64     | 0.73     | 0.51           | 0.59     | 0.68     | 0.68     | 0.77     |
|                  |                    | PI           | 0.93           | 0.93     | 0.93     | 0.93     | 0.93     | 0.98           | 0.99     | 0.99     | 0.99     | 0.99     | 1.04         | 1.04     | 1.05     | 1.05     | 1.05     | 1.11           | 1.11     | 1.11     | 1.11     | 1.11     |
|                  | -4°F<br>(-20.0°C)  | TC           | 21219          | 21247    | 21270    | 21271    | 21300    | 22498          | 22524    | 22547    | 22551    | 22578    | 23842        | 23873    | 23899    | 23904    | 23930    | 25278          | 25306    | 25333    | 25337    | 25369    |
|                  |                    | S/T          | 0.43           | 0.50     | 0.57     | 0.57     | 0.65     | 0.45           | 0.53     | 0.60     | 0.60     | 0.69     | 0.48         | 0.56     | 0.64     | 0.64     | 0.73     | 0.51           | 0.60     | 0.68     | 0.68     | 0.77     |
|                  |                    | PI           | 1.00           | 1.00     | 1.00     | 1.00     | 1.00     | 1.06           | 1.06     | 1.06     | 1.06     | 1.06     | 1.12         | 1.12     | 1.13     | 1.13     | 1.13     | 1.19           | 1.19     | 1.19     | 1.19     | 1.20     |
|                  | 0°F<br>(-17.8°C)   | TC           | 21893          | 21922    | 21946    | 21947    | 21976    | 23212          | 23239    | 23262    | 23267    | 23295    | 24599        | 24631    | 24658    | 24663    | 24690    | 26081          | 26109    | 26138    | 26142    | 26174    |
|                  |                    | S/T          | 0.43           | 0.50     | 0.57     | 0.57     | 0.65     | 0.45           | 0.53     | 0.61     | 0.61     | 0.69     | 0.48         | 0.57     | 0.64     | 0.64     | 0.73     | 0.51           | 0.60     | 0.68     | 0.68     | 0.78     |
|                  |                    | PI           | 1.03           | 1.03     | 1.03     | 1.03     | 1.04     | 1.09           | 1.09     | 1.10     | 1.10     | 1.10     | 1.16         | 1.16     | 1.16     | 1.16     | 1.16     | 1.23           | 1.23     | 1.23     | 1.23     | 1.23     |
|                  | 5°F<br>(-15.0°C)   | TC           | 22735          | 22765    | 22790    | 22791    | 22821    | 24105          | 24133    | 24157    | 24162    | 24190    | 25545        | 25578    | 25606    | 25611    | 25640    | 27084          | 27113    | 27143    | 27147    | 27181    |
|                  |                    | S/T          | 0.43           | 0.51     | 0.57     | 0.57     | 0.66     | 0.46           | 0.54     | 0.61     | 0.61     | 0.69     | 0.48         | 0.57     | 0.65     | 0.65     | 0.74     | 0.51           | 0.60     | 0.68     | 0.68     | 0.78     |
|                  |                    | PI           | 1.07           | 1.07     | 1.07     | 1.07     | 1.08     | 1.14           | 1.14     | 1.14     | 1.14     | 1.14     | 1.20         | 1.20     | 1.21     | 1.21     | 1.21     | 1.28           | 1.28     | 1.28     | 1.28     | 1.28     |
|                  | 14°F<br>(-10.0°C)  | TC           | 22743          | 22773    | 22798    | 22799    | 22830    | 24113          | 24142    | 24166    | 24170    | 24199    | 25554        | 25587    | 25616    | 25620    | 25649    | 27094          | 27123    | 27152    | 27157    | 27191    |
|                  |                    | S/T          | 0.43           | 0.51     | 0.58     | 0.58     | 0.66     | 0.46           | 0.54     | 0.61     | 0.61     | 0.70     | 0.49         | 0.57     | 0.65     | 0.65     | 0.74     | 0.51           | 0.60     | 0.69     | 0.69     | 0.78     |
|                  |                    | PI           | 0.98           | 0.98     | 0.98     | 0.98     | 0.98     | 1.04           | 1.04     | 1.04     | 1.04     | 1.04     | 1.10         | 1.10     | 1.10     | 1.10     | 1.11     | 1.17           | 1.17     | 1.17     | 1.17     | 1.17     |
|                  | 17°F<br>(-8.3°C)   | TC           | 22745          | 22776    | 22800    | 22801    | 22832    | 24116          | 24145    | 24168    | 24173    | 24202    | 25557        | 25590    | 25619    | 25623    | 25652    | 27097          | 27126    | 27156    | 27160    | 27194    |
|                  |                    | S/T          | 0.43           | 0.51     | 0.58     | 0.58     | 0.66     | 0.46           | 0.54     | 0.61     | 0.61     | 0.70     | 0.49         | 0.57     | 0.65     | 0.65     | 0.74     | 0.52           | 0.61     | 0.69     | 0.69     | 0.78     |
|                  |                    | PI           | 0.95           | 0.95     | 0.95     | 0.95     | 0.95     | 1.01           | 1.01     | 1.01     | 1.01     | 1.01     | 1.07         | 1.07     | 1.07     | 1.07     | 1.13     | 1.13           | 1.13     | 1.13     | 1.13     | 1.14     |
|                  | 23°F<br>(-5.0°C)   | TC           | 22744          | 22775    | 22800    | 22801    | 22831    | 24115          | 24144    | 24168    | 24172    | 24201    | 25556        | 25589    | 25618    | 25622    | 25651    | 27096          | 27125    | 27155    | 27159    | 27193    |
|                  |                    | S/T          | 0.44           | 0.51     | 0.58     | 0.58     | 0.66     | 0.46           | 0.54     | 0.62     | 0.62     | 0.70     | 0.49         | 0.57     | 0.65     | 0.65     | 0.74     | 0.52           | 0.61     | 0.69     | 0.69     | 0.79     |
|                  |                    | PI           | 0.90           | 0.91     | 0.91     | 0.91     | 0.91     | 0.96           | 0.96     | 0.96     | 0.96     | 1.02     | 1.02         | 1.02     | 1.02     | 1.02     | 1.08     | 1.08           | 1.08     | 1.08     | 1.08     | 1.08     |
|                  | 35°F<br>(1.7°C)    | TC           | 22743          | 22773    | 22798    | 22799    | 22830    | 24113          | 24142    | 24166    | 24170    | 24199    | 25554        | 25587    | 25616    | 25620    | 25649    | 27094          | 27123    | 27152    | 27157    | 27191    |
|                  |                    | S/T          | 0.44           | 0.51     | 0.58     | 0.58     | 0.67     | 0.46           | 0.54     | 0.62     | 0.62     | 0.71     | 0.49         | 0.58     | 0.66     | 0.66     | 0.75     | 0.52           | 0.61     | 0.70     | 0.70     | 0.79     |
|                  |                    | PI           | 0.81           | 0.82     | 0.82     | 0.82     | 0.82     | 0.86           | 0.86     | 0.86     | 0.87     | 0.87     | 0.91         | 0.92     | 0.92     | 0.92     | 0.92     | 0.97           | 0.97     | 0.97     | 0.97     | 0.97     |
|                  | 41°F<br>(5.0°C)    | TC           | 24047          | 24079    | 24105    | 24106    | 24138    | 25496          | 25526    | 25551    | 25556    | 25587    | 27019        | 27054    | 27084    | 27089    | 27119    | 28647          | 28678    | 28709    | 28714    | 28750    |
|                  |                    | S/T          | 0.44           | 0.51     | 0.58     | 0.58     | 0.67     | 0.46           | 0.55     | 0.62     | 0.62     | 0.71     | 0.49         | 0.58     | 0.66     | 0.66     | 0.75     | 0.52           | 0.61     | 0.70     | 0.70     | 0.79     |
|                  |                    | PI           | 1.06           | 1.06     | 1.06     | 1.06     | 1.07     | 1.13           | 1.13     | 1.13     | 1.13     | 1.13     | 1.19         | 1.20     | 1.20     | 1.20     | 1.20     | 1.27           | 1.27     | 1.27     | 1.27     | 1.27     |
|                  | 47°F<br>(8.3°C)    | TC           | 25351          | 25385    | 25412    | 25413    | 25447    | 26878          | 26910    | 26937    | 26942    | 26974    | 28484        | 28521    | 28553    | 28558    | 28590    | 30200          | 30233    | 30266    | 30271    | 30308    |
|                  |                    | S/T          | 0.44           | 0.52     | 0.59     | 0.59     | 0.67     | 0.47           | 0.55     | 0.62     | 0.62     | 0.71     | 0.49         | 0.58     | 0.66     | 0.66     | 0.75     | 0.52           | 0.61     | 0.70     | 0.70     | 0.80     |
|                  |                    | PI           | 1.31           | 1.31     | 1.31     | 1.31     | 1.32     | 1.39           | 1.39     | 1.39     | 1.39     | 1.39     | 1.47         | 1.47     | 1.48     | 1.48     | 1.48     | 1.56           | 1.56     | 1.56     | 1.56     | 1.57     |
|                  | 50°F<br>(10.0°C)   | TC           | 25348          | 25382    | 25410    | 25411    | 25445    | 26876          | 26908    | 26934    | 26939    | 26971    | 28481        | 28518    | 28550    | 28555    | 28587    | 30197          | 30230    | 30263    | 30268    | 30306    |
|                  |                    | S/T          | 0.44           | 0.52     | 0.59     | 0.59     | 0.67     | 0.47           | 0.55     | 0.62     | 0.62     | 0.71     | 0.50         | 0.58     | 0.66     | 0.66     | 0.76     | 0.53           | 0.62     | 0.70     | 0.70     | 0.80     |
|                  |                    | PI           | 1.34           | 1.34     | 1.34     | 1.34     | 1.34     | 1.42           | 1.42     | 1.42     | 1.42     | 1.42     | 1.50         | 1.51     | 1.51     | 1.51     | 1.51     | 1.59           | 1.60     | 1.60     | 1.60     | 1.60     |
|                  | 59°F<br>(15.0°C)   | TC           | 25341          | 25375    | 25402    | 25403    | 25438    | 26868          | 26900    | 26926    | 26932    | 26964    | 28473        | 28510    | 28542    | 28547    | 28579    | 30189          | 30222    | 30254    | 30259    | 30297    |
|                  |                    | S/T          | 0.44           | 0.52     | 0.59     | 0.59     | 0.68     | 0.47           | 0.55     | 0.63     | 0.63     | 0.72     | 0.50         | 0.59     | 0.67     | 0.67     | 0.76     | 0.53           | 0.62     | 0.71     | 0.71     | 0.80     |
|                  |                    | PI           | 1.42           | 1.42     | 1.43     | 1.43     | 1.43     | 1.51           | 1.51     | 1.51     | 1.51     | 1.51     | 1.60         | 1.60     | 1.60     | 1.60     | 1.60     | 1.69           | 1.70     | 1.70     | 1.70     | 1.70     |
|                  | 68°F<br>(20.0°C)   | TC           | 25333          | 25368    | 25395    | 25396    | 25430    | 26860          | 26892    | 26919    | 26924    | 26956    | 28465        | 28502    | 28534    | 28539    | 28571    | 30180          | 30213    | 30246    | 30250    | 30288    |
|                  |                    | S/T          | 0.46           | 0.54     | 0.61     | 0.61     | 0.69     | 0.48           | 0.57     | 0.64     | 0.64     | 0.73     | 0.51         | 0.60     | 0.68     | 0.68     | 0.78     | 0.54           | 0.64     | 0.72     | 0.72     | 0.83     |
|                  |                    | PI           | 1.51           | 1.51     | 1.51     | 1.51     | 1.51     | 1.60           | 1.60     | 1.60     | 1.60     | 1.60     | 1.69         | 1.69     | 1.70     | 1.70     | 1.70     | 1.79           | 1.80     | 1.80     | 1.80     | 1.80     |
|                  | 77°F<br>(25.0°C)   | TC           | 25326          | 25360    | 25388    | 25389    | 25423    | 26852          | 26884    | 26911    | 26916    | 26948    | 28457        | 28494    | 28525    | 28531    | 28563    | 30171          | 30204    | 30237    | 30242    | 30279    |
|                  |                    | S/T          | 0.46           | 0.54     | 0.62     | 0.62     | 0.70     | 0.49           | 0.57     | 0.65     | 0.65     | 0.74     | 0.52         | 0.61     | 0.69     | 0.69     | 0.79     | 0.55           | 0.65     | 0.73     | 0.73     | 0.84     |
|                  |                    | PI           | 1.59           | 1.59     | 1.59     | 1.59     | 1.60     | 1.69           | 1.69     | 1.69     | 1.69     | 1.69     | 1.79         | 1.79     | 1.79     | 1.79     | 1.79     | 1.89           | 1.90     | 1.90     | 1.90     | 1.90     |
|                  | 82°F<br>(27.8°C)   | TC           | 24884          | 24917    | 24944    | 24945    | 24979    | 26383          | 26415    | 26441    | 26446    | 26477    | 27960        | 27996    | 28027    | 28032    | 28064    | 29644          | 29676    | 29709    | 29713    | 29750    |
|                  |                    | S/T          | 0.47           | 0.55     | 0.62     | 0.62     | 0.71     | 0.50           | 0.58     | 0.66     | 0.66     | 0.75     | 0.53         | 0.62     | 0.70     | 0.70     | 0.80     | 0.56           | 0.65     | 0.74     | 0.74     | 0.85     |
|                  |                    | PI           | 1.65           | 1.66     | 1.66     | 1.66     | 1.66     | 1.75           | 1.76     | 1.76     | 1.76     | 1.76     | 1.86         | 1.86     | 1.86     | 1.86     | 1.87     | 1.97           | 1.97     | 1.98     | 1.98     | 1.98     |
|                  | 86°F<br>(30.0°C)   | TC           | 23977          | 24009    | 24035    | 24036    | 24068    | 25422          | 25452    | 25477    | 25482    | 25512    | 26941        | 26976    | 27006    | 27011    | 27041    | 28564          | 28595    | 28626    | 28630    | 28666    |
|                  |                    | S/T          | 0.47           | 0.56     | 0.63     | 0.63     | 0.72     | 0.50           | 0.59     | 0.67     | 0.67     | 0.76     | 0.53         | 0.62     | 0.71     | 0.71     | 0.81     | 0.56           | 0.66     | 0.75     | 0.75     | 0.86     |
|                  |                    | PI           | 1.73           | 1.73     | 1.73     | 1.73     | 1.74     | 1.83           | 1.84     | 1.84     | 1.84     | 1.84     | 1.94         | 1.95     | 1.95     | 1.95     | 1.95     | 2.06           | 2.06     | 2.07     | 2.07     | 2.07     |
|                  | 95°F<br>(35.0°C)   | TC           | 21936          | 21966    | 21989    | 21990    | 22020    | 23258          | 23286    | 23309    | 23313    | 23341    | 24648        | 24680    | 24707    | 24712    | 24739    | 26133          | 26161    | 26190    | 26194    | 26226    |

COOLING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 24 (Sheet 4 of 4)

| AIRFLOW<br>(CFM) | OUTDOOR<br>DB(°F)  | ID<br>WB(°F) | 60.8°F(16.0°C) |          |          |          |          | 64.4°F(18.0°C) |          |          |          |          | 67°F(19.4°C) |          |          |          |          | 71.6°F(22.0°C) |          |          |          |          |
|------------------|--------------------|--------------|----------------|----------|----------|----------|----------|----------------|----------|----------|----------|----------|--------------|----------|----------|----------|----------|----------------|----------|----------|----------|----------|
|                  |                    | ID           | 73.4°F         | 77.0°F   | 80.0°F   | 80.6°F   | 84.2°F   | 73.4°F         | 77.0°F   | 80.0°F   | 80.6°F   | 84.2°F   | 73.4°F       | 77.0°F   | 80.0°F   | 80.6°F   | 84.2°F   | 73.4°F         | 77.0°F   | 80.0°F   | 80.6°F   | 84.2°F   |
|                  |                    | DB(°F)       | (23.0°C)       | (25.0°C) | (26.7°C) | (27.0°C) | (29.0°C) | (23.0°C)       | (25.0°C) | (26.7°C) | (27.0°C) | (29.0°C) | (23.0°C)     | (25.0°C) | (26.7°C) | (27.0°C) | (29.0°C) | (23.0°C)       | (25.0°C) | (26.7°C) | (27.0°C) | (29.0°C) |
| 853              | -22°F<br>(-30.0°C) | TC           | 20493          | 20520    | 20542    | 20543    | 20571    | 21728          | 21754    | 21775    | 21779    | 21805    | 23026        | 23056    | 23081    | 23086    | 23112    | 24413          | 24440    | 24466    | 24470    | 24501    |
|                  |                    | S/T          | 0.48           | 0.56     | 0.63     | 0.63     | 0.72     | 0.50           | 0.59     | 0.67     | 0.67     | 0.77     | 0.53         | 0.63     | 0.71     | 0.71     | 0.81     | 0.57           | 0.67     | 0.76     | 0.76     | 0.86     |
|                  |                    | PI           | 0.97           | 0.97     | 0.97     | 0.97     | 0.97     | 1.02           | 1.02     | 1.03     | 1.03     | 1.03     | 1.08         | 1.09     | 1.09     | 1.09     | 1.09     | 1.15           | 1.15     | 1.15     | 1.15     | 1.15     |
|                  | -13°F<br>(-25.0°C) | TC           | 22201          | 22230    | 22254    | 22255    | 22285    | 23538          | 23566    | 23590    | 23594    | 23622    | 24945        | 24977    | 25005    | 25010    | 25038    | 26448          | 26476    | 26505    | 26509    | 26542    |
|                  |                    | S/T          | 0.48           | 0.56     | 0.64     | 0.64     | 0.73     | 0.51           | 0.60     | 0.68     | 0.68     | 0.77     | 0.54         | 0.63     | 0.72     | 0.72     | 0.82     | 0.57           | 0.67     | 0.76     | 0.76     | 0.87     |
|                  |                    | PI           | 1.05           | 1.05     | 1.05     | 1.05     | 1.05     | 1.11           | 1.11     | 1.11     | 1.11     | 1.11     | 1.18         | 1.18     | 1.18     | 1.18     | 1.18     | 1.25           | 1.25     | 1.25     | 1.25     | 1.25     |
|                  | -4°F<br>(-20.0°C)  | TC           | 23908          | 23940    | 23966    | 23967    | 24000    | 25349          | 25379    | 25404    | 25409    | 25439    | 26864        | 26898    | 26928    | 26933    | 26963    | 28482          | 28513    | 28544    | 28549    | 28584    |
|                  |                    | S/T          | 0.48           | 0.57     | 0.64     | 0.64     | 0.73     | 0.51           | 0.60     | 0.68     | 0.68     | 0.78     | 0.54         | 0.64     | 0.72     | 0.72     | 0.82     | 0.57           | 0.67     | 0.77     | 0.77     | 0.87     |
|                  |                    | PI           | 1.13           | 1.13     | 1.13     | 1.13     | 1.13     | 1.19           | 1.20     | 1.20     | 1.20     | 1.20     | 1.27         | 1.27     | 1.27     | 1.27     | 1.27     | 1.34           | 1.34     | 1.34     | 1.34     | 1.35     |
|                  | 0°F<br>(-17.8°C)   | TC           | 24667          | 24700    | 24727    | 24728    | 24761    | 26154          | 26185    | 26211    | 26216    | 26247    | 27716        | 27752    | 27783    | 27788    | 27819    | 29386          | 29418    | 29450    | 29455    | 29492    |
|                  |                    | S/T          | 0.48           | 0.57     | 0.64     | 0.64     | 0.73     | 0.51           | 0.60     | 0.68     | 0.68     | 0.78     | 0.54         | 0.64     | 0.72     | 0.72     | 0.83     | 0.58           | 0.68     | 0.77     | 0.77     | 0.88     |
|                  |                    | PI           | 1.16           | 1.16     | 1.16     | 1.16     | 1.17     | 1.23           | 1.23     | 1.23     | 1.24     | 1.24     | 1.31         | 1.31     | 1.31     | 1.31     | 1.38     | 1.39           | 1.39     | 1.39     | 1.39     | 1.39     |
|                  | 5°F<br>(-15.0°C)   | TC           | 25616          | 25650    | 25678    | 25679    | 25714    | 27160          | 27192    | 27219    | 27224    | 27256    | 28782        | 28820    | 28852    | 28857    | 28889    | 30517          | 30550    | 30583    | 30588    | 30626    |
|                  |                    | S/T          | 0.49           | 0.57     | 0.65     | 0.65     | 0.74     | 0.51           | 0.60     | 0.69     | 0.69     | 0.78     | 0.55         | 0.64     | 0.73     | 0.73     | 0.83     | 0.58           | 0.68     | 0.77     | 0.77     | 0.88     |
|                  |                    | PI           | 1.21           | 1.21     | 1.21     | 1.21     | 1.21     | 1.28           | 1.28     | 1.28     | 1.28     | 1.28     | 1.36         | 1.36     | 1.36     | 1.36     | 1.36     | 1.44           | 1.44     | 1.44     | 1.44     | 1.44     |
|                  | 14°F<br>(-10.0°C)  | TC           | 25625          | 25660    | 25687    | 25688    | 25723    | 27169          | 27202    | 27228    | 27234    | 27266    | 28793        | 28830    | 28862    | 28867    | 28900    | 30527          | 30561    | 30594    | 30599    | 30637    |
|                  |                    | S/T          | 0.49           | 0.57     | 0.65     | 0.65     | 0.74     | 0.52           | 0.61     | 0.69     | 0.69     | 0.78     | 0.55         | 0.64     | 0.73     | 0.73     | 0.83     | 0.58           | 0.68     | 0.77     | 0.77     | 0.88     |
|                  |                    | PI           | 1.10           | 1.11     | 1.11     | 1.11     | 1.11     | 1.17           | 1.17     | 1.17     | 1.17     | 1.17     | 1.24         | 1.24     | 1.24     | 1.24     | 1.25     | 1.32           | 1.32     | 1.32     | 1.32     | 1.32     |
|                  | 17°F<br>(-8.3°C)   | TC           | 25628          | 25663    | 25690    | 25691    | 25726    | 27173          | 27205    | 27232    | 27237    | 27269    | 28796        | 28833    | 28866    | 28871    | 28903    | 30531          | 30564    | 30597    | 30602    | 30640    |
|                  |                    | S/T          | 0.49           | 0.57     | 0.65     | 0.65     | 0.74     | 0.52           | 0.61     | 0.69     | 0.69     | 0.79     | 0.55         | 0.64     | 0.73     | 0.73     | 0.83     | 0.58           | 0.68     | 0.78     | 0.78     | 0.88     |
|                  |                    | PI           | 1.07           | 1.07     | 1.07     | 1.07     | 1.07     | 1.13           | 1.14     | 1.14     | 1.14     | 1.14     | 1.20         | 1.20     | 1.21     | 1.21     | 1.21     | 1.27           | 1.28     | 1.28     | 1.28     | 1.28     |
|                  | 23°F<br>(-5.0°C)   | TC           | 25627          | 25662    | 25689    | 25690    | 25725    | 27172          | 27204    | 27231    | 27236    | 27268    | 28795        | 28832    | 28864    | 28870    | 28902    | 30530          | 30563    | 30596    | 30601    | 30639    |
|                  |                    | S/T          | 0.49           | 0.58     | 0.65     | 0.65     | 0.75     | 0.52           | 0.61     | 0.69     | 0.69     | 0.79     | 0.55         | 0.65     | 0.74     | 0.74     | 0.84     | 0.58           | 0.69     | 0.78     | 0.78     | 0.89     |
|                  |                    | PI           | 1.02           | 1.02     | 1.02     | 1.02     | 1.02     | 1.08           | 1.08     | 1.08     | 1.08     | 1.08     | 1.14         | 1.15     | 1.15     | 1.15     | 1.15     | 1.21           | 1.22     | 1.22     | 1.22     | 1.22     |
|                  | 35°F<br>(1.7°C)    | TC           | 25625          | 25660    | 25687    | 25688    | 25723    | 27169          | 27202    | 27228    | 27234    | 27266    | 28793        | 28830    | 28862    | 28867    | 28900    | 30527          | 30561    | 30594    | 30599    | 30637    |
|                  |                    | S/T          | 0.49           | 0.58     | 0.66     | 0.66     | 0.75     | 0.52           | 0.61     | 0.70     | 0.70     | 0.79     | 0.55         | 0.65     | 0.74     | 0.74     | 0.84     | 0.59           | 0.69     | 0.78     | 0.78     | 0.89     |
|                  |                    | PI           | 0.92           | 0.92     | 0.92     | 0.92     | 0.92     | 0.97           | 0.97     | 0.97     | 0.97     | 0.98     | 1.03         | 1.03     | 1.03     | 1.03     | 1.03     | 1.09           | 1.09     | 1.09     | 1.10     | 1.10     |
|                  | 41°F<br>(5.0°C)    | TC           | 27094          | 27131    | 27160    | 27161    | 27198    | 28727          | 28761    | 28790    | 28795    | 28829    | 30443        | 30483    | 30517    | 30523    | 30557    | 32278          | 32313    | 32348    | 32353    | 32393    |
|                  |                    | S/T          | 0.49           | 0.58     | 0.66     | 0.66     | 0.75     | 0.52           | 0.61     | 0.70     | 0.70     | 0.80     | 0.56         | 0.65     | 0.74     | 0.74     | 0.84     | 0.59           | 0.69     | 0.78     | 0.78     | 0.89     |
|                  |                    | PI           | 1.20           | 1.20     | 1.20     | 1.20     | 1.20     | 1.27           | 1.27     | 1.27     | 1.27     | 1.27     | 1.34         | 1.35     | 1.35     | 1.35     | 1.35     | 1.43           | 1.43     | 1.43     | 1.43     | 1.43     |
|                  | 47°F<br>(8.3°C)    | TC           | 28564          | 28602    | 28633    | 28634    | 28673    | 30285          | 30321    | 30351    | 30357    | 30393    | 32094        | 32136    | 32172    | 32178    | 32214    | 34028          | 34065    | 34102    | 34107    | 34150    |
|                  |                    | S/T          | 0.50           | 0.58     | 0.66     | 0.66     | 0.75     | 0.53           | 0.62     | 0.70     | 0.70     | 0.80     | 0.56         | 0.65     | 0.74     | 0.74     | 0.85     | 0.59           | 0.69     | 0.79     | 0.79     | 0.90     |
|                  |                    | PI           | 1.48           | 1.48     | 1.48     | 1.48     | 1.48     | 1.57           | 1.57     | 1.57     | 1.57     | 1.57     | 1.66         | 1.66     | 1.66     | 1.66     | 1.67     | 1.76           | 1.76     | 1.76     | 1.76     | 1.77     |
|                  | 50°F<br>(10.0°C)   | TC           | 28561          | 28599    | 28630    | 28631    | 28670    | 30282          | 30318    | 30348    | 30354    | 30390    | 32091        | 32133    | 32169    | 32175    | 32211    | 34025          | 34062    | 34099    | 34104    | 34147    |
|                  |                    | S/T          | 0.50           | 0.58     | 0.66     | 0.66     | 0.76     | 0.53           | 0.62     | 0.70     | 0.70     | 0.80     | 0.56         | 0.66     | 0.75     | 0.75     | 0.85     | 0.59           | 0.70     | 0.79     | 0.79     | 0.90     |
|                  |                    | PI           | 1.51           | 1.51     | 1.51     | 1.51     | 1.51     | 1.60           | 1.60     | 1.60     | 1.60     | 1.69     | 1.70         | 1.70     | 1.70     | 1.70     | 1.70     | 1.80           | 1.80     | 1.80     | 1.80     | 1.80     |
|                  | 59°F<br>(15.0°C)   | TC           | 28553          | 28591    | 28622    | 28623    | 28662    | 30273          | 30309    | 30339    | 30345    | 30381    | 32082        | 32124    | 32159    | 32165    | 32201    | 34015          | 34052    | 34089    | 34094    | 34137    |
|                  |                    | S/T          | 0.50           | 0.59     | 0.67     | 0.67     | 0.76     | 0.53           | 0.62     | 0.71     | 0.71     | 0.81     | 0.56         | 0.66     | 0.75     | 0.75     | 0.86     | 0.60           | 0.70     | 0.80     | 0.80     | 0.91     |
|                  |                    | PI           | 1.60           | 1.60     | 1.61     | 1.61     | 1.61     | 1.70           | 1.70     | 1.70     | 1.70     | 1.80     | 1.80         | 1.80     | 1.80     | 1.81     | 1.91     | 1.91           | 1.91     | 1.91     | 1.91     | 1.92     |
|                  | 68°F<br>(20.0°C)   | TC           | 28544          | 28583    | 28613    | 28615    | 28653    | 30264          | 30300    | 30330    | 30336    | 30372    | 32073        | 32114    | 32150    | 32156    | 32192    | 34005          | 34042    | 34079    | 34084    | 34127    |
|                  |                    | S/T          | 0.51           | 0.60     | 0.69     | 0.69     | 0.78     | 0.54           | 0.64     | 0.73     | 0.73     | 0.83     | 0.58         | 0.68     | 0.77     | 0.77     | 0.88     | 0.61           | 0.72     | 0.82     | 0.82     | 0.93     |
|                  |                    | PI           | 1.70           | 1.70     | 1.70     | 1.70     | 1.70     | 1.80           | 1.80     | 1.80     | 1.80     | 1.81     | 1.91         | 1.91     | 1.91     | 1.91     | 1.91     | 2.02           | 2.02     | 2.03     | 2.03     | 2.03     |
|                  | 77°F<br>(25.0°C)   | TC           | 28536          | 28574    | 28605    | 28606    | 28645    | 30256          | 30292    | 30321    | 30327    | 30363    | 32063        | 32105    | 32141    | 32147    | 32183    | 33995          | 34032    | 34069    | 34075    | 34117    |
|                  |                    | S/T          | 0.52           | 0.61     | 0.69     | 0.69     | 0.79     | 0.55           | 0.65     | 0.74     | 0.74     | 0.84     | 0.59         | 0.69     | 0.78     | 0.78     | 0.89     | 0.62           | 0.73     | 0.83     | 0.83     | 0.94     |
|                  |                    | PI           | 1.79           | 1.79     | 1.80     | 1.80     | 1.80     | 1.90           | 1.90     | 1.90     | 1.90     | 1.91     | 2.01         | 2.01     | 2.02     | 2.02     | 2.02     | 2.13           | 2.14     | 2.14     | 2.14     | 2.14     |
|                  | 82°F<br>(27.8°C)   | TC           | 28038          | 28075    | 28106    | 28107    | 28145    | 29727          | 29762    | 29792    | 29798    | 29833    | 31503        | 31544    | 31579    | 31585    | 31620    | 33401          | 33438    | 33474    | 33479    | 33521    |
|                  |                    | S/T          | 0.53           | 0.62     | 0.70     | 0.70     | 0.80     | 0.56           | 0.66     | 0.75     | 0.75     | 0.85     | 0.59         | 0.70     | 0.79     | 0.79     | 0.90     | 0.63           | 0.74     | 0.84     | 0.84     | 0.95     |
|                  |                    | PI           | 1.86           | 1.87     | 1.87     | 1.87     | 1.87     | 1.98           | 1.98     | 1.98     | 1.98     | 1.98     | 2.09         | 2.10     | 2.10     | 2.10     | 2.10     | 2.22           | 2.22     | 2.23     | 2.23     | 2.23     |
|                  | 86°F<br>(30.0°C)   | TC           | 27016          | 27052    | 27081    | 27082    | 27119    | 28644          | 28678    | 28706    | 28712    | 28746    | 30355        | 30394    | 30428    | 30434    | 30468    | 32184          | 32219    | 32254    | 32259    | 32299    |
|                  |                    | S/T          | 0.53           | 0.63     | 0.71     | 0.71     | 0.81     | 0.57           | 0.66     | 0.75     | 0.75     | 0.86     | 0.60         | 0.70     | 0.80     | 0.80     | 0.91     | 0.64           | 0.75     | 0.85     | 0.85     | 0.97     |
|                  |                    | PI           | 1.95           | 1.95     | 1.95     | 1.95     | 1.96     | 2.07           | 2.07     | 2.07     | 2.07     | 2.07     | 2.19         | 2.19     | 2.20     | 2.20     | 2.20     | 2.32           | 2.33     | 2.33     | 2.33     | 2.33     |
|                  | 95°F<br>(35.0°C)   | TC           | 24716          | 24750    | 24776    | 24777    | 24811    | 26206          | 26237    | 26263    | 26268    | 26299    | 27771        | 27808    | 27839    | 27844    | 27875    | 29445          | 29477    | 29509    | 29513    | 29550    |

**Table 42 — High Static Slim Duct Heating Performance (24K)**

HEATING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 24 (Sheet 1 of 2)

| AIRFLOW (CFM) | OUTDOOR DB(°F) | ID WB(°F)          | 60.8°F(16.0°C)     |                    |                    |                    |                    | 64.4°F(18.0°C)     |                    |                    |                    |
|---------------|----------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|               |                | ID DB(°F)          | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) |
|               |                | 60.8°F<br>(16.0°C) | 68°F<br>(20.0°C)   | 70°F<br>(21.1°C)   | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) | 60.8°F<br>(16.0°C) | 68°F<br>(20.0°C)   | 70°F<br>(21.1°C)   | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) |
| 500           | -22°F(-30.0°C) | 7955               | 7796               | 7757               | 7651               | 7582               | 2.42               | 2.44               | 2.44               | 2.45               | 2.46               |
|               | -13°F(-25.0°C) | 11191              | 10967              | 10913              | 10349              | 10256              | 2.60               | 2.63               | 2.63               | 2.64               | 2.65               |
|               | -4°F(-20.0°C)  | 13865              | 13588              | 13520              | 12822              | 12706              | 2.78               | 2.81               | 2.81               | 2.82               | 2.83               |
|               | 0°F(-17.8°C)   | 15564              | 15253              | 15177              | 14393              | 14264              | 2.90               | 2.93               | 2.93               | 2.94               | 2.95               |
|               | 5°F(-15.0°C)   | 17688              | 17334              | 17248              | 16358              | 16210              | 3.05               | 3.07               | 3.08               | 3.09               | 3.10               |
|               | 14°F(-10.0°C)  | 17455              | 17106              | 17021              | 16142              | 15997              | 2.81               | 2.83               | 2.84               | 2.84               | 2.86               |
|               | 17°F(-8.3°C)   | 17378              | 17030              | 16945              | 16070              | 15926              | 2.73               | 2.75               | 2.76               | 2.76               | 2.78               |
|               | 22°F(-5.6°C)   | 18272              | 17907              | 17817              | 16898              | 16746              | 2.74               | 2.76               | 2.77               | 2.77               | 2.78               |
|               | 27°F(-2.8°C)   | 19167              | 18784              | 18690              | 17725              | 17566              | 2.74               | 2.77               | 2.77               | 2.78               | 2.79               |
|               | 32°F(-0.0°C)   | 20062              | 19661              | 19563              | 18553              | 18386              | 2.75               | 2.77               | 2.78               | 2.78               | 2.80               |
|               | 35°F(1.7°C)    | 20599              | 20187              | 20086              | 19050              | 18878              | 2.75               | 2.78               | 2.78               | 2.79               | 2.80               |
|               | 37°F(2.8°C)    | 20916              | 20497              | 20395              | 19342              | 19168              | 2.69               | 2.72               | 2.72               | 2.73               | 2.74               |
|               | 42°F(5.6°C)    | 21706              | 21272              | 21166              | 20074              | 19893              | 2.54               | 2.56               | 2.57               | 2.57               | 2.58               |
|               | 44.6°F(7.0°C)  | 22023              | 21582              | 21474              | 20366              | 20183              | 2.48               | 2.50               | 2.50               | 2.51               | 2.52               |
|               | 47°F(8.3°C)    | 22497              | 22047              | 21937              | 20805              | 20618              | 2.39               | 2.41               | 2.41               | 2.42               | 2.43               |
|               | 52°F(11.1°C)   | 22522              | 22071              | 21961              | 20828              | 20640              | 2.19               | 2.21               | 2.21               | 2.22               | 2.23               |
|               | 57°F(13.9°C)   | 22546              | 22095              | 21985              | 20850              | 20663              | 1.99               | 2.01               | 2.01               | 2.02               | 2.03               |
|               | 59°F(15.0°C)   | 22556              | 22105              | 21994              | 20859              | 20672              | 1.91               | 1.93               | 1.93               | 1.94               | 1.95               |
|               | 62°F(16.7°C)   | 22571              | 22119              | 22009              | 20873              | 20685              | 1.80               | 1.81               | 1.81               | 1.82               | 1.83               |
|               | 64.4°F(18.0°C) | 22581              | 22129              | 22018              | 20882              | 20694              | 1.72               | 1.73               | 1.73               | 1.74               | 1.75               |
| 618           | -22°F(-30.0°C) | 9140               | 8958               | 8913               | 8834               | 8754               | 2.44               | 2.46               | 2.47               | 2.47               | 2.48               |
|               | -13°F(-25.0°C) | 12610              | 12357              | 12296              | 11950              | 11843              | 2.63               | 2.65               | 2.66               | 2.66               | 2.67               |
|               | -4°F(-20.0°C)  | 15622              | 15310              | 15233              | 14805              | 14672              | 2.81               | 2.83               | 2.84               | 2.85               | 2.86               |
|               | 0°F(-17.8°C)   | 17537              | 17186              | 17100              | 16620              | 16470              | 2.93               | 2.95               | 2.96               | 2.97               | 2.98               |
|               | 5°F(-15.0°C)   | 19930              | 19531              | 19434              | 18888              | 18718              | 3.08               | 3.10               | 3.11               | 3.12               | 3.13               |
|               | 14°F(-10.0°C)  | 19668              | 19274              | 19178              | 18639              | 18471              | 2.84               | 2.86               | 2.87               | 2.87               | 2.88               |
|               | 17°F(-8.3°C)   | 19580              | 19188              | 19093              | 18556              | 18389              | 2.76               | 2.78               | 2.79               | 2.79               | 2.80               |
|               | 22°F(-5.6°C)   | 20588              | 20177              | 20076              | 19512              | 19336              | 2.77               | 2.79               | 2.79               | 2.80               | 2.81               |
|               | 27°F(-2.8°C)   | 21597              | 21165              | 21059              | 20467              | 20283              | 2.77               | 2.79               | 2.80               | 2.81               | 2.82               |
|               | 32°F(-0.0°C)   | 22605              | 22153              | 22042              | 21423              | 21230              | 2.78               | 2.80               | 2.81               | 2.81               | 2.82               |
|               | 35°F(1.7°C)    | 23210              | 22746              | 22632              | 21996              | 21798              | 2.78               | 2.81               | 2.81               | 2.82               | 2.83               |
|               | 37°F(2.8°C)    | 23566              | 23095              | 22980              | 22334              | 22133              | 2.72               | 2.74               | 2.75               | 2.75               | 2.76               |
|               | 42°F(5.6°C)    | 24458              | 23968              | 23849              | 23179              | 22970              | 2.57               | 2.59               | 2.59               | 2.60               | 2.61               |
|               | 44.6°F(7.0°C)  | 24814              | 24318              | 24196              | 23516              | 23305              | 2.50               | 2.52               | 2.53               | 2.53               | 2.54               |
|               | 47°F(8.3°C)    | 25349              | 24842              | 24718              | 24023              | 23807              | 2.41               | 2.43               | 2.43               | 2.44               | 2.45               |
|               | 52°F(11.1°C)   | 25376              | 24869              | 24744              | 24049              | 23833              | 2.21               | 2.23               | 2.23               | 2.24               | 2.25               |
|               | 57°F(13.9°C)   | 25404              | 24896              | 24771              | 24075              | 23859              | 2.01               | 2.03               | 2.03               | 2.04               | 2.05               |
|               | 59°F(15.0°C)   | 25415              | 24907              | 24782              | 24086              | 23869              | 1.93               | 1.95               | 1.95               | 1.96               | 1.96               |
|               | 62°F(16.7°C)   | 25431              | 24923              | 24798              | 24101              | 23885              | 1.81               | 1.83               | 1.83               | 1.84               | 1.84               |
|               | 64.4°F(18.0°C) | 25442              | 24934              | 24809              | 24112              | 23895              | 1.73               | 1.75               | 1.75               | 1.76               | 1.76               |
| 735           | -22°F(-30.0°C) | 10503              | 10293              | 10241              | 10200              | 10109              | 2.47               | 2.49               | 2.49               | 2.50               | 2.51               |
|               | -13°F(-25.0°C) | 14208              | 13924              | 13854              | 13799              | 13674              | 2.66               | 2.68               | 2.68               | 2.69               | 2.70               |
|               | -4°F(-20.0°C)  | 17602              | 17250              | 17164              | 17095              | 16941              | 2.84               | 2.86               | 2.87               | 2.87               | 2.89               |
|               | 0°F(-17.8°C)   | 19759              | 19364              | 19267              | 19190              | 19018              | 2.96               | 2.98               | 2.99               | 3.00               | 3.01               |
|               | 5°F(-15.0°C)   | 22456              | 22007              | 21897              | 21809              | 21613              | 3.11               | 3.14               | 3.14               | 3.15               | 3.16               |
|               | 14°F(-10.0°C)  | 22160              | 21717              | 21608              | 21522              | 21328              | 2.87               | 2.89               | 2.90               | 2.90               | 2.91               |
|               | 17°F(-8.3°C)   | 22062              | 21620              | 21512              | 21426              | 21233              | 2.79               | 2.81               | 2.81               | 2.82               | 2.83               |
|               | 22°F(-5.6°C)   | 23198              | 22734              | 22620              | 22530              | 22327              | 2.79               | 2.82               | 2.82               | 2.83               | 2.84               |
|               | 27°F(-2.8°C)   | 24334              | 23847              | 23728              | 23633              | 23420              | 2.80               | 2.82               | 2.83               | 2.83               | 2.85               |
|               | 32°F(-0.0°C)   | 25470              | 24961              | 24836              | 24736              | 24514              | 2.81               | 2.83               | 2.84               | 2.84               | 2.85               |
|               | 35°F(1.7°C)    | 26152              | 25629              | 25500              | 25398              | 25170              | 2.81               | 2.83               | 2.84               | 2.85               | 2.86               |
|               | 37°F(2.8°C)    | 26553              | 26022              | 25892              | 25789              | 25556              | 2.75               | 2.77               | 2.78               | 2.78               | 2.79               |
|               | 42°F(5.6°C)    | 27557              | 27006              | 26871              | 26764              | 26523              | 2.59               | 2.61               | 2.62               | 2.62               | 2.63               |
|               | 44.6°F(7.0°C)  | 27959              | 27400              | 27263              | 27154              | 26909              | 2.53               | 2.55               | 2.55               | 2.56               | 2.57               |
|               | 47°F(8.3°C)    | 28562              | 27990              | 27850              | 27739              | 27489              | 2.43               | 2.45               | 2.46               | 2.46               | 2.47               |
|               | 52°F(11.1°C)   | 28593              | 28021              | 27881              | 27769              | 27519              | 2.23               | 2.25               | 2.26               | 2.26               | 2.27               |
|               | 57°F(13.9°C)   | 28624              | 28051              | 27911              | 27799              | 27549              | 2.03               | 2.05               | 2.05               | 2.06               | 2.07               |
|               | 59°F(15.0°C)   | 28636              | 28063              | 27923              | 27811              | 27561              | 1.95               | 1.97               | 1.97               | 1.98               | 1.98               |
|               | 62°F(16.7°C)   | 28655              | 28082              | 27941              | 27829              | 27579              | 1.83               | 1.85               | 1.85               | 1.85               | 1.86               |
|               | 64.4°F(18.0°C) | 28667              | 28094              | 27953              | 27842              | 27591              | 1.75               | 1.77               | 1.77               | 1.77               | 1.78               |

HEATING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 24 (Sheet 2 of 2)

| AIRFLOW (CFM) | OUTDOOR DB(°F) | ID WB(°F)          | 60.8°F(16.0°C)     |                    |                    |                    |                    | 64.4°F(18.0°C)     |                    |                    |                    |
|---------------|----------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|               |                | ID DB(°F)          | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) |
|               |                | 60.8°F<br>(16.0°C) | 68°F<br>(20.0°C)   | 70°F<br>(21.1°C)   | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) | 60.8°F<br>(16.0°C) | 68°F<br>(20.0°C)   | 70°F<br>(21.1°C)   | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) |
| 853           | -22°F(-30.0°C) | 11834              | 11597              | 11539              | 11493              | 11390              | 2.49               | 2.51               | 2.52               | 2.52               | 2.53               |
|               | -13°F(-25.0°C) | 16009              | 15688              | 15610              | 15547              | 15408              | 2.68               | 2.71               | 2.71               | 2.72               | 2.73               |
|               | -4°F(-20.0°C)  | 19833              | 19436              | 19339              | 19262              | 19089              | 2.87               | 2.89               | 2.90               | 2.90               | 2.92               |
|               | 0°F(-17.8°C)   | 22264              | 21819              | 21709              | 21623              | 21428              | 2.99               | 3.01               | 3.02               | 3.03               | 3.04               |
|               | 5°F(-15.0°C)   | 25302              | 24796              | 24672              | 24573              | 24352              | 3.14               | 3.17               | 3.17               | 3.18               | 3.19               |
|               | 14°F(-10.0°C)  | 24969              | 24470              | 24347              | 24250              | 24032              | 2.90               | 2.92               | 2.93               | 2.93               | 2.94               |
|               | 17°F(-8.3°C)   | 24858              | 24361              | 24239              | 24142              | 23925              | 2.81               | 2.84               | 2.84               | 2.85               | 2.86               |
|               | 22°F(-5.6°C)   | 26138              | 25615              | 25487              | 25385              | 25157              | 2.82               | 2.84               | 2.85               | 2.86               | 2.87               |
|               | 27°F(-2.8°C)   | 27418              | 26870              | 26735              | 26628              | 26389              | 2.83               | 2.85               | 2.86               | 2.86               | 2.87               |
|               | 32°F(0.0°C)    | 28698              | 28124              | 27984              | 27872              | 27621              | 2.84               | 2.86               | 2.86               | 2.87               | 2.88               |
|               | 35°F(1.7°C)    | 29466              | 28877              | 28732              | 28618              | 28360              | 2.84               | 2.86               | 2.87               | 2.87               | 2.89               |
|               | 37°F(2.8°C)    | 29919              | 29320              | 29174              | 29057              | 28796              | 2.78               | 2.80               | 2.80               | 2.81               | 2.82               |
|               | 42°F(5.6°C)    | 31050              | 30429              | 30277              | 30156              | 29884              | 2.62               | 2.64               | 2.64               | 2.65               | 2.66               |
|               | 44.6°F(7.0°C)  | 31503              | 30873              | 30718              | 30595              | 30320              | 2.55               | 2.58               | 2.58               | 2.59               | 2.60               |
|               | 47°F(8.3°C)    | 32181              | 31538              | 31380              | 31255              | 30973              | 2.46               | 2.48               | 2.48               | 2.49               | 2.50               |
|               | 52°F(11.1°C)   | 32216              | 31572              | 31414              | 31289              | 31007              | 2.26               | 2.28               | 2.28               | 2.28               | 2.29               |
|               | 57°F(13.9°C)   | 32251              | 31606              | 31448              | 31323              | 31041              | 2.05               | 2.07               | 2.07               | 2.08               | 2.09               |
|               | 59°F(15.0°C)   | 32265              | 31620              | 31462              | 31336              | 31054              | 1.97               | 1.99               | 1.99               | 2.00               | 2.00               |
|               | 62°F(16.7°C)   | 32286              | 31641              | 31483              | 31357              | 31074              | 1.85               | 1.87               | 1.87               | 1.87               | 1.88               |
|               | 64.4°F(18.0°C) | 32300              | 31654              | 31496              | 31370              | 31088              | 1.77               | 1.78               | 1.79               | 1.79               | 1.80               |

**NOTE:** Values in grey are extrapolated based on tested performance.

## HEATING AND COOLING PERFORMANCE

## Low Static Slim Duct (D5FSDA)

Table 43 — Low Static Cooling Performance (6K)

COOLING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 6 (Sheet 1 of 4)

| AIRFLOW<br>(CFM) | OUTDOOR<br>DB(°F)  | ID WB<br>(°F) | 60.8°F (16.0°C) |                    |                     |                    |                    | 64.4°F (18.0°C)    |                    |                    |                    |                    | 67°F (19.4°C)      |                    |                    |                    |                    | 71.6°F (22.0°C)    |                    |                    |                    |                    |
|------------------|--------------------|---------------|-----------------|--------------------|---------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                  |                    |               | ID DB<br>(°F)   | 73.4°F<br>(23.0°C) | 77.0°F2<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) |
| 147              | -22°F<br>(-30.0°C) | TC            | 4906            | 4913               | 4918                | 4918               | 4925               | 5202               | 5208               | 5213               | 5214               | 5220               | 5513               | 5520               | 5526               | 5527               | 5533               | 5845               | 5851               | 5857               | 5858               | 5866               |
|                  |                    | S/T           | 0.28            | 0.33               | 0.38                | 0.38               | 0.43               | 0.30               | 0.35               | 0.40               | 0.40               | 0.46               | 0.32               | 0.38               | 0.43               | 0.43               | 0.49               | 0.34               | 0.40               | 0.45               | 0.45               | 0.52               |
|                  |                    | PI            | 0.34            | 0.34               | 0.34                | 0.34               | 0.34               | 0.36               | 0.36               | 0.36               | 0.36               | 0.36               | 0.38               | 0.38               | 0.38               | 0.38               | 0.38               | 0.40               | 0.40               | 0.40               | 0.40               | 0.40               |
|                  | -13°F<br>(-25.0°C) | TC            | 5315            | 5322               | 5328                | 5328               | 5335               | 5635               | 5642               | 5648               | 5649               | 5655               | 5972               | 5980               | 5986               | 5987               | 5994               | 6332               | 6339               | 6346               | 6347               | 6354               |
|                  |                    | S/T           | 0.29            | 0.34               | 0.38                | 0.38               | 0.44               | 0.30               | 0.36               | 0.40               | 0.41               | 0.46               | 0.32               | 0.38               | 0.43               | 0.43               | 0.49               | 0.34               | 0.40               | 0.46               | 0.46               | 0.52               |
|                  |                    | PI            | 0.36            | 0.36               | 0.36                | 0.36               | 0.37               | 0.39               | 0.39               | 0.39               | 0.39               | 0.39               | 0.41               | 0.41               | 0.41               | 0.41               | 0.41               | 0.43               | 0.43               | 0.43               | 0.43               | 0.44               |
|                  | -4°F<br>(-20.0°C)  | TC            | 5724            | 5731               | 5738                | 5738               | 5746               | 6069               | 6076               | 6082               | 6083               | 6090               | 6431               | 6440               | 6447               | 6448               | 6455               | 6819               | 6826               | 6834               | 6835               | 6843               |
|                  |                    | S/T           | 0.29            | 0.34               | 0.38                | 0.38               | 0.44               | 0.31               | 0.36               | 0.41               | 0.41               | 0.46               | 0.32               | 0.38               | 0.43               | 0.43               | 0.49               | 0.34               | 0.40               | 0.46               | 0.46               | 0.52               |
|                  |                    | PI            | 0.39            | 0.39               | 0.39                | 0.39               | 0.39               | 0.39               | 0.42               | 0.42               | 0.42               | 0.42               | 0.44               | 0.44               | 0.44               | 0.44               | 0.44               | 0.47               | 0.47               | 0.47               | 0.47               | 0.47               |
|                  | 0°F<br>(-17.8°C)   | TC            | 5906            | 5913               | 5920                | 5920               | 5928               | 6261               | 6269               | 6275               | 6276               | 6284               | 6635               | 6644               | 6652               | 6653               | 6660               | 7035               | 7043               | 7051               | 7052               | 7060               |
|                  |                    | S/T           | 0.29            | 0.34               | 0.39                | 0.39               | 0.44               | 0.31               | 0.36               | 0.41               | 0.41               | 0.47               | 0.32               | 0.38               | 0.43               | 0.43               | 0.49               | 0.34               | 0.40               | 0.46               | 0.46               | 0.52               |
|                  |                    | PI            | 0.40            | 0.40               | 0.41                | 0.41               | 0.41               | 0.43               | 0.43               | 0.43               | 0.43               | 0.43               | 0.45               | 0.45               | 0.46               | 0.46               | 0.46               | 0.48               | 0.48               | 0.48               | 0.48               | 0.48               |
|                  | 5°F<br>(-15.0°C)   | TC            | 6133            | 6141               | 6147                | 6148               | 6156               | 6502               | 6510               | 6516               | 6518               | 6525               | 6891               | 6900               | 6907               | 6909               | 6916               | 7306               | 7314               | 7322               | 7323               | 7332               |
|                  |                    | S/T           | 0.29            | 0.34               | 0.39                | 0.39               | 0.44               | 0.31               | 0.36               | 0.41               | 0.41               | 0.47               | 0.33               | 0.38               | 0.44               | 0.44               | 0.50               | 0.35               | 0.41               | 0.46               | 0.46               | 0.53               |
|                  |                    | PI            | 0.42            | 0.42               | 0.42                | 0.42               | 0.42               | 0.45               | 0.45               | 0.45               | 0.45               | 0.45               | 0.47               | 0.47               | 0.47               | 0.47               | 0.47               | 0.50               | 0.50               | 0.50               | 0.50               | 0.50               |
|                  | 14°F<br>(-10.0°C)  | TC            | 6417            | 6425               | 6432                | 6432               | 6441               | 6803               | 6811               | 6818               | 6819               | 6827               | 7210               | 7219               | 7227               | 7228               | 7237               | 7644               | 7652               | 7661               | 7662               | 7671               |
|                  |                    | S/T           | 0.29            | 0.34               | 0.39                | 0.39               | 0.44               | 0.31               | 0.36               | 0.41               | 0.41               | 0.47               | 0.33               | 0.38               | 0.44               | 0.44               | 0.50               | 0.35               | 0.41               | 0.46               | 0.46               | 0.53               |
|                  |                    | PI            | 0.42            | 0.42               | 0.42                | 0.42               | 0.42               | 0.44               | 0.45               | 0.45               | 0.45               | 0.45               | 0.47               | 0.47               | 0.47               | 0.47               | 0.47               | 0.50               | 0.50               | 0.50               | 0.50               | 0.50               |
|                  | 17°F<br>(-8.3°C)   | TC            | 6511            | 6520               | 6527                | 6527               | 6536               | 6904               | 6912               | 6919               | 6920               | 6928               | 7316               | 7326               | 7334               | 7335               | 7343               | 7757               | 7765               | 7774               | 7775               | 7785               |
|                  |                    | S/T           | 0.29            | 0.34               | 0.39                | 0.39               | 0.44               | 0.31               | 0.36               | 0.41               | 0.41               | 0.47               | 0.33               | 0.38               | 0.44               | 0.44               | 0.50               | 0.35               | 0.41               | 0.46               | 0.46               | 0.53               |
|                  |                    | PI            | 0.42            | 0.42               | 0.42                | 0.42               | 0.42               | 0.44               | 0.45               | 0.45               | 0.45               | 0.45               | 0.47               | 0.47               | 0.47               | 0.47               | 0.47               | 0.50               | 0.50               | 0.50               | 0.50               | 0.50               |
|                  | 23°F<br>(-5.0°C)   | TC            | 6661            | 6670               | 6677                | 6677               | 6686               | 7062               | 7071               | 7078               | 7079               | 7087               | 7484               | 7494               | 7502               | 7504               | 7512               | 7935               | 7944               | 7952               | 7954               | 7964               |
|                  |                    | S/T           | 0.29            | 0.34               | 0.39                | 0.39               | 0.45               | 0.31               | 0.36               | 0.41               | 0.41               | 0.47               | 0.33               | 0.39               | 0.44               | 0.44               | 0.50               | 0.35               | 0.41               | 0.47               | 0.47               | 0.53               |
|                  |                    | PI            | 0.43            | 0.43               | 0.43                | 0.43               | 0.43               | 0.45               | 0.45               | 0.45               | 0.45               | 0.45               | 0.48               | 0.48               | 0.48               | 0.48               | 0.48               | 0.51               | 0.51               | 0.51               | 0.51               | 0.51               |
|                  | 35°F<br>(1.7°C)    | TC            | 6960            | 6970               | 6977                | 6978               | 6987               | 7380               | 7389               | 7396               | 7397               | 7406               | 7821               | 7831               | 7840               | 7841               | 7850               | 8292               | 8301               | 8310               | 8311               | 8322               |
|                  |                    | S/T           | 0.29            | 0.35               | 0.39                | 0.39               | 0.45               | 0.31               | 0.37               | 0.42               | 0.42               | 0.48               | 0.33               | 0.39               | 0.44               | 0.44               | 0.50               | 0.35               | 0.41               | 0.47               | 0.47               | 0.53               |
|                  |                    | PI            | 0.44            | 0.44               | 0.44                | 0.44               | 0.44               | 0.47               | 0.47               | 0.47               | 0.47               | 0.47               | 0.50               | 0.50               | 0.50               | 0.50               | 0.50               | 0.52               | 0.53               | 0.53               | 0.53               | 0.53               |
|                  | 41°F<br>(5.0°C)    | TC            | 6423            | 6432               | 6439                | 6439               | 6448               | 6810               | 6818               | 6825               | 6827               | 6835               | 7217               | 7227               | 7235               | 7236               | 7244               | 7652               | 7660               | 7669               | 7670               | 7680               |
|                  |                    | S/T           | 0.30            | 0.35               | 0.39                | 0.39               | 0.45               | 0.31               | 0.37               | 0.42               | 0.42               | 0.48               | 0.33               | 0.39               | 0.44               | 0.44               | 0.50               | 0.35               | 0.41               | 0.47               | 0.47               | 0.53               |
|                  |                    | PI            | 0.34            | 0.34               | 0.34                | 0.34               | 0.34               | 0.36               | 0.36               | 0.36               | 0.36               | 0.36               | 0.39               | 0.39               | 0.39               | 0.39               | 0.39               | 0.41               | 0.41               | 0.41               | 0.41               | 0.41               |
|                  | 47°F<br>(8.3°C)    | TC            | 5886            | 5894               | 5901                | 5901               | 5909               | 6241               | 6248               | 6255               | 6256               | 6263               | 6614               | 6623               | 6630               | 6631               | 6639               | 7012               | 7020               | 7028               | 7029               | 7038               |
|                  |                    | S/T           | 0.30            | 0.35               | 0.40                | 0.40               | 0.45               | 0.31               | 0.37               | 0.42               | 0.42               | 0.48               | 0.33               | 0.39               | 0.44               | 0.44               | 0.51               | 0.35               | 0.41               | 0.47               | 0.47               | 0.54               |
|                  |                    | PI            | 0.24            | 0.25               | 0.25                | 0.25               | 0.25               | 0.26               | 0.26               | 0.26               | 0.26               | 0.26               | 0.27               | 0.28               | 0.28               | 0.28               | 0.28               | 0.29               | 0.29               | 0.29               | 0.29               | 0.29               |
|                  | 50°F<br>(10.0°C)   | TC            | 5964            | 5972               | 5979                | 5979               | 5987               | 6324               | 6331               | 6337               | 6339               | 6346               | 6701               | 6710               | 6718               | 6719               | 6726               | 7105               | 7113               | 7121               | 7122               | 7131               |
|                  |                    | S/T           | 0.30            | 0.35               | 0.40                | 0.40               | 0.45               | 0.32               | 0.37               | 0.42               | 0.42               | 0.48               | 0.33               | 0.39               | 0.45               | 0.45               | 0.51               | 0.35               | 0.42               | 0.47               | 0.47               | 0.54               |
|                  |                    | PI            | 0.25            | 0.25               | 0.25                | 0.25               | 0.25               | 0.27               | 0.27               | 0.27               | 0.27               | 0.27               | 0.28               | 0.28               | 0.28               | 0.28               | 0.28               | 0.30               | 0.30               | 0.30               | 0.30               | 0.30               |
|                  | 59°F<br>(15.0°C)   | TC            | 6198            | 6206               | 6213                | 6213               | 6222               | 6571               | 6579               | 6586               | 6587               | 6595               | 6964               | 6973               | 6981               | 6982               | 6990               | 7384               | 7392               | 7400               | 7401               | 7410               |
|                  |                    | S/T           | 0.30            | 0.35               | 0.40                | 0.40               | 0.45               | 0.32               | 0.37               | 0.42               | 0.42               | 0.48               | 0.34               | 0.39               | 0.45               | 0.45               | 0.51               | 0.36               | 0.42               | 0.48               | 0.48               | 0.54               |
|                  |                    | PI            | 0.27            | 0.27               | 0.27                | 0.27               | 0.27               | 0.29               | 0.29               | 0.29               | 0.29               | 0.29               | 0.30               | 0.31               | 0.31               | 0.31               | 0.31               | 0.32               | 0.32               | 0.32               | 0.32               | 0.32               |
|                  | 68°F<br>(20.0°C)   | TC            | 6432            | 6440               | 6447                | 6448               | 6456               | 6819               | 6827               | 6834               | 6835               | 6844               | 7227               | 7236               | 7244               | 7245               | 7254               | 7662               | 7670               | 7679               | 7680               | 7690               |
|                  |                    | S/T           | 0.31            | 0.36               | 0.41                | 0.41               | 0.47               | 0.33               | 0.38               | 0.43               | 0.43               | 0.50               | 0.35               | 0.41               | 0.46               | 0.46               | 0.52               | 0.37               | 0.43               | 0.49               | 0.49               | 0.56               |
|                  |                    | PI            | 0.29            | 0.29               | 0.29                | 0.29               | 0.29               | 0.31               | 0.31               | 0.31               | 0.31               | 0.31               | 0.33               | 0.33               | 0.33               | 0.33               | 0.33               | 0.35               | 0.35               | 0.35               | 0.35               | 0.35               |
|                  | 77°F<br>(25.0°C)   | TC            | 6665            | 6674               | 6682                | 6682               | 6691               | 7067               | 7075               | 7082               | 7084               | 7092               | 7489               | 7499               | 7507               | 7509               | 7517               | 7940               | 7949               | 7958               | 7959               | 7969               |
|                  |                    | S/T           | 0.31            | 0.37               | 0.42                | 0.42               | 0.47               | 0.33               | 0.39               | 0.44               | 0.44               | 0.50               | 0.35               | 0.41               | 0.47               | 0.47               | 0.53               | 0.37               | 0.44               | 0.49               | 0.49               | 0.56               |
|                  |                    | PI            | 0.31            | 0.31               | 0.31                | 0.31               | 0.31               | 0.33               | 0.33               | 0.33               | 0.33               | 0.33               | 0.35               | 0.35               | 0.35               | 0.35               | 0.35               | 0.37               | 0.37               | 0.37               | 0.37               | 0.37               |
|                  | 82°F<br>(27.8°C)   | TC            | 6685            | 6694               | 6701                | 6702               | 6711               | 7088               | 7096               | 7103               | 7105               | 7113               | 7511               | 7521               | 7530               | 7531               | 7539               | 7964               | 7973               | 7981               | 7983               | 7993               |
|                  |                    | S/T           | 0.32            | 0.37               | 0.42                | 0.42               | 0.48               | 0.33               | 0.39               | 0.45               | 0.45               | 0.51               | 0.35               | 0.42               | 0.47               | 0.47               | 0.54               | 0.38               | 0.44               | 0.50               | 0.50               | 0.57               |
|                  |                    | PI            | 0.34            | 0.34               | 0.34                | 0.34               | 0.35               | 0.36               | 0.36               | 0.37               | 0.37               | 0.37               | 0.39               | 0.39               | 0.39               | 0.39               | 0.39               | 0.41               | 0.41               | 0.41               | 0.41               | 0.41               |
|                  | 86°F<br>(30.0°C)   | TC            | 6562            | 6571               | 6578                | 6578               | 6587               | 6957               | 6966               | 6972               | 6974               | 6982               | 7373               | 7383               | 7391               | 7392               | 7400               | 7817               | 7826               | 7834               | 7835               | 7845               |
|                  |                    | S/T           | 0.32            | 0.37               | 0.43                | 0.43               | 0.49               | 0.34               | 0.40               | 0.45               | 0.45               | 0.51               | 0.36               | 0.42               | 0.48               | 0.48               | 0.55               | 0.38               | 0.45               | 0.51               | 0.51               | 0.58               |
|                  |                    | PI            | 0.40            | 0.40               | 0.40                | 0.40               | 0.40               | 0.42               | 0.42               | 0.42               | 0.42               | 0.42               | 0.45               | 0.45               | 0.45               | 0.45               | 0.45               | 0.47               | 0.47               | 0.48               | 0.48               | 0.48               |
|                  | 95°F<br>(35.0°C)   | TC            | 6285            | 6293               | 6300                | 6300               | 6309               | 6664               | 6671               | 6678               | 6679               | 6687               | 7062               | 7071               | 7079               | 7080               | 7088               | 7487               | 7495               | 7503               | 7505               | 7514               |
|                  |                    | S/T           | 0.32            | 0.37               | 0.43                | 0.43               | 0.49               | 0.34               | 0.40               | 0.45               | 0.45               | 0.51               | 0.36               | 0.42               | 0.48               | 0.48               | 0.55               | 0.38               | 0.45               | 0.51               | 0.51               | 0.58               |
| PI               |                    | 0.52          | 0.52            | 0.52               | 0.52                | 0.5                |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |

COOLING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 6 (Sheet 2 of 4)

| AIRFLOW<br>(CFM) | OUTDOOR<br>DB(°F)  | ID WB<br>(°F) | 60.8°F (16.0°C)    |                    |                    |                    |                    | 64.4°F (18.0°C)    |                    |                    |                    |                    | 67°F (19.4°C)      |                    |                    |                    |                    | 71.6°F (22.0°C)    |                    |                    |                    |                    |
|------------------|--------------------|---------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                  |                    | ID DB<br>(°F) | 73.4°F<br>(23.0°C) | 77.0°F2<br>(5.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) |
| 206              | -22°F<br>(-30.0°C) | TC            | 5824               | 5832               | 5838               | 5838               | 5846               | 6175               | 6182               | 6188               | 6189               | 6197               | 6544               | 6552               | 6559               | 6561               | 6568               | 6938               | 6945               | 6953               | 6954               | 6963               |
|                  |                    | S/T           | 0.34               | 0.40               | 0.45               | 0.45               | 0.51               | 0.36               | 0.42               | 0.48               | 0.48               | 0.54               | 0.38               | 0.45               | 0.51               | 0.51               | 0.58               | 0.40               | 0.47               | 0.54               | 0.54               | 0.61               |
|                  |                    | PI            | 0.40               | 0.40               | 0.40               | 0.40               | 0.40               | 0.42               | 0.42               | 0.42               | 0.42               | 0.42               | 0.45               | 0.45               | 0.45               | 0.45               | 0.45               | 0.48               | 0.48               | 0.48               | 0.48               | 0.48               |
|                  | -13°F<br>(-25.0°C) | TC            | 6309               | 6317               | 6324               | 6325               | 6333               | 6689               | 6697               | 6704               | 6705               | 6713               | 7089               | 7098               | 7106               | 7107               | 7115               | 7516               | 7524               | 7532               | 7534               | 7543               |
|                  |                    | S/T           | 0.34               | 0.40               | 0.45               | 0.45               | 0.52               | 0.36               | 0.42               | 0.48               | 0.48               | 0.55               | 0.38               | 0.45               | 0.51               | 0.51               | 0.58               | 0.41               | 0.48               | 0.54               | 0.54               | 0.62               |
|                  |                    | PI            | 0.43               | 0.43               | 0.43               | 0.43               | 0.43               | 0.46               | 0.46               | 0.46               | 0.46               | 0.46               | 0.49               | 0.49               | 0.49               | 0.49               | 0.49               | 0.51               | 0.52               | 0.52               | 0.52               | 0.52               |
|                  | -4°F<br>(-20.0°C)  | TC            | 6794               | 6803               | 6811               | 6811               | 6820               | 7204               | 7212               | 7219               | 7221               | 7229               | 7634               | 7644               | 7653               | 7654               | 7663               | 8094               | 8103               | 8112               | 8113               | 8123               |
|                  |                    | S/T           | 0.34               | 0.40               | 0.46               | 0.46               | 0.52               | 0.36               | 0.43               | 0.48               | 0.48               | 0.55               | 0.38               | 0.45               | 0.51               | 0.51               | 0.58               | 0.41               | 0.48               | 0.54               | 0.54               | 0.62               |
|                  |                    | PI            | 0.47               | 0.47               | 0.47               | 0.47               | 0.47               | 0.49               | 0.49               | 0.49               | 0.49               | 0.49               | 0.52               | 0.52               | 0.52               | 0.52               | 0.52               | 0.55               | 0.55               | 0.56               | 0.56               | 0.56               |
|                  | 0°F<br>(-17.8°C)   | TC            | 7010               | 7019               | 7027               | 7027               | 7037               | 7432               | 7441               | 7449               | 7450               | 7459               | 7877               | 7887               | 7896               | 7897               | 7906               | 8351               | 8360               | 8369               | 8371               | 8381               |
|                  |                    | S/T           | 0.34               | 0.40               | 0.46               | 0.46               | 0.52               | 0.36               | 0.43               | 0.48               | 0.48               | 0.55               | 0.39               | 0.45               | 0.51               | 0.51               | 0.59               | 0.41               | 0.48               | 0.54               | 0.54               | 0.62               |
|                  |                    | PI            | 0.48               | 0.48               | 0.48               | 0.48               | 0.48               | 0.51               | 0.51               | 0.51               | 0.51               | 0.51               | 0.54               | 0.54               | 0.54               | 0.54               | 0.54               | 0.57               | 0.57               | 0.57               | 0.57               | 0.57               |
|                  | 5°F<br>(-15.0°C)   | TC            | 7280               | 7289               | 7297               | 7298               | 7307               | 7718               | 7727               | 7735               | 7737               | 7746               | 8179               | 8190               | 8199               | 8201               | 8210               | 8672               | 8682               | 8691               | 8693               | 8703               |
|                  |                    | S/T           | 0.34               | 0.40               | 0.46               | 0.46               | 0.52               | 0.37               | 0.43               | 0.49               | 0.49               | 0.56               | 0.39               | 0.45               | 0.52               | 0.52               | 0.59               | 0.41               | 0.48               | 0.55               | 0.55               | 0.62               |
|                  |                    | PI            | 0.50               | 0.50               | 0.50               | 0.50               | 0.50               | 0.53               | 0.53               | 0.53               | 0.53               | 0.53               | 0.56               | 0.56               | 0.56               | 0.56               | 0.56               | 0.59               | 0.59               | 0.60               | 0.60               | 0.60               |
|                  | 14°F<br>(-10.0°C)  | TC            | 7617               | 7627               | 7635               | 7635               | 7646               | 8076               | 8085               | 8093               | 8095               | 8104               | 8558               | 8569               | 8579               | 8580               | 8590               | 9074               | 9084               | 9094               | 9095               | 9106               |
|                  |                    | S/T           | 0.35               | 0.41               | 0.46               | 0.46               | 0.53               | 0.37               | 0.43               | 0.49               | 0.49               | 0.56               | 0.39               | 0.46               | 0.52               | 0.52               | 0.59               | 0.41               | 0.48               | 0.55               | 0.55               | 0.63               |
|                  |                    | PI            | 0.50               | 0.50               | 0.50               | 0.50               | 0.50               | 0.53               | 0.53               | 0.53               | 0.53               | 0.53               | 0.56               | 0.56               | 0.56               | 0.56               | 0.56               | 0.59               | 0.59               | 0.59               | 0.59               | 0.60               |
|                  | 17°F<br>(-8.3°C)   | TC            | 7729               | 7739               | 7748               | 7748               | 7758               | 8195               | 8204               | 8213               | 8214               | 8224               | 8684               | 8696               | 8705               | 8707               | 8717               | 9208               | 9218               | 9228               | 9229               | 9241               |
|                  |                    | S/T           | 0.35               | 0.41               | 0.46               | 0.46               | 0.53               | 0.37               | 0.43               | 0.49               | 0.49               | 0.56               | 0.39               | 0.46               | 0.52               | 0.52               | 0.59               | 0.41               | 0.48               | 0.55               | 0.55               | 0.63               |
|                  |                    | PI            | 0.50               | 0.50               | 0.50               | 0.50               | 0.50               | 0.53               | 0.53               | 0.53               | 0.53               | 0.53               | 0.56               | 0.56               | 0.56               | 0.56               | 0.56               | 0.59               | 0.59               | 0.59               | 0.59               | 0.60               |
|                  | 23°F<br>(-5.0°C)   | TC            | 7907               | 7917               | 7926               | 7926               | 7937               | 8383               | 8393               | 8401               | 8403               | 8413               | 8884               | 8896               | 8905               | 8907               | 8917               | 9419               | 9430               | 9440               | 9441               | 9453               |
|                  |                    | S/T           | 0.35               | 0.41               | 0.46               | 0.46               | 0.53               | 0.37               | 0.43               | 0.49               | 0.49               | 0.56               | 0.39               | 0.46               | 0.52               | 0.52               | 0.59               | 0.41               | 0.49               | 0.55               | 0.55               | 0.63               |
|                  |                    | PI            | 0.51               | 0.51               | 0.51               | 0.51               | 0.51               | 0.54               | 0.54               | 0.54               | 0.54               | 0.54               | 0.57               | 0.57               | 0.57               | 0.57               | 0.57               | 0.60               | 0.60               | 0.60               | 0.60               | 0.61               |
|                  | 35°F<br>(1.7°C)    | TC            | 8262               | 8273               | 8282               | 8283               | 8294               | 8760               | 8770               | 8779               | 8781               | 8791               | 9283               | 9295               | 9306               | 9308               | 9318               | 9843               | 9853               | 9864               | 9866               | 9878               |
|                  |                    | S/T           | 0.35               | 0.41               | 0.47               | 0.47               | 0.53               | 0.37               | 0.44               | 0.49               | 0.49               | 0.56               | 0.39               | 0.46               | 0.52               | 0.52               | 0.60               | 0.42               | 0.49               | 0.56               | 0.56               | 0.63               |
|                  |                    | PI            | 0.52               | 0.52               | 0.52               | 0.52               | 0.52               | 0.55               | 0.56               | 0.56               | 0.56               | 0.56               | 0.59               | 0.59               | 0.59               | 0.59               | 0.59               | 0.62               | 0.62               | 0.62               | 0.62               | 0.63               |
|                  | 41°F<br>(5.0°C)    | TC            | 7625               | 7635               | 7643               | 7644               | 7654               | 8084               | 8094               | 8102               | 8103               | 8113               | 8567               | 8578               | 8588               | 8589               | 8599               | 9083               | 9093               | 9103               | 9105               | 9116               |
|                  |                    | S/T           | 0.35               | 0.41               | 0.47               | 0.47               | 0.53               | 0.37               | 0.44               | 0.50               | 0.50               | 0.57               | 0.39               | 0.46               | 0.53               | 0.53               | 0.60               | 0.42               | 0.49               | 0.56               | 0.56               | 0.63               |
|                  |                    | PI            | 0.41               | 0.41               | 0.41               | 0.41               | 0.41               | 0.43               | 0.43               | 0.43               | 0.43               | 0.43               | 0.46               | 0.46               | 0.46               | 0.46               | 0.46               | 0.48               | 0.49               | 0.49               | 0.49               | 0.49               |
|                  | 47°F<br>(8.3°C)    | TC            | 6987               | 6997               | 7004               | 7004               | 7014               | 7408               | 7417               | 7424               | 7426               | 7435               | 7851               | 7861               | 7870               | 7871               | 7880               | 8324               | 8333               | 8342               | 8343               | 8354               |
|                  |                    | S/T           | 0.35               | 0.41               | 0.47               | 0.47               | 0.53               | 0.37               | 0.44               | 0.50               | 0.50               | 0.57               | 0.40               | 0.46               | 0.53               | 0.53               | 0.60               | 0.42               | 0.49               | 0.56               | 0.56               | 0.64               |
|                  |                    | PI            | 0.29               | 0.29               | 0.29               | 0.29               | 0.29               | 0.31               | 0.31               | 0.31               | 0.31               | 0.31               | 0.33               | 0.33               | 0.33               | 0.33               | 0.33               | 0.35               | 0.35               | 0.35               | 0.35               | 0.35               |
|                  | 50°F<br>(10.0°C)   | TC            | 7080               | 7089               | 7097               | 7097               | 7107               | 7506               | 7515               | 7523               | 7524               | 7533               | 7955               | 7965               | 7974               | 7976               | 7984               | 8434               | 8443               | 8452               | 8454               | 8464               |
|                  |                    | S/T           | 0.35               | 0.41               | 0.47               | 0.47               | 0.54               | 0.37               | 0.44               | 0.50               | 0.50               | 0.57               | 0.40               | 0.47               | 0.53               | 0.53               | 0.60               | 0.42               | 0.49               | 0.56               | 0.56               | 0.64               |
|                  |                    | PI            | 0.30               | 0.30               | 0.30               | 0.30               | 0.30               | 0.32               | 0.32               | 0.32               | 0.32               | 0.32               | 0.34               | 0.34               | 0.34               | 0.34               | 0.34               | 0.36               | 0.36               | 0.36               | 0.36               | 0.36               |
|                  | 59°F<br>(15.0°C)   | TC            | 7357               | 7367               | 7375               | 7375               | 7385               | 7801               | 7810               | 7817               | 7819               | 7828               | 8267               | 8277               | 8287               | 8288               | 8297               | 8765               | 8774               | 8784               | 8785               | 8796               |
|                  |                    | S/T           | 0.36               | 0.42               | 0.47               | 0.47               | 0.54               | 0.38               | 0.44               | 0.50               | 0.50               | 0.57               | 0.40               | 0.47               | 0.53               | 0.53               | 0.61               | 0.42               | 0.50               | 0.56               | 0.56               | 0.64               |
|                  |                    | PI            | 0.32               | 0.32               | 0.32               | 0.32               | 0.32               | 0.34               | 0.34               | 0.34               | 0.34               | 0.34               | 0.36               | 0.36               | 0.36               | 0.36               | 0.36               | 0.38               | 0.38               | 0.38               | 0.38               | 0.38               |
|                  | 68°F<br>(20.0°C)   | TC            | 7635               | 7645               | 7653               | 7653               | 7664               | 8095               | 8104               | 8112               | 8114               | 8123               | 8578               | 8589               | 8599               | 8601               | 8610               | 9095               | 9105               | 9115               | 9116               | 9128               |
|                  |                    | S/T           | 0.36               | 0.43               | 0.49               | 0.49               | 0.55               | 0.39               | 0.45               | 0.52               | 0.52               | 0.59               | 0.41               | 0.48               | 0.55               | 0.55               | 0.62               | 0.43               | 0.51               | 0.58               | 0.58               | 0.66               |
|                  |                    | PI            | 0.35               | 0.35               | 0.35               | 0.35               | 0.35               | 0.37               | 0.37               | 0.37               | 0.37               | 0.37               | 0.39               | 0.39               | 0.39               | 0.39               | 0.39               | 0.41               | 0.41               | 0.41               | 0.41               | 0.41               |
|                  | 77°F<br>(25.0°C)   | TC            | 7912               | 7923               | 7931               | 7932               | 7942               | 8389               | 8399               | 8407               | 8409               | 8419               | 8890               | 8902               | 8911               | 8913               | 8923               | 9426               | 9436               | 9446               | 9448               | 9459               |
|                  |                    | S/T           | 0.37               | 0.43               | 0.49               | 0.49               | 0.56               | 0.39               | 0.46               | 0.52               | 0.52               | 0.60               | 0.42               | 0.49               | 0.55               | 0.55               | 0.63               | 0.44               | 0.52               | 0.59               | 0.59               | 0.67               |
|                  |                    | PI            | 0.37               | 0.37               | 0.37               | 0.37               | 0.37               | 0.39               | 0.39               | 0.39               | 0.39               | 0.39               | 0.41               | 0.41               | 0.42               | 0.42               | 0.42               | 0.44               | 0.44               | 0.44               | 0.44               | 0.44               |
|                  | 82°F<br>(27.8°C)   | TC            | 7935               | 7946               | 7955               | 7955               | 7966               | 8414               | 8424               | 8432               | 8434               | 8444               | 8916               | 8928               | 8938               | 8939               | 8949               | 9454               | 9464               | 9474               | 9476               | 9487               |
|                  |                    | S/T           | 0.37               | 0.44               | 0.50               | 0.50               | 0.57               | 0.40               | 0.47               | 0.53               | 0.53               | 0.60               | 0.42               | 0.49               | 0.56               | 0.56               | 0.64               | 0.45               | 0.52               | 0.59               | 0.59               | 0.68               |
|                  |                    | PI            | 0.41               | 0.41               | 0.41               | 0.41               | 0.41               | 0.43               | 0.43               | 0.43               | 0.43               | 0.43               | 0.46               | 0.46               | 0.46               | 0.46               | 0.46               | 0.49               | 0.49               | 0.49               | 0.49               | 0.49               |
|                  | 86°F<br>(30.0°C)   | TC            | 7789               | 7800               | 7808               | 7808               | 7819               | 8259               | 8268               | 8277               | 8278               | 8288               | 8752               | 8763               | 8773               | 8775               | 8785               | 9279               | 9289               | 9300               | 9301               | 9313               |
|                  |                    | S/T           | 0.38               | 0.44               | 0.51               | 0.51               | 0.58               | 0.40               | 0.47               | 0.54               | 0.54               | 0.61               | 0.43               | 0.50               | 0.57               | 0.57               | 0.65               | 0.45               | 0.53               | 0.60               | 0.60               | 0.69               |
|                  |                    | PI            | 0.47               | 0.47               | 0.47               | 0.47               | 0.47               | 0.50               | 0.50               | 0.50               | 0.50               | 0.50               | 0.53               | 0.53               | 0.53               | 0.53               | 0.53               | 0.56               | 0.56               | 0.56               | 0.56               | 0.56               |
|                  | 95°F<br>(35.0°C)   | TC            | 7460               | 7470               | 7478               | 7479               | 7489               | 7910               | 7919               | 7927               | 7929               | 7938               | 8382               | 8393               | 8403               | 8404               | 8414               | 8887               | 8897               | 8907               | 8908               | 8919               |
|                  |                    | S/T           | 0.38               | 0.44               | 0.51               | 0.51               | 0.58               | 0.40               | 0.47               | 0.54               | 0.54               | 0.61               | 0.43               | 0.50               | 0.57               | 0.57               |                    |                    |                    |                    |                    |                    |

COOLING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 6 (Sheet 3 of 4)

| AIRFLOW<br>(CFM) | OUTDOOR<br>DB(°F)  | ID WB<br>(°F) | 60.8°F (16.0°C)    |                    |                    |                    |                    | 64.4°F (18.0°C)    |                    |                    |                    |                    | 67°F (19.4°C)      |                    |                    |                    |                    | 71.6°F (22.0°C)    |                    |                    |                    |                    |
|------------------|--------------------|---------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                  |                    | ID DB<br>(°F) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) |
|                  |                    |               |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |
| 265              | -22°F<br>(-30.0°C) | TC            | 6913               | 6922               | 6930               | 6930               | 6939               | 7330               | 7338               | 7345               | 7347               | 7356               | 7767               | 7778               | 7786               | 7788               | 7796               | 8235               | 8244               | 8253               | 8255               | 8265               |
|                  |                    | S/T           | 0.40               | 0.47               | 0.53               | 0.53               | 0.61               | 0.43               | 0.50               | 0.57               | 0.57               | 0.65               | 0.45               | 0.53               | 0.60               | 0.60               | 0.68               | 0.48               | 0.56               | 0.64               | 0.64               | 0.73               |
|                  |                    | PI            | 0.47               | 0.47               | 0.47               | 0.47               | 0.48               | 0.50               | 0.50               | 0.50               | 0.50               | 0.50               | 0.53               | 0.53               | 0.53               | 0.53               | 0.53               | 0.56               | 0.56               | 0.57               | 0.57               | 0.57               |
|                  | -13°F<br>(-25.0°C) | TC            | 7489               | 7499               | 7507               | 7507               | 7518               | 7940               | 7950               | 7958               | 7959               | 7969               | 8415               | 8426               | 8435               | 8437               | 8446               | 8922               | 8931               | 8941               | 8943               | 8954               |
|                  |                    | S/T           | 0.40               | 0.47               | 0.54               | 0.54               | 0.61               | 0.43               | 0.50               | 0.57               | 0.57               | 0.65               | 0.45               | 0.53               | 0.60               | 0.60               | 0.69               | 0.48               | 0.56               | 0.64               | 0.64               | 0.73               |
|                  |                    | PI            | 0.51               | 0.51               | 0.51               | 0.51               | 0.51               | 0.54               | 0.54               | 0.54               | 0.54               | 0.55               | 0.58               | 0.58               | 0.58               | 0.58               | 0.58               | 0.61               | 0.61               | 0.61               | 0.61               | 0.61               |
|                  | -4°F<br>(-20.0°C)  | TC            | 8065               | 8076               | 8085               | 8085               | 8096               | 8551               | 8561               | 8570               | 8571               | 8582               | 9062               | 9074               | 9084               | 9086               | 9096               | 9608               | 9618               | 9629               | 9630               | 9642               |
|                  |                    | S/T           | 0.41               | 0.48               | 0.54               | 0.54               | 0.62               | 0.43               | 0.51               | 0.57               | 0.57               | 0.65               | 0.46               | 0.54               | 0.61               | 0.61               | 0.69               | 0.48               | 0.57               | 0.64               | 0.64               | 0.74               |
|                  |                    | PI            | 0.55               | 0.55               | 0.55               | 0.55               | 0.55               | 0.59               | 0.59               | 0.59               | 0.59               | 0.59               | 0.62               | 0.62               | 0.62               | 0.62               | 0.62               | 0.66               | 0.66               | 0.66               | 0.66               | 0.66               |
|                  | 0°F<br>(-17.8°C)   | TC            | 8321               | 8332               | 8341               | 8342               | 8353               | 8823               | 8833               | 8842               | 8843               | 8854               | 9350               | 9362               | 9372               | 9374               | 9384               | 9913               | 9924               | 9935               | 9936               | 9949               |
|                  |                    | S/T           | 0.41               | 0.48               | 0.54               | 0.54               | 0.62               | 0.43               | 0.51               | 0.58               | 0.58               | 0.66               | 0.46               | 0.54               | 0.61               | 0.61               | 0.70               | 0.48               | 0.57               | 0.65               | 0.65               | 0.74               |
|                  |                    | PI            | 0.57               | 0.57               | 0.57               | 0.57               | 0.57               | 0.60               | 0.60               | 0.61               | 0.61               | 0.61               | 0.64               | 0.64               | 0.64               | 0.64               | 0.64               | 0.68               | 0.68               | 0.68               | 0.68               | 0.68               |
|                  | 5°F<br>(-15.0°C)   | TC            | 8641               | 8653               | 8662               | 8662               | 8674               | 9162               | 9173               | 9182               | 9184               | 9195               | 9709               | 9722               | 9733               | 9735               | 9745               | 10294              | 10305              | 10317              | 10318              | 10331              |
|                  |                    | S/T           | 0.41               | 0.48               | 0.55               | 0.55               | 0.62               | 0.43               | 0.51               | 0.58               | 0.58               | 0.66               | 0.46               | 0.54               | 0.61               | 0.61               | 0.70               | 0.49               | 0.57               | 0.65               | 0.65               | 0.74               |
|                  |                    | PI            | 0.59               | 0.59               | 0.59               | 0.59               | 0.59               | 0.63               | 0.63               | 0.63               | 0.63               | 0.63               | 0.66               | 0.67               | 0.67               | 0.67               | 0.67               | 0.70               | 0.71               | 0.71               | 0.71               | 0.71               |
|                  | 14°F<br>(-10.0°C)  | TC            | 9041               | 9053               | 9063               | 9063               | 9076               | 9586               | 9597               | 9607               | 9609               | 9620               | 10159              | 10172              | 10183              | 10185              | 10197              | 10771              | 10783              | 10794              | 10796              | 10809              |
|                  |                    | S/T           | 0.41               | 0.48               | 0.55               | 0.55               | 0.62               | 0.43               | 0.51               | 0.58               | 0.58               | 0.66               | 0.46               | 0.54               | 0.61               | 0.61               | 0.70               | 0.49               | 0.57               | 0.65               | 0.65               | 0.74               |
|                  |                    | PI            | 0.59               | 0.59               | 0.59               | 0.59               | 0.59               | 0.63               | 0.63               | 0.63               | 0.63               | 0.63               | 0.66               | 0.66               | 0.67               | 0.67               | 0.67               | 0.70               | 0.70               | 0.71               | 0.71               | 0.71               |
|                  | 17°F<br>(-8.3°C)   | TC            | 9175               | 9187               | 9197               | 9197               | 9210               | 9727               | 9739               | 9749               | 9750               | 9762               | 10309              | 10322              | 10333              | 10335              | 10347              | 10930              | 10942              | 10953              | 10955              | 10969              |
|                  |                    | S/T           | 0.41               | 0.48               | 0.55               | 0.55               | 0.63               | 0.44               | 0.51               | 0.58               | 0.58               | 0.66               | 0.46               | 0.54               | 0.62               | 0.62               | 0.70               | 0.49               | 0.57               | 0.65               | 0.65               | 0.74               |
|                  |                    | PI            | 0.59               | 0.59               | 0.59               | 0.59               | 0.59               | 0.63               | 0.63               | 0.63               | 0.63               | 0.63               | 0.66               | 0.66               | 0.67               | 0.67               | 0.67               | 0.70               | 0.70               | 0.71               | 0.71               | 0.71               |
|                  | 23°F<br>(-5.0°C)   | TC            | 9385               | 9398               | 9408               | 9409               | 9421               | 9951               | 9963               | 9973               | 9975               | 9987               | 10546              | 10559              | 10571              | 10573              | 10585              | 11181              | 11193              | 11205              | 11207              | 11221              |
|                  |                    | S/T           | 0.41               | 0.49               | 0.55               | 0.55               | 0.63               | 0.44               | 0.51               | 0.58               | 0.58               | 0.67               | 0.46               | 0.54               | 0.62               | 0.62               | 0.71               | 0.49               | 0.58               | 0.66               | 0.66               | 0.75               |
|                  |                    | PI            | 0.60               | 0.60               | 0.60               | 0.60               | 0.60               | 0.64               | 0.64               | 0.64               | 0.64               | 0.64               | 0.68               | 0.68               | 0.68               | 0.68               | 0.68               | 0.72               | 0.72               | 0.72               | 0.72               | 0.72               |
|                  | 35°F<br>(1.7°C)    | TC            | 9807               | 9821               | 9831               | 9832               | 9845               | 10398              | 10411              | 10421              | 10423              | 10435              | 11020              | 11034              | 11046              | 11048              | 11061              | 11684              | 11696              | 11709              | 11711              | 11726              |
|                  |                    | S/T           | 0.42               | 0.49               | 0.55               | 0.55               | 0.63               | 0.44               | 0.52               | 0.59               | 0.59               | 0.67               | 0.47               | 0.55               | 0.62               | 0.62               | 0.71               | 0.49               | 0.58               | 0.66               | 0.66               | 0.75               |
|                  |                    | PI            | 0.62               | 0.62               | 0.62               | 0.62               | 0.62               | 0.66               | 0.66               | 0.66               | 0.66               | 0.66               | 0.70               | 0.70               | 0.70               | 0.70               | 0.70               | 0.74               | 0.74               | 0.74               | 0.74               | 0.74               |
|                  | 41°F<br>(5.0°C)    | TC            | 9051               | 9063               | 9073               | 9073               | 9085               | 9596               | 9608               | 9617               | 9619               | 9630               | 10169              | 10183              | 10194              | 10196              | 10207              | 10782              | 10794              | 10806              | 10807              | 10821              |
|                  |                    | S/T           | 0.42               | 0.49               | 0.56               | 0.56               | 0.63               | 0.44               | 0.52               | 0.59               | 0.59               | 0.67               | 0.47               | 0.55               | 0.62               | 0.62               | 0.71               | 0.50               | 0.58               | 0.66               | 0.66               | 0.75               |
|                  |                    | PI            | 0.48               | 0.48               | 0.48               | 0.48               | 0.48               | 0.51               | 0.51               | 0.51               | 0.51               | 0.51               | 0.54               | 0.54               | 0.54               | 0.54               | 0.54               | 0.58               | 0.58               | 0.58               | 0.58               | 0.58               |
|                  | 47°F<br>(8.3°C)    | TC            | 8294               | 8305               | 8314               | 8315               | 8326               | 8794               | 8804               | 8813               | 8815               | 8825               | 9319               | 9331               | 9342               | 9344               | 9354               | 9881               | 9892               | 9902               | 9904               | 9916               |
|                  |                    | S/T           | 0.42               | 0.49               | 0.56               | 0.56               | 0.63               | 0.44               | 0.52               | 0.59               | 0.59               | 0.67               | 0.47               | 0.55               | 0.63               | 0.63               | 0.71               | 0.50               | 0.58               | 0.66               | 0.66               | 0.76               |
|                  |                    | PI            | 0.34               | 0.35               | 0.35               | 0.35               | 0.35               | 0.37               | 0.37               | 0.37               | 0.37               | 0.37               | 0.39               | 0.39               | 0.39               | 0.39               | 0.39               | 0.41               | 0.41               | 0.41               | 0.41               | 0.41               |
|                  | 50°F<br>(10.0°C)   | TC            | 8404               | 8415               | 8424               | 8425               | 8436               | 8910               | 8921               | 8930               | 8931               | 8942               | 9443               | 9455               | 9465               | 9467               | 9478               | 10012              | 10022              | 10033              | 10035              | 10047              |
|                  |                    | S/T           | 0.42               | 0.49               | 0.56               | 0.56               | 0.64               | 0.44               | 0.52               | 0.59               | 0.59               | 0.68               | 0.47               | 0.55               | 0.63               | 0.63               | 0.72               | 0.50               | 0.59               | 0.67               | 0.67               | 0.76               |
|                  |                    | PI            | 0.35               | 0.35               | 0.35               | 0.35               | 0.36               | 0.38               | 0.38               | 0.38               | 0.38               | 0.38               | 0.40               | 0.40               | 0.40               | 0.40               | 0.40               | 0.42               | 0.42               | 0.42               | 0.42               | 0.42               |
|                  | 59°F<br>(15.0°C)   | TC            | 8733               | 8745               | 8754               | 8755               | 8767               | 9259               | 9270               | 9280               | 9281               | 9292               | 9813               | 9825               | 9836               | 9838               | 9849               | 10404              | 10415              | 10427              | 10428              | 10441              |
|                  |                    | S/T           | 0.42               | 0.49               | 0.56               | 0.56               | 0.64               | 0.45               | 0.52               | 0.60               | 0.60               | 0.68               | 0.47               | 0.56               | 0.63               | 0.63               | 0.72               | 0.50               | 0.59               | 0.67               | 0.67               | 0.76               |
|                  |                    | PI            | 0.38               | 0.38               | 0.38               | 0.38               | 0.38               | 0.41               | 0.41               | 0.41               | 0.41               | 0.41               | 0.43               | 0.43               | 0.43               | 0.43               | 0.43               | 0.46               | 0.46               | 0.46               | 0.46               | 0.46               |
|                  | 68°F<br>(20.0°C)   | TC            | 9062               | 9075               | 9084               | 9085               | 9097               | 9609               | 9620               | 9629               | 9631               | 9643               | 10183              | 10196              | 10207              | 10209              | 10221              | 10796              | 10808              | 10820              | 10821              | 10835              |
|                  |                    | S/T           | 0.43               | 0.51               | 0.58               | 0.58               | 0.66               | 0.46               | 0.54               | 0.61               | 0.61               | 0.70               | 0.49               | 0.57               | 0.65               | 0.65               | 0.74               | 0.52               | 0.61               | 0.69               | 0.69               | 0.78               |
|                  |                    | PI            | 0.41               | 0.41               | 0.41               | 0.41               | 0.41               | 0.43               | 0.44               | 0.44               | 0.44               | 0.44               | 0.46               | 0.46               | 0.46               | 0.46               | 0.46               | 0.49               | 0.49               | 0.49               | 0.49               | 0.49               |
|                  | 77°F<br>(25.0°C)   | TC            | 9392               | 9404               | 9415               | 9415               | 9428               | 9958               | 9970               | 9979               | 9981               | 9993               | 10553              | 10566              | 10578              | 10580              | 10592              | 11188              | 11201              | 11213              | 11215              | 11229              |
|                  |                    | S/T           | 0.44               | 0.51               | 0.58               | 0.58               | 0.67               | 0.46               | 0.55               | 0.62               | 0.62               | 0.71               | 0.49               | 0.58               | 0.66               | 0.66               | 0.75               | 0.52               | 0.61               | 0.70               | 0.70               | 0.79               |
|                  |                    | PI            | 0.44               | 0.44               | 0.44               | 0.44               | 0.44               | 0.46               | 0.46               | 0.47               | 0.47               | 0.47               | 0.49               | 0.49               | 0.49               | 0.49               | 0.49               | 0.52               | 0.52               | 0.52               | 0.52               | 0.52               |
|                  | 82°F<br>(27.8°C)   | TC            | 9420               | 9432               | 9442               | 9443               | 9456               | 9987               | 9999               | 10009              | 10011              | 10023              | 10584              | 10598              | 10609              | 10611              | 10623              | 11222              | 11234              | 11246              | 11248              | 11262              |
|                  |                    | S/T           | 0.44               | 0.52               | 0.59               | 0.59               | 0.68               | 0.47               | 0.55               | 0.63               | 0.63               | 0.72               | 0.50               | 0.59               | 0.67               | 0.67               | 0.76               | 0.53               | 0.62               | 0.71               | 0.71               | 0.80               |
|                  |                    | PI            | 0.48               | 0.49               | 0.49               | 0.49               | 0.49               | 0.51               | 0.51               | 0.51               | 0.51               | 0.52               | 0.54               | 0.54               | 0.55               | 0.55               | 0.55               | 0.58               | 0.58               | 0.58               | 0.58               | 0.58               |
|                  | 86°F<br>(30.0°C)   | TC            | 9246               | 9258               | 9268               | 9269               | 9281               | 9803               | 9815               | 9825               | 9826               | 9838               | 10389              | 10402              | 10414              | 10416              | 10428              | 11015              | 11027              | 11039              | 11041              | 11054              |
|                  |                    | S/T           | 0.45               | 0.53               | 0.60               | 0.60               | 0.68               | 0.48               | 0.56               | 0.64               | 0.64               | 0.72               | 0.51               | 0.59               | 0.67               | 0.67               | 0.77               | 0.54               | 0.63               | 0.71               | 0.71               | 0.81               |
|                  |                    | PI            | 0.56               | 0.56               | 0.56               | 0.56               | 0.56               | 0.59               | 0.60               | 0.60               | 0.60               | 0.60               | 0.63               | 0.63               | 0.63               | 0.63               | 0.63               | 0.67               | 0.67               | 0.67               | 0.67               | 0.67               |
|                  | 95°F<br>(35.0°C)   | TC            | 8856               | 8867               | 8877               | 8877               | 8889               | 9389               | 9400               | 9410               | 9411               | 9423               | 9950               | 9963               | 9974               | 9976               | 9987               | 10550              | 10561              | 10573              | 10574              | 10587              |
|                  |                    | S/T           | 0.45               | 0.53               | 0.60               | 0.60               | 0.68               | 0.48               | 0.56               | 0.64               | 0.64               | 0.72               | 0.51               | 0.59               | 0.67               | 0.67               | 0.77               | 0.54               | 0.63               | 0.71               | 0.71               | 0.81</             |

COOLING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 6 (Sheet 4 of 4)

| AIRFLOW<br>(CFM) | OUTDOOR<br>DB(°F)  | ID WB<br>(°F) | 60.8°F (16.0°C) |                    |                    |                    |                    | 64.4°F (18.0°C)    |                    |                    |                    |                    | 67°F (19.4°C)      |                    |                    |                    |                    | 71.6°F (22.0°C)    |                    |                    |                    |                    |                    |
|------------------|--------------------|---------------|-----------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                  |                    |               | ID DB<br>(°F)   | 73.4°F<br>(23.0°C) | 77.0°F2<br>(5.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) |
|                  |                    |               |                 | TC                 | S/T                | PI                 | TC                 | S/T                | PI                 | TC                 | S/T                | PI                 | TC                 | S/T                | PI                 | TC                 | S/T                | PI                 | TC                 | S/T                | PI                 | TC                 | S/T                |
| 324              | -22°F<br>(-30.0°C) | TC            | 8206            | 8217               | 8226               | 8226               | 8237               | 8700               | 8711               | 8719               | 8721               | 8731               | 9220               | 9232               | 9242               | 9244               | 9254               | 9776               | 9786               | 9797               | 9798               | 9811               |                    |
|                  |                    | S/T           | 0.48            | 0.56               | 0.63               | 0.63               | 0.72               | 0.50               | 0.59               | 0.67               | 0.67               | 0.77               | 0.53               | 0.63               | 0.71               | 0.71               | 0.81               | 0.57               | 0.67               | 0.76               | 0.76               | 0.86               |                    |
|                  |                    | PI            | 0.56            | 0.56               | 0.56               | 0.56               | 0.56               | 0.60               | 0.60               | 0.60               | 0.60               | 0.60               | 0.63               | 0.63               | 0.63               | 0.63               | 0.63               | 0.67               | 0.67               | 0.67               | 0.67               | 0.67               |                    |
|                  | -13°F<br>(-25.0°C) | TC            | 8890            | 8902               | 8911               | 8912               | 8924               | 9425               | 9437               | 9446               | 9448               | 9459               | 9989               | 10001              | 10013              | 10014              | 10026              | 10590              | 10602              | 10613              | 10615              | 10628              |                    |
|                  |                    | S/T           | 0.48            | 0.56               | 0.64               | 0.64               | 0.73               | 0.51               | 0.60               | 0.68               | 0.68               | 0.77               | 0.54               | 0.63               | 0.72               | 0.72               | 0.82               | 0.57               | 0.67               | 0.76               | 0.76               | 0.87               |                    |
|                  |                    | PI            | 0.61            | 0.61               | 0.61               | 0.61               | 0.61               | 0.65               | 0.65               | 0.65               | 0.65               | 0.65               | 0.68               | 0.68               | 0.69               | 0.69               | 0.69               | 0.73               | 0.73               | 0.73               | 0.73               | 0.73               |                    |
|                  | -4°F<br>(-20.0°C)  | TC            | 9573            | 9586               | 9597               | 9597               | 9610               | 10150              | 10162              | 10172              | 10174              | 10187              | 10757              | 10771              | 10783              | 10785              | 10797              | 11405              | 11417              | 11430              | 11432              | 11446              |                    |
|                  |                    | S/T           | 0.48            | 0.57               | 0.64               | 0.64               | 0.73               | 0.51               | 0.60               | 0.68               | 0.68               | 0.78               | 0.54               | 0.64               | 0.72               | 0.72               | 0.82               | 0.57               | 0.67               | 0.77               | 0.77               | 0.87               |                    |
|                  |                    | PI            | 0.66            | 0.66               | 0.66               | 0.66               | 0.66               | 0.69               | 0.70               | 0.70               | 0.70               | 0.70               | 0.74               | 0.74               | 0.74               | 0.74               | 0.74               | 0.78               | 0.78               | 0.78               | 0.78               | 0.78               |                    |
|                  | 0°F<br>(-17.8°C)   | TC            | 9877            | 9891               | 9901               | 9902               | 9915               | 10473              | 10485              | 10495              | 10497              | 10510              | 11098              | 11113              | 11125              | 11127              | 11140              | 11767              | 11780              | 11793              | 11794              | 11809              |                    |
|                  |                    | S/T           | 0.48            | 0.57               | 0.64               | 0.64               | 0.73               | 0.51               | 0.60               | 0.68               | 0.68               | 0.78               | 0.54               | 0.64               | 0.72               | 0.72               | 0.83               | 0.58               | 0.68               | 0.77               | 0.77               | 0.88               |                    |
|                  |                    | PI            | 0.68            | 0.68               | 0.68               | 0.68               | 0.68               | 0.72               | 0.72               | 0.72               | 0.72               | 0.72               | 0.76               | 0.76               | 0.76               | 0.76               | 0.76               | 0.81               | 0.81               | 0.81               | 0.81               | 0.81               |                    |
|                  | 5°F<br>(-15.0°C)   | TC            | 10257           | 10271              | 10282              | 10283              | 10296              | 10875              | 10888              | 10899              | 10901              | 10914              | 11525              | 11540              | 11553              | 11555              | 11568              | 12220              | 12233              | 12246              | 12248              | 12263              |                    |
|                  |                    | S/T           | 0.49            | 0.57               | 0.65               | 0.65               | 0.74               | 0.51               | 0.60               | 0.69               | 0.69               | 0.78               | 0.55               | 0.64               | 0.73               | 0.73               | 0.83               | 0.58               | 0.68               | 0.77               | 0.77               | 0.88               |                    |
|                  |                    | PI            | 0.70            | 0.70               | 0.70               | 0.70               | 0.70               | 0.74               | 0.75               | 0.75               | 0.75               | 0.75               | 0.79               | 0.79               | 0.79               | 0.79               | 0.79               | 0.84               | 0.84               | 0.84               | 0.84               | 0.84               |                    |
|                  | 14°F<br>(-10.0°C)  | TC            | 10732           | 10747              | 10758              | 10759              | 10773              | 11379              | 11392              | 11404              | 11406              | 11419              | 12059              | 12074              | 12088              | 12090              | 12104              | 12785              | 12799              | 12813              | 12815              | 12831              |                    |
|                  |                    | S/T           | 0.49            | 0.57               | 0.65               | 0.65               | 0.74               | 0.52               | 0.61               | 0.69               | 0.69               | 0.78               | 0.55               | 0.64               | 0.73               | 0.73               | 0.83               | 0.58               | 0.68               | 0.77               | 0.77               | 0.88               |                    |
|                  |                    | PI            | 0.70            | 0.70               | 0.70               | 0.70               | 0.70               | 0.74               | 0.74               | 0.75               | 0.75               | 0.75               | 0.79               | 0.79               | 0.79               | 0.79               | 0.79               | 0.84               | 0.84               | 0.84               | 0.84               | 0.84               |                    |
|                  | 17°F<br>(-8.3°C)   | TC            | 10890           | 10905              | 10917              | 10917              | 10932              | 11547              | 11560              | 11572              | 11574              | 11588              | 12237              | 12252              | 12266              | 12268              | 12282              | 12974              | 12988              | 13002              | 13004              | 13020              |                    |
|                  |                    | S/T           | 0.49            | 0.57               | 0.65               | 0.65               | 0.74               | 0.52               | 0.61               | 0.69               | 0.69               | 0.79               | 0.55               | 0.64               | 0.73               | 0.73               | 0.83               | 0.58               | 0.68               | 0.78               | 0.78               | 0.88               |                    |
|                  |                    | PI            | 0.70            | 0.70               | 0.70               | 0.70               | 0.70               | 0.74               | 0.74               | 0.75               | 0.75               | 0.75               | 0.79               | 0.79               | 0.79               | 0.79               | 0.79               | 0.84               | 0.84               | 0.84               | 0.84               | 0.84               |                    |
|                  | 23°F<br>(-5.0°C)   | TC            | 11141           | 11156              | 11168              | 11168              | 11183              | 11812              | 11826              | 11838              | 11840              | 11854              | 12518              | 12534              | 12548              | 12551              | 12565              | 13272              | 13287              | 13301              | 13303              | 13320              |                    |
|                  |                    | S/T           | 0.49            | 0.58               | 0.65               | 0.65               | 0.75               | 0.52               | 0.61               | 0.69               | 0.69               | 0.79               | 0.55               | 0.65               | 0.74               | 0.74               | 0.84               | 0.58               | 0.69               | 0.78               | 0.78               | 0.89               |                    |
|                  |                    | PI            | 0.71            | 0.71               | 0.71               | 0.71               | 0.72               | 0.76               | 0.76               | 0.76               | 0.76               | 0.76               | 0.80               | 0.80               | 0.80               | 0.80               | 0.80               | 0.85               | 0.85               | 0.85               | 0.85               | 0.85               |                    |
|                  | 35°F<br>(1.7°C)    | TC            | 11642           | 11657              | 11670              | 11670              | 11686              | 12343              | 12358              | 12370              | 12373              | 12387              | 13081              | 13098              | 13112              | 13115              | 13129              | 13869              | 13884              | 13899              | 13901              | 13919              |                    |
|                  |                    | S/T           | 0.49            | 0.58               | 0.66               | 0.66               | 0.75               | 0.52               | 0.61               | 0.70               | 0.70               | 0.79               | 0.55               | 0.65               | 0.74               | 0.74               | 0.84               | 0.59               | 0.69               | 0.78               | 0.78               | 0.89               |                    |
|                  |                    | PI            | 0.74            | 0.74               | 0.74               | 0.74               | 0.74               | 0.78               | 0.78               | 0.78               | 0.78               | 0.78               | 0.83               | 0.83               | 0.83               | 0.83               | 0.83               | 0.88               | 0.88               | 0.88               | 0.88               | 0.88               |                    |
|                  | 41°F<br>(5.0°C)    | TC            | 10744           | 10758              | 10770              | 10770              | 10785              | 11391              | 11404              | 11416              | 11418              | 11432              | 12072              | 12087              | 12101              | 12103              | 12116              | 12799              | 12813              | 12827              | 12829              | 12845              |                    |
|                  |                    | S/T           | 0.49            | 0.58               | 0.66               | 0.66               | 0.75               | 0.52               | 0.61               | 0.70               | 0.70               | 0.80               | 0.56               | 0.65               | 0.74               | 0.74               | 0.84               | 0.59               | 0.69               | 0.78               | 0.78               | 0.89               |                    |
|                  |                    | PI            | 0.57            | 0.57               | 0.57               | 0.57               | 0.58               | 0.61               | 0.61               | 0.61               | 0.61               | 0.61               | 0.64               | 0.64               | 0.65               | 0.65               | 0.65               | 0.68               | 0.68               | 0.68               | 0.68               | 0.69               |                    |
|                  | 47°F<br>(8.3°C)    | TC            | 9845            | 9859               | 9869               | 9870               | 9883               | 10439              | 10451              | 10461              | 10463              | 10476              | 11062              | 11077              | 11089              | 11091              | 11103              | 11729              | 11742              | 11754              | 11756              | 11771              |                    |
|                  |                    | S/T           | 0.50            | 0.58               | 0.66               | 0.66               | 0.75               | 0.53               | 0.62               | 0.70               | 0.70               | 0.80               | 0.56               | 0.65               | 0.74               | 0.74               | 0.85               | 0.59               | 0.69               | 0.79               | 0.79               | 0.90               |                    |
|                  |                    | PI            | 0.41            | 0.41               | 0.41               | 0.41               | 0.41               | 0.43               | 0.43               | 0.43               | 0.43               | 0.44               | 0.46               | 0.46               | 0.46               | 0.46               | 0.46               | 0.49               | 0.49               | 0.49               | 0.49               | 0.49               |                    |
|                  | 50°F<br>(10.0°C)   | TC            | 9976            | 9989               | 10000              | 10000              | 10014              | 10577              | 10589              | 10600              | 10602              | 10614              | 11209              | 11223              | 11236              | 11238              | 11250              | 11884              | 11897              | 11910              | 11912              | 11927              |                    |
|                  |                    | S/T           | 0.50            | 0.58               | 0.66               | 0.66               | 0.76               | 0.53               | 0.62               | 0.70               | 0.70               | 0.80               | 0.56               | 0.66               | 0.75               | 0.75               | 0.85               | 0.59               | 0.70               | 0.79               | 0.79               | 0.90               |                    |
|                  |                    | PI            | 0.42            | 0.42               | 0.42               | 0.42               | 0.42               | 0.45               | 0.45               | 0.45               | 0.45               | 0.45               | 0.47               | 0.47               | 0.47               | 0.47               | 0.47               | 0.50               | 0.50               | 0.50               | 0.50               | 0.50               |                    |
|                  | 59°F<br>(15.0°C)   | TC            | 10367           | 10380              | 10392              | 10392              | 10406              | 10991              | 11004              | 11015              | 11017              | 11030              | 11648              | 11663              | 11676              | 11678              | 11691              | 12350              | 12363              | 12377              | 12379              | 12394              |                    |
|                  |                    | S/T           | 0.50            | 0.59               | 0.67               | 0.67               | 0.76               | 0.53               | 0.62               | 0.71               | 0.71               | 0.81               | 0.56               | 0.66               | 0.75               | 0.75               | 0.86               | 0.60               | 0.70               | 0.80               | 0.80               | 0.91               |                    |
|                  |                    | PI            | 0.45            | 0.45               | 0.45               | 0.45               | 0.46               | 0.48               | 0.48               | 0.48               | 0.48               | 0.48               | 0.51               | 0.51               | 0.51               | 0.51               | 0.51               | 0.54               | 0.54               | 0.54               | 0.54               | 0.54               |                    |
|                  | 68°F<br>(20.0°C)   | TC            | 10757           | 10772              | 10783              | 10784              | 10799              | 11406              | 11419              | 11430              | 11433              | 11446              | 12087              | 12103              | 12116              | 12119              | 12132              | 12815              | 12829              | 12843              | 12845              | 12861              |                    |
|                  |                    | S/T           | 0.51            | 0.60               | 0.69               | 0.69               | 0.78               | 0.54               | 0.64               | 0.73               | 0.73               | 0.83               | 0.58               | 0.68               | 0.77               | 0.77               | 0.88               | 0.61               | 0.72               | 0.82               | 0.82               | 0.93               |                    |
|                  |                    | PI            | 0.49            | 0.49               | 0.49               | 0.49               | 0.49               | 0.52               | 0.52               | 0.52               | 0.52               | 0.52               | 0.55               | 0.55               | 0.55               | 0.55               | 0.55               | 0.58               | 0.58               | 0.58               | 0.58               | 0.58               |                    |
|                  | 77°F<br>(25.0°C)   | TC            | 11148           | 11163              | 11175              | 11176              | 11191              | 11820              | 11834              | 11846              | 11848              | 11862              | 12526              | 12543              | 12557              | 12559              | 12573              | 13281              | 13296              | 13310              | 13312              | 13329              |                    |
|                  |                    | S/T           | 0.52            | 0.61               | 0.69               | 0.69               | 0.79               | 0.55               | 0.65               | 0.74               | 0.74               | 0.84               | 0.59               | 0.69               | 0.78               | 0.78               | 0.89               | 0.62               | 0.73               | 0.83               | 0.83               | 0.94               |                    |
|                  |                    | PI            | 0.52            | 0.52               | 0.52               | 0.52               | 0.52               | 0.55               | 0.55               | 0.55               | 0.55               | 0.55               | 0.58               | 0.58               | 0.59               | 0.59               | 0.59               | 0.62               | 0.62               | 0.62               | 0.62               | 0.62               |                    |
|                  | 82°F<br>(27.8°C)   | TC            | 11181           | 11196              | 11208              | 11209              | 11224              | 11855              | 11869              | 11881              | 11883              | 11897              | 12563              | 12580              | 12594              | 12596              | 12610              | 13320              | 13335              | 13349              | 13351              | 13368              |                    |
|                  |                    | S/T           | 0.53            | 0.62               | 0.70               | 0.70               | 0.80               | 0.56               | 0.66               | 0.75               | 0.75               | 0.85               | 0.59               | 0.70               | 0.79               | 0.79               | 0.90               | 0.63               | 0.74               | 0.84               | 0.84               | 0.95               |                    |
|                  |                    | PI            | 0.57            | 0.58               | 0.58               | 0.58               | 0.58               | 0.61               | 0.61               | 0.61               | 0.61               | 0.61               | 0.65               | 0.65               | 0.65               | 0.65               | 0.65               | 0.68               | 0.69               | 0.69               | 0.69               | 0.69               |                    |
|                  | 86°F<br>(30.0°C)   | TC            | 10975           | 10990              | 11002              | 11002              | 11017              | 11637              | 11650              | 11662              | 11664              | 11678              | 12332              | 12348              | 12362              | 12364              | 12378              | 13075              | 13089              | 13103              | 13105              | 13122              |                    |
| S/T              |                    | 0.53          | 0.63            | 0.7>               |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |

**Table 44 — Low Static Heating Performance (6K)**

HEATING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 6 (Sheet 1 of 2)

| AIRFLOW<br>(CFM) | OUTDOOR<br>DB (°F) | TC: Total Heating Capacity (BTU/hr) |                  |                  |                    |                    | PI: Power Input (kW)      |                  |                  |                    |                    |
|------------------|--------------------|-------------------------------------|------------------|------------------|--------------------|--------------------|---------------------------|------------------|------------------|--------------------|--------------------|
|                  |                    | Indoor Conditions (DB °F)           |                  |                  |                    |                    | Indoor Conditions (DB °F) |                  |                  |                    |                    |
|                  |                    | 60.8°F<br>(16.0°C)                  | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) | 60.8°F<br>(16.0°C)        | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) |
| 147              | -22°F(-30.0°C)     | 2378                                | 2330             | 2319             | 2169               | 2150               | 0.77                      | 0.77             | 0.77             | 0.78               | 0.78               |
|                  | -13°F(-25.0°C)     | 3167                                | 3104             | 3089             | 2779               | 2754               | 0.81                      | 0.82             | 0.82             | 0.82               | 0.83               |
|                  | -4°F(-20.0°C)      | 3864                                | 3787             | 3768             | 3390               | 3359               | 0.87                      | 0.88             | 0.88             | 0.88               | 0.89               |
|                  | 0°F(-17.8°C)       | 4276                                | 4190             | 4169             | 3751               | 3718               | 0.89                      | 0.90             | 0.90             | 0.90               | 0.91               |
|                  | 5°F(-15.0°C)       | 4791                                | 4695             | 4672             | 4203               | 4165               | 0.91                      | 0.92             | 0.92             | 0.92               | 0.93               |
|                  | 14°F(-10.0°C)      | 5403                                | 5295             | 5268             | 4740               | 4697               | 0.99                      | 1.00             | 1.00             | 1.00               | 1.01               |
|                  | 17°F(-8.3°C)       | 5607                                | 5495             | 5467             | 4919               | 4875               | 1.02                      | 1.03             | 1.03             | 1.03               | 1.04               |
|                  | 22°F(-5.6°C)       | 5982                                | 5862             | 5833             | 5248               | 5200               | 1.05                      | 1.06             | 1.06             | 1.06               | 1.07               |
|                  | 27°F(-2.8°C)       | 6356                                | 6229             | 6198             | 5576               | 5526               | 1.08                      | 1.09             | 1.09             | 1.09               | 1.10               |
|                  | 32°F(0.0°C)        | 6731                                | 6597             | 6564             | 5905               | 5852               | 1.11                      | 1.12             | 1.12             | 1.12               | 1.13               |
|                  | 35°F(1.7°C)        | 6956                                | 6817             | 6783             | 6103               | 6048               | 1.13                      | 1.14             | 1.14             | 1.14               | 1.15               |
|                  | 37°F(2.8°C)        | 7136                                | 6994             | 6959             | 6261               | 6204               | 1.11                      | 1.12             | 1.12             | 1.12               | 1.13               |
|                  | 42°F(5.6°C)        | 7587                                | 7435             | 7398             | 6656               | 6596               | 1.05                      | 1.06             | 1.06             | 1.07               | 1.07               |
|                  | 44.6°F(7.0°C)      | 7767                                | 7612             | 7574             | 6814               | 6753               | 1.03                      | 1.04             | 1.04             | 1.04               | 1.05               |
|                  | 47°F(8.3°C)        | 8038                                | 7877             | 7838             | 7051               | 6988               | 1.00                      | 1.01             | 1.01             | 1.01               | 1.02               |
|                  | 52°F(11.1°C)       | 8140                                | 7977             | 7937             | 7141               | 7077               | 0.95                      | 0.95             | 0.96             | 0.96               | 0.96               |
|                  | 57°F(13.9°C)       | 8242                                | 8077             | 8037             | 7231               | 7166               | 0.90                      | 0.90             | 0.90             | 0.91               | 0.91               |
|                  | 59°F(15.0°C)       | 8283                                | 8117             | 8077             | 7267               | 7201               | 0.87                      | 0.88             | 0.88             | 0.89               | 0.89               |
|                  | 62°F(16.7°C)       | 8344                                | 8177             | 8136             | 7320               | 7254               | 0.84                      | 0.85             | 0.85             | 0.85               | 0.86               |
|                  | 64.4°F(18.0°C)     | 8385                                | 8217             | 8176             | 7356               | 7290               | 0.82                      | 0.83             | 0.83             | 0.83               | 0.84               |
| 206              | -22°F(-30.0°C)     | 2878                                | 2821             | 2807             | 2709               | 2685               | 0.77                      | 0.78             | 0.78             | 0.78               | 0.79               |
|                  | -13°F(-25.0°C)     | 3760                                | 3685             | 3666             | 3470               | 3439               | 0.82                      | 0.83             | 0.83             | 0.83               | 0.84               |
|                  | -4°F(-20.0°C)      | 4587                                | 4495             | 4473             | 4234               | 4196               | 0.88                      | 0.89             | 0.89             | 0.89               | 0.90               |
|                  | 0°F(-17.8°C)       | 5076                                | 4974             | 4949             | 4685               | 4643               | 0.90                      | 0.91             | 0.91             | 0.91               | 0.91               |
|                  | 5°F(-15.0°C)       | 5687                                | 5573             | 5545             | 5249               | 5202               | 0.92                      | 0.93             | 0.93             | 0.93               | 0.94               |
|                  | 14°F(-10.0°C)      | 6413                                | 6285             | 6254             | 5920               | 5866               | 1.00                      | 1.01             | 1.01             | 1.01               | 1.02               |
|                  | 17°F(-8.3°C)       | 6655                                | 6522             | 6490             | 6143               | 6088               | 1.03                      | 1.04             | 1.04             | 1.04               | 1.05               |
|                  | 22°F(-5.6°C)       | 7100                                | 6958             | 6923             | 6554               | 6495               | 1.06                      | 1.07             | 1.07             | 1.07               | 1.08               |
|                  | 27°F(-2.8°C)       | 7545                                | 7394             | 7357             | 6965               | 6902               | 1.09                      | 1.10             | 1.10             | 1.10               | 1.11               |
|                  | 32°F(0.0°C)        | 7990                                | 7830             | 7791             | 7375               | 7309               | 1.12                      | 1.13             | 1.13             | 1.13               | 1.14               |
|                  | 35°F(1.7°C)        | 8257                                | 8092             | 8052             | 7622               | 7553               | 1.14                      | 1.15             | 1.15             | 1.15               | 1.16               |
|                  | 37°F(2.8°C)        | 8471                                | 8302             | 8260             | 7819               | 7749               | 1.12                      | 1.13             | 1.13             | 1.13               | 1.14               |
|                  | 42°F(5.6°C)        | 9006                                | 8826             | 8782             | 8313               | 8238               | 1.06                      | 1.07             | 1.07             | 1.08               | 1.08               |
|                  | 44.6°F(7.0°C)      | 9220                                | 9036             | 8990             | 8511               | 8434               | 1.04                      | 1.05             | 1.05             | 1.05               | 1.06               |
|                  | 47°F(8.3°C)        | 9541                                | 9350             | 9303             | 8807               | 8728               | 1.01                      | 1.02             | 1.02             | 1.02               | 1.03               |
|                  | 52°F(11.1°C)       | 9662                                | 9469             | 9422             | 8919               | 8839               | 0.96                      | 0.96             | 0.97             | 0.97               | 0.97               |
|                  | 57°F(13.9°C)       | 9783                                | 9588             | 9540             | 9031               | 8949               | 0.90                      | 0.91             | 0.91             | 0.92               | 0.92               |
|                  | 59°F(15.0°C)       | 9832                                | 9635             | 9587             | 9075               | 8994               | 0.88                      | 0.89             | 0.89             | 0.89               | 0.90               |
|                  | 62°F(16.7°C)       | 9905                                | 9707             | 9658             | 9143               | 9060               | 0.85                      | 0.86             | 0.86             | 0.86               | 0.87               |
|                  | 64.4°F(18.0°C)     | 9953                                | 9754             | 9705             | 9187               | 9105               | 0.83                      | 0.84             | 0.84             | 0.84               | 0.85               |
| 265              | -22°F(-30.0°C)     | 3484                                | 3415             | 3398             | 3384               | 3353               | 0.78                      | 0.79             | 0.79             | 0.79               | 0.79               |
|                  | -13°F(-25.0°C)     | 4463                                | 4374             | 4352             | 4334               | 4295               | 0.83                      | 0.84             | 0.84             | 0.84               | 0.84               |
|                  | -4°F(-20.0°C)      | 5445                                | 5336             | 5309             | 5288               | 5240               | 0.89                      | 0.90             | 0.90             | 0.90               | 0.91               |
|                  | 0°F(-17.8°C)       | 6025                                | 5904             | 5875             | 5851               | 5799               | 0.91                      | 0.92             | 0.92             | 0.92               | 0.92               |
|                  | 5°F(-15.0°C)       | 6750                                | 6615             | 6582             | 6556               | 6497               | 0.93                      | 0.94             | 0.94             | 0.94               | 0.95               |
|                  | 14°F(-10.0°C)      | 7613                                | 7460             | 7423             | 7393               | 7327               | 1.01                      | 1.02             | 1.02             | 1.02               | 1.03               |
|                  | 17°F(-8.3°C)       | 7900                                | 7742             | 7703             | 7673               | 7604               | 1.04                      | 1.05             | 1.05             | 1.05               | 1.06               |
|                  | 22°F(-5.6°C)       | 8428                                | 8260             | 8218             | 8186               | 8112               | 1.07                      | 1.08             | 1.08             | 1.08               | 1.09               |
|                  | 27°F(-2.8°C)       | 8956                                | 8777             | 8733             | 8698               | 8620               | 1.10                      | 1.11             | 1.11             | 1.12               | 1.12               |
|                  | 32°F(0.0°C)        | 9485                                | 9295             | 9248             | 9211               | 9128               | 1.13                      | 1.14             | 1.15             | 1.15               | 1.15               |
|                  | 35°F(1.7°C)        | 9801                                | 9605             | 9557             | 9519               | 9433               | 1.15                      | 1.16             | 1.16             | 1.17               | 1.17               |
|                  | 37°F(2.8°C)        | 10055                               | 9854             | 9805             | 9766               | 9678               | 1.13                      | 1.14             | 1.14             | 1.14               | 1.15               |
|                  | 42°F(5.6°C)        | 10690                               | 10477            | 10424            | 10383              | 10289              | 1.07                      | 1.08             | 1.09             | 1.09               | 1.09               |
|                  | 44.6°F(7.0°C)      | 10944                               | 10726            | 10672            | 10629              | 10534              | 1.05                      | 1.06             | 1.06             | 1.07               | 1.07               |
|                  | 47°F(8.3°C)        | 11325                               | 11099            | 11043            | 10999              | 10900              | 1.02                      | 1.03             | 1.03             | 1.03               | 1.04               |
|                  | 52°F(11.1°C)       | 11469                               | 11240            | 11184            | 11139              | 11039              | 0.97                      | 0.97             | 0.98             | 0.98               | 0.98               |
|                  | 57°F(13.9°C)       | 11613                               | 11381            | 11324            | 11279              | 11177              | 0.91                      | 0.92             | 0.92             | 0.92               | 0.93               |
|                  | 59°F(15.0°C)       | 11671                               | 11437            | 11380            | 11335              | 11233              | 0.89                      | 0.90             | 0.90             | 0.90               | 0.91               |
|                  | 62°F(16.7°C)       | 11757                               | 11522            | 11464            | 11419              | 11316              | 0.86                      | 0.87             | 0.87             | 0.87               | 0.87               |
|                  | 64.4°F(18.0°C)     | 11815                               | 11578            | 11521            | 11475              | 11371              | 0.84                      | 0.85             | 0.85             | 0.85               | 0.85               |

## HEATING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 6 (Sheet 2 of 2)

| AIRFLOW<br>(CFM) | OUTDOOR<br>DB (°F) | TC: Total Heating Capacity (BTU/hr) |                  |                  |                    |                    | PI: Power Input (kW)      |                  |                  |                    |                    |
|------------------|--------------------|-------------------------------------|------------------|------------------|--------------------|--------------------|---------------------------|------------------|------------------|--------------------|--------------------|
|                  |                    | Indoor Conditions (DB °F)           |                  |                  |                    |                    | Indoor Conditions (DB °F) |                  |                  |                    |                    |
|                  |                    | 60.8°F<br>(16.0°C)                  | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) | 60.8°F<br>(16.0°C)        | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) |
| 324              | -22°F(-30.0°C)     | 4136                                | 4053             | 4033             | 4017               | 3981               | 0.79                      | 0.80             | 0.80             | 0.80               | 0.80               |
|                  | -13°F(-25.0°C)     | 5298                                | 5192             | 5166             | 5145               | 5099               | 0.84                      | 0.85             | 0.85             | 0.85               | 0.85               |
|                  | -4°F(-20.0°C)      | 6463                                | 6334             | 6302             | 6277               | 6220               | 0.90                      | 0.91             | 0.91             | 0.91               | 0.92               |
|                  | 0°F(-17.8°C)       | 7152                                | 7009             | 6974             | 6946               | 6883               | 0.92                      | 0.93             | 0.93             | 0.93               | 0.93               |
|                  | 5°F(-15.0°C)       | 8013                                | 7853             | 7813             | 7782               | 7712               | 0.94                      | 0.95             | 0.95             | 0.95               | 0.96               |
|                  | 14°F(-10.0°C)      | 9036                                | 8856             | 8811             | 8776               | 8697               | 1.02                      | 1.03             | 1.03             | 1.04               | 1.04               |
|                  | 17°F(-8.3°C)       | 9378                                | 9190             | 9144             | 9108               | 9026               | 1.05                      | 1.06             | 1.06             | 1.06               | 1.07               |
|                  | 22°F(-5.6°C)       | 10005                               | 9804             | 9755             | 9716               | 9629               | 1.08                      | 1.09             | 1.09             | 1.10               | 1.10               |
|                  | 27°F(-2.8°C)       | 10632                               | 10419            | 10367            | 10325              | 10232              | 1.11                      | 1.12             | 1.12             | 1.13               | 1.13               |
|                  | 32°F(0.0°C)        | 11258                               | 11033            | 10978            | 10934              | 10836              | 1.15                      | 1.15             | 1.16             | 1.16               | 1.16               |
|                  | 35°F(1.7°C)        | 11635                               | 11402            | 11345            | 11300              | 11198              | 1.16                      | 1.17             | 1.18             | 1.18               | 1.18               |
|                  | 37°F(2.8°C)        | 11936                               | 11697            | 11639            | 11592              | 11488              | 1.14                      | 1.15             | 1.15             | 1.16               | 1.16               |
|                  | 42°F(5.6°C)        | 12690                               | 12436            | 12374            | 12324              | 12213              | 1.09                      | 1.09             | 1.10             | 1.10               | 1.10               |
|                  | 44.6°F(7.0°C)      | 12991                               | 12732            | 12668            | 12617              | 12504              | 1.06                      | 1.07             | 1.07             | 1.08               | 1.08               |
|                  | 47°F(8.3°C)        | 13444                               | 13175            | 13109            | 13056              | 12939              | 1.03                      | 1.04             | 1.04             | 1.04               | 1.05               |
|                  | 52°F(11.1°C)       | 13614                               | 13342            | 13275            | 13222              | 13103              | 0.98                      | 0.98             | 0.99             | 0.99               | 0.99               |
|                  | 57°F(13.9°C)       | 13785                               | 13510            | 13442            | 13388              | 13268              | 0.92                      | 0.93             | 0.93             | 0.93               | 0.94               |
|                  | 59°F(15.0°C)       | 13854                               | 13577            | 13509            | 13455              | 13334              | 0.90                      | 0.91             | 0.91             | 0.91               | 0.92               |
|                  | 62°F(16.7°C)       | 13956                               | 13677            | 13609            | 13554              | 13432              | 0.87                      | 0.88             | 0.88             | 0.88               | 0.88               |
|                  | 64.4°F(18.0°C)     | 14025                               | 13744            | 13675            | 13621              | 13498              | 0.85                      | 0.86             | 0.86             | 0.86               | 0.86               |

**NOTE:** Values in grey are extrapolated based on tested performance.

**Table 45 — Low Static Cooling Performance (9K)**

COOLING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 9 (Sheet 1 of 4)

| AIRFLOW<br>(CFM) | OUTDOOR<br>DB(°F)  | ID WB<br>(°F) | 60.8°F(16.0°C) |                    |                    |                    |                    | 64.4°F(18.0°C)     |                    |                    |                    |                    | 67°F(19.4°C)       |                    |                    |                    |                    | 71.6°F(22.0°C)     |                    |                    |                    |                    |                    |
|------------------|--------------------|---------------|----------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                  |                    |               | ID DB<br>(°F)  | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) |
|                  |                    |               | TC             | S/T                | PI                 | TC                 | S/T                | PI                 | TC                 | S/T                | PI                 | TC                 | S/T                | PI                 | TC                 | S/T                | PI                 | TC                 | S/T                | PI                 | TC                 | S/T                | PI                 |
| 147              | -22°F<br>(-30.0°C) | TC            | 5644           | 5651               | 5657               | 5658               | 5665               | 5984               | 5991               | 5997               | 5998               | 6005               | 6341               | 6349               | 6357               | 6358               | 6365               | 6723               | 6731               | 6738               | 6739               | 6747               |                    |
|                  |                    | S/T           | 0.28           | 0.33               | 0.38               | 0.38               | 0.43               | 0.30               | 0.35               | 0.40               | 0.40               | 0.46               | 0.32               | 0.38               | 0.43               | 0.43               | 0.49               | 0.34               | 0.40               | 0.45               | 0.45               | 0.52               |                    |
|                  |                    | PI            | 0.27           | 0.27               | 0.27               | 0.27               | 0.27               | 0.29               | 0.29               | 0.29               | 0.29               | 0.29               | 0.30               | 0.30               | 0.30               | 0.30               | 0.30               | 0.32               | 0.32               | 0.32               | 0.32               | 0.32               |                    |
|                  | -13°F<br>(-25.0°C) | TC            | 6114           | 6122               | 6129               | 6129               | 6137               | 6482               | 6490               | 6496               | 6498               | 6505               | 6870               | 6879               | 6886               | 6888               | 6895               | 7284               | 7291               | 7299               | 7301               | 7310               |                    |
|                  |                    | S/T           | 0.29           | 0.34               | 0.38               | 0.38               | 0.44               | 0.30               | 0.36               | 0.40               | 0.41               | 0.46               | 0.32               | 0.38               | 0.43               | 0.43               | 0.49               | 0.34               | 0.40               | 0.46               | 0.46               | 0.52               |                    |
|                  |                    | PI            | 0.29           | 0.29               | 0.29               | 0.29               | 0.29               | 0.31               | 0.31               | 0.31               | 0.31               | 0.31               | 0.33               | 0.33               | 0.33               | 0.33               | 0.33               | 0.35               | 0.35               | 0.35               | 0.35               | 0.35               |                    |
|                  | -4°F<br>(-20.0°C)  | TC            | 6584           | 6593               | 6600               | 6600               | 6609               | 6981               | 6989               | 6996               | 6998               | 7006               | 7398               | 7408               | 7416               | 7417               | 7426               | 7844               | 7852               | 7861               | 7862               | 7872               |                    |
|                  |                    | S/T           | 0.29           | 0.34               | 0.38               | 0.38               | 0.44               | 0.31               | 0.36               | 0.41               | 0.41               | 0.46               | 0.32               | 0.38               | 0.43               | 0.43               | 0.49               | 0.34               | 0.40               | 0.46               | 0.46               | 0.52               |                    |
|                  |                    | PI            | 0.31           | 0.31               | 0.31               | 0.31               | 0.31               | 0.33               | 0.33               | 0.33               | 0.33               | 0.33               | 0.35               | 0.35               | 0.35               | 0.35               | 0.35               | 0.37               | 0.37               | 0.37               | 0.37               | 0.37               |                    |
|                  | 0°F<br>(17.8°C)    | TC            | 6793           | 6802               | 6810               | 6810               | 6819               | 7203               | 7211               | 7218               | 7220               | 7228               | 7633               | 7643               | 7651               | 7653               | 7661               | 8093               | 8102               | 8110               | 8112               | 8122               |                    |
|                  |                    | S/T           | 0.29           | 0.34               | 0.39               | 0.39               | 0.44               | 0.31               | 0.36               | 0.41               | 0.41               | 0.47               | 0.32               | 0.38               | 0.43               | 0.43               | 0.49               | 0.34               | 0.40               | 0.46               | 0.46               | 0.52               |                    |
|                  |                    | PI            | 0.32           | 0.32               | 0.32               | 0.32               | 0.32               | 0.34               | 0.34               | 0.34               | 0.34               | 0.34               | 0.36               | 0.36               | 0.36               | 0.36               | 0.36               | 0.39               | 0.39               | 0.39               | 0.39               | 0.39               |                    |
|                  | 5°F<br>(-15.0°C)   | TC            | 7055           | 7064               | 7072               | 7072               | 7081               | 7480               | 7489               | 7496               | 7497               | 7506               | 7927               | 7937               | 7946               | 7947               | 7956               | 8404               | 8413               | 8422               | 8424               | 8434               |                    |
|                  |                    | S/T           | 0.29           | 0.34               | 0.39               | 0.39               | 0.44               | 0.31               | 0.36               | 0.41               | 0.41               | 0.47               | 0.33               | 0.38               | 0.44               | 0.44               | 0.50               | 0.35               | 0.41               | 0.46               | 0.46               | 0.53               |                    |
|                  |                    | PI            | 0.34           | 0.34               | 0.34               | 0.34               | 0.34               | 0.36               | 0.36               | 0.36               | 0.36               | 0.36               | 0.38               | 0.38               | 0.38               | 0.38               | 0.38               | 0.40               | 0.40               | 0.40               | 0.40               | 0.40               |                    |
|                  | 14°F<br>(-10.0°C)  | TC            | 6432           | 6441               | 6448               | 6448               | 6457               | 6820               | 6828               | 6835               | 6836               | 6844               | 7227               | 7237               | 7245               | 7246               | 7254               | 7663               | 7671               | 7680               | 7681               | 7690               |                    |
|                  |                    | S/T           | 0.29           | 0.34               | 0.39               | 0.39               | 0.44               | 0.31               | 0.36               | 0.41               | 0.41               | 0.47               | 0.33               | 0.38               | 0.44               | 0.44               | 0.50               | 0.35               | 0.41               | 0.46               | 0.46               | 0.53               |                    |
|                  |                    | PI            | 0.30           | 0.30               | 0.30               | 0.30               | 0.30               | 0.31               | 0.31               | 0.31               | 0.31               | 0.31               | 0.33               | 0.33               | 0.33               | 0.33               | 0.33               | 0.35               | 0.35               | 0.35               | 0.35               | 0.35               |                    |
|                  | 17°F<br>(-8.3°C)   | TC            | 6225           | 6233               | 6240               | 6240               | 6249               | 6600               | 6608               | 6614               | 6616               | 6624               | 6994               | 7004               | 7011               | 7013               | 7020               | 7416               | 7424               | 7432               | 7433               | 7442               |                    |
|                  |                    | S/T           | 0.29           | 0.34               | 0.39               | 0.39               | 0.44               | 0.31               | 0.36               | 0.41               | 0.41               | 0.47               | 0.33               | 0.38               | 0.44               | 0.44               | 0.50               | 0.35               | 0.41               | 0.46               | 0.46               | 0.53               |                    |
|                  |                    | PI            | 0.28           | 0.28               | 0.28               | 0.28               | 0.28               | 0.30               | 0.30               | 0.30               | 0.30               | 0.30               | 0.32               | 0.32               | 0.32               | 0.32               | 0.32               | 0.34               | 0.34               | 0.34               | 0.34               | 0.34               |                    |
|                  | 23°F<br>(-5.0°C)   | TC            | 6353           | 6362               | 6368               | 6369               | 6377               | 6736               | 6744               | 6750               | 6752               | 6760               | 7138               | 7148               | 7156               | 7157               | 7165               | 7568               | 7577               | 7585               | 7586               | 7595               |                    |
|                  |                    | S/T           | 0.29           | 0.34               | 0.39               | 0.39               | 0.45               | 0.31               | 0.36               | 0.41               | 0.41               | 0.47               | 0.33               | 0.39               | 0.44               | 0.44               | 0.50               | 0.35               | 0.41               | 0.47               | 0.47               | 0.53               |                    |
|                  |                    | PI            | 0.30           | 0.30               | 0.30               | 0.30               | 0.30               | 0.32               | 0.32               | 0.32               | 0.32               | 0.32               | 0.33               | 0.34               | 0.34               | 0.34               | 0.34               | 0.35               | 0.36               | 0.36               | 0.36               | 0.36               |                    |
|                  | 35°F<br>(1.7°C)    | TC            | 6609           | 6618               | 6625               | 6625               | 6634               | 7007               | 7016               | 7022               | 7024               | 7032               | 7426               | 7436               | 7444               | 7445               | 7454               | 7873               | 7882               | 7890               | 7892               | 7902               |                    |
|                  |                    | S/T           | 0.29           | 0.35               | 0.39               | 0.39               | 0.45               | 0.31               | 0.37               | 0.42               | 0.42               | 0.48               | 0.33               | 0.39               | 0.44               | 0.44               | 0.50               | 0.35               | 0.41               | 0.47               | 0.47               | 0.53               |                    |
|                  |                    | PI            | 0.33           | 0.33               | 0.33               | 0.33               | 0.33               | 0.35               | 0.35               | 0.35               | 0.35               | 0.35               | 0.37               | 0.37               | 0.37               | 0.37               | 0.37               | 0.39               | 0.39               | 0.39               | 0.39               | 0.39               |                    |
|                  | 41°F<br>(5.0°C)    | TC            | 6686           | 6695               | 6702               | 6702               | 6711               | 7089               | 7097               | 7104               | 7106               | 7114               | 7512               | 7522               | 7531               | 7532               | 7540               | 7965               | 7974               | 7982               | 7984               | 7994               |                    |
|                  |                    | S/T           | 0.30           | 0.35               | 0.39               | 0.39               | 0.45               | 0.31               | 0.37               | 0.42               | 0.42               | 0.48               | 0.33               | 0.39               | 0.44               | 0.44               | 0.50               | 0.35               | 0.41               | 0.47               | 0.47               | 0.53               |                    |
|                  |                    | PI            | 0.33           | 0.33               | 0.33               | 0.33               | 0.33               | 0.34               | 0.35               | 0.35               | 0.35               | 0.35               | 0.37               | 0.37               | 0.37               | 0.37               | 0.37               | 0.39               | 0.39               | 0.39               | 0.39               | 0.39               |                    |
|                  | 47°F<br>(8.3°C)    | TC            | 6763           | 6772               | 6779               | 6780               | 6789               | 7170               | 7179               | 7186               | 7187               | 7196               | 7599               | 7609               | 7617               | 7619               | 7627               | 8057               | 8065               | 8074               | 8076               | 8086               |                    |
|                  |                    | S/T           | 0.30           | 0.35               | 0.40               | 0.40               | 0.45               | 0.31               | 0.37               | 0.42               | 0.42               | 0.48               | 0.33               | 0.39               | 0.44               | 0.44               | 0.51               | 0.35               | 0.41               | 0.47               | 0.47               | 0.54               |                    |
|                  |                    | PI            | 0.32           | 0.32               | 0.32               | 0.32               | 0.32               | 0.34               | 0.34               | 0.34               | 0.34               | 0.34               | 0.36               | 0.36               | 0.36               | 0.36               | 0.36               | 0.38               | 0.38               | 0.38               | 0.38               | 0.38               |                    |
|                  | 50°F<br>(10.0°C)   | TC            | 6698           | 6708               | 6715               | 6715               | 6724               | 7102               | 7111               | 7118               | 7119               | 7127               | 7526               | 7536               | 7545               | 7546               | 7554               | 7980               | 7989               | 7997               | 7999               | 8009               |                    |
|                  |                    | S/T           | 0.30           | 0.35               | 0.40               | 0.40               | 0.45               | 0.32               | 0.37               | 0.42               | 0.42               | 0.48               | 0.33               | 0.39               | 0.45               | 0.45               | 0.51               | 0.35               | 0.42               | 0.47               | 0.47               | 0.54               |                    |
|                  |                    | PI            | 0.31           | 0.31               | 0.31               | 0.31               | 0.31               | 0.33               | 0.33               | 0.33               | 0.33               | 0.33               | 0.35               | 0.35               | 0.35               | 0.35               | 0.35               | 0.37               | 0.37               | 0.37               | 0.37               | 0.38               |                    |
|                  | 59°F<br>(15.0°C)   | TC            | 6505           | 6514               | 6521               | 6521               | 6530               | 6897               | 6905               | 6912               | 6914               | 6922               | 7309               | 7319               | 7327               | 7328               | 7337               | 7750               | 7758               | 7767               | 7768               | 7777               |                    |
|                  |                    | S/T           | 0.30           | 0.35               | 0.40               | 0.40               | 0.45               | 0.32               | 0.37               | 0.42               | 0.42               | 0.48               | 0.34               | 0.39               | 0.45               | 0.45               | 0.51               | 0.36               | 0.42               | 0.48               | 0.48               | 0.54               |                    |
|                  |                    | PI            | 0.29           | 0.30               | 0.30               | 0.30               | 0.30               | 0.31               | 0.31               | 0.31               | 0.31               | 0.31               | 0.33               | 0.33               | 0.33               | 0.33               | 0.33               | 0.35               | 0.35               | 0.35               | 0.35               | 0.35               |                    |
|                  | 68°F<br>(20.0°C)   | TC            | 6312           | 6320               | 6327               | 6328               | 6336               | 6692               | 6700               | 6707               | 6708               | 6716               | 7092               | 7101               | 7109               | 7111               | 7119               | 7519               | 7528               | 7536               | 7537               | 7546               |                    |
|                  |                    | S/T           | 0.31           | 0.36               | 0.41               | 0.41               | 0.47               | 0.33               | 0.38               | 0.43               | 0.43               | 0.50               | 0.35               | 0.41               | 0.46               | 0.46               | 0.52               | 0.37               | 0.43               | 0.49               | 0.49               | 0.56               |                    |
|                  |                    | PI            | 0.28           | 0.28               | 0.28               | 0.28               | 0.28               | 0.29               | 0.29               | 0.29               | 0.29               | 0.29               | 0.31               | 0.31               | 0.31               | 0.31               | 0.31               | 0.33               | 0.33               | 0.33               | 0.33               | 0.33               |                    |
|                  | 77°F<br>(25.0°C)   | TC            | 6119           | 6127               | 6133               | 6134               | 6142               | 6487               | 6495               | 6501               | 6503               | 6511               | 6875               | 6884               | 6892               | 6893               | 6901               | 7289               | 7297               | 7305               | 7306               | 7315               |                    |
|                  |                    | S/T           | 0.31           | 0.37               | 0.42               | 0.42               | 0.47               | 0.33               | 0.39               | 0.44               | 0.44               | 0.50               | 0.35               | 0.41               | 0.47               | 0.47               | 0.53               | 0.37               | 0.44               | 0.49               | 0.49               | 0.56               |                    |
|                  |                    | PI            | 0.26           | 0.26               | 0.26               | 0.26               | 0.26               | 0.27               | 0.27               | 0.27               | 0.27               | 0.27               | 0.29               | 0.29               | 0.29               | 0.29               | 0.29               | 0.31               | 0.31               | 0.31               | 0.31               | 0.31               |                    |
|                  | 82°F<br>(27.8°C)   | TC            | 6198           | 6206               | 6213               | 6213               | 6221               | 6571               | 6579               | 6585               | 6587               | 6594               | 6964               | 6973               | 6980               | 6982               | 6990               | 7383               | 7391               | 7399               | 7400               | 7410               |                    |
|                  |                    | S/T           | 0.32           | 0.37               | 0.42               | 0.42               | 0.48               | 0.33               | 0.39               | 0.45               | 0.45               | 0.51               | 0.35               | 0.42               | 0.47               | 0.47               | 0.54               | 0.38               | 0.44               | 0.50               | 0.50               | 0.57               |                    |
|                  |                    | PI            | 0.30           | 0.30               | 0.30               | 0.30               | 0.30               | 0.32               | 0.32               | 0.32               | 0.32               | 0.32               | 0.34               | 0.34               | 0.34               | 0.34               | 0.34               | 0.36               | 0.36               | 0.36               | 0.36               | 0.36               |                    |
|                  | 86°F<br>(30.0°C)   | TC            | 6496           | 6505               | 6512               | 6512               | 6521               | 6887               | 6895               | 6902               | 6904               | 6912               | 7299               | 7308               | 7316               | 7318               | 7326               | 7739               | 7747               | 7755               | 7757               | 7766               |                    |
|                  |                    | S/T           | 0.32           | 0.37               | 0.43               | 0.43               | 0.49               | 0.34               | 0.40               | 0.45               | 0.45               | 0.51               | 0.36               | 0.42               | 0.48               | 0.48               | 0.55               | 0.38               | 0.45               | 0.51               | 0.51               | 0.58               |                    |
|                  |                    | PI            | 0.40           | 0.40               | 0.40               | 0.40               | 0.40               | 0.42               | 0.42               | 0.42               | 0.42               | 0.42               | 0.45               | 0.45               | 0.45               | 0.45               | 0.45               | 0.47               | 0.47               | 0.47               | 0.47               | 0.48               |                    |
|                  | 95°F<br>(35.0°C)   | TC            | 7167           | 7176               | 7184               | 7185               | 7194               | 7599               | 7608               | 7615               | 7617               | 7626               | 8053               | 8063               | 8072               | 8074               | 8083               | 8538               | 8547               | 8556               | 8558               | 8568               |                    |
|                  |                    | S/T           | 0.32           | 0.37               | 0.43               |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |

## COOLING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 9 (Sheet 2 of 4)

| AIRFLOW<br>(CFM) | OUTDOOR<br>DB(°F)  | ID WB<br>(°F) | 60.8°F(16.0°C) |                    |                    |                    |                    | 64.4°F(18.0°C)     |                    |                    |                    |                    | 67°F(19.4°C)       |                    |                    |                    |                    | 71.6°F(22.0°C)     |                    |                    |                    |                    |                    |
|------------------|--------------------|---------------|----------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                  |                    |               | ID DB<br>(°F)  | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) |
|                  |                    |               | TC             | S/T                | PI                 | TC                 | S/T                | PI                 | TC                 | S/T                | PI                 | TC                 | S/T                | PI                 | TC                 | S/T                | PI                 | TC                 | S/T                | PI                 | TC                 | S/T                | PI                 |
| 206              | -22°F<br>(-30.0°C) | TC            | 6699           | 6708               | 6715               | 6716               | 6725               | 7103               | 7111               | 7118               | 7120               | 7128               | 7527               | 7537               | 7545               | 7547               | 7555               | 7981               | 7989               | 7998               | 7999               | 8009               |                    |
|                  |                    | S/T           | 0.34           | 0.40               | 0.45               | 0.45               | 0.51               | 0.36               | 0.42               | 0.48               | 0.48               | 0.54               | 0.38               | 0.45               | 0.51               | 0.51               | 0.58               | 0.40               | 0.47               | 0.54               | 0.54               | 0.61               |                    |
|                  |                    | PI            | 0.32           | 0.32               | 0.32               | 0.32               | 0.32               | 0.34               | 0.34               | 0.34               | 0.34               | 0.34               | 0.36               | 0.36               | 0.36               | 0.36               | 0.36               | 0.38               | 0.38               | 0.38               | 0.38               | 0.38               |                    |
|                  | -13°F<br>(-25.0°C) | TC            | 7257           | 7267               | 7275               | 7275               | 7285               | 7695               | 7704               | 7712               | 7713               | 7722               | 8154               | 8165               | 8174               | 8176               | 8185               | 8646               | 8655               | 8665               | 8666               | 8677               |                    |
|                  |                    | S/T           | 0.34           | 0.40               | 0.45               | 0.45               | 0.52               | 0.36               | 0.42               | 0.48               | 0.48               | 0.55               | 0.38               | 0.45               | 0.51               | 0.51               | 0.58               | 0.41               | 0.48               | 0.54               | 0.54               | 0.62               |                    |
|                  |                    | PI            | 0.35           | 0.35               | 0.35               | 0.35               | 0.35               | 0.37               | 0.37               | 0.37               | 0.37               | 0.37               | 0.39               | 0.39               | 0.39               | 0.39               | 0.39               | 0.41               | 0.41               | 0.41               | 0.41               | 0.41               |                    |
|                  | -4°F<br>(-20.0°C)  | TC            | 7816           | 7826               | 7835               | 7835               | 7846               | 8287               | 8296               | 8305               | 8306               | 8316               | 8782               | 8793               | 8803               | 8805               | 8814               | 9311               | 9321               | 9331               | 9333               | 9344               |                    |
|                  |                    | S/T           | 0.34           | 0.40               | 0.46               | 0.46               | 0.52               | 0.36               | 0.43               | 0.48               | 0.48               | 0.55               | 0.38               | 0.45               | 0.51               | 0.51               | 0.58               | 0.41               | 0.48               | 0.54               | 0.54               | 0.62               |                    |
|                  |                    | PI            | 0.37           | 0.37               | 0.37               | 0.37               | 0.37               | 0.39               | 0.40               | 0.40               | 0.40               | 0.40               | 0.42               | 0.42               | 0.42               | 0.42               | 0.42               | 0.44               | 0.44               | 0.44               | 0.44               | 0.45               |                    |
|                  | 0°F<br>(-17.8°C)   | TC            | 8064           | 8075               | 8083               | 8084               | 8095               | 8550               | 8560               | 8568               | 8570               | 8580               | 9061               | 9072               | 9082               | 9084               | 9094               | 9606               | 9617               | 9627               | 9629               | 9641               |                    |
|                  |                    | S/T           | 0.34           | 0.40               | 0.46               | 0.46               | 0.52               | 0.36               | 0.43               | 0.48               | 0.48               | 0.55               | 0.39               | 0.45               | 0.51               | 0.51               | 0.59               | 0.41               | 0.48               | 0.54               | 0.54               | 0.62               |                    |
|                  |                    | PI            | 0.38           | 0.38               | 0.39               | 0.39               | 0.39               | 0.41               | 0.41               | 0.41               | 0.41               | 0.41               | 0.43               | 0.43               | 0.43               | 0.43               | 0.43               | 0.46               | 0.46               | 0.46               | 0.46               | 0.46               |                    |
|                  | 5°F<br>(-15.0°C)   | TC            | 8374           | 8385               | 8394               | 8395               | 8406               | 8879               | 8889               | 8898               | 8900               | 8910               | 9409               | 9421               | 9432               | 9434               | 9444               | 9976               | 9987               | 9998               | 9999               | 10012              |                    |
|                  |                    | S/T           | 0.34           | 0.40               | 0.46               | 0.46               | 0.52               | 0.37               | 0.43               | 0.49               | 0.49               | 0.56               | 0.39               | 0.45               | 0.52               | 0.52               | 0.59               | 0.41               | 0.48               | 0.55               | 0.55               | 0.62               |                    |
|                  |                    | PI            | 0.40           | 0.40               | 0.40               | 0.40               | 0.40               | 0.42               | 0.42               | 0.42               | 0.42               | 0.42               | 0.45               | 0.45               | 0.45               | 0.45               | 0.45               | 0.48               | 0.48               | 0.48               | 0.48               | 0.48               |                    |
|                  | 14°F<br>(-10.0°C)  | TC            | 7635           | 7646               | 7654               | 7654               | 7665               | 8096               | 8105               | 8113               | 8115               | 8124               | 8579               | 8590               | 8600               | 8602               | 8611               | 9096               | 9106               | 9116               | 9117               | 9129               |                    |
|                  |                    | S/T           | 0.35           | 0.41               | 0.46               | 0.46               | 0.53               | 0.37               | 0.43               | 0.49               | 0.49               | 0.56               | 0.39               | 0.46               | 0.52               | 0.52               | 0.59               | 0.41               | 0.48               | 0.55               | 0.55               | 0.63               |                    |
|                  |                    | PI            | 0.35           | 0.35               | 0.35               | 0.35               | 0.35               | 0.37               | 0.37               | 0.37               | 0.37               | 0.37               | 0.39               | 0.39               | 0.39               | 0.40               | 0.40               | 0.42               | 0.42               | 0.42               | 0.42               | 0.42               |                    |
|                  | 17°F<br>(-8.3°C)   | TC            | 7389           | 7399               | 7407               | 7408               | 7418               | 7835               | 7844               | 7852               | 7853               | 7862               | 8303               | 8313               | 8323               | 8324               | 8334               | 8803               | 8812               | 8822               | 8823               | 8834               |                    |
|                  |                    | S/T           | 0.35           | 0.41               | 0.46               | 0.46               | 0.53               | 0.37               | 0.43               | 0.49               | 0.49               | 0.56               | 0.39               | 0.46               | 0.52               | 0.52               | 0.59               | 0.41               | 0.48               | 0.55               | 0.55               | 0.63               |                    |
|                  |                    | PI            | 0.33           | 0.34               | 0.34               | 0.34               | 0.34               | 0.35               | 0.36               | 0.36               | 0.36               | 0.36               | 0.38               | 0.38               | 0.38               | 0.38               | 0.38               | 0.40               | 0.40               | 0.40               | 0.40               | 0.40               |                    |
|                  | 23°F<br>(-5.0°C)   | TC            | 7541           | 7551               | 7559               | 7560               | 7570               | 7996               | 8005               | 8013               | 8015               | 8024               | 8473               | 8484               | 8494               | 8495               | 8505               | 8984               | 8994               | 9003               | 9005               | 9016               |                    |
|                  |                    | S/T           | 0.35           | 0.41               | 0.46               | 0.46               | 0.53               | 0.37               | 0.43               | 0.49               | 0.49               | 0.56               | 0.39               | 0.46               | 0.52               | 0.52               | 0.59               | 0.41               | 0.49               | 0.55               | 0.55               | 0.63               |                    |
|                  |                    | PI            | 0.35           | 0.35               | 0.35               | 0.35               | 0.36               | 0.38               | 0.38               | 0.38               | 0.38               | 0.38               | 0.40               | 0.40               | 0.40               | 0.40               | 0.40               | 0.42               | 0.42               | 0.42               | 0.42               | 0.42               |                    |
|                  | 35°F<br>(1.7°C)    | TC            | 7845           | 7856               | 7864               | 7864               | 7875               | 8318               | 8328               | 8336               | 8338               | 8347               | 8815               | 8826               | 8836               | 8838               | 8848               | 9346               | 9356               | 9366               | 9368               | 9379               |                    |
|                  |                    | S/T           | 0.35           | 0.41               | 0.47               | 0.47               | 0.53               | 0.37               | 0.44               | 0.49               | 0.49               | 0.56               | 0.39               | 0.46               | 0.52               | 0.52               | 0.60               | 0.42               | 0.49               | 0.56               | 0.56               | 0.63               |                    |
|                  |                    | PI            | 0.39           | 0.39               | 0.39               | 0.39               | 0.39               | 0.42               | 0.42               | 0.42               | 0.42               | 0.42               | 0.44               | 0.44               | 0.44               | 0.44               | 0.44               | 0.47               | 0.47               | 0.47               | 0.47               | 0.47               |                    |
|                  | 41°F<br>(5.0°C)    | TC            | 7936           | 7947               | 7956               | 7956               | 7967               | 8415               | 8425               | 8433               | 8435               | 8445               | 8917               | 8929               | 8939               | 8941               | 8951               | 9455               | 9465               | 9475               | 9477               | 9489               |                    |
|                  |                    | S/T           | 0.35           | 0.41               | 0.47               | 0.47               | 0.53               | 0.37               | 0.44               | 0.50               | 0.50               | 0.57               | 0.39               | 0.46               | 0.53               | 0.53               | 0.60               | 0.42               | 0.49               | 0.56               | 0.56               | 0.63               |                    |
|                  |                    | PI            | 0.39           | 0.39               | 0.39               | 0.39               | 0.39               | 0.41               | 0.41               | 0.41               | 0.41               | 0.41               | 0.43               | 0.43               | 0.43               | 0.43               | 0.44               | 0.46               | 0.46               | 0.46               | 0.46               | 0.46               |                    |
|                  | 47°F<br>(8.3°C)    | TC            | 8028           | 8039               | 8047               | 8048               | 8058               | 8512               | 8522               | 8530               | 8532               | 8542               | 9020               | 9032               | 9042               | 9044               | 9054               | 9564               | 9574               | 9584               | 9586               | 9598               |                    |
|                  |                    | S/T           | 0.35           | 0.41               | 0.47               | 0.47               | 0.53               | 0.37               | 0.44               | 0.50               | 0.50               | 0.57               | 0.40               | 0.46               | 0.53               | 0.53               | 0.60               | 0.42               | 0.49               | 0.56               | 0.56               | 0.64               |                    |
|                  |                    | PI            | 0.38           | 0.38               | 0.38               | 0.38               | 0.38               | 0.40               | 0.40               | 0.40               | 0.40               | 0.40               | 0.43               | 0.43               | 0.43               | 0.43               | 0.43               | 0.45               | 0.45               | 0.45               | 0.45               | 0.45               |                    |
|                  | 50°F<br>(10.0°C)   | TC            | 7951           | 7962               | 7971               | 7971               | 7982               | 8431               | 8440               | 8449               | 8450               | 8461               | 8934               | 8946               | 8956               | 8957               | 8967               | 9472               | 9483               | 9493               | 9495               | 9506               |                    |
|                  |                    | S/T           | 0.35           | 0.41               | 0.47               | 0.47               | 0.54               | 0.37               | 0.44               | 0.50               | 0.50               | 0.57               | 0.40               | 0.47               | 0.53               | 0.53               | 0.60               | 0.42               | 0.49               | 0.56               | 0.56               | 0.64               |                    |
|                  |                    | PI            | 0.37           | 0.37               | 0.37               | 0.37               | 0.37               | 0.39               | 0.40               | 0.40               | 0.40               | 0.40               | 0.42               | 0.42               | 0.42               | 0.42               | 0.42               | 0.44               | 0.44               | 0.44               | 0.44               | 0.45               |                    |
|                  | 59°F<br>(15.0°C)   | TC            | 7722           | 7732               | 7741               | 7741               | 7751               | 8187               | 8197               | 8205               | 8207               | 8216               | 8676               | 8688               | 8697               | 8699               | 8709               | 9199               | 9209               | 9219               | 9221               | 9232               |                    |
|                  |                    | S/T           | 0.36           | 0.42               | 0.47               | 0.47               | 0.54               | 0.38               | 0.44               | 0.50               | 0.50               | 0.57               | 0.40               | 0.47               | 0.53               | 0.53               | 0.61               | 0.42               | 0.50               | 0.56               | 0.56               | 0.64               |                    |
|                  |                    | PI            | 0.35           | 0.35               | 0.35               | 0.35               | 0.35               | 0.37               | 0.37               | 0.37               | 0.37               | 0.37               | 0.39               | 0.39               | 0.39               | 0.39               | 0.39               | 0.42               | 0.42               | 0.42               | 0.42               | 0.42               |                    |
|                  | 68°F<br>(20.0°C)   | TC            | 7492           | 7503               | 7511               | 7511               | 7521               | 7944               | 7953               | 7961               | 7963               | 7972               | 8419               | 8430               | 8439               | 8441               | 8450               | 8926               | 8936               | 8945               | 8947               | 8958               |                    |
|                  |                    | S/T           | 0.36           | 0.43               | 0.49               | 0.49               | 0.55               | 0.39               | 0.45               | 0.52               | 0.52               | 0.59               | 0.41               | 0.48               | 0.55               | 0.55               | 0.62               | 0.43               | 0.51               | 0.58               | 0.58               | 0.66               |                    |
|                  |                    | PI            | 0.33           | 0.33               | 0.33               | 0.33               | 0.33               | 0.35               | 0.35               | 0.35               | 0.35               | 0.35               | 0.37               | 0.37               | 0.37               | 0.37               | 0.37               | 0.39               | 0.39               | 0.39               | 0.39               | 0.39               |                    |
|                  | 77°F<br>(25.0°C)   | TC            | 7263           | 7273               | 7281               | 7281               | 7291               | 7701               | 7710               | 7717               | 7719               | 7728               | 8161               | 8171               | 8181               | 8182               | 8191               | 8653               | 8662               | 8671               | 8673               | 8684               |                    |
|                  |                    | S/T           | 0.37           | 0.43               | 0.49               | 0.49               | 0.56               | 0.39               | 0.46               | 0.52               | 0.52               | 0.60               | 0.42               | 0.49               | 0.55               | 0.55               | 0.63               | 0.44               | 0.52               | 0.59               | 0.59               | 0.67               |                    |
|                  |                    | PI            | 0.30           | 0.30               | 0.31               | 0.31               | 0.31               | 0.32               | 0.32               | 0.32               | 0.32               | 0.32               | 0.34               | 0.34               | 0.34               | 0.34               | 0.34               | 0.36               | 0.36               | 0.36               | 0.36               | 0.36               |                    |
|                  | 82°F<br>(27.8°C)   | TC            | 7357           | 7367               | 7375               | 7375               | 7385               | 7800               | 7809               | 7817               | 7819               | 7828               | 8266               | 8277               | 8286               | 8288               | 8297               | 8764               | 8774               | 8783               | 8785               | 8796               |                    |
|                  |                    | S/T           | 0.37           | 0.44               | 0.50               | 0.50               | 0.57               | 0.40               | 0.47               | 0.53               | 0.53               | 0.60               | 0.42               | 0.49               | 0.56               | 0.56               | 0.64               | 0.45               | 0.52               | 0.59               | 0.59               | 0.68               |                    |
|                  |                    | PI            | 0.35           | 0.35               | 0.35               | 0.35               | 0.36               | 0.38               | 0.38               | 0.38               | 0.38               | 0.38               | 0.40               | 0.40               | 0.40               | 0.40               | 0.40               | 0.42               | 0.42               | 0.42               | 0.42               | 0.42               |                    |
|                  | 86°F<br>(30.0°C)   | TC            | 7711           | 7721               | 7729               | 7730               | 7740               | 8175               | 8185               | 8193               | 8195               | 8205               | 8664               | 8675               | 8685               | 8686               | 8696               | 9186               | 9196               | 9206               | 9207               | 9219               |                    |
|                  |                    | S/T           | 0.38           | 0.44               | 0.51               | 0.51               | 0.58               | 0.40               | 0.47               | 0.54               | 0.54               | 0.61               | 0.43               | 0.50               | 0.57               | 0.57               | 0.65               | 0.45               | 0.53               | 0.60               | 0.60               | 0.69               |                    |
|                  |                    | PI            | 0.47           | 0.47               | 0.47               | 0.47               | 0.47               | 0.50               | 0.50               | 0.50               | 0.50               | 0.50               | 0.53               | 0.53               | 0.53               | 0.53               | 0.53               | 0.56               | 0.56               | 0.56               | 0.56               | 0.56               |                    |

## COOLING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 9 (Sheet 3 of 4)

| AIRFLOW<br>(CFM) | OUTDOOR<br>DB(°F)  | ID WB<br>(°F) | 60.8°F(16.0°C) |                    |                    |                    |                    | 64.4°F(18.0°C)     |                    |                    |                    |                    | 67°F(19.4°C)       |                    |                    |                    |                    | 71.6°F(22.0°C)     |                    |                    |                    |                    |                    |
|------------------|--------------------|---------------|----------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                  |                    |               | ID DB<br>(°F)  | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) |
|                  |                    |               |                |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |
| 265              | -22°F<br>(-30.0°C) | TC            | 7952           | 7963               | 7971               | 7972               | 7982               | 8431               | 8441               | 8450               | 8451               | 8461               | 8935               | 8947               | 8957               | 8958               | 8968               | 9473               | 9484               | 9494               | 9496               | 9507               |                    |
|                  |                    | S/T           | 0.40           | 0.47               | 0.53               | 0.53               | 0.61               | 0.43               | 0.50               | 0.57               | 0.57               | 0.65               | 0.45               | 0.53               | 0.60               | 0.60               | 0.68               | 0.48               | 0.56               | 0.64               | 0.64               | 0.73               |                    |
|                  |                    | PI            | 0.38           | 0.38               | 0.38               | 0.38               | 0.38               | 0.40               | 0.40               | 0.40               | 0.40               | 0.40               | 0.43               | 0.43               | 0.43               | 0.43               | 0.43               | 0.45               | 0.45               | 0.45               | 0.45               | 0.45               |                    |
|                  | -13°F<br>(-25.0°C) | TC            | 8615           | 8626               | 8636               | 8636               | 8648               | 9134               | 9145               | 9154               | 9156               | 9166               | 9680               | 9692               | 9703               | 9705               | 9716               | 10263              | 10274              | 10285              | 10287              | 10300              |                    |
|                  |                    | S/T           | 0.40           | 0.47               | 0.54               | 0.54               | 0.61               | 0.43               | 0.50               | 0.57               | 0.57               | 0.65               | 0.45               | 0.53               | 0.60               | 0.60               | 0.69               | 0.48               | 0.56               | 0.64               | 0.64               | 0.73               |                    |
|                  |                    | PI            | 0.41           | 0.41               | 0.41               | 0.41               | 0.41               | 0.44               | 0.44               | 0.44               | 0.44               | 0.44               | 0.46               | 0.46               | 0.46               | 0.46               | 0.46               | 0.49               | 0.49               | 0.49               | 0.49               | 0.49               |                    |
|                  | -4°F<br>(-20.0°C)  | TC            | 9277           | 9290               | 9300               | 9300               | 9313               | 9837               | 9848               | 9858               | 9860               | 9872               | 10424              | 10438              | 10449              | 10451              | 10463              | 11052              | 11064              | 11076              | 11078              | 11092              |                    |
|                  |                    | S/T           | 0.41           | 0.48               | 0.54               | 0.54               | 0.62               | 0.43               | 0.51               | 0.57               | 0.57               | 0.65               | 0.46               | 0.54               | 0.61               | 0.61               | 0.69               | 0.48               | 0.57               | 0.64               | 0.64               | 0.74               |                    |
|                  |                    | PI            | 0.44           | 0.44               | 0.44               | 0.44               | 0.44               | 0.47               | 0.47               | 0.47               | 0.47               | 0.47               | 0.50               | 0.50               | 0.50               | 0.50               | 0.50               | 0.53               | 0.53               | 0.53               | 0.53               | 0.53               |                    |
|                  | 0°F<br>(-17.8°C)   | TC            | 9572           | 9585               | 9595               | 9596               | 9609               | 10149              | 10161              | 10171              | 10173              | 10185              | 10755              | 10769              | 10781              | 10783              | 10795              | 11403              | 11416              | 11428              | 11430              | 11444              |                    |
|                  |                    | S/T           | 0.41           | 0.48               | 0.54               | 0.54               | 0.62               | 0.43               | 0.51               | 0.58               | 0.58               | 0.66               | 0.46               | 0.54               | 0.61               | 0.61               | 0.70               | 0.48               | 0.57               | 0.65               | 0.65               | 0.74               |                    |
|                  |                    | PI            | 0.46           | 0.46               | 0.46               | 0.46               | 0.46               | 0.48               | 0.48               | 0.48               | 0.48               | 0.49               | 0.51               | 0.51               | 0.51               | 0.51               | 0.51               | 0.54               | 0.54               | 0.54               | 0.54               | 0.55               |                    |
|                  | 5°F<br>(-15.0°C)   | TC            | 9940           | 9953               | 9964               | 9965               | 9978               | 10539              | 10552              | 10562              | 10564              | 10577              | 11169              | 11183              | 11196              | 11198              | 11210              | 11842              | 11855              | 11868              | 11869              | 11884              |                    |
|                  |                    | S/T           | 0.41           | 0.48               | 0.55               | 0.55               | 0.62               | 0.43               | 0.51               | 0.58               | 0.58               | 0.66               | 0.46               | 0.54               | 0.61               | 0.61               | 0.70               | 0.49               | 0.57               | 0.65               | 0.65               | 0.74               |                    |
|                  |                    | PI            | 0.47           | 0.47               | 0.47               | 0.47               | 0.48               | 0.50               | 0.50               | 0.50               | 0.50               | 0.50               | 0.53               | 0.53               | 0.53               | 0.53               | 0.53               | 0.56               | 0.56               | 0.57               | 0.57               | 0.57               |                    |
|                  | 14°F<br>(-10.0°C)  | TC            | 9063           | 9076               | 9085               | 9086               | 9098               | 9610               | 9621               | 9631               | 9632               | 9644               | 10184              | 10197              | 10208              | 10210              | 10222              | 10797              | 10809              | 10821              | 10823              | 10836              |                    |
|                  |                    | S/T           | 0.41           | 0.48               | 0.55               | 0.55               | 0.62               | 0.43               | 0.51               | 0.58               | 0.58               | 0.66               | 0.46               | 0.54               | 0.61               | 0.61               | 0.70               | 0.49               | 0.57               | 0.65               | 0.65               | 0.74               |                    |
|                  |                    | PI            | 0.42           | 0.42               | 0.42               | 0.42               | 0.42               | 0.44               | 0.44               | 0.44               | 0.44               | 0.44               | 0.47               | 0.47               | 0.47               | 0.47               | 0.47               | 0.50               | 0.50               | 0.50               | 0.50               | 0.50               |                    |
|                  | 17°F<br>(-8.3°C)   | TC            | 8771           | 8783               | 8793               | 8793               | 8805               | 9300               | 9311               | 9320               | 9322               | 9333               | 9856               | 9868               | 9879               | 9881               | 9892               | 10449              | 10461              | 10472              | 10474              | 10487              |                    |
|                  |                    | S/T           | 0.41           | 0.48               | 0.55               | 0.55               | 0.63               | 0.44               | 0.51               | 0.58               | 0.58               | 0.66               | 0.46               | 0.54               | 0.62               | 0.62               | 0.70               | 0.49               | 0.57               | 0.65               | 0.65               | 0.74               |                    |
|                  |                    | PI            | 0.40           | 0.40               | 0.40               | 0.40               | 0.40               | 0.42               | 0.42               | 0.42               | 0.42               | 0.42               | 0.45               | 0.45               | 0.45               | 0.45               | 0.45               | 0.47               | 0.47               | 0.47               | 0.47               | 0.47               |                    |
|                  | 23°F<br>(-5.0°C)   | TC            | 8952           | 8964               | 8973               | 8974               | 8986               | 9491               | 9502               | 9512               | 9514               | 9525               | 10058              | 10071              | 10082              | 10084              | 10096              | 10664              | 10676              | 10687              | 10689              | 10702              |                    |
|                  |                    | S/T           | 0.41           | 0.49               | 0.55               | 0.55               | 0.63               | 0.44               | 0.51               | 0.58               | 0.58               | 0.67               | 0.46               | 0.54               | 0.62               | 0.62               | 0.71               | 0.49               | 0.58               | 0.66               | 0.66               | 0.75               |                    |
|                  |                    | PI            | 0.42           | 0.42               | 0.42               | 0.42               | 0.42               | 0.45               | 0.45               | 0.45               | 0.45               | 0.45               | 0.47               | 0.47               | 0.47               | 0.47               | 0.47               | 0.50               | 0.50               | 0.50               | 0.50               | 0.50               |                    |
|                  | 35°F<br>(1.7°C)    | TC            | 9312           | 9325               | 9335               | 9335               | 9348               | 9874               | 9885               | 9895               | 9897               | 9909               | 10463              | 10477              | 10489              | 10491              | 10502              | 11094              | 11106              | 11118              | 11120              | 11134              |                    |
|                  |                    | S/T           | 0.42           | 0.49               | 0.55               | 0.55               | 0.63               | 0.44               | 0.52               | 0.59               | 0.59               | 0.67               | 0.47               | 0.55               | 0.62               | 0.62               | 0.71               | 0.49               | 0.58               | 0.66               | 0.66               | 0.75               |                    |
|                  |                    | PI            | 0.47           | 0.47               | 0.47               | 0.47               | 0.47               | 0.49               | 0.49               | 0.49               | 0.49               | 0.50               | 0.52               | 0.52               | 0.52               | 0.52               | 0.52               | 0.55               | 0.55               | 0.56               | 0.56               | 0.56               |                    |
|                  | 41°F<br>(5.0°C)    | TC            | 9421           | 9433               | 9444               | 9444               | 9457               | 9989               | 10000              | 10010              | 10012              | 10024              | 10585              | 10599              | 10611              | 10613              | 10625              | 11223              | 11235              | 11247              | 11249              | 11263              |                    |
|                  |                    | S/T           | 0.42           | 0.49               | 0.56               | 0.56               | 0.63               | 0.44               | 0.52               | 0.59               | 0.59               | 0.67               | 0.47               | 0.55               | 0.62               | 0.62               | 0.71               | 0.50               | 0.58               | 0.66               | 0.66               | 0.75               |                    |
|                  |                    | PI            | 0.46           | 0.46               | 0.46               | 0.46               | 0.46               | 0.49               | 0.49               | 0.49               | 0.49               | 0.49               | 0.51               | 0.52               | 0.52               | 0.52               | 0.52               | 0.55               | 0.55               | 0.55               | 0.55               | 0.55               |                    |
|                  | 47°F<br>(8.3°C)    | TC            | 9529           | 9542               | 9552               | 9553               | 9566               | 10104              | 10115              | 10125              | 10127              | 10140              | 10707              | 10721              | 10733              | 10735              | 10747              | 11352              | 11365              | 11377              | 11379              | 11393              |                    |
|                  |                    | S/T           | 0.42           | 0.49               | 0.56               | 0.56               | 0.63               | 0.44               | 0.52               | 0.59               | 0.59               | 0.67               | 0.47               | 0.55               | 0.63               | 0.63               | 0.71               | 0.50               | 0.58               | 0.66               | 0.66               | 0.76               |                    |
|                  |                    | PI            | 0.45           | 0.45               | 0.45               | 0.45               | 0.45               | 0.48               | 0.48               | 0.48               | 0.48               | 0.48               | 0.51               | 0.51               | 0.51               | 0.51               | 0.51               | 0.54               | 0.54               | 0.54               | 0.54               | 0.54               |                    |
|                  | 50°F<br>(10.0°C)   | TC            | 9438           | 9451               | 9461               | 9462               | 9475               | 10007              | 10019              | 10029              | 10031              | 10043              | 10605              | 10619              | 10631              | 10633              | 10645              | 11244              | 11256              | 11269              | 11270              | 11284              |                    |
|                  |                    | S/T           | 0.42           | 0.49               | 0.56               | 0.56               | 0.64               | 0.44               | 0.52               | 0.59               | 0.59               | 0.68               | 0.47               | 0.55               | 0.63               | 0.63               | 0.72               | 0.50               | 0.59               | 0.67               | 0.67               | 0.76               |                    |
|                  |                    | PI            | 0.44           | 0.44               | 0.44               | 0.44               | 0.44               | 0.47               | 0.47               | 0.47               | 0.47               | 0.47               | 0.50               | 0.50               | 0.50               | 0.50               | 0.50               | 0.53               | 0.53               | 0.53               | 0.53               | 0.53               |                    |
|                  | 59°F<br>(15.0°C)   | TC            | 9166           | 9178               | 9188               | 9189               | 9201               | 9719               | 9730               | 9740               | 9742               | 9753               | 10299              | 10313              | 10324              | 10326              | 10337              | 10920              | 10932              | 10943              | 10945              | 10959              |                    |
|                  |                    | S/T           | 0.42           | 0.49               | 0.56               | 0.56               | 0.64               | 0.45               | 0.52               | 0.60               | 0.60               | 0.68               | 0.47               | 0.56               | 0.63               | 0.63               | 0.72               | 0.50               | 0.59               | 0.67               | 0.67               | 0.76               |                    |
|                  |                    | PI            | 0.42           | 0.42               | 0.42               | 0.42               | 0.42               | 0.44               | 0.44               | 0.44               | 0.44               | 0.44               | 0.47               | 0.47               | 0.47               | 0.47               | 0.47               | 0.49               | 0.50               | 0.50               | 0.50               | 0.50               |                    |
|                  | 68°F<br>(20.0°C)   | TC            | 8894           | 8906               | 8915               | 8916               | 8928               | 9430               | 9441               | 9450               | 9452               | 9463               | 9993               | 10006              | 10017              | 10019              | 10030              | 10595              | 10607              | 10618              | 10620              | 10633              |                    |
|                  |                    | S/T           | 0.43           | 0.51               | 0.58               | 0.58               | 0.66               | 0.46               | 0.54               | 0.61               | 0.61               | 0.70               | 0.49               | 0.57               | 0.65               | 0.65               | 0.74               | 0.52               | 0.61               | 0.69               | 0.69               | 0.78               |                    |
|                  |                    | PI            | 0.39           | 0.39               | 0.39               | 0.39               | 0.39               | 0.41               | 0.41               | 0.41               | 0.41               | 0.41               | 0.44               | 0.44               | 0.44               | 0.44               | 0.44               | 0.46               | 0.46               | 0.46               | 0.46               | 0.46               |                    |
|                  | 77°F<br>(25.0°C)   | TC            | 8621           | 8633               | 8642               | 8643               | 8654               | 9141               | 9152               | 9161               | 9163               | 9174               | 9687               | 9700               | 9711               | 9712               | 9723               | 10271              | 10282              | 10293              | 10295              | 10308              |                    |
|                  |                    | S/T           | 0.44           | 0.51               | 0.58               | 0.58               | 0.67               | 0.46               | 0.55               | 0.62               | 0.62               | 0.71               | 0.49               | 0.58               | 0.66               | 0.66               | 0.75               | 0.52               | 0.61               | 0.70               | 0.70               | 0.79               |                    |
|                  |                    | PI            | 0.36           | 0.36               | 0.36               | 0.36               | 0.36               | 0.38               | 0.38               | 0.38               | 0.38               | 0.38               | 0.41               | 0.41               | 0.41               | 0.41               | 0.41               | 0.43               | 0.43               | 0.43               | 0.43               | 0.43               |                    |
|                  | 82°F<br>(27.8°C)   | TC            | 8733           | 8744               | 8754               | 8754               | 8766               | 9259               | 9270               | 9279               | 9281               | 9292               | 9812               | 9825               | 9836               | 9838               | 9849               | 10403              | 10415              | 10426              | 10428              | 10441              |                    |
|                  |                    | S/T           | 0.44           | 0.52               | 0.59               | 0.59               | 0.68               | 0.47               | 0.55               | 0.63               | 0.63               | 0.72               | 0.50               | 0.59               | 0.67               | 0.67               | 0.76               | 0.53               | 0.62               | 0.71               | 0.71               | 0.80               |                    |
|                  |                    | PI            | 0.42           | 0.42               | 0.42               | 0.42               | 0.42               | 0.45               | 0.45               | 0.45               | 0.45               | 0.45               | 0.47               | 0.47               | 0.47               | 0.47               | 0.47               | 0.50               | 0.50               | 0.50               | 0.50               | 0.50               |                    |
|                  | 86°F<br>(30.0°C)   | TC            | 9153           | 9165               | 9175               | 9175               | 9188               | 9704               | 9716               | 9726               | 9727               | 9739               | 10284              | 10298              | 10309              | 10311              | 10323              | 10904              | 10916              | 10928              | 10929              | 10943              |                    |
|                  |                    | S/T           | 0.45           | 0.53               | 0.60               | 0.60               | 0.68               | 0.48               | 0.56               | 0.64               | 0.64               | 0.72               | 0.51               | 0.59               | 0.67               | 0.67               | 0.77               | 0.54               | 0.63               | 0.71               | 0.71               | 0.81               |                    |
|                  |                    | PI            | 0.56           | 0.56               | 0.56               | 0.56               | 0.56               | 0.59               | 0.59               | 0.60               | 0.60               | 0.60               | 0.63               | 0.63               | 0.63               | 0.63               | 0.63               | 0.67               | 0.67               | 0.67               | 0.67               | 0.67               |                    |
|                  | 95°F<br>(35.0°C)   | TC            | 10098          | 10112              | 10123              | 10120              |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |

## COOLING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 9 (Sheet 4 of 4)

| AIRFLOW<br>(CFM) | OUTDOOR<br>DB(°F)  | ID WB<br>(°F) | 60.8°F(16.0°C) |          |          |          |          | 64.4°F(18.0°C) |          |          |          |          | 67°F(19.4°C) |          |          |          |          | 71.6°F(22.0°C) |          |          |          |          |          |
|------------------|--------------------|---------------|----------------|----------|----------|----------|----------|----------------|----------|----------|----------|----------|--------------|----------|----------|----------|----------|----------------|----------|----------|----------|----------|----------|
|                  |                    |               | ID DB          | 73.4°F   | 77.0°F   | 80.0°F   | 80.6°F   | 84.2°F         | 73.4°F   | 77.0°F   | 80.0°F   | 80.6°F   | 84.2°F       | 73.4°F   | 77.0°F   | 80.0°F   | 80.6°F   | 84.2°F         | 73.4°F   | 77.0°F   | 80.0°F   | 80.6°F   | 84.2°F   |
|                  |                    |               | (°C)           | (23.0°C) | (25.0°C) | (26.7°C) | (27.0°C) | (29.0°C)       | (23.0°C) | (25.0°C) | (26.7°C) | (27.0°C) | (29.0°C)     | (23.0°C) | (25.0°C) | (26.7°C) | (27.0°C) | (29.0°C)       | (23.0°C) | (25.0°C) | (26.7°C) | (27.0°C) | (29.0°C) |
| 324              | -22°F<br>(-30.0°C) | TC            | 9439           | 9452     | 9462     | 9463     | 9475     | 10008          | 10020    | 10030    | 10032    | 10044    | 10606        | 10620    | 10632    | 10634    | 10646    | 11245          | 11257    | 11270    | 11271    | 11285    |          |
|                  |                    | S/T           | 0.48           | 0.56     | 0.63     | 0.63     | 0.72     | 0.50           | 0.59     | 0.67     | 0.67     | 0.77     | 0.53         | 0.63     | 0.71     | 0.71     | 0.81     | 0.57           | 0.67     | 0.76     | 0.76     | 0.86     |          |
|                  |                    | PI            | 0.45           | 0.45     | 0.45     | 0.45     | 0.45     | 0.48           | 0.48     | 0.48     | 0.48     | 0.48     | 0.51         | 0.51     | 0.51     | 0.51     | 0.51     | 0.54           | 0.54     | 0.54     | 0.54     | 0.54     |          |
|                  | -13°F<br>(-25.0°C) | TC            | 10226          | 10240    | 10251    | 10251    | 10265    | 10842          | 10855    | 10866    | 10868    | 10881    | 11490        | 11505    | 11518    | 11520    | 11533    | 12182          | 12196    | 12209    | 12211    | 12226    |          |
|                  |                    | S/T           | 0.48           | 0.56     | 0.64     | 0.64     | 0.73     | 0.51           | 0.60     | 0.68     | 0.68     | 0.77     | 0.54         | 0.63     | 0.72     | 0.72     | 0.82     | 0.57           | 0.67     | 0.76     | 0.76     | 0.87     |          |
|                  |                    | PI            | 0.49           | 0.49     | 0.49     | 0.49     | 0.49     | 0.52           | 0.52     | 0.52     | 0.52     | 0.52     | 0.55         | 0.55     | 0.55     | 0.55     | 0.55     | 0.58           | 0.58     | 0.58     | 0.58     | 0.58     |          |
|                  | -4°F<br>(-20.0°C)  | TC            | 11013          | 11027    | 11039    | 11040    | 11055    | 11676          | 11690    | 11702    | 11704    | 11718    | 12374        | 12390    | 12404    | 12406    | 12420    | 13119          | 13134    | 13148    | 13150    | 13166    |          |
|                  |                    | S/T           | 0.48           | 0.57     | 0.64     | 0.64     | 0.73     | 0.51           | 0.60     | 0.68     | 0.68     | 0.78     | 0.54         | 0.64     | 0.72     | 0.72     | 0.82     | 0.57           | 0.67     | 0.77     | 0.77     | 0.87     |          |
|                  |                    | PI            | 0.52           | 0.53     | 0.53     | 0.53     | 0.53     | 0.56           | 0.56     | 0.56     | 0.56     | 0.56     | 0.59         | 0.59     | 0.59     | 0.59     | 0.59     | 0.62           | 0.63     | 0.63     | 0.63     | 0.63     |          |
|                  | 0°F<br>(-17.8°C)   | TC            | 11362          | 11377    | 11390    | 11390    | 11406    | 12047          | 12061    | 12073    | 12076    | 12090    | 12767        | 12783    | 12798    | 12800    | 12814    | 13536          | 13551    | 13565    | 13567    | 13584    |          |
|                  |                    | S/T           | 0.48           | 0.57     | 0.64     | 0.64     | 0.73     | 0.51           | 0.60     | 0.68     | 0.68     | 0.78     | 0.54         | 0.64     | 0.72     | 0.72     | 0.83     | 0.58           | 0.68     | 0.77     | 0.77     | 0.88     |          |
|                  |                    | PI            | 0.54           | 0.54     | 0.54     | 0.54     | 0.54     | 0.57           | 0.57     | 0.58     | 0.58     | 0.58     | 0.61         | 0.61     | 0.61     | 0.61     | 0.61     | 0.64           | 0.65     | 0.65     | 0.65     | 0.65     |          |
|                  | 5°F<br>(-15.0°C)   | TC            | 11799          | 11815    | 11828    | 11828    | 11844    | 12510          | 12525    | 12537    | 12540    | 12555    | 13258        | 13275    | 13290    | 13292    | 13307    | 14057          | 14072    | 14087    | 14089    | 14107    |          |
|                  |                    | S/T           | 0.49           | 0.57     | 0.65     | 0.65     | 0.74     | 0.51           | 0.60     | 0.69     | 0.69     | 0.78     | 0.55         | 0.64     | 0.73     | 0.73     | 0.83     | 0.58           | 0.68     | 0.77     | 0.77     | 0.88     |          |
|                  |                    | PI            | 0.56           | 0.56     | 0.56     | 0.56     | 0.56     | 0.60           | 0.60     | 0.60     | 0.60     | 0.60     | 0.63         | 0.63     | 0.63     | 0.63     | 0.63     | 0.67           | 0.67     | 0.67     | 0.67     | 0.67     |          |
|                  | 14°F<br>(-10.0°C)  | TC            | 10759          | 10773    | 10785    | 10785    | 10800    | 11407          | 11421    | 11432    | 11434    | 11448    | 12089        | 12104    | 12118    | 12120    | 12133    | 12817          | 12831    | 12845    | 12847    | 12863    |          |
|                  |                    | S/T           | 0.49           | 0.57     | 0.65     | 0.65     | 0.74     | 0.52           | 0.61     | 0.69     | 0.69     | 0.78     | 0.55         | 0.64     | 0.73     | 0.73     | 0.83     | 0.58           | 0.68     | 0.77     | 0.77     | 0.88     |          |
|                  |                    | PI            | 0.49           | 0.49     | 0.50     | 0.50     | 0.50     | 0.52           | 0.52     | 0.53     | 0.53     | 0.53     | 0.56         | 0.56     | 0.56     | 0.56     | 0.56     | 0.59           | 0.59     | 0.59     | 0.59     | 0.59     |          |
|                  | 17°F<br>(-8.3°C)   | TC            | 10412          | 10426    | 10437    | 10437    | 10452    | 11039          | 11052    | 11063    | 11065    | 11079    | 11699        | 11714    | 11727    | 11729    | 11742    | 12404          | 12417    | 12431    | 12433    | 12448    |          |
|                  |                    | S/T           | 0.49           | 0.57     | 0.65     | 0.65     | 0.74     | 0.52           | 0.61     | 0.69     | 0.69     | 0.79     | 0.55         | 0.64     | 0.73     | 0.73     | 0.83     | 0.58           | 0.68     | 0.78     | 0.78     | 0.88     |          |
|                  |                    | PI            | 0.47           | 0.47     | 0.47     | 0.47     | 0.47     | 0.50           | 0.50     | 0.50     | 0.50     | 0.50     | 0.53         | 0.53     | 0.53     | 0.53     | 0.53     | 0.56           | 0.56     | 0.56     | 0.56     | 0.56     |          |
|                  | 23°F<br>(-5.0°C)   | TC            | 10626          | 10640    | 10652    | 10652    | 10666    | 11266          | 11280    | 11291    | 11293    | 11306    | 11939        | 11955    | 11968    | 11970    | 11984    | 12659          | 12672    | 12686    | 12688    | 12704    |          |
|                  |                    | S/T           | 0.49           | 0.58     | 0.65     | 0.65     | 0.75     | 0.52           | 0.61     | 0.69     | 0.69     | 0.79     | 0.55         | 0.65     | 0.74     | 0.74     | 0.84     | 0.58           | 0.69     | 0.78     | 0.78     | 0.89     |          |
|                  |                    | PI            | 0.50           | 0.50     | 0.50     | 0.50     | 0.50     | 0.53           | 0.53     | 0.53     | 0.53     | 0.53     | 0.56         | 0.56     | 0.56     | 0.56     | 0.56     | 0.59           | 0.59     | 0.60     | 0.60     | 0.60     |          |
|                  | 35°F<br>(1.7°C)    | TC            | 11054          | 11069    | 11081    | 11081    | 11096    | 11720          | 11734    | 11746    | 11748    | 11762    | 12420        | 12437    | 12450    | 12453    | 12467    | 13169          | 13183    | 13197    | 13199    | 13216    |          |
|                  |                    | S/T           | 0.49           | 0.58     | 0.66     | 0.66     | 0.75     | 0.52           | 0.61     | 0.70     | 0.70     | 0.79     | 0.55         | 0.65     | 0.74     | 0.74     | 0.84     | 0.59           | 0.69     | 0.78     | 0.78     | 0.89     |          |
|                  |                    | PI            | 0.55           | 0.55     | 0.55     | 0.55     | 0.55     | 0.59           | 0.59     | 0.59     | 0.59     | 0.59     | 0.62         | 0.62     | 0.62     | 0.62     | 0.62     | 0.66           | 0.66     | 0.66     | 0.66     | 0.66     |          |
|                  | 41°F<br>(5.0°C)    | TC            | 11183          | 11198    | 11210    | 11210    | 11225    | 11857          | 11871    | 11882    | 11885    | 11899    | 12565        | 12581    | 12595    | 12598    | 12612    | 13322          | 13337    | 13351    | 13353    | 13370    |          |
|                  |                    | S/T           | 0.49           | 0.58     | 0.66     | 0.66     | 0.75     | 0.52           | 0.61     | 0.70     | 0.70     | 0.80     | 0.56         | 0.65     | 0.74     | 0.74     | 0.84     | 0.59           | 0.69     | 0.78     | 0.78     | 0.89     |          |
|                  |                    | PI            | 0.54           | 0.54     | 0.55     | 0.55     | 0.55     | 0.58           | 0.58     | 0.58     | 0.58     | 0.58     | 0.61         | 0.61     | 0.61     | 0.61     | 0.61     | 0.65           | 0.65     | 0.65     | 0.65     | 0.65     |          |
|                  | 47°F<br>(8.3°C)    | TC            | 11312          | 11327    | 11339    | 11339    | 11355    | 11993          | 12007    | 12019    | 12022    | 12036    | 12710        | 12726    | 12740    | 12743    | 12757    | 13476          | 13490    | 13505    | 13507    | 13524    |          |
|                  |                    | S/T           | 0.50           | 0.58     | 0.66     | 0.66     | 0.75     | 0.53           | 0.62     | 0.70     | 0.70     | 0.80     | 0.56         | 0.65     | 0.74     | 0.74     | 0.85     | 0.59           | 0.69     | 0.79     | 0.79     | 0.90     |          |
|                  |                    | PI            | 0.54           | 0.54     | 0.54     | 0.54     | 0.54     | 0.57           | 0.57     | 0.57     | 0.57     | 0.57     | 0.60         | 0.60     | 0.60     | 0.60     | 0.60     | 0.64           | 0.64     | 0.64     | 0.64     | 0.64     |          |
|                  | 50°F<br>(10.0°C)   | TC            | 11204          | 11219    | 11231    | 11231    | 11247    | 11879          | 11893    | 11905    | 11907    | 11921    | 12589        | 12605    | 12619    | 12621    | 12635    | 13347          | 13362    | 13376    | 13378    | 13395    |          |
|                  |                    | S/T           | 0.50           | 0.58     | 0.66     | 0.66     | 0.76     | 0.53           | 0.62     | 0.70     | 0.70     | 0.80     | 0.56         | 0.66     | 0.75     | 0.75     | 0.85     | 0.59           | 0.70     | 0.79     | 0.79     | 0.90     |          |
|                  |                    | PI            | 0.52           | 0.53     | 0.53     | 0.53     | 0.53     | 0.56           | 0.56     | 0.56     | 0.56     | 0.56     | 0.59         | 0.59     | 0.59     | 0.59     | 0.59     | 0.63           | 0.63     | 0.63     | 0.63     | 0.63     |          |
|                  | 59°F<br>(15.0°C)   | TC            | 10880          | 10895    | 10907    | 10907    | 10922    | 11536          | 11550    | 11561    | 11564    | 11577    | 12225        | 12241    | 12255    | 12257    | 12271    | 12962          | 12976    | 12990    | 12992    | 13008    |          |
|                  |                    | S/T           | 0.50           | 0.59     | 0.67     | 0.67     | 0.76     | 0.53           | 0.62     | 0.71     | 0.71     | 0.81     | 0.56         | 0.66     | 0.75     | 0.75     | 0.86     | 0.60           | 0.70     | 0.80     | 0.80     | 0.91     |          |
|                  |                    | PI            | 0.49           | 0.49     | 0.49     | 0.49     | 0.49     | 0.52           | 0.52     | 0.52     | 0.52     | 0.52     | 0.55         | 0.55     | 0.56     | 0.56     | 0.56     | 0.59           | 0.59     | 0.59     | 0.59     | 0.59     |          |
|                  | 68°F<br>(20.0°C)   | TC            | 10557          | 10571    | 10583    | 10583    | 10598    | 11193          | 11207    | 11218    | 11220    | 11233    | 11862        | 11878    | 11891    | 11893    | 11906    | 12577          | 12591    | 12604    | 12606    | 12622    |          |
|                  |                    | S/T           | 0.51           | 0.60     | 0.69     | 0.69     | 0.78     | 0.54           | 0.64     | 0.73     | 0.73     | 0.83     | 0.58         | 0.68     | 0.77     | 0.77     | 0.88     | 0.61           | 0.72     | 0.82     | 0.82     | 0.93     |          |
|                  |                    | PI            | 0.46           | 0.46     | 0.46     | 0.46     | 0.46     | 0.49           | 0.49     | 0.49     | 0.49     | 0.49     | 0.52         | 0.52     | 0.52     | 0.52     | 0.52     | 0.55           | 0.55     | 0.55     | 0.55     | 0.55     |          |
|                  | 77°F<br>(25.0°C)   | TC            | 10234          | 10248    | 10259    | 10259    | 10273    | 10851          | 10864    | 10874    | 10876    | 10889    | 11499        | 11514    | 11527    | 11529    | 11542    | 12192          | 12205    | 12218    | 12220    | 12235    |          |
|                  |                    | S/T           | 0.52           | 0.61     | 0.69     | 0.69     | 0.79     | 0.55           | 0.65     | 0.74     | 0.74     | 0.84     | 0.59         | 0.69     | 0.78     | 0.78     | 0.89     | 0.62           | 0.73     | 0.83     | 0.83     | 0.94     |          |
|                  |                    | PI            | 0.43           | 0.43     | 0.43     | 0.43     | 0.43     | 0.45           | 0.46     | 0.46     | 0.46     | 0.46     | 0.48         | 0.48     | 0.48     | 0.48     | 0.48     | 0.51           | 0.51     | 0.51     | 0.51     | 0.51     |          |
|                  | 82°F<br>(27.8°C)   | TC            | 10366          | 10380    | 10391    | 10392    | 10406    | 10991          | 11004    | 11015    | 11017    | 11030    | 11647        | 11662    | 11675    | 11678    | 11691    | 12349          | 12362    | 12376    | 12378    | 12393    |          |
|                  |                    | S/T           | 0.53           | 0.62     | 0.70     | 0.70     | 0.80     | 0.56           | 0.66     | 0.75     | 0.75     | 0.85     | 0.59         | 0.70     | 0.79     | 0.79     | 0.90     | 0.63           | 0.74     | 0.84     | 0.84     | 0.95     |          |
|                  |                    | PI            | 0.50           | 0.50     | 0.50     | 0.50     | 0.50     | 0.53           | 0.53     | 0.53     | 0.53     | 0.53     | 0.56         | 0.56     | 0.56     | 0.56     | 0.56     | 0.59           | 0.59     | 0.60     | 0.60     | 0.60     |          |
|                  | 86°F<br>(30.0°C)   | TC            | 10865          | 10879    | 10891    | 10892    | 10906    | 11519          | 11533    | 11545    | 11547    | 11561    | 12208        | 12224    | 12237    | 12239    | 12253    | 12943          | 12957    | 12971    | 12973    | 12990    |          |
|                  |                    | S/T           | 0.53           | 0.63     | 0.71     | 0.71     | 0.81     | 0.57           | 0.66     | 0.75     | 0.75     | 0.86     | 0.60         | 0.70     | 0.80     | 0.80     | 0.91     | 0.64           | 0.75     | 0.85     | 0.85     | 0.97     |          |
|                  |                    | PI            | 0.66           | 0.67     | 0.67     | 0.67     | 0.67     | 0.70           | 0.71     | 0.71     | 0.71     | 0.71     | 0.75         | 0.75     | 0.75     | 0.75     | 0.75     | 0.79           | 0.79     | 0.79     | 0.79     | 0.79     |          |
|                  | 95°F<br>(35.0°C)   | TC            | 11987          | 12003    | 12016    | 12017    | 12033    | 12709          | 12724    |          |          |          |              |          |          |          |          |                |          |          |          |          |          |

**Table 46 — Low Static Heating Performance (9K)**

HEATING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 9 (Sheet 1 of 2)

| AIRFLOW<br>(CFM) | OUTDOOR<br>DB (°F) | TC: Total Heating Capacity (BTU/hr) |                  |                  |                    |                    | PI: Power Input (kW)      |                  |                  |                    |                    |
|------------------|--------------------|-------------------------------------|------------------|------------------|--------------------|--------------------|---------------------------|------------------|------------------|--------------------|--------------------|
|                  |                    | Indoor Conditions (DB °F)           |                  |                  |                    |                    | Indoor Conditions (DB °F) |                  |                  |                    |                    |
|                  |                    | 60.8°F<br>(16.0°C)                  | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) | 60.8°F<br>(16.0°C)        | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) |
| 147              | -22°F(-30.0°C)     | 3784                                | 3708             | 3690             | 3452               | 3421               | 1.41                      | 1.43             | 1.43             | 1.43               | 1.44               |
|                  | -13°F(-25.0°C)     | 4701                                | 4607             | 4584             | 4124               | 4087               | 1.52                      | 1.53             | 1.54             | 1.54               | 1.54               |
|                  | -4°F(-20.0°C)      | 5950                                | 5831             | 5802             | 5220               | 5173               | 1.63                      | 1.64             | 1.64             | 1.65               | 1.65               |
|                  | 0°F(-17.8°C)       | 6355                                | 6228             | 6197             | 5575               | 5525               | 1.65                      | 1.66             | 1.67             | 1.67               | 1.68               |
|                  | 5°F(-15.0°C)       | 6862                                | 6725             | 6691             | 6020               | 5966               | 1.68                      | 1.69             | 1.70             | 1.70               | 1.71               |
|                  | 14°F(-10.0°C)      | 7563                                | 7412             | 7375             | 6635               | 6576               | 1.74                      | 1.75             | 1.76             | 1.76               | 1.77               |
|                  | 17°F(-8.3°C)       | 7797                                | 7641             | 7603             | 6840               | 6779               | 1.76                      | 1.77             | 1.78             | 1.78               | 1.79               |
|                  | 22°F(-5.6°C)       | 8052                                | 7891             | 7851             | 7064               | 7000               | 1.73                      | 1.74             | 1.74             | 1.75               | 1.75               |
|                  | 27°F(-2.8°C)       | 8306                                | 8140             | 8099             | 7287               | 7221               | 1.69                      | 1.71             | 1.71             | 1.71               | 1.72               |
|                  | 32°F(-0.0°C)       | 8561                                | 8389             | 8348             | 7510               | 7443               | 1.66                      | 1.67             | 1.68             | 1.68               | 1.69               |
|                  | 35°F(1.7°C)        | 8713                                | 8539             | 8496             | 7644               | 7576               | 1.64                      | 1.65             | 1.66             | 1.66               | 1.67               |
|                  | 37°F(2.8°C)        | 8914                                | 8735             | 8692             | 7820               | 7750               | 1.60                      | 1.61             | 1.61             | 1.62               | 1.62               |
|                  | 42°F(5.6°C)        | 9414                                | 9226             | 9180             | 8259               | 8185               | 1.48                      | 1.50             | 1.50             | 1.50               | 1.51               |
|                  | 44.6°F(7.0°C)      | 9614                                | 9422             | 9375             | 8434               | 8359               | 1.44                      | 1.45             | 1.45             | 1.46               | 1.46               |
|                  | 47°F(8.3°C)        | 9914                                | 9716             | 9667             | 8698               | 8620               | 1.37                      | 1.38             | 1.39             | 1.39               | 1.39               |
|                  | 52°F(11.1°C)       | 9482                                | 9292             | 9246             | 8318               | 8243               | 1.22                      | 1.23             | 1.24             | 1.24               | 1.24               |
|                  | 57°F(13.9°C)       | 9049                                | 8868             | 8824             | 7939               | 7867               | 1.08                      | 1.08             | 1.09             | 1.09               | 1.09               |
|                  | 59°F(15.0°C)       | 8876                                | 8699             | 8655             | 7787               | 7717               | 1.02                      | 1.03             | 1.03             | 1.03               | 1.03               |
|                  | 62°F(16.7°C)       | 8617                                | 8444             | 8402             | 7559               | 7491               | 0.93                      | 0.94             | 0.94             | 0.94               | 0.94               |
|                  | 64.4°F(18.0°C)     | 8444                                | 8275             | 8233             | 7408               | 7341               | 0.87                      | 0.88             | 0.88             | 0.88               | 0.88               |
| 206              | -22°F(-30.0°C)     | 4580                                | 4489             | 4466             | 4312               | 4273               | 1.43                      | 1.44             | 1.44             | 1.45               | 1.45               |
|                  | -13°F(-25.0°C)     | 5580                                | 5468             | 5441             | 5151               | 5104               | 1.54                      | 1.55             | 1.55             | 1.55               | 1.56               |
|                  | -4°F(-20.0°C)      | 7063                                | 6921             | 6887             | 6519               | 6461               | 1.64                      | 1.66             | 1.66             | 1.66               | 1.67               |
|                  | 0°F(-17.8°C)       | 7544                                | 7393             | 7356             | 6963               | 6901               | 1.67                      | 1.68             | 1.68             | 1.69               | 1.69               |
|                  | 5°F(-15.0°C)       | 8145                                | 7982             | 7943             | 7519               | 7451               | 1.70                      | 1.71             | 1.72             | 1.72               | 1.73               |
|                  | 14°F(-10.0°C)      | 8978                                | 8798             | 8754             | 8287               | 8213               | 1.76                      | 1.77             | 1.78             | 1.78               | 1.79               |
|                  | 17°F(-8.3°C)       | 9255                                | 9070             | 9025             | 8543               | 8466               | 1.78                      | 1.79             | 1.80             | 1.80               | 1.81               |
|                  | 22°F(-5.6°C)       | 9558                                | 9366             | 9320             | 8822               | 8743               | 1.74                      | 1.76             | 1.76             | 1.77               | 1.77               |
|                  | 27°F(-2.8°C)       | 9860                                | 9662             | 9614             | 9101               | 9019               | 1.71                      | 1.72             | 1.73             | 1.73               | 1.74               |
|                  | 32°F(-0.0°C)       | 10162                               | 9959             | 9909             | 9380               | 9296               | 1.68                      | 1.69             | 1.69             | 1.70               | 1.70               |
|                  | 35°F(1.7°C)        | 10343                               | 10136            | 10086            | 9547               | 9461               | 1.66                      | 1.67             | 1.67             | 1.68               | 1.68               |
|                  | 37°F(2.8°C)        | 10581                               | 10369            | 10317            | 9767               | 9679               | 1.61                      | 1.63             | 1.63             | 1.63               | 1.64               |
|                  | 42°F(5.6°C)        | 11175                               | 10951            | 10896            | 10315              | 10222              | 1.50                      | 1.51             | 1.51             | 1.52               | 1.52               |
|                  | 44.6°F(7.0°C)      | 11412                               | 11184            | 11128            | 10534              | 10439              | 1.45                      | 1.47             | 1.47             | 1.47               | 1.48               |
|                  | 47°F(8.3°C)        | 11769                               | 11533            | 11476            | 10863              | 10765              | 1.39                      | 1.40             | 1.40             | 1.40               | 1.41               |
|                  | 52°F(11.1°C)       | 11255                               | 11030            | 10975            | 10389              | 10296              | 1.24                      | 1.25             | 1.25             | 1.25               | 1.26               |
|                  | 57°F(13.9°C)       | 10742                               | 10527            | 10474            | 9915               | 9826               | 1.09                      | 1.10             | 1.10             | 1.10               | 1.10               |
|                  | 59°F(15.0°C)       | 10536                               | 10325            | 10274            | 9726               | 9638               | 1.03                      | 1.04             | 1.04             | 1.04               | 1.04               |
|                  | 62°F(16.7°C)       | 10228                               | 10024            | 9973             | 9441               | 9356               | 0.94                      | 0.95             | 0.95             | 0.95               | 0.95               |
|                  | 64.4°F(18.0°C)     | 10023                               | 9822             | 9773             | 9252               | 9168               | 0.88                      | 0.89             | 0.89             | 0.89               | 0.89               |
| 265              | -22°F(-30.0°C)     | 5545                                | 5434             | 5407             | 5385               | 5337               | 1.44                      | 1.46             | 1.46             | 1.46               | 1.47               |
|                  | -13°F(-25.0°C)     | 6624                                | 6491             | 6459             | 6433               | 6375               | 1.55                      | 1.56             | 1.57             | 1.57               | 1.58               |
|                  | -4°F(-20.0°C)      | 8384                                | 8216             | 8175             | 8142               | 8069               | 1.66                      | 1.67             | 1.68             | 1.68               | 1.69               |
|                  | 0°F(-17.8°C)       | 8955                                | 8776             | 8732             | 8697               | 8619               | 1.68                      | 1.70             | 1.70             | 1.70               | 1.71               |
|                  | 5°F(-15.0°C)       | 9669                                | 9475             | 9428             | 9390               | 9306               | 1.72                      | 1.73             | 1.73             | 1.74               | 1.74               |
|                  | 14°F(-10.0°C)      | 10657                               | 10444            | 10392            | 10350              | 10257              | 1.78                      | 1.79             | 1.79             | 1.80               | 1.80               |
|                  | 17°F(-8.3°C)       | 10986                               | 10767            | 10713            | 10670              | 10574              | 1.80                      | 1.81             | 1.81             | 1.82               | 1.82               |
|                  | 22°F(-5.6°C)       | 11345                               | 11118            | 11063            | 11018              | 10919              | 1.76                      | 1.78             | 1.78             | 1.78               | 1.79               |
|                  | 27°F(-2.8°C)       | 11704                               | 11470            | 11412            | 11367              | 11264              | 1.73                      | 1.74             | 1.75             | 1.75               | 1.76               |
|                  | 32°F(-0.0°C)       | 12062                               | 11821            | 11762            | 11715              | 11610              | 1.69                      | 1.71             | 1.71             | 1.71               | 1.72               |
|                  | 35°F(1.7°C)        | 12278                               | 12032            | 11972            | 11924              | 11817              | 1.67                      | 1.69             | 1.69             | 1.69               | 1.70               |
|                  | 37°F(2.8°C)        | 12560                               | 12308            | 12247            | 12198              | 12088              | 1.63                      | 1.64             | 1.64             | 1.65               | 1.65               |
|                  | 42°F(5.6°C)        | 13265                               | 12999            | 12934            | 12883              | 12767              | 1.51                      | 1.53             | 1.53             | 1.53               | 1.54               |
|                  | 44.6°F(7.0°C)      | 13547                               | 13276            | 13209            | 13156              | 13038              | 1.47                      | 1.48             | 1.48             | 1.49               | 1.49               |
|                  | 47°F(8.3°C)        | 13970                               | 13690            | 13622            | 13567              | 13445              | 1.40                      | 1.41             | 1.41             | 1.42               | 1.42               |
|                  | 52°F(11.1°C)       | 13360                               | 13093            | 13027            | 12975              | 12859              | 1.25                      | 1.26             | 1.26             | 1.26               | 1.27               |
|                  | 57°F(13.9°C)       | 12751                               | 12496            | 12433            | 12383              | 12272              | 1.10                      | 1.11             | 1.11             | 1.11               | 1.12               |
|                  | 59°F(15.0°C)       | 12507                               | 12257            | 12195            | 12147              | 12037              | 1.04                      | 1.05             | 1.05             | 1.05               | 1.05               |
|                  | 62°F(16.7°C)       | 12141                               | 11898            | 11839            | 11791              | 11685              | 0.95                      | 0.95             | 0.96             | 0.96               | 0.96               |
|                  | 64.4°F(18.0°C)     | 11897                               | 11659            | 11601            | 11555              | 11451              | 0.89                      | 0.89             | 0.90             | 0.90               | 0.90               |

## HEATING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 9 (Sheet 2 of 2)

| AIRFLOW<br>(CFM) | OUTDOOR<br>DB (°F) | TC: Total Heating Capacity (BTU/hr) |                  |                  |                    |                    | PI: Power Input (kW)      |                  |                  |                    |                    |
|------------------|--------------------|-------------------------------------|------------------|------------------|--------------------|--------------------|---------------------------|------------------|------------------|--------------------|--------------------|
|                  |                    | Indoor Conditions (DB °F)           |                  |                  |                    |                    | Indoor Conditions (DB °F) |                  |                  |                    |                    |
|                  |                    | 60.8°F<br>(16.0°C)                  | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) | 60.8°F<br>(16.0°C)        | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) |
| 324              | -22°F(-30.0°C)     | 6582                                | 6450             | 6418             | 6392               | 6335               | 1.46                      | 1.47             | 1.47             | 1.48               | 1.48               |
|                  | -13°F(-25.0°C)     | 7863                                | 7705             | 7667             | 7636               | 7567               | 1.57                      | 1.58             | 1.58             | 1.59               | 1.59               |
|                  | -4°F(-20.0°C)      | 9952                                | 9752             | 9704             | 9665               | 9578               | 1.68                      | 1.69             | 1.69             | 1.70               | 1.70               |
|                  | 0°F(-17.8°C)       | 10630                               | 10417            | 10365            | 10323              | 10231              | 1.70                      | 1.71             | 1.72             | 1.72               | 1.73               |
|                  | 5°F(-15.0°C)       | 11477                               | 11248            | 11191            | 11147              | 11046              | 1.73                      | 1.75             | 1.75             | 1.75               | 1.76               |
|                  | 14°F(-10.0°C)      | 12650                               | 12397            | 12335            | 12286              | 12175              | 1.79                      | 1.81             | 1.81             | 1.82               | 1.82               |
|                  | 17°F(-8.3°C)       | 13041                               | 12780            | 12717            | 12666              | 12552              | 1.81                      | 1.83             | 1.83             | 1.84               | 1.84               |
|                  | 22°F(-5.6°C)       | 13467                               | 13198            | 13132            | 13079              | 12961              | 1.78                      | 1.79             | 1.80             | 1.80               | 1.81               |
|                  | 27°F(-2.8°C)       | 13893                               | 13615            | 13547            | 13493              | 13371              | 1.75                      | 1.76             | 1.76             | 1.77               | 1.77               |
|                  | 32°F(0.0°C)        | 14318                               | 14032            | 13962            | 13906              | 13781              | 1.71                      | 1.73             | 1.73             | 1.73               | 1.74               |
|                  | 35°F(1.7°C)        | 14574                               | 14282            | 14211            | 14154              | 14027              | 1.69                      | 1.70             | 1.71             | 1.71               | 1.72               |
|                  | 37°F(2.8°C)        | 14909                               | 14610            | 14537            | 14479              | 14349              | 1.64                      | 1.66             | 1.66             | 1.66               | 1.67               |
|                  | 42°F(5.6°C)        | 15745                               | 15431            | 15353            | 15292              | 15154              | 1.53                      | 1.54             | 1.54             | 1.55               | 1.55               |
|                  | 44.6°F(7.0°C)      | 16080                               | 15759            | 15680            | 15617              | 15477              | 1.48                      | 1.50             | 1.50             | 1.50               | 1.51               |
|                  | 47°F(8.3°C)        | 16582                               | 16251            | 16169            | 16105              | 15960              | 1.41                      | 1.43             | 1.43             | 1.43               | 1.44               |
|                  | 52°F(11.1°C)       | 15859                               | 15542            | 15464            | 15402              | 15264              | 1.26                      | 1.27             | 1.27             | 1.28               | 1.28               |
|                  | 57°F(13.9°C)       | 15135                               | 14833            | 14759            | 14699              | 14567              | 1.11                      | 1.12             | 1.12             | 1.12               | 1.13               |
|                  | 59°F(15.0°C)       | 14846                               | 14549            | 14476            | 14418              | 14289              | 1.05                      | 1.06             | 1.06             | 1.06               | 1.07               |
|                  | 62°F(16.7°C)       | 14412                               | 14124            | 14053            | 13997              | 13871              | 0.96                      | 0.96             | 0.97             | 0.97               | 0.97               |
|                  | 64.4°F(18.0°C)     | 14122                               | 13840            | 13771            | 13716              | 13592              | 0.90                      | 0.90             | 0.91             | 0.91               | 0.91               |

NOTE: Values in grey are extrapolated based on tested performance.

**Table 47 — Low Static Cooling Performance (12K)**

COOLING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 12 (Sheet 1 of 4)

| AIRFLOW<br>W (CFM) | OUTDOOR<br>DB(°F)  | ID           | 60.8°F (16.0°C)    |                    |                    |                    |                    | 64.4°F (18.0°C)    |                    |                    |                    |                    | 67°F (19.4°C)      |                    |                    |                    |                    | 71.6°F (22.0°C)    |                    |                    |                    |                    |
|--------------------|--------------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                    |                    | ID<br>DB(°F) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) |
| 176                | -22°F<br>(-30.0°C) | TC           | 5482               | 5489               | 5495               | 5495               | 5503               | 5812               | 5819               | 5825               | 5826               | 5833               | 6159               | 6167               | 6174               | 6175               | 6182               | 6530               | 6537               | 6545               | 6546               | 6554               |
|                    |                    | S/T          | 0.28               | 0.32               | 0.37               | 0.37               | 0.42               | 0.29               | 0.34               | 0.39               | 0.39               | 0.45               | 0.31               | 0.36               | 0.41               | 0.41               | 0.47               | 0.33               | 0.39               | 0.44               | 0.44               | 0.50               |
|                    |                    | PI           | 0.26               | 0.26               | 0.26               | 0.26               | 0.26               | 0.28               | 0.28               | 0.28               | 0.28               | 0.28               | 0.29               | 0.29               | 0.29               | 0.29               | 0.29               | 0.31               | 0.31               | 0.31               | 0.31               | 0.31               |
|                    | -13°F<br>(-25.0°C) | TC           | 5938               | 5946               | 5953               | 5953               | 5961               | 6296               | 6304               | 6310               | 6311               | 6319               | 6672               | 6681               | 6689               | 6690               | 6697               | 7075               | 7082               | 7090               | 7091               | 7100               |
|                    |                    | S/T          | 0.28               | 0.33               | 0.37               | 0.37               | 0.42               | 0.30               | 0.35               | 0.39               | 0.39               | 0.45               | 0.31               | 0.37               | 0.42               | 0.42               | 0.48               | 0.33               | 0.39               | 0.44               | 0.44               | 0.50               |
|                    |                    | PI           | 0.28               | 0.28               | 0.28               | 0.28               | 0.28               | 0.30               | 0.30               | 0.30               | 0.30               | 0.30               | 0.32               | 0.32               | 0.32               | 0.32               | 0.32               | 0.34               | 0.34               | 0.34               | 0.34               | 0.34               |
|                    | -4°F<br>(-20.0°C)  | TC           | 6395               | 6404               | 6411               | 6411               | 6420               | 6781               | 6789               | 6795               | 6797               | 6805               | 7186               | 7195               | 7203               | 7204               | 7212               | 7619               | 7627               | 7635               | 7636               | 7646               |
|                    |                    | S/T          | 0.28               | 0.33               | 0.37               | 0.37               | 0.43               | 0.30               | 0.35               | 0.40               | 0.40               | 0.45               | 0.31               | 0.37               | 0.42               | 0.42               | 0.48               | 0.33               | 0.39               | 0.44               | 0.44               | 0.51               |
|                    |                    | PI           | 0.30               | 0.31               | 0.31               | 0.31               | 0.31               | 0.32               | 0.32               | 0.32               | 0.32               | 0.32               | 0.34               | 0.34               | 0.34               | 0.34               | 0.34               | 0.36               | 0.36               | 0.36               | 0.36               | 0.36               |
|                    | 0°F<br>(-17.8°C)   | TC           | 6598               | 6607               | 6614               | 6615               | 6623               | 6996               | 7004               | 7011               | 7012               | 7021               | 7414               | 7424               | 7432               | 7433               | 7441               | 7861               | 7869               | 7878               | 7879               | 7889               |
|                    |                    | S/T          | 0.28               | 0.33               | 0.37               | 0.37               | 0.43               | 0.30               | 0.35               | 0.40               | 0.40               | 0.45               | 0.32               | 0.37               | 0.42               | 0.42               | 0.48               | 0.33               | 0.39               | 0.45               | 0.45               | 0.51               |
|                    |                    | PI           | 0.31               | 0.31               | 0.32               | 0.32               | 0.32               | 0.33               | 0.33               | 0.33               | 0.33               | 0.33               | 0.35               | 0.35               | 0.35               | 0.35               | 0.35               | 0.37               | 0.37               | 0.38               | 0.38               | 0.38               |
|                    | 5°F<br>(-15.0°C)   | TC           | 6852               | 6861               | 6869               | 6869               | 6878               | 7265               | 7274               | 7281               | 7282               | 7291               | 7699               | 7709               | 7718               | 7719               | 7728               | 8163               | 8172               | 8181               | 8182               | 8192               |
|                    |                    | S/T          | 0.28               | 0.33               | 0.38               | 0.38               | 0.43               | 0.30               | 0.35               | 0.40               | 0.40               | 0.45               | 0.32               | 0.37               | 0.42               | 0.42               | 0.48               | 0.34               | 0.39               | 0.45               | 0.45               | 0.51               |
|                    |                    | PI           | 0.33               | 0.33               | 0.33               | 0.33               | 0.33               | 0.35               | 0.35               | 0.35               | 0.35               | 0.35               | 0.37               | 0.37               | 0.37               | 0.37               | 0.37               | 0.39               | 0.39               | 0.39               | 0.39               | 0.39               |
|                    | 14°F<br>(-10.0°C)  | TC           | 6463               | 6472               | 6478               | 6479               | 6488               | 6852               | 6860               | 6867               | 6869               | 6877               | 7262               | 7271               | 7279               | 7281               | 7289               | 7699               | 7708               | 7716               | 7717               | 7727               |
|                    |                    | S/T          | 0.28               | 0.33               | 0.38               | 0.38               | 0.43               | 0.30               | 0.35               | 0.40               | 0.40               | 0.46               | 0.32               | 0.37               | 0.42               | 0.42               | 0.48               | 0.34               | 0.40               | 0.45               | 0.45               | 0.51               |
|                    |                    | PI           | 0.37               | 0.37               | 0.37               | 0.37               | 0.37               | 0.39               | 0.39               | 0.39               | 0.39               | 0.39               | 0.41               | 0.41               | 0.41               | 0.41               | 0.41               | 0.44               | 0.44               | 0.44               | 0.44               | 0.44               |
|                    | 17°F<br>(-8.3°C)   | TC           | 6333               | 6342               | 6348               | 6349               | 6357               | 6715               | 6723               | 6729               | 6731               | 6739               | 7116               | 7125               | 7133               | 7134               | 7142               | 7545               | 7553               | 7561               | 7562               | 7572               |
|                    |                    | S/T          | 0.28               | 0.33               | 0.38               | 0.38               | 0.43               | 0.30               | 0.35               | 0.40               | 0.40               | 0.46               | 0.32               | 0.37               | 0.42               | 0.42               | 0.48               | 0.34               | 0.40               | 0.45               | 0.45               | 0.51               |
|                    |                    | PI           | 0.38               | 0.38               | 0.38               | 0.38               | 0.38               | 0.40               | 0.40               | 0.40               | 0.40               | 0.40               | 0.43               | 0.43               | 0.43               | 0.43               | 0.43               | 0.45               | 0.45               | 0.45               | 0.45               | 0.45               |
|                    | 23°F<br>(-5.0°C)   | TC           | 6598               | 6606               | 6614               | 6614               | 6623               | 6995               | 7003               | 7010               | 7012               | 7020               | 7413               | 7423               | 7431               | 7432               | 7441               | 7860               | 7868               | 7877               | 7878               | 7888               |
|                    |                    | S/T          | 0.28               | 0.33               | 0.38               | 0.38               | 0.43               | 0.30               | 0.35               | 0.40               | 0.40               | 0.46               | 0.32               | 0.38               | 0.43               | 0.43               | 0.49               | 0.34               | 0.40               | 0.45               | 0.45               | 0.52               |
|                    |                    | PI           | 0.39               | 0.39               | 0.39               | 0.39               | 0.39               | 0.41               | 0.41               | 0.41               | 0.41               | 0.41               | 0.44               | 0.44               | 0.44               | 0.44               | 0.44               | 0.46               | 0.46               | 0.46               | 0.46               | 0.46               |
|                    | 35°F<br>(1.7°C)    | TC           | 7126               | 7136               | 7144               | 7144               | 7154               | 7556               | 7565               | 7572               | 7574               | 7583               | 8007               | 8018               | 8027               | 8028               | 8037               | 8490               | 8499               | 8508               | 8510               | 8520               |
|                    |                    | S/T          | 0.29               | 0.34               | 0.38               | 0.38               | 0.44               | 0.30               | 0.36               | 0.40               | 0.40               | 0.46               | 0.32               | 0.38               | 0.43               | 0.43               | 0.49               | 0.34               | 0.40               | 0.45               | 0.45               | 0.52               |
|                    |                    | PI           | 0.41               | 0.41               | 0.41               | 0.41               | 0.41               | 0.43               | 0.43               | 0.43               | 0.43               | 0.43               | 0.46               | 0.46               | 0.46               | 0.46               | 0.46               | 0.49               | 0.49               | 0.49               | 0.49               | 0.49               |
|                    | 41°F<br>(5.0°C)    | TC           | 6881               | 6890               | 6898               | 6898               | 6907               | 7296               | 7304               | 7312               | 7313               | 7322               | 7732               | 7742               | 7750               | 7752               | 7760               | 8197               | 8206               | 8215               | 8217               | 8227               |
|                    |                    | S/T          | 0.29               | 0.34               | 0.38               | 0.38               | 0.44               | 0.30               | 0.36               | 0.41               | 0.41               | 0.46               | 0.32               | 0.38               | 0.43               | 0.43               | 0.49               | 0.34               | 0.40               | 0.46               | 0.46               | 0.52               |
|                    |                    | PI           | 0.38               | 0.38               | 0.38               | 0.38               | 0.38               | 0.40               | 0.40               | 0.40               | 0.40               | 0.40               | 0.42               | 0.42               | 0.42               | 0.42               | 0.42               | 0.45               | 0.45               | 0.45               | 0.45               | 0.45               |
|                    | 47°F<br>(8.3°C)    | TC           | 6636               | 6645               | 6652               | 6652               | 6661               | 7036               | 7044               | 7051               | 7052               | 7061               | 7456               | 7466               | 7474               | 7475               | 7484               | 7905               | 7914               | 7922               | 7924               | 7933               |
|                    |                    | S/T          | 0.29               | 0.34               | 0.38               | 0.38               | 0.44               | 0.31               | 0.36               | 0.41               | 0.41               | 0.46               | 0.32               | 0.38               | 0.43               | 0.43               | 0.49               | 0.34               | 0.40               | 0.46               | 0.46               | 0.52               |
|                    |                    | PI           | 0.34               | 0.34               | 0.34               | 0.34               | 0.34               | 0.36               | 0.36               | 0.36               | 0.36               | 0.36               | 0.37               | 0.39               | 0.39               | 0.39               | 0.39               | 0.41               | 0.41               | 0.41               | 0.41               | 0.41               |
|                    | 50°F<br>(10.0°C)   | TC           | 6709               | 6718               | 6725               | 6726               | 6735               | 7113               | 7122               | 7129               | 7130               | 7139               | 7538               | 7548               | 7557               | 7558               | 7566               | 7993               | 8001               | 8010               | 8011               | 8021               |
|                    |                    | S/T          | 0.29               | 0.34               | 0.39               | 0.39               | 0.44               | 0.31               | 0.36               | 0.41               | 0.41               | 0.47               | 0.33               | 0.38               | 0.43               | 0.43               | 0.49               | 0.34               | 0.40               | 0.46               | 0.46               | 0.52               |
|                    |                    | PI           | 0.35               | 0.35               | 0.35               | 0.35               | 0.35               | 0.37               | 0.37               | 0.37               | 0.37               | 0.37               | 0.39               | 0.39               | 0.39               | 0.39               | 0.39               | 0.41               | 0.41               | 0.41               | 0.41               | 0.41               |
|                    | 59°F<br>(15.0°C)   | TC           | 6929               | 6939               | 6946               | 6947               | 6956               | 7347               | 7356               | 7363               | 7364               | 7373               | 7786               | 7796               | 7805               | 7806               | 7815               | 8255               | 8264               | 8273               | 8274               | 8285               |
|                    |                    | S/T          | 0.29               | 0.34               | 0.39               | 0.39               | 0.44               | 0.31               | 0.36               | 0.41               | 0.41               | 0.47               | 0.33               | 0.38               | 0.44               | 0.44               | 0.50               | 0.35               | 0.41               | 0.46               | 0.46               | 0.53               |
|                    |                    | PI           | 0.35               | 0.35               | 0.35               | 0.35               | 0.35               | 0.37               | 0.37               | 0.37               | 0.37               | 0.37               | 0.40               | 0.40               | 0.40               | 0.40               | 0.40               | 0.42               | 0.42               | 0.42               | 0.42               | 0.42               |
|                    | 68°F<br>(20.0°C)   | TC           | 7150               | 7159               | 7167               | 7167               | 7177               | 7581               | 7590               | 7597               | 7599               | 7608               | 8033               | 8044               | 8053               | 8054               | 8063               | 8517               | 8527               | 8536               | 8537               | 8548               |
|                    |                    | S/T          | 0.30               | 0.35               | 0.40               | 0.40               | 0.45               | 0.32               | 0.37               | 0.42               | 0.42               | 0.48               | 0.34               | 0.39               | 0.45               | 0.45               | 0.51               | 0.36               | 0.42               | 0.47               | 0.47               | 0.54               |
|                    |                    | PI           | 0.36               | 0.36               | 0.36               | 0.36               | 0.36               | 0.38               | 0.38               | 0.38               | 0.38               | 0.38               | 0.40               | 0.40               | 0.40               | 0.40               | 0.40               | 0.43               | 0.43               | 0.43               | 0.43               | 0.43               |
|                    | 77°F<br>(25.0°C)   | TC           | 7370               | 7380               | 7388               | 7388               | 7398               | 7814               | 7823               | 7831               | 7833               | 7842               | 8281               | 8292               | 8301               | 8303               | 8312               | 8780               | 8789               | 8799               | 8800               | 8811               |
|                    |                    | S/T          | 0.30               | 0.35               | 0.40               | 0.40               | 0.46               | 0.32               | 0.38               | 0.43               | 0.43               | 0.49               | 0.34               | 0.40               | 0.45               | 0.45               | 0.52               | 0.36               | 0.42               | 0.48               | 0.48               | 0.55               |
|                    |                    | PI           | 0.37               | 0.37               | 0.37               | 0.37               | 0.37               | 0.39               | 0.39               | 0.39               | 0.39               | 0.39               | 0.41               | 0.41               | 0.41               | 0.41               | 0.41               | 0.44               | 0.44               | 0.44               | 0.44               | 0.44               |
|                    | 82°F<br>(27.8°C)   | TC           | 7384               | 7394               | 7402               | 7402               | 7412               | 7829               | 7838               | 7846               | 7847               | 7857               | 8297               | 8307               | 8317               | 8318               | 8327               | 8797               | 8806               | 8816               | 8817               | 8828               |
|                    |                    | S/T          | 0.31               | 0.36               | 0.41               | 0.41               | 0.47               | 0.32               | 0.38               | 0.43               | 0.43               | 0.49               | 0.34               | 0.40               | 0.46               | 0.46               | 0.52               | 0.36               | 0.43               | 0.49               | 0.49               | 0.55               |
|                    |                    | PI           | 0.40               | 0.40               | 0.40               | 0.40               | 0.40               | 0.42               | 0.42               | 0.42               | 0.43               | 0.43               | 0.45               | 0.45               | 0.45               | 0.45               | 0.45               | 0.48               | 0.48               | 0.48               | 0.48               | 0.48               |
|                    | 86°F<br>(30.0°C)   | TC           | 7258               | 7268               | 7276               | 7276               | 7286               | 7696               | 7705               | 7712               | 7714               | 7723               | 8155               | 8166               | 8175               | 8177               | 8186               | 8647               | 8656               | 8666               | 8667               | 8678               |
|                    |                    | S/T          | 0.31               | 0.36               | 0.41               | 0.41               | 0.47               | 0.33               | 0.39               | 0.44               | 0.44               | 0.50               | 0.35               | 0.41               | 0.46               | 0.46               | 0.53               | 0.37               | 0.43               | 0.49               | 0.49               | 0.56               |
|                    |                    | PI           | 0.47               | 0.47               | 0.47               | 0.47               | 0.47               | 0.49               | 0.49               | 0.49               | 0.49               | 0.50               | 0.52               | 0.52               | 0.52               | 0.52               | 0.52               | 0.55               | 0.56               | 0.56               | 0.56               | 0.56               |
|                    | 95°F<br>(35.0°C)   | TC           | 6975               | 6985               | 6992               | 6992               | 7002               | 7396               | 7404               | 7412               | 7413               | 7422               | 7837               | 7848               | 7856               | 7858               | 7867               | 8310               | 8319               | 8328               | 8329               | 8339               |
|                    |                    | S/T          | 0.31               | 0.36               | 0.41               | 0.41               | 0.47               | 0.33               | 0.39               | 0.44               | 0.44               | 0.50               | 0.35               | 0.41               | 0.46               | 0.46               | 0.53               | 0.37               | 0.43               |                    |                    |                    |

COOLING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 12 (Sheet 2 of 4)

| AIRFLOW<br>W (CFM) | OUTDOOR<br>DB(°F) | ID<br>WB(°F) | 60.8°F (16.0°C) |                    |                    |                    |                    | 64.4°F (18.0°C)    |                    |                    |                    |                    | 67°F (19.4°C)      |                    |                    |                    |                    | 71.6°F (22.0°C)    |                    |                    |                    |                    |
|--------------------|-------------------|--------------|-----------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                    |                   |              | ID<br>DB(°F)    | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) |
|                    |                   | TC           | 6570            | 6579               | 6586               | 6587               | 6595               | 6966               | 6975               | 6981               | 6983               | 6991               | 7382               | 7392               | 7400               | 7402               | 7410               | 7827               | 7836               | 7844               | 7846               | 7855               |
| -22°F<br>(-30.0°C) | S/T               | 0.33         | 0.39            | 0.44               | 0.44               | 0.50               | 0.35               | 0.41               | 0.47               | 0.47               | 0.53               | 0.37               | 0.44               | 0.50               | 0.50               | 0.57               | 0.39               | 0.46               | 0.53               | 0.53               | 0.60               |                    |
|                    | PI                | 0.31         | 0.31            | 0.31               | 0.31               | 0.31               | 0.33               | 0.33               | 0.33               | 0.33               | 0.33               | 0.35               | 0.35               | 0.35               | 0.35               | 0.35               | 0.37               | 0.37               | 0.37               | 0.37               | 0.37               |                    |
|                    | TC                | 7118         | 7127            | 7135               | 7135               | 7145               | 7547               | 7556               | 7563               | 7565               | 7574               | 7998               | 8008               | 8017               | 8019               | 8027               | 8480               | 8489               | 8498               | 8499               | 8510               |                    |
| -13°F<br>(-25.0°C) | S/T               | 0.33         | 0.39            | 0.44               | 0.44               | 0.51               | 0.35               | 0.41               | 0.47               | 0.47               | 0.54               | 0.37               | 0.44               | 0.50               | 0.50               | 0.57               | 0.40               | 0.47               | 0.53               | 0.53               | 0.60               |                    |
|                    | PI                | 0.34         | 0.34            | 0.34               | 0.34               | 0.34               | 0.36               | 0.36               | 0.36               | 0.36               | 0.36               | 0.38               | 0.38               | 0.38               | 0.38               | 0.38               | 0.40               | 0.40               | 0.40               | 0.40               | 0.41               |                    |
|                    | TC                | 7665         | 7676            | 7684               | 7684               | 7695               | 8127               | 8137               | 8145               | 8147               | 8156               | 8613               | 8624               | 8634               | 8635               | 8645               | 9132               | 9142               | 9152               | 9153               | 9165               |                    |
| -4°F<br>(-20.0°C)  | S/T               | 0.34         | 0.39            | 0.45               | 0.45               | 0.51               | 0.36               | 0.42               | 0.47               | 0.47               | 0.54               | 0.38               | 0.44               | 0.50               | 0.50               | 0.57               | 0.40               | 0.47               | 0.53               | 0.53               | 0.61               |                    |
|                    | PI                | 0.37         | 0.37            | 0.37               | 0.37               | 0.37               | 0.39               | 0.39               | 0.39               | 0.39               | 0.39               | 0.41               | 0.41               | 0.41               | 0.41               | 0.41               | 0.43               | 0.44               | 0.44               | 0.44               | 0.44               |                    |
|                    | TC                | 7909         | 7919            | 7928               | 7928               | 7939               | 8385               | 8395               | 8404               | 8405               | 8415               | 8886               | 8898               | 8908               | 8909               | 8919               | 9422               | 9432               | 9442               | 9444               | 9456               |                    |
| 0°F<br>(-17.8°C)   | S/T               | 0.34         | 0.39            | 0.45               | 0.45               | 0.51               | 0.36               | 0.42               | 0.48               | 0.48               | 0.54               | 0.38               | 0.44               | 0.50               | 0.50               | 0.57               | 0.40               | 0.47               | 0.53               | 0.53               | 0.61               |                    |
|                    | PI                | 0.38         | 0.38            | 0.38               | 0.38               | 0.38               | 0.40               | 0.40               | 0.40               | 0.40               | 0.40               | 0.42               | 0.42               | 0.42               | 0.42               | 0.42               | 0.45               | 0.45               | 0.45               | 0.45               | 0.45               |                    |
|                    | TC                | 8213         | 8224            | 8233               | 8233               | 8244               | 8708               | 8718               | 8727               | 8729               | 8739               | 9228               | 9240               | 9250               | 9252               | 9262               | 9784               | 9795               | 9805               | 9807               | 9819               |                    |
| 5°F<br>(-15.0°C)   | S/T               | 0.34         | 0.40            | 0.45               | 0.45               | 0.51               | 0.36               | 0.42               | 0.48               | 0.48               | 0.54               | 0.38               | 0.45               | 0.51               | 0.51               | 0.58               | 0.40               | 0.47               | 0.54               | 0.54               | 0.61               |                    |
|                    | PI                | 0.39         | 0.39            | 0.39               | 0.39               | 0.39               | 0.41               | 0.42               | 0.42               | 0.42               | 0.42               | 0.44               | 0.44               | 0.44               | 0.44               | 0.44               | 0.47               | 0.47               | 0.47               | 0.47               | 0.47               |                    |
|                    | TC                | 7746         | 7757            | 7765               | 7766               | 7776               | 8213               | 8223               | 8231               | 8233               | 8242               | 8704               | 8715               | 8725               | 8727               | 8736               | 9228               | 9238               | 9248               | 9250               | 9261               |                    |
| 14°F<br>(-10.0°C)  | S/T               | 0.34         | 0.40            | 0.45               | 0.45               | 0.51               | 0.36               | 0.42               | 0.48               | 0.48               | 0.55               | 0.38               | 0.45               | 0.51               | 0.51               | 0.58               | 0.40               | 0.47               | 0.54               | 0.54               | 0.61               |                    |
|                    | PI                | 0.44         | 0.44            | 0.44               | 0.44               | 0.44               | 0.47               | 0.47               | 0.47               | 0.47               | 0.47               | 0.49               | 0.49               | 0.49               | 0.49               | 0.50               | 0.52               | 0.52               | 0.52               | 0.52               | 0.52               |                    |
|                    | TC                | 7591         | 7601            | 7609               | 7610               | 7620               | 8048               | 8058               | 8066               | 8067               | 8077               | 8529               | 8540               | 8550               | 8551               | 8561               | 9043               | 9053               | 9063               | 9064               | 9075               |                    |
| 17°F<br>(-8.3°C)   | S/T               | 0.34         | 0.40            | 0.45               | 0.45               | 0.52               | 0.36               | 0.42               | 0.48               | 0.48               | 0.55               | 0.38               | 0.45               | 0.51               | 0.51               | 0.58               | 0.40               | 0.47               | 0.54               | 0.54               | 0.62               |                    |
|                    | PI                | 0.45         | 0.46            | 0.46               | 0.46               | 0.46               | 0.48               | 0.48               | 0.48               | 0.48               | 0.48               | 0.51               | 0.51               | 0.51               | 0.51               | 0.51               | 0.54               | 0.54               | 0.54               | 0.54               | 0.54               |                    |
|                    | TC                | 7908         | 7919            | 7927               | 7927               | 7938               | 8384               | 8394               | 8403               | 8404               | 8414               | 8885               | 8897               | 8907               | 8908               | 8918               | 9421               | 9431               | 9441               | 9443               | 9454               |                    |
| 23°F<br>(-5.0°C)   | S/T               | 0.34         | 0.40            | 0.46               | 0.46               | 0.52               | 0.36               | 0.42               | 0.48               | 0.48               | 0.55               | 0.38               | 0.45               | 0.51               | 0.51               | 0.58               | 0.41               | 0.48               | 0.54               | 0.54               | 0.62               |                    |
|                    | PI                | 0.47         | 0.47            | 0.47               | 0.47               | 0.47               | 0.49               | 0.49               | 0.50               | 0.50               | 0.50               | 0.52               | 0.52               | 0.52               | 0.52               | 0.53               | 0.56               | 0.56               | 0.56               | 0.56               | 0.56               |                    |
|                    | TC                | 8542         | 8553            | 8563               | 8563               | 8574               | 9057               | 9067               | 9076               | 9078               | 9089               | 9598               | 9610               | 9621               | 9623               | 9633               | 10176              | 10187              | 10198              | 10200              | 10212              |                    |
| 35°F<br>(1.7°C)    | S/T               | 0.34         | 0.40            | 0.46               | 0.46               | 0.52               | 0.36               | 0.43               | 0.49               | 0.49               | 0.55               | 0.39               | 0.45               | 0.51               | 0.51               | 0.59               | 0.41               | 0.48               | 0.55               | 0.55               | 0.62               |                    |
|                    | PI                | 0.49         | 0.49            | 0.49               | 0.49               | 0.49               | 0.52               | 0.52               | 0.52               | 0.52               | 0.52               | 0.55               | 0.55               | 0.55               | 0.55               | 0.55               | 0.58               | 0.58               | 0.58               | 0.58               | 0.58               |                    |
|                    | TC                | 8248         | 8259            | 8268               | 8268               | 8279               | 8745               | 8755               | 8764               | 8766               | 8776               | 9267               | 9279               | 9290               | 9291               | 9302               | 9826               | 9836               | 9847               | 9849               | 9861               |                    |
| 41°F<br>(5.0°C)    | S/T               | 0.34         | 0.40            | 0.46               | 0.46               | 0.52               | 0.36               | 0.43               | 0.49               | 0.49               | 0.55               | 0.39               | 0.45               | 0.52               | 0.52               | 0.59               | 0.41               | 0.48               | 0.55               | 0.55               | 0.62               |                    |
|                    | PI                | 0.45         | 0.45            | 0.45               | 0.45               | 0.45               | 0.48               | 0.48               | 0.48               | 0.48               | 0.48               | 0.51               | 0.51               | 0.51               | 0.51               | 0.51               | 0.54               | 0.54               | 0.54               | 0.54               | 0.54               |                    |
|                    | TC                | 7954         | 7964            | 7973               | 7973               | 7984               | 8433               | 8443               | 8451               | 8453               | 8463               | 8937               | 8948               | 8958               | 8960               | 8970               | 9475               | 9485               | 9496               | 9497               | 9509               |                    |
| 47°F<br>(8.3°C)    | S/T               | 0.34         | 0.40            | 0.46               | 0.46               | 0.52               | 0.37               | 0.43               | 0.49               | 0.49               | 0.56               | 0.39               | 0.45               | 0.52               | 0.52               | 0.59               | 0.41               | 0.48               | 0.55               | 0.55               | 0.62               |                    |
|                    | PI                | 0.41         | 0.41            | 0.41               | 0.41               | 0.41               | 0.44               | 0.44               | 0.44               | 0.44               | 0.44               | 0.46               | 0.46               | 0.46               | 0.46               | 0.46               | 0.49               | 0.49               | 0.49               | 0.49               | 0.49               |                    |
|                    | TC                | 8042         | 8052            | 8061               | 8061               | 8072               | 8526               | 8536               | 8545               | 8546               | 8557               | 9036               | 9047               | 9057               | 9059               | 9069               | 9580               | 9590               | 9601               | 9602               | 9614               |                    |
| 50°F<br>(10.0°C)   | S/T               | 0.35         | 0.41            | 0.46               | 0.46               | 0.53               | 0.37               | 0.43               | 0.49               | 0.49               | 0.56               | 0.39               | 0.46               | 0.52               | 0.52               | 0.59               | 0.41               | 0.48               | 0.55               | 0.55               | 0.63               |                    |
|                    | PI                | 0.41         | 0.41            | 0.42               | 0.42               | 0.42               | 0.44               | 0.44               | 0.44               | 0.44               | 0.44               | 0.47               | 0.47               | 0.47               | 0.47               | 0.47               | 0.49               | 0.49               | 0.49               | 0.49               | 0.50               |                    |
|                    | TC                | 8306         | 8317            | 8326               | 8326               | 8337               | 8806               | 8817               | 8825               | 8827               | 8838               | 9332               | 9344               | 9355               | 9357               | 9367               | 9895               | 9905               | 9916               | 9918               | 9930               |                    |
| 59°F<br>(15.0°C)   | S/T               | 0.35         | 0.41            | 0.46               | 0.46               | 0.53               | 0.37               | 0.43               | 0.49               | 0.49               | 0.56               | 0.39               | 0.46               | 0.52               | 0.52               | 0.60               | 0.42               | 0.49               | 0.55               | 0.55               | 0.63               |                    |
|                    | PI                | 0.42         | 0.42            | 0.42               | 0.42               | 0.42               | 0.45               | 0.45               | 0.45               | 0.45               | 0.45               | 0.47               | 0.48               | 0.48               | 0.48               | 0.48               | 0.50               | 0.50               | 0.50               | 0.50               | 0.50               |                    |
|                    | TC                | 8570         | 8581            | 8590               | 8591               | 8602               | 9086               | 9097               | 9106               | 9108               | 9118               | 9629               | 9641               | 9652               | 9654               | 9665               | 10209              | 10220              | 10231              | 10233              | 10246              |                    |
| 68°F<br>(20.0°C)   | S/T               | 0.36         | 0.42            | 0.48               | 0.48               | 0.54               | 0.38               | 0.44               | 0.51               | 0.51               | 0.58               | 0.40               | 0.47               | 0.54               | 0.54               | 0.61               | 0.43               | 0.50               | 0.57               | 0.57               | 0.65               |                    |
|                    | PI                | 0.43         | 0.43            | 0.43               | 0.43               | 0.43               | 0.46               | 0.46               | 0.46               | 0.46               | 0.46               | 0.48               | 0.48               | 0.48               | 0.48               | 0.49               | 0.51               | 0.51               | 0.51               | 0.51               | 0.51               |                    |
|                    | TC                | 8834         | 8846            | 8855               | 8856               | 8867               | 9366               | 9377               | 9386               | 9388               | 9399               | 9926               | 9939               | 9950               | 9951               | 9963               | 10524              | 10535              | 10547              | 10548              | 10561              |                    |
| 77°F<br>(25.0°C)   | S/T               | 0.36         | 0.43            | 0.48               | 0.48               | 0.55               | 0.38               | 0.45               | 0.51               | 0.51               | 0.58               | 0.41               | 0.48               | 0.54               | 0.54               | 0.62               | 0.43               | 0.51               | 0.58               | 0.58               | 0.66               |                    |
|                    | PI                | 0.44         | 0.44            | 0.44               | 0.44               | 0.44               | 0.46               | 0.47               | 0.47               | 0.47               | 0.47               | 0.49               | 0.49               | 0.49               | 0.49               | 0.49               | 0.52               | 0.52               | 0.52               | 0.52               | 0.52               |                    |
|                    | TC                | 8850         | 8862            | 8872               | 8872               | 8884               | 9384               | 9395               | 9404               | 9406               | 9417               | 9944               | 9957               | 9968               | 9970               | 9981               | 10544              | 10555              | 10567              | 10568              | 10581              |                    |
| 82°F<br>(27.8°C)   | S/T               | 0.37         | 0.43            | 0.49               | 0.49               | 0.56               | 0.39               | 0.46               | 0.52               | 0.52               | 0.59               | 0.41               | 0.48               | 0.55               | 0.55               | 0.63               | 0.44               | 0.51               | 0.58               | 0.58               | 0.66               |                    |
|                    | PI                | 0.48         | 0.48            | 0.48               | 0.48               | 0.48               | 0.51               | 0.51               | 0.51               | 0.51               | 0.51               | 0.54               | 0.54               | 0.54               | 0.54               | 0.54               | 0.57               | 0.57               | 0.57               | 0.57               | 0.57               |                    |
|                    | TC                | 8700         | 8711            | 8721               | 8721               | 8733               | 9224               | 9235               | 9244               | 9246               | 9257               | 9775               | 9788               | 9799               | 9800               | 9811               | 10364              | 10375              | 10387              | 10388              | 10401              |                    |
| 86°F<br>(30.0°C)   | S/T               | 0.37         | 0.44            | 0.50               | 0.50               | 0.56               | 0.39               | 0.46               | 0.53               | 0.53               | 0.60               | 0.42               | 0.49               | 0.56               | 0.56               | 0.63               | 0.44               | 0.52               | 0.59               | 0.59               | 0.67               |                    |
|                    | PI                | 0.56         | 0.56            | 0.56               | 0.56               | 0.56               | 0.59               | 0.59               | 0.59               | 0.59               | 0.59               | 0.63               | 0.63               | 0.63               | 0.63               | 0.63               | 0.66               | 0.67               | 0.67               | 0.67               | 0.67               |                    |
|                    | TC                | 8361         | 8372            | 8381               | 8381               | 8392               | 8864               | 8875               | 8884               | 8885               | 8896               | 9394               | 9406               | 9417               | 9418               | 9429               | 9960               | 9971               | 9982               | 9983               | 9996               |                    |
| 95°F<br>(35.0°C)   | S/T               | 0.37         | 0.44            | 0.50               | 0.50               | 0.56               | 0.39               | 0.46               | 0.53               | 0.53               | 0.60               | 0.42               | 0.49               | 0.56               | 0.56               | 0.63               | 0.44               | 0.52               | 0.59               | 0.59               | 0.67               |                    |
|                    | PI                | 0.73         | 0.74            | 0.74               | 0.74               | 0.74               | 0.78               | 0.78</             |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |

COOLING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 12 (Sheet 3 of 4)

| AIRFLOW<br>W (CFM) | OUTDOOR<br>DB(°F)  | ID     | 60.8°F (16.0°C) |          |          |          |          | 64.4°F (18.0°C) |          |          |          |          | 67°F (19.4°C) |          |          |          |          | 71.6°F (22.0°C) |          |          |          |          |
|--------------------|--------------------|--------|-----------------|----------|----------|----------|----------|-----------------|----------|----------|----------|----------|---------------|----------|----------|----------|----------|-----------------|----------|----------|----------|----------|
|                    |                    | ID     | 73.4°F          | 77.0°F   | 80.0°F   | 80.6°F   | 84.2°F   | 73.4°F          | 77.0°F   | 80.0°F   | 80.6°F   | 84.2°F   | 73.4°F        | 77.0°F   | 80.0°F   | 80.6°F   | 84.2°F   | 73.4°F          | 77.0°F   | 80.0°F   | 80.6°F   | 84.2°F   |
|                    |                    | DB(°F) | (23.0°C)        | (25.0°C) | (26.7°C) | (27.0°C) | (29.0°C) | (23.0°C)        | (25.0°C) | (26.7°C) | (27.0°C) | (29.0°C) | (23.0°C)      | (25.0°C) | (26.7°C) | (27.0°C) | (29.0°C) | (23.0°C)        | (25.0°C) | (26.7°C) | (27.0°C) | (29.0°C) |
| 324                | -22°F<br>(-30.0°C) | TC     | 7875            | 7886     | 7894     | 7895     | 7905     | 8350            | 8360     | 8368     | 8370     | 8380     | 8849          | 8860     | 8870     | 8872     | 8882     | 9382            | 9392     | 9402     | 9404     | 9415     |
|                    |                    | S/T    | 0.40            | 0.47     | 0.53     | 0.53     | 0.60     | 0.42            | 0.49     | 0.56     | 0.56     | 0.64     | 0.45          | 0.52     | 0.59     | 0.60     | 0.68     | 0.47            | 0.56     | 0.63     | 0.63     | 0.72     |
|                    |                    | PI     | 0.38            | 0.38     | 0.38     | 0.38     | 0.38     | 0.40            | 0.40     | 0.40     | 0.40     | 0.40     | 0.42          | 0.42     | 0.42     | 0.42     | 0.42     | 0.45            | 0.45     | 0.45     | 0.45     | 0.45     |
|                    | -13°F<br>(-25.0°C) | TC     | 8532            | 8543     | 8552     | 8553     | 8564     | 9046            | 9056     | 9065     | 9067     | 9078     | 9586          | 9599     | 9609     | 9611     | 9622     | 10164           | 10175    | 10186    | 10187    | 10200    |
|                    |                    | S/T    | 0.40            | 0.47     | 0.53     | 0.53     | 0.61     | 0.42            | 0.50     | 0.57     | 0.57     | 0.64     | 0.45          | 0.53     | 0.60     | 0.60     | 0.68     | 0.48            | 0.56     | 0.64     | 0.64     | 0.72     |
|                    |                    | PI     | 0.41            | 0.41     | 0.41     | 0.41     | 0.41     | 0.43            | 0.43     | 0.43     | 0.43     | 0.43     | 0.46          | 0.46     | 0.46     | 0.46     | 0.46     | 0.48            | 0.48     | 0.49     | 0.49     | 0.49     |
|                    | -4°F<br>(-20.0°C)  | TC     | 9188            | 9200     | 9210     | 9211     | 9223     | 9742            | 9753     | 9763     | 9765     | 9776     | 10324         | 10337    | 10348    | 10350    | 10362    | 10946           | 10957    | 10969    | 10971    | 10985    |
|                    |                    | S/T    | 0.40            | 0.47     | 0.54     | 0.54     | 0.61     | 0.43            | 0.50     | 0.57     | 0.57     | 0.65     | 0.45          | 0.53     | 0.60     | 0.60     | 0.69     | 0.48            | 0.56     | 0.64     | 0.64     | 0.73     |
|                    |                    | PI     | 0.44            | 0.44     | 0.44     | 0.44     | 0.44     | 0.46            | 0.46     | 0.47     | 0.47     | 0.47     | 0.49          | 0.49     | 0.49     | 0.49     | 0.49     | 0.52            | 0.52     | 0.52     | 0.52     | 0.52     |
|                    | 0°F<br>(-17.8°C)   | TC     | 9479            | 9492     | 9502     | 9503     | 9516     | 10051           | 10063    | 10073    | 10075    | 10087    | 10651         | 10665    | 10677    | 10679    | 10691    | 11293           | 11305    | 11318    | 11319    | 11333    |
|                    |                    | S/T    | 0.40            | 0.47     | 0.54     | 0.54     | 0.61     | 0.43            | 0.50     | 0.57     | 0.57     | 0.65     | 0.45          | 0.53     | 0.60     | 0.60     | 0.69     | 0.48            | 0.56     | 0.64     | 0.64     | 0.73     |
|                    |                    | PI     | 0.45            | 0.45     | 0.45     | 0.45     | 0.45     | 0.48            | 0.48     | 0.48     | 0.48     | 0.48     | 0.51          | 0.51     | 0.51     | 0.51     | 0.51     | 0.54            | 0.54     | 0.54     | 0.54     | 0.54     |
|                    | 5°F<br>(-15.0°C)   | TC     | 9844            | 9857     | 9868     | 9868     | 9882     | 10437           | 10450    | 10460    | 10462    | 10475    | 11061         | 11075    | 11088    | 11090    | 11102    | 11727           | 11740    | 11753    | 11755    | 11769    |
|                    |                    | S/T    | 0.41            | 0.48     | 0.54     | 0.54     | 0.62     | 0.43            | 0.50     | 0.57     | 0.57     | 0.65     | 0.46          | 0.53     | 0.61     | 0.61     | 0.69     | 0.48            | 0.57     | 0.64     | 0.64     | 0.73     |
|                    |                    | PI     | 0.47            | 0.47     | 0.47     | 0.47     | 0.47     | 0.50            | 0.50     | 0.50     | 0.50     | 0.50     | 0.53          | 0.53     | 0.53     | 0.53     | 0.53     | 0.56            | 0.56     | 0.56     | 0.56     | 0.56     |
|                    | 14°F<br>(-10.0°C)  | TC     | 9285            | 9297     | 9307     | 9308     | 9320     | 9844            | 9856     | 9866     | 9868     | 9880     | 10433         | 10446    | 10458    | 10460    | 10471    | 11061           | 11073    | 11085    | 11087    | 11101    |
|                    |                    | S/T    | 0.41            | 0.48     | 0.54     | 0.54     | 0.62     | 0.43            | 0.51     | 0.57     | 0.57     | 0.65     | 0.46          | 0.54     | 0.61     | 0.61     | 0.69     | 0.48            | 0.57     | 0.64     | 0.64     | 0.74     |
|                    |                    | PI     | 0.53            | 0.53     | 0.53     | 0.53     | 0.53     | 0.56            | 0.56     | 0.56     | 0.56     | 0.56     | 0.59          | 0.59     | 0.59     | 0.59     | 0.59     | 0.63            | 0.63     | 0.63     | 0.63     | 0.63     |
|                    | 17°F<br>(-8.3°C)   | TC     | 9099            | 9111     | 9121     | 9121     | 9133     | 9647            | 9658     | 9668     | 9670     | 9681     | 10223         | 10236    | 10248    | 10250    | 10261    | 10839           | 10851    | 10863    | 10864    | 10878    |
|                    |                    | S/T    | 0.41            | 0.48     | 0.54     | 0.54     | 0.62     | 0.43            | 0.51     | 0.58     | 0.58     | 0.66     | 0.46          | 0.54     | 0.61     | 0.61     | 0.70     | 0.49            | 0.57     | 0.65     | 0.65     | 0.74     |
|                    |                    | PI     | 0.55            | 0.55     | 0.55     | 0.55     | 0.55     | 0.58            | 0.58     | 0.58     | 0.58     | 0.58     | 0.61          | 0.61     | 0.61     | 0.61     | 0.61     | 0.65            | 0.65     | 0.65     | 0.65     | 0.65     |
|                    | 23°F<br>(-5.0°C)   | TC     | 9478            | 9491     | 9501     | 9502     | 9515     | 10050           | 10062    | 10072    | 10074    | 10085    | 10650         | 10664    | 10676    | 10678    | 10690    | 11292           | 11304    | 11316    | 11318    | 11332    |
|                    |                    | S/T    | 0.41            | 0.48     | 0.55     | 0.55     | 0.62     | 0.43            | 0.51     | 0.58     | 0.58     | 0.66     | 0.46          | 0.54     | 0.61     | 0.61     | 0.70     | 0.49            | 0.57     | 0.65     | 0.65     | 0.74     |
|                    |                    | PI     | 0.56            | 0.56     | 0.56     | 0.56     | 0.56     | 0.59            | 0.59     | 0.59     | 0.59     | 0.59     | 0.63          | 0.63     | 0.63     | 0.63     | 0.63     | 0.67            | 0.67     | 0.67     | 0.67     | 0.67     |
|                    | 35°F<br>(1.7°C)    | TC     | 10238           | 10252    | 10263    | 10264    | 10277    | 10855           | 10868    | 10879    | 10881    | 10894    | 11504         | 11519    | 11532    | 11534    | 11547    | 12197           | 12210    | 12224    | 12226    | 12241    |
|                    |                    | S/T    | 0.41            | 0.48     | 0.55     | 0.55     | 0.63     | 0.44            | 0.51     | 0.58     | 0.58     | 0.66     | 0.46          | 0.54     | 0.62     | 0.62     | 0.70     | 0.49            | 0.57     | 0.65     | 0.65     | 0.74     |
|                    |                    | PI     | 0.59            | 0.59     | 0.59     | 0.59     | 0.59     | 0.62            | 0.62     | 0.62     | 0.62     | 0.62     | 0.66          | 0.66     | 0.66     | 0.66     | 0.66     | 0.70            | 0.70     | 0.70     | 0.70     | 0.70     |
|                    | 41°F<br>(5.0°C)    | TC     | 9886            | 9899     | 9910     | 9910     | 9924     | 10482           | 10494    | 10504    | 10506    | 10519    | 11108         | 11122    | 11135    | 11137    | 11149    | 11777           | 11790    | 11803    | 11805    | 11819    |
|                    |                    | S/T    | 0.41            | 0.48     | 0.55     | 0.55     | 0.63     | 0.44            | 0.51     | 0.58     | 0.58     | 0.66     | 0.46          | 0.54     | 0.62     | 0.62     | 0.70     | 0.49            | 0.58     | 0.65     | 0.65     | 0.75     |
|                    |                    | PI     | 0.54            | 0.54     | 0.54     | 0.54     | 0.54     | 0.57            | 0.57     | 0.57     | 0.57     | 0.57     | 0.61          | 0.61     | 0.61     | 0.61     | 0.61     | 0.64            | 0.64     | 0.64     | 0.64     | 0.64     |
|                    | 47°F<br>(8.3°C)    | TC     | 9533            | 9546     | 9556     | 9557     | 9570     | 10108           | 10120    | 10130    | 10132    | 10144    | 10712         | 10726    | 10737    | 10739    | 10751    | 11357           | 11369    | 11382    | 11384    | 11398    |
|                    |                    | S/T    | 0.41            | 0.49     | 0.55     | 0.55     | 0.63     | 0.44            | 0.51     | 0.58     | 0.58     | 0.67     | 0.46          | 0.55     | 0.62     | 0.62     | 0.71     | 0.49            | 0.58     | 0.66     | 0.66     | 0.75     |
|                    |                    | PI     | 0.49            | 0.49     | 0.49     | 0.49     | 0.50     | 0.52            | 0.52     | 0.52     | 0.52     | 0.52     | 0.55          | 0.56     | 0.56     | 0.56     | 0.56     | 0.59            | 0.59     | 0.59     | 0.59     | 0.59     |
|                    | 50°F<br>(10.0°C)   | TC     | 9639            | 9652     | 9662     | 9663     | 9676     | 10220           | 10232    | 10242    | 10244    | 10256    | 10830         | 10844    | 10856    | 10858    | 10870    | 11483           | 11495    | 11508    | 11509    | 11524    |
|                    |                    | S/T    | 0.42            | 0.49     | 0.55     | 0.55     | 0.63     | 0.44            | 0.52     | 0.59     | 0.59     | 0.67     | 0.47          | 0.55     | 0.62     | 0.62     | 0.71     | 0.49            | 0.58     | 0.66     | 0.66     | 0.75     |
|                    |                    | PI     | 0.50            | 0.50     | 0.50     | 0.50     | 0.50     | 0.53            | 0.53     | 0.53     | 0.53     | 0.53     | 0.56          | 0.56     | 0.56     | 0.56     | 0.56     | 0.59            | 0.59     | 0.59     | 0.59     | 0.59     |
|                    | 59°F<br>(15.0°C)   | TC     | 9955            | 9969     | 9979     | 9980     | 9993     | 10555           | 10568    | 10578    | 10580    | 10593    | 11186         | 11200    | 11213    | 11215    | 11227    | 11860           | 11873    | 11886    | 11887    | 11902    |
|                    |                    | S/T    | 0.42            | 0.49     | 0.56     | 0.56     | 0.63     | 0.44            | 0.52     | 0.59     | 0.59     | 0.67     | 0.47          | 0.55     | 0.63     | 0.63     | 0.71     | 0.50            | 0.58     | 0.66     | 0.66     | 0.76     |
|                    |                    | PI     | 0.51            | 0.51     | 0.51     | 0.51     | 0.51     | 0.54            | 0.54     | 0.54     | 0.54     | 0.54     | 0.57          | 0.57     | 0.57     | 0.57     | 0.57     | 0.60            | 0.60     | 0.60     | 0.60     | 0.61     |
|                    | 68°F<br>(20.0°C)   | TC     | 10272           | 10286    | 10297    | 10297    | 10311    | 10891           | 10904    | 10914    | 10917    | 10930    | 11541         | 11556    | 11569    | 11571    | 11584    | 12237           | 12250    | 12263    | 12265    | 12281    |
|                    |                    | S/T    | 0.43            | 0.50     | 0.57     | 0.57     | 0.65     | 0.45            | 0.53     | 0.61     | 0.61     | 0.69     | 0.48          | 0.57     | 0.64     | 0.64     | 0.73     | 0.51            | 0.60     | 0.68     | 0.68     | 0.78     |
|                    |                    | PI     | 0.52            | 0.52     | 0.52     | 0.52     | 0.52     | 0.55            | 0.55     | 0.55     | 0.55     | 0.55     | 0.58          | 0.58     | 0.58     | 0.58     | 0.58     | 0.61            | 0.62     | 0.62     | 0.62     | 0.62     |
|                    | 77°F<br>(25.0°C)   | TC     | 10588           | 10602    | 10614    | 10614    | 10629    | 11226           | 11240    | 11251    | 11253    | 11266    | 11897         | 11912    | 11926    | 11928    | 11941    | 12614           | 12628    | 12641    | 12643    | 12659    |
|                    |                    | S/T    | 0.43            | 0.51     | 0.58     | 0.58     | 0.66     | 0.46            | 0.54     | 0.61     | 0.61     | 0.70     | 0.49          | 0.57     | 0.65     | 0.65     | 0.74     | 0.52            | 0.61     | 0.69     | 0.69     | 0.79     |
|                    |                    | PI     | 0.53            | 0.53     | 0.53     | 0.53     | 0.53     | 0.56            | 0.56     | 0.56     | 0.56     | 0.56     | 0.59          | 0.59     | 0.59     | 0.59     | 0.59     | 0.63            | 0.63     | 0.63     | 0.63     | 0.63     |
|                    | 82°F<br>(27.8°C)   | TC     | 10608           | 10622    | 10634    | 10634    | 10649    | 11247           | 11261    | 11272    | 11274    | 11288    | 11919         | 11935    | 11948    | 11950    | 11964    | 12638           | 12651    | 12665    | 12667    | 12683    |
|                    |                    | S/T    | 0.44            | 0.52     | 0.59     | 0.59     | 0.67     | 0.47            | 0.55     | 0.62     | 0.62     | 0.71     | 0.49          | 0.58     | 0.66     | 0.66     | 0.75     | 0.52            | 0.61     | 0.70     | 0.70     | 0.80     |
|                    |                    | PI     | 0.57            | 0.58     | 0.58     | 0.58     | 0.58     | 0.61            | 0.61     | 0.61     | 0.61     | 0.61     | 0.65          | 0.65     | 0.65     | 0.65     | 0.65     | 0.68            | 0.69     | 0.69     | 0.69     | 0.69     |
|                    | 86°F<br>(30.0°C)   | TC     | 10428           | 10442    | 10453    | 10453    | 10467    | 11056           | 11069    | 11080    | 11082    | 11095    | 11716         | 11732    | 11745    | 11747    | 11760    | 12422           | 12436    | 12449    | 12451    | 12467    |
|                    |                    | S/T    | 0.45            | 0.52     | 0.59     | 0.59     | 0.68     | 0.47            | 0.55     | 0.63     | 0.63     | 0.72     | 0.50          | 0.59     | 0.67     | 0.67     | 0.76     | 0.53            | 0.62     | 0.71     | 0.71     | 0.81     |
|                    |                    | PI     | 0.67            | 0.67     | 0.67     | 0.67     | 0.67     | 0.71            | 0.71     | 0.71     | 0.71     | 0.71     | 0.75          | 0.75     | 0.75     | 0.75     | 0.75     | 0.80            | 0.80     | 0.80     | 0.80     | 0.80     |
|                    | 95°F<br>(35.0°C)   | TC     | 10021           | 10034    | 10045    | 10046    | 10059    | 10625           | 10638    | 10648    | 10650    | 10663    | 11260         | 11274    | 11287    | 11289    | 11302    | 11938           |          |          |          |          |

COOLING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 12 (Sheet 4 of 4)

| AIRFLOW<br>W (CFM) | OUTDOOR<br>DB(°F)  | ID<br>WB(°F) | 60.8°F (16.0°C) |                    |                    |                    |                    | 64.4°F (18.0°C)    |                    |                    |                    |                    | 67°F (19.4°C)      |                    |                    |                    |                    | 71.6°F (22.0°C)    |                    |                    |                    |                    |
|--------------------|--------------------|--------------|-----------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                    |                    |              | ID<br>DB(°F)    | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) |
|                    |                    | TC           | 9439            | 9452               | 9462               | 9463               | 9475               | 10008              | 10020              | 10030              | 10032              | 10044              | 10606              | 10620              | 10632              | 10634              | 10646              | 11245              | 11257              | 11270              | 11271              | 11285              |
| 400                | -22°F<br>(-30.0°C) | S/T          | 0.48            | 0.56               | 0.63               | 0.63               | 0.72               | 0.50               | 0.59               | 0.67               | 0.67               | 0.77               | 0.53               | 0.63               | 0.71               | 0.71               | 0.81               | 0.57               | 0.67               | 0.76               | 0.76               | 0.86               |
|                    |                    | PI           | 0.45            | 0.45               | 0.45               | 0.45               | 0.45               | 0.48               | 0.48               | 0.48               | 0.48               | 0.48               | 0.51               | 0.51               | 0.51               | 0.51               | 0.51               | 0.54               | 0.54               | 0.54               | 0.54               | 0.54               |
|                    |                    | TC           | 10226           | 10240              | 10251              | 10251              | 10265              | 10842              | 10855              | 10866              | 10868              | 10881              | 11490              | 11505              | 11518              | 11520              | 11533              | 12182              | 12196              | 12209              | 12211              | 12226              |
|                    | -13°F<br>(-25.0°C) | S/T          | 0.48            | 0.56               | 0.64               | 0.64               | 0.73               | 0.51               | 0.60               | 0.68               | 0.68               | 0.77               | 0.54               | 0.63               | 0.72               | 0.72               | 0.82               | 0.57               | 0.67               | 0.76               | 0.76               | 0.87               |
|                    |                    | PI           | 0.49            | 0.49               | 0.49               | 0.49               | 0.49               | 0.52               | 0.52               | 0.52               | 0.52               | 0.52               | 0.55               | 0.55               | 0.55               | 0.55               | 0.55               | 0.58               | 0.58               | 0.58               | 0.58               | 0.58               |
|                    |                    | TC           | 11013           | 11027              | 11039              | 11040              | 11055              | 11676              | 11690              | 11702              | 11704              | 11718              | 12374              | 12390              | 12404              | 12406              | 12420              | 13119              | 13134              | 13148              | 13150              | 13166              |
|                    | -4°F<br>(-20.0°C)  | S/T          | 0.48            | 0.57               | 0.64               | 0.64               | 0.73               | 0.51               | 0.60               | 0.68               | 0.68               | 0.78               | 0.54               | 0.64               | 0.72               | 0.72               | 0.82               | 0.57               | 0.67               | 0.77               | 0.77               | 0.87               |
|                    |                    | PI           | 0.52            | 0.53               | 0.53               | 0.53               | 0.53               | 0.56               | 0.56               | 0.56               | 0.56               | 0.56               | 0.59               | 0.59               | 0.59               | 0.59               | 0.59               | 0.62               | 0.63               | 0.63               | 0.63               | 0.63               |
|                    |                    | TC           | 11362           | 11377              | 11390              | 11390              | 11406              | 12047              | 12061              | 12073              | 12076              | 12090              | 12767              | 12783              | 12798              | 12800              | 12814              | 13536              | 13551              | 13565              | 13567              | 13584              |
|                    | 0°F<br>(-17.8°C)   | S/T          | 0.48            | 0.57               | 0.64               | 0.64               | 0.73               | 0.51               | 0.60               | 0.68               | 0.68               | 0.78               | 0.54               | 0.64               | 0.72               | 0.72               | 0.83               | 0.58               | 0.68               | 0.77               | 0.77               | 0.88               |
|                    |                    | PI           | 0.54            | 0.54               | 0.54               | 0.54               | 0.54               | 0.57               | 0.57               | 0.58               | 0.58               | 0.58               | 0.61               | 0.61               | 0.61               | 0.61               | 0.61               | 0.64               | 0.65               | 0.65               | 0.65               | 0.65               |
|                    |                    | TC           | 11799           | 11815              | 11828              | 11828              | 11844              | 12510              | 12525              | 12537              | 12540              | 12555              | 13258              | 13275              | 13290              | 13292              | 13307              | 14057              | 14072              | 14087              | 14089              | 14107              |
|                    | 5°F<br>(-15.0°C)   | S/T          | 0.49            | 0.57               | 0.65               | 0.65               | 0.74               | 0.51               | 0.60               | 0.69               | 0.69               | 0.78               | 0.55               | 0.64               | 0.73               | 0.73               | 0.83               | 0.58               | 0.68               | 0.77               | 0.77               | 0.88               |
|                    |                    | PI           | 0.56            | 0.56               | 0.56               | 0.56               | 0.56               | 0.60               | 0.60               | 0.60               | 0.60               | 0.60               | 0.63               | 0.63               | 0.63               | 0.63               | 0.63               | 0.67               | 0.67               | 0.67               | 0.67               | 0.67               |
|                    |                    | TC           | 11129           | 11144              | 11156              | 11156              | 11172              | 11800              | 11814              | 11825              | 11828              | 11842              | 12505              | 12521              | 12535              | 12537              | 12551              | 13258              | 13272              | 13287              | 13289              | 13306              |
|                    | 14°F<br>(-10.0°C)  | S/T          | 0.49            | 0.57               | 0.65               | 0.65               | 0.74               | 0.52               | 0.61               | 0.69               | 0.69               | 0.78               | 0.55               | 0.64               | 0.73               | 0.73               | 0.83               | 0.58               | 0.68               | 0.77               | 0.77               | 0.88               |
|                    |                    | PI           | 0.63            | 0.63               | 0.63               | 0.63               | 0.63               | 0.67               | 0.67               | 0.67               | 0.67               | 0.67               | 0.71               | 0.71               | 0.71               | 0.71               | 0.71               | 0.75               | 0.75               | 0.75               | 0.75               | 0.75               |
|                    |                    | TC           | 10906           | 10920              | 10932              | 10932              | 10947              | 11563              | 11576              | 11588              | 11590              | 11604              | 12254              | 12270              | 12283              | 12285              | 12299              | 12992              | 13006              | 13020              | 13022              | 13038              |
|                    | 17°F<br>(-8.3°C)   | S/T          | 0.49            | 0.57               | 0.65               | 0.65               | 0.74               | 0.52               | 0.61               | 0.69               | 0.69               | 0.79               | 0.55               | 0.64               | 0.73               | 0.73               | 0.83               | 0.58               | 0.68               | 0.78               | 0.78               | 0.88               |
|                    |                    | PI           | 0.65            | 0.65               | 0.66               | 0.66               | 0.66               | 0.69               | 0.69               | 0.69               | 0.69               | 0.70               | 0.73               | 0.74               | 0.74               | 0.74               | 0.74               | 0.78               | 0.78               | 0.78               | 0.78               | 0.78               |
|                    |                    | TC           | 11361           | 11376              | 11389              | 11389              | 11404              | 12046              | 12060              | 12072              | 12074              | 12089              | 12765              | 12782              | 12796              | 12799              | 12813              | 13534              | 13549              | 13564              | 13566              | 13583              |
|                    | 23°F<br>(-5.0°C)   | S/T          | 0.49            | 0.58               | 0.65               | 0.65               | 0.75               | 0.52               | 0.61               | 0.69               | 0.69               | 0.79               | 0.55               | 0.65               | 0.74               | 0.74               | 0.84               | 0.58               | 0.69               | 0.78               | 0.78               | 0.89               |
|                    |                    | PI           | 0.67            | 0.67               | 0.67               | 0.67               | 0.67               | 0.71               | 0.71               | 0.71               | 0.71               | 0.71               | 0.75               | 0.75               | 0.75               | 0.75               | 0.75               | 0.80               | 0.80               | 0.80               | 0.80               | 0.80               |
|                    |                    | TC           | 12272           | 12288              | 12302              | 12302              | 12319              | 13011              | 13027              | 13040              | 13042              | 13058              | 13789              | 13807              | 13822              | 13825              | 13840              | 14620              | 14635              | 14651              | 14654              | 14672              |
|                    | 35°F<br>(1.7°C)    | S/T          | 0.49            | 0.58               | 0.66               | 0.66               | 0.75               | 0.52               | 0.61               | 0.70               | 0.70               | 0.79               | 0.55               | 0.65               | 0.74               | 0.74               | 0.84               | 0.59               | 0.69               | 0.78               | 0.78               | 0.89               |
|                    |                    | PI           | 0.70            | 0.70               | 0.70               | 0.70               | 0.70               | 0.74               | 0.74               | 0.75               | 0.75               | 0.75               | 0.79               | 0.79               | 0.79               | 0.79               | 0.79               | 0.84               | 0.84               | 0.84               | 0.84               | 0.84               |
|                    |                    | TC           | 11849           | 11865              | 11878              | 11878              | 11894              | 12563              | 12578              | 12591              | 12593              | 12608              | 13314              | 13331              | 13346              | 13349              | 13363              | 14116              | 14131              | 14147              | 14149              | 14167              |
|                    | 41°F<br>(5.0°C)    | S/T          | 0.49            | 0.58               | 0.66               | 0.66               | 0.75               | 0.52               | 0.61               | 0.70               | 0.70               | 0.80               | 0.56               | 0.65               | 0.74               | 0.74               | 0.84               | 0.59               | 0.69               | 0.78               | 0.78               | 0.89               |
|                    |                    | PI           | 0.65            | 0.65               | 0.65               | 0.65               | 0.65               | 0.69               | 0.69               | 0.69               | 0.69               | 0.69               | 0.73               | 0.73               | 0.73               | 0.73               | 0.73               | 0.77               | 0.77               | 0.77               | 0.77               | 0.77               |
|                    |                    | TC           | 11427           | 11442              | 11454              | 11455              | 11470              | 12115              | 12130              | 12142              | 12144              | 12158              | 12839              | 12856              | 12870              | 12872              | 12887              | 13613              | 13627              | 13642              | 13644              | 13661              |
|                    | 47°F<br>(8.3°C)    | S/T          | 0.50            | 0.58               | 0.66               | 0.66               | 0.75               | 0.53               | 0.62               | 0.70               | 0.70               | 0.80               | 0.56               | 0.65               | 0.74               | 0.74               | 0.85               | 0.59               | 0.69               | 0.79               | 0.79               | 0.90               |
|                    |                    | PI           | 0.59            | 0.59               | 0.59               | 0.59               | 0.59               | 0.63               | 0.63               | 0.63               | 0.63               | 0.63               | 0.66               | 0.67               | 0.67               | 0.67               | 0.67               | 0.70               | 0.71               | 0.71               | 0.71               | 0.71               |
|                    |                    | TC           | 11553           | 11569              | 11581              | 11582              | 11597              | 12249              | 12264              | 12276              | 12278              | 12293              | 12981              | 12998              | 13012              | 13015              | 13029              | 13763              | 13778              | 13793              | 13795              | 13813              |
|                    | 50°F<br>(10.0°C)   | S/T          | 0.50            | 0.58               | 0.66               | 0.66               | 0.76               | 0.53               | 0.62               | 0.70               | 0.70               | 0.80               | 0.56               | 0.66               | 0.75               | 0.75               | 0.85               | 0.59               | 0.70               | 0.79               | 0.79               | 0.90               |
|                    |                    | PI           | 0.60            | 0.60               | 0.60               | 0.60               | 0.60               | 0.63               | 0.63               | 0.63               | 0.63               | 0.63               | 0.67               | 0.67               | 0.67               | 0.67               | 0.67               | 0.71               | 0.71               | 0.71               | 0.71               | 0.71               |
|                    |                    | TC           | 11932           | 11948              | 11961              | 11962              | 11978              | 12652              | 12667              | 12679              | 12682              | 12697              | 13407              | 13425              | 13440              | 13442              | 13457              | 14215              | 14231              | 14246              | 14248              | 14266              |
|                    | 59°F<br>(15.0°C)   | S/T          | 0.50            | 0.59               | 0.67               | 0.67               | 0.76               | 0.53               | 0.62               | 0.71               | 0.71               | 0.81               | 0.56               | 0.66               | 0.75               | 0.75               | 0.86               | 0.60               | 0.70               | 0.80               | 0.80               | 0.91               |
|                    |                    | PI           | 0.61            | 0.61               | 0.61               | 0.61               | 0.61               | 0.64               | 0.64               | 0.64               | 0.64               | 0.65               | 0.68               | 0.68               | 0.68               | 0.68               | 0.68               | 0.72               | 0.72               | 0.72               | 0.72               | 0.73               |
|                    |                    | TC           | 12312           | 12328              | 12342              | 12342              | 12359              | 13054              | 13069              | 13082              | 13085              | 13100              | 13834              | 13852              | 13867              | 13870              | 13885              | 14667              | 14683              | 14699              | 14701              | 14720              |
|                    | 68°F<br>(20.0°C)   | S/T          | 0.51            | 0.60               | 0.69               | 0.69               | 0.78               | 0.54               | 0.64               | 0.73               | 0.73               | 0.83               | 0.58               | 0.68               | 0.77               | 0.77               | 0.88               | 0.61               | 0.72               | 0.82               | 0.82               | 0.93               |
|                    |                    | PI           | 0.62            | 0.62               | 0.62               | 0.62               | 0.62               | 0.66               | 0.66               | 0.66               | 0.66               | 0.66               | 0.69               | 0.70               | 0.70               | 0.70               | 0.70               | 0.74               | 0.74               | 0.74               | 0.74               | 0.74               |
|                    |                    | TC           | 12691           | 12708              | 12722              | 12722              | 12740              | 13456              | 13472              | 13485              | 13488              | 13504              | 14260              | 14278              | 14294              | 14297              | 14313              | 15119              | 15135              | 15152              | 15154              | 15173              |
|                    | 77°F<br>(25.0°C)   | S/T          | 0.52            | 0.61               | 0.69               | 0.69               | 0.79               | 0.55               | 0.65               | 0.74               | 0.74               | 0.84               | 0.59               | 0.69               | 0.78               | 0.78               | 0.89               | 0.62               | 0.73               | 0.83               | 0.83               | 0.94               |
|                    |                    | PI           | 0.63            | 0.63               | 0.63               | 0.63               | 0.63               | 0.67               | 0.67               | 0.67               | 0.67               | 0.67               | 0.71               | 0.71               | 0.71               | 0.71               | 0.71               | 0.75               | 0.75               | 0.75               | 0.75               | 0.75               |
|                    |                    | TC           | 12715           | 12732              | 12746              | 12746              | 12764              | 13481              | 13497              | 13511              | 13513              | 13529              | 14287              | 14305              | 14321              | 14324              | 14340              | 15148              | 15164              | 15181              | 15183              | 15202              |
|                    | 82°F<br>(27.8°C)   | S/T          | 0.53            | 0.62               | 0.70               | 0.70               | 0.80               | 0.56               | 0.66               | 0.75               | 0.75               | 0.85               | 0.59               | 0.70               | 0.79               | 0.79               | 0.90               | 0.63               | 0.74               | 0.84               | 0.84               | 0.95               |
|                    |                    | PI           | 0.69            | 0.69               | 0.69               | 0.69               | 0.69               | 0.73               | 0.73               | 0.73               | 0.73               | 0.73               | 0.77               | 0.77               | 0.78               | 0.78               | 0.78               | 0.82               | 0.82               | 0.82               | 0.82               | 0.82               |
|                    |                    | TC           | 12499           | 12515              | 12529              | 12529              | 12546              | 13252              | 13267              | 13281              | 13283              | 13299              | 14043              | 14062              | 14077              | 14080              | 14096              | 14890              | 14906              | 14922              | 14924              | 14943              |
|                    | 86°F<br>(30.0°C)   | S/T          | 0.53            | 0.63               | 0.71               | 0.71               | 0.81               | 0.57               | 0.66               | 0.75               | 0.75               | 0.86               | 0.60               | 0.70               | 0.80               | 0.80               | 0.91               | 0.64               | 0.75               | 0.85               | 0.85               | 0.97               |
|                    |                    | PI           | 0.80            | 0.80               | 0.80               | 0.80               | 0.80               | 0.85               | 0.85               | 0.85               | 0.85               | 0.85               | 0.90               | 0.90               | 0.90               | 0.90               | 0.90               | 0.95               | 0.96               | 0.96               | 0.96               | 0.96               |
|                    |                    | TC           | 12011           | 12027              | 12040              | 12041              | 12057              | 12735              | 12750              | 12763              | 12765              | 12780              | 13496              | 13514              | 135                |                    |                    |                    |                    |                    |                    |                    |

**Table 48 — Low Static Heating Performance (12K)**

HEATING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 12 (Sheet 1 of 2)

| AIRFLOW<br>(CFM) | OUTDOOR<br>DB(°F) | TC: Total Heating Capacity (BTU/hr) |                  |                  |                    |                    | PI: Power Input (kW)      |                  |                  |                    |                    |
|------------------|-------------------|-------------------------------------|------------------|------------------|--------------------|--------------------|---------------------------|------------------|------------------|--------------------|--------------------|
|                  |                   | Indoor Conditions (DB °F)           |                  |                  |                    |                    | Indoor Conditions (DB °F) |                  |                  |                    |                    |
|                  |                   | 60.8°F<br>(16.0°C)                  | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) | 60.8°F<br>(16.0°C)        | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) |
| 176              | -22°F(-30.0°C)    | 3689                                | 3615             | 3597             | 3799               | 3765               | 1.41                      | 1.42             | 1.43             | 1.43               | 1.44               |
|                  | -13°F(-25.0°C)    | 4834                                | 4737             | 4714             | 4787               | 4744               | 1.48                      | 1.50             | 1.50             | 1.50               | 1.51               |
|                  | -4°F(-20.0°C)     | 6108                                | 5986             | 5956             | 6049               | 5994               | 1.59                      | 1.60             | 1.61             | 1.61               | 1.62               |
|                  | 0°F(-17.8°C)      | 6516                                | 6386             | 6354             | 6453               | 6395               | 1.66                      | 1.67             | 1.68             | 1.68               | 1.69               |
|                  | 5°F(-15.0°C)      | 7027                                | 6886             | 6852             | 6958               | 6895               | 1.75                      | 1.76             | 1.77             | 1.77               | 1.78               |
|                  | 14°F(-10.0°C)     | 7632                                | 7479             | 7442             | 7557               | 7489               | 1.82                      | 1.84             | 1.84             | 1.85               | 1.85               |
|                  | 17°F(-8.3°C)      | 7833                                | 7677             | 7638             | 7757               | 7687               | 1.85                      | 1.87             | 1.87             | 1.87               | 1.88               |
|                  | 22°F(-5.6°C)      | 8008                                | 7848             | 7809             | 7930               | 7859               | 1.79                      | 1.81             | 1.81             | 1.81               | 1.82               |
|                  | 27°F(-2.8°C)      | 8183                                | 8020             | 7980             | 8103               | 8031               | 1.73                      | 1.75             | 1.75             | 1.75               | 1.76               |
|                  | 32°F(0.0°C)       | 8358                                | 8191             | 8150             | 8277               | 8202               | 1.68                      | 1.69             | 1.69             | 1.70               | 1.70               |
|                  | 35°F(1.7°C)       | 8463                                | 8294             | 8253             | 8381               | 8305               | 1.64                      | 1.65             | 1.66             | 1.66               | 1.67               |
|                  | 37°F(2.8°C)       | 8658                                | 8485             | 8442             | 8573               | 8496               | 1.60                      | 1.61             | 1.61             | 1.62               | 1.62               |
|                  | 42°F(5.6°C)       | 9144                                | 8961             | 8916             | 9054               | 8973               | 1.48                      | 1.50             | 1.50             | 1.50               | 1.51               |
|                  | 44.6°F(7.0°C)     | 9338                                | 9151             | 9106             | 9247               | 9164               | 1.44                      | 1.45             | 1.45             | 1.46               | 1.46               |
|                  | 47°F(8.3°C)       | 9630                                | 9437             | 9390             | 9536               | 9450               | 1.37                      | 1.38             | 1.39             | 1.39               | 1.39               |
|                  | 52°F(11.1°C)      | 9510                                | 9320             | 9273             | 9417               | 9333               | 1.23                      | 1.24             | 1.24             | 1.25               | 1.25               |
|                  | 57°F(13.9°C)      | 9391                                | 9203             | 9157             | 9299               | 9215               | 1.09                      | 1.10             | 1.10             | 1.10               | 1.11               |
|                  | 59°F(15.0°C)      | 9343                                | 9156             | 9110             | 9252               | 9168               | 1.03                      | 1.04             | 1.04             | 1.05               | 1.05               |
|                  | 62°F(16.7°C)      | 9271                                | 9086             | 9040             | 9181               | 9098               | 0.95                      | 0.96             | 0.96             | 0.96               | 0.96               |
| 265              | 64.4°F(18.0°C)    | 9223                                | 9039             | 8994             | 9133               | 9051               | 0.89                      | 0.90             | 0.90             | 0.90               | 0.91               |
|                  | -22°F(-30.0°C)    | 4509                                | 4419             | 4397             | 4510               | 4469               | 1.43                      | 1.44             | 1.44             | 1.44               | 1.45               |
|                  | -13°F(-25.0°C)    | 5794                                | 5678             | 5650             | 5682               | 5631               | 1.50                      | 1.51             | 1.51             | 1.52               | 1.52               |
|                  | -4°F(-20.0°C)     | 7321                                | 7175             | 7139             | 7180               | 7115               | 1.61                      | 1.62             | 1.62             | 1.63               | 1.63               |
|                  | 0°F(-17.8°C)      | 7811                                | 7654             | 7616             | 7660               | 7591               | 1.68                      | 1.69             | 1.69             | 1.70               | 1.70               |
|                  | 5°F(-15.0°C)      | 8422                                | 8254             | 8213             | 8259               | 8185               | 1.77                      | 1.78             | 1.78             | 1.79               | 1.79               |
|                  | 14°F(-10.0°C)     | 9147                                | 8965             | 8920             | 8971               | 8890               | 1.84                      | 1.86             | 1.86             | 1.87               | 1.87               |
|                  | 17°F(-8.3°C)      | 9389                                | 9201             | 9155             | 9208               | 9125               | 1.87                      | 1.88             | 1.89             | 1.89               | 1.90               |
|                  | 22°F(-5.6°C)      | 9599                                | 9407             | 9360             | 9413               | 9329               | 1.81                      | 1.82             | 1.83             | 1.83               | 1.84               |
|                  | 27°F(-2.8°C)      | 9809                                | 9612             | 9564             | 9619               | 9533               | 1.75                      | 1.77             | 1.77             | 1.77               | 1.78               |
|                  | 32°F(0.0°C)       | 10018                               | 9818             | 9769             | 9825               | 9736               | 1.69                      | 1.71             | 1.71             | 1.71               | 1.72               |
|                  | 35°F(1.7°C)       | 10144                               | 9941             | 9892             | 9948               | 9859               | 1.66                      | 1.67             | 1.67             | 1.68               | 1.68               |
|                  | 37°F(2.8°C)       | 10377                               | 10170            | 10119            | 10177              | 10085              | 1.61                      | 1.63             | 1.63             | 1.63               | 1.64               |
|                  | 42°F(5.6°C)       | 10960                               | 10741            | 10687            | 10748              | 10651              | 1.50                      | 1.51             | 1.51             | 1.52               | 1.52               |
|                  | 44.6°F(7.0°C)     | 11193                               | 10969            | 10914            | 10976              | 10878              | 1.45                      | 1.47             | 1.47             | 1.47               | 1.48               |
|                  | 47°F(8.3°C)       | 11542                               | 11311            | 11255            | 11319              | 11217              | 1.39                      | 1.40             | 1.40             | 1.40               | 1.41               |
|                  | 52°F(11.1°C)      | 11399                               | 11171            | 11115            | 11179              | 11078              | 1.24                      | 1.25             | 1.26             | 1.26               | 1.26               |
|                  | 57°F(13.9°C)      | 11256                               | 11031            | 10975            | 11038              | 10939              | 1.10                      | 1.11             | 1.11             | 1.11               | 1.12               |
|                  | 59°F(15.0°C)      | 11198                               | 10974            | 10920            | 10982              | 10883              | 1.04                      | 1.05             | 1.05             | 1.06               | 1.06               |
|                  | 62°F(16.7°C)      | 11112                               | 10890            | 10836            | 10898              | 10800              | 0.96                      | 0.97             | 0.97             | 0.97               | 0.97               |
| 324              | 64.4°F(18.0°C)    | 11055                               | 10834            | 10780            | 10841              | 10744              | 0.90                      | 0.91             | 0.91             | 0.91               | 0.92               |
|                  | -22°F(-30.0°C)    | 5512                                | 5401             | 5374             | 5353               | 5305               | 1.44                      | 1.45             | 1.46             | 1.46               | 1.47               |
|                  | -13°F(-25.0°C)    | 6945                                | 6806             | 6772             | 6745               | 6684               | 1.51                      | 1.53             | 1.53             | 1.53               | 1.54               |
|                  | -4°F(-20.0°C)     | 8775                                | 8600             | 8557             | 8523               | 8446               | 1.62                      | 1.64             | 1.64             | 1.64               | 1.65               |
|                  | 0°F(-17.8°C)      | 9362                                | 9175             | 9129             | 9092               | 9010               | 1.69                      | 1.71             | 1.71             | 1.71               | 1.72               |
|                  | 5°F(-15.0°C)      | 10095                               | 9893             | 9844             | 9804               | 9716               | 1.78                      | 1.80             | 1.80             | 1.81               | 1.81               |
|                  | 14°F(-10.0°C)     | 10964                               | 10745            | 10691            | 10648              | 10553              | 1.86                      | 1.88             | 1.88             | 1.88               | 1.89               |
|                  | 17°F(-8.3°C)      | 11254                               | 11029            | 10974            | 10930              | 10832              | 1.89                      | 1.90             | 1.91             | 1.91               | 1.92               |
|                  | 22°F(-5.6°C)      | 11505                               | 11275            | 11219            | 11174              | 11073              | 1.83                      | 1.84             | 1.85             | 1.85               | 1.86               |
|                  | 27°F(-2.8°C)      | 11757                               | 11522            | 11464            | 11418              | 11315              | 1.77                      | 1.78             | 1.79             | 1.79               | 1.80               |
|                  | 32°F(0.0°C)       | 12008                               | 11768            | 11709            | 11662              | 11557              | 1.71                      | 1.72             | 1.73             | 1.73               | 1.74               |
|                  | 35°F(1.7°C)       | 12159                               | 11916            | 11856            | 11809              | 11703              | 1.67                      | 1.69             | 1.69             | 1.69               | 1.70               |
|                  | 37°F(2.8°C)       | 12438                               | 12189            | 12129            | 12080              | 11971              | 1.63                      | 1.64             | 1.64             | 1.65               | 1.65               |
|                  | 42°F(5.6°C)       | 13136                               | 12874            | 12809            | 12758              | 12643              | 1.51                      | 1.53             | 1.53             | 1.53               | 1.54               |
|                  | 44.6°F(7.0°C)     | 13416                               | 13147            | 13082            | 13029              | 12912              | 1.47                      | 1.48             | 1.48             | 1.49               | 1.49               |
|                  | 47°F(8.3°C)       | 13835                               | 13558            | 13490            | 13436              | 13315              | 1.40                      | 1.41             | 1.41             | 1.42               | 1.42               |
|                  | 52°F(11.1°C)      | 13663                               | 13390            | 13323            | 13269              | 13150              | 1.26                      | 1.27             | 1.27             | 1.27               | 1.28               |
|                  | 57°F(13.9°C)      | 13491                               | 13221            | 13155            | 13103              | 12985              | 1.11                      | 1.12             | 1.12             | 1.13               | 1.13               |
|                  | 59°F(15.0°C)      | 13423                               | 13154            | 13088            | 13036              | 12919              | 1.05                      | 1.06             | 1.07             | 1.07               | 1.07               |
|                  | 62°F(16.7°C)      | 13319                               | 13053            | 12988            | 12936              | 12819              | 0.97                      | 0.98             | 0.98             | 0.98               | 0.98               |
|                  | 64.4°F(18.0°C)    | 13251                               | 12986            | 12921            | 12869              | 12753              | 0.91                      | 0.92             | 0.92             | 0.92               | 0.93               |

## HEATING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 12 (Sheet 2 of 2)

| AIRFLOW<br>(CFM) | OUTDOOR<br>DB(°F) | TC: Total Heating Capacity (BTU/hr) |                  |                  |                    |                    | PI: Power Input (kW)      |                  |                  |                    |                    |
|------------------|-------------------|-------------------------------------|------------------|------------------|--------------------|--------------------|---------------------------|------------------|------------------|--------------------|--------------------|
|                  |                   | Indoor Conditions (DB °F)           |                  |                  |                    |                    | Indoor Conditions (DB °F) |                  |                  |                    |                    |
|                  |                   | 60.8°F<br>(16.0°C)                  | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) | 60.8°F<br>(16.0°C)        | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) |
| 400              | -22°F(-30.0°C)    | 6606                                | 6474             | 6442             | 6416               | 6358               | 1.46                      | 1.47             | 1.47             | 1.47               | 1.48               |
|                  | -13°F(-25.0°C)    | 8324                                | 8158             | 8117             | 8085               | 8012               | 1.53                      | 1.54             | 1.55             | 1.55               | 1.55               |
|                  | -4°F(-20.0°C)     | 10518                               | 10308            | 10256            | 10215              | 10124              | 1.64                      | 1.65             | 1.66             | 1.66               | 1.66               |
|                  | 0°F(-17.8°C)      | 11221                               | 10997            | 10942            | 10898              | 10800              | 1.71                      | 1.72             | 1.73             | 1.73               | 1.74               |
|                  | 5°F(-15.0°C)      | 12100                               | 11858            | 11799            | 11752              | 11646              | 1.80                      | 1.82             | 1.82             | 1.82               | 1.83               |
|                  | 14°F(-10.0°C)     | 13142                               | 12879            | 12815            | 12763              | 12648              | 1.88                      | 1.90             | 1.90             | 1.90               | 1.91               |
|                  | 17°F(-8.3°C)      | 13489                               | 13219            | 13153            | 13101              | 12983              | 1.91                      | 1.92             | 1.93             | 1.93               | 1.94               |
|                  | 22°F(-5.6°C)      | 13790                               | 13515            | 13447            | 13393              | 13273              | 1.85                      | 1.86             | 1.87             | 1.87               | 1.88               |
|                  | 27°F(-2.8°C)      | 14092                               | 13810            | 13741            | 13686              | 13563              | 1.79                      | 1.80             | 1.80             | 1.81               | 1.82               |
|                  | 32°F(0.0°C)       | 14393                               | 14105            | 14035            | 13979              | 13853              | 1.73                      | 1.74             | 1.74             | 1.75               | 1.75               |
|                  | 35°F(1.7°C)       | 14574                               | 14282            | 14211            | 14154              | 14027              | 1.69                      | 1.70             | 1.71             | 1.71               | 1.72               |
|                  | 37°F(2.8°C)       | 14909                               | 14610            | 14537            | 14479              | 14349              | 1.64                      | 1.66             | 1.66             | 1.66               | 1.67               |
|                  | 42°F(5.6°C)       | 15745                               | 15431            | 15353            | 15292              | 15154              | 1.53                      | 1.54             | 1.54             | 1.55               | 1.55               |
|                  | 44.6°F(7.0°C)     | 16080                               | 15759            | 15680            | 15617              | 15477              | 1.48                      | 1.50             | 1.50             | 1.50               | 1.51               |
|                  | 47°F(8.3°C)       | 16582                               | 16251            | 16169            | 16105              | 15960              | 1.41                      | 1.43             | 1.43             | 1.43               | 1.44               |
|                  | 52°F(11.1°C)      | 16377                               | 16049            | 15969            | 15905              | 15762              | 1.27                      | 1.28             | 1.28             | 1.28               | 1.29               |
|                  | 57°F(13.9°C)      | 16171                               | 15847            | 15768            | 15705              | 15564              | 1.12                      | 1.13             | 1.13             | 1.14               | 1.14               |
|                  | 59°F(15.0°C)      | 16088                               | 15767            | 15688            | 15625              | 15484              | 1.07                      | 1.07             | 1.08             | 1.08               | 1.08               |
|                  | 62°F(16.7°C)      | 15965                               | 15646            | 15567            | 15505              | 15366              | 0.98                      | 0.99             | 0.99             | 0.99               | 0.99               |
|                  | 64.4°F(18.0°C)    | 15883                               | 15565            | 15487            | 15425              | 15286              | 0.92                      | 0.93             | 0.93             | 0.93               | 0.93               |

**Table 49 — Low Static Cooling Performance (18K)**

COOLING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 18 (Sheet 1 of 4)

| AIRFLOW<br>(CFM) | OUTDOOR<br>DB (°F) | ID WB(°F)<br><br>ID DB(°F) | 60.8°F (16.0°C)    |                    |                    |                    |                    | 64.4°F (18.0°C)    |                    |                    |                    |                    | 67°F (19.4°C)      |                    |                    |                    |                    | 71.6°F (22.0°C)    |                    |                    |                    |                    |
|------------------|--------------------|----------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                  |                    |                            | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) |
|                  |                    |                            |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |
| 441              | -22°F<br>(-30.0°C) | TC                         | 11811              | 11827              | 11839              | 11840              | 11856              | 12522              | 12537              | 12550              | 12552              | 12567              | 13271              | 13288              | 13303              | 13305              | 13320              | 14070              | 14085              | 14101              | 14103              | 14121              |
|                  |                    | S/T                        | 0.42               | 0.49               | 0.56               | 0.56               | 0.64               | 0.45               | 0.52               | 0.59               | 0.59               | 0.68               | 0.47               | 0.55               | 0.63               | 0.63               | 0.72               | 0.50               | 0.59               | 0.67               | 0.67               | 0.76               |
|                  |                    | PI                         | 0.53               | 0.53               | 0.53               | 0.53               | 0.53               | 0.56               | 0.56               | 0.56               | 0.56               | 0.56               | 0.59               | 0.59               | 0.59               | 0.59               | 0.60               | 0.63               | 0.63               | 0.63               | 0.63               | 0.63               |
|                  | -13°F<br>(-25.0°C) | TC                         | 12795              | 12812              | 12826              | 12826              | 12844              | 13566              | 13582              | 13595              | 13598              | 13614              | 14376              | 14395              | 14411              | 14414              | 14430              | 15243              | 15259              | 15276              | 15278              | 15297              |
|                  |                    | S/T                        | 0.42               | 0.50               | 0.56               | 0.56               | 0.64               | 0.45               | 0.53               | 0.60               | 0.60               | 0.68               | 0.48               | 0.56               | 0.63               | 0.63               | 0.72               | 0.50               | 0.59               | 0.67               | 0.67               | 0.77               |
|                  |                    | PI                         | 0.57               | 0.57               | 0.57               | 0.57               | 0.57               | 0.61               | 0.61               | 0.61               | 0.61               | 0.61               | 0.64               | 0.64               | 0.64               | 0.64               | 0.64               | 0.68               | 0.68               | 0.68               | 0.68               | 0.68               |
|                  | -4°F<br>(-20.0°C)  | TC                         | 13779              | 13798              | 13813              | 13813              | 13832              | 14610              | 14627              | 14641              | 14644              | 14662              | 15482              | 15502              | 15520              | 15523              | 15540              | 16415              | 16433              | 16451              | 16453              | 16474              |
|                  |                    | S/T                        | 0.43               | 0.50               | 0.57               | 0.57               | 0.65               | 0.45               | 0.53               | 0.60               | 0.60               | 0.69               | 0.48               | 0.56               | 0.64               | 0.64               | 0.73               | 0.51               | 0.60               | 0.68               | 0.68               | 0.77               |
|                  |                    | PI                         | 0.62               | 0.62               | 0.62               | 0.62               | 0.62               | 0.65               | 0.65               | 0.65               | 0.65               | 0.66               | 0.69               | 0.69               | 0.69               | 0.69               | 0.69               | 0.73               | 0.73               | 0.74               | 0.74               | 0.74               |
|                  | 0°F<br>(-17.8°C)   | TC                         | 14217              | 14236              | 14251              | 14252              | 14271              | 15073              | 15091              | 15106              | 15109              | 15127              | 15974              | 15995              | 16012              | 16015              | 16033              | 16936              | 16955              | 16973              | 16976              | 16997              |
|                  |                    | S/T                        | 0.43               | 0.50               | 0.57               | 0.57               | 0.65               | 0.45               | 0.53               | 0.60               | 0.60               | 0.69               | 0.48               | 0.56               | 0.64               | 0.64               | 0.73               | 0.51               | 0.60               | 0.68               | 0.68               | 0.77               |
|                  |                    | PI                         | 0.64               | 0.64               | 0.64               | 0.64               | 0.64               | 0.67               | 0.67               | 0.68               | 0.68               | 0.68               | 0.71               | 0.71               | 0.72               | 0.72               | 0.72               | 0.76               | 0.76               | 0.76               | 0.76               | 0.76               |
|                  | 5°F<br>(-15.0°C)   | TC                         | 14763              | 14783              | 14799              | 14800              | 14820              | 15653              | 15672              | 15687              | 15690              | 15709              | 16588              | 16610              | 16628              | 16631              | 16650              | 17588              | 17607              | 17626              | 17629              | 17651              |
|                  |                    | S/T                        | 0.43               | 0.50               | 0.57               | 0.57               | 0.65               | 0.46               | 0.53               | 0.61               | 0.61               | 0.69               | 0.48               | 0.57               | 0.64               | 0.64               | 0.73               | 0.51               | 0.60               | 0.68               | 0.68               | 0.78               |
|                  |                    | PI                         | 0.66               | 0.66               | 0.66               | 0.66               | 0.66               | 0.70               | 0.70               | 0.70               | 0.70               | 0.70               | 0.74               | 0.74               | 0.74               | 0.74               | 0.74               | 0.79               | 0.79               | 0.79               | 0.79               | 0.79               |
|                  | 14°F<br>(-10.0°C)  | TC                         | 15753              | 15774              | 15791              | 15792              | 15813              | 16703              | 16722              | 16739              | 16742              | 16762              | 17700              | 17723              | 17743              | 17746              | 17766              | 18767              | 18787              | 18808              | 18811              | 18834              |
|                  |                    | S/T                        | 0.43               | 0.50               | 0.57               | 0.57               | 0.65               | 0.46               | 0.53               | 0.61               | 0.61               | 0.69               | 0.48               | 0.57               | 0.64               | 0.64               | 0.73               | 0.51               | 0.60               | 0.68               | 0.68               | 0.78               |
|                  |                    | PI                         | 0.61               | 0.61               | 0.61               | 0.61               | 0.62               | 0.65               | 0.65               | 0.65               | 0.65               | 0.65               | 0.69               | 0.69               | 0.69               | 0.69               | 0.69               | 0.73               | 0.73               | 0.73               | 0.73               | 0.73               |
|                  | 17°F<br>(-8.3°C)   | TC                         | 16083              | 16105              | 16122              | 16123              | 16145              | 17052              | 17073              | 17089              | 17093              | 17113              | 18071              | 18095              | 18115              | 18118              | 18138              | 19160              | 19181              | 19202              | 19205              | 19229              |
|                  |                    | S/T                        | 0.43               | 0.51               | 0.58               | 0.58               | 0.66               | 0.46               | 0.54               | 0.61               | 0.61               | 0.70               | 0.48               | 0.57               | 0.65               | 0.65               | 0.74               | 0.51               | 0.60               | 0.69               | 0.69               | 0.78               |
|                  |                    | PI                         | 0.60               | 0.60               | 0.60               | 0.60               | 0.60               | 0.63               | 0.63               | 0.64               | 0.64               | 0.64               | 0.67               | 0.67               | 0.67               | 0.67               | 0.67               | 0.71               | 0.71               | 0.71               | 0.71               | 0.71               |
|                  | 23°F<br>(-5.0°C)   | TC                         | 16022              | 16043              | 16060              | 16061              | 16083              | 16987              | 17007              | 17024              | 17027              | 17048              | 18002              | 18025              | 18045              | 18049              | 18069              | 19087              | 19107              | 19128              | 19131              | 19155              |
|                  |                    | S/T                        | 0.43               | 0.51               | 0.58               | 0.58               | 0.66               | 0.46               | 0.54               | 0.61               | 0.61               | 0.70               | 0.49               | 0.57               | 0.65               | 0.65               | 0.74               | 0.52               | 0.61               | 0.69               | 0.69               | 0.78               |
|                  |                    | PI                         | 0.62               | 0.62               | 0.62               | 0.62               | 0.62               | 0.66               | 0.66               | 0.66               | 0.66               | 0.66               | 0.70               | 0.70               | 0.70               | 0.70               | 0.70               | 0.74               | 0.74               | 0.74               | 0.74               | 0.74               |
|                  | 35°F<br>(1.7°C)    | TC                         | 15898              | 15920              | 15937              | 15938              | 15959              | 16856              | 16876              | 16893              | 16896              | 16917              | 17864              | 17887              | 17907              | 17910              | 17930              | 18940              | 18960              | 18981              | 18984              | 19008              |
|                  |                    | S/T                        | 0.44               | 0.51               | 0.58               | 0.58               | 0.66               | 0.46               | 0.54               | 0.62               | 0.62               | 0.70               | 0.49               | 0.57               | 0.65               | 0.65               | 0.74               | 0.52               | 0.61               | 0.69               | 0.69               | 0.79               |
|                  |                    | PI                         | 0.67               | 0.67               | 0.67               | 0.67               | 0.67               | 0.71               | 0.71               | 0.71               | 0.71               | 0.71               | 0.75               | 0.75               | 0.75               | 0.75               | 0.75               | 0.80               | 0.80               | 0.80               | 0.80               | 0.80               |
|                  | 41°F<br>(5.0°C)    | TC                         | 15731              | 15752              | 15769              | 15770              | 15791              | 16679              | 16699              | 16715              | 16719              | 16738              | 17676              | 17699              | 17718              | 17722              | 17741              | 18741              | 18761              | 18781              | 18784              | 18808              |
|                  |                    | S/T                        | 0.44               | 0.51               | 0.58               | 0.58               | 0.66               | 0.46               | 0.54               | 0.62               | 0.62               | 0.70               | 0.49               | 0.58               | 0.65               | 0.65               | 0.75               | 0.52               | 0.61               | 0.69               | 0.69               | 0.79               |
|                  |                    | PI                         | 0.70               | 0.70               | 0.70               | 0.70               | 0.70               | 0.74               | 0.74               | 0.74               | 0.74               | 0.74               | 0.79               | 0.79               | 0.79               | 0.79               | 0.79               | 0.83               | 0.83               | 0.84               | 0.84               | 0.84               |
|                  | 47°F<br>(8.3°C)    | TC                         | 15564              | 15585              | 15601              | 15602              | 15623              | 16502              | 16521              | 16538              | 16541              | 16560              | 17488              | 17510              | 17530              | 17533              | 17553              | 18541              | 18561              | 18582              | 18584              | 18608              |
|                  |                    | S/T                        | 0.44               | 0.51               | 0.58               | 0.58               | 0.67               | 0.46               | 0.54               | 0.62               | 0.62               | 0.71               | 0.49               | 0.58               | 0.66               | 0.66               | 0.75               | 0.52               | 0.61               | 0.70               | 0.70               | 0.79               |
|                  |                    | PI                         | 0.73               | 0.73               | 0.73               | 0.73               | 0.73               | 0.77               | 0.78               | 0.78               | 0.78               | 0.78               | 0.82               | 0.82               | 0.82               | 0.82               | 0.82               | 0.87               | 0.87               | 0.87               | 0.87               | 0.87               |
|                  | 50°F<br>(10.0°C)   | TC                         | 15761              | 15782              | 15799              | 15800              | 15821              | 16711              | 16730              | 16747              | 16750              | 16770              | 17709              | 17732              | 17752              | 17755              | 17775              | 18776              | 18796              | 18817              | 18820              | 18843              |
|                  |                    | S/T                        | 0.44               | 0.52               | 0.59               | 0.59               | 0.67               | 0.47               | 0.55               | 0.62               | 0.62               | 0.71               | 0.49               | 0.58               | 0.66               | 0.66               | 0.75               | 0.52               | 0.62               | 0.70               | 0.70               | 0.80               |
|                  |                    | PI                         | 0.75               | 0.75               | 0.75               | 0.75               | 0.75               | 0.79               | 0.79               | 0.80               | 0.80               | 0.80               | 0.84               | 0.84               | 0.84               | 0.84               | 0.84               | 0.89               | 0.89               | 0.89               | 0.89               | 0.90               |
|                  | 59°F<br>(15.0°C)   | TC                         | 16352              | 16374              | 16391              | 16392              | 16414              | 17337              | 17358              | 17375              | 17378              | 17399              | 18373              | 18397              | 18417              | 18421              | 18441              | 19480              | 19501              | 19522              | 19525              | 19550              |
|                  |                    | S/T                        | 0.44               | 0.52               | 0.59               | 0.59               | 0.67               | 0.47               | 0.55               | 0.63               | 0.63               | 0.71               | 0.50               | 0.58               | 0.66               | 0.66               | 0.76               | 0.53               | 0.62               | 0.70               | 0.70               | 0.80               |
|                  |                    | PI                         | 0.80               | 0.81               | 0.81               | 0.81               | 0.81               | 0.85               | 0.85               | 0.85               | 0.85               | 0.86               | 0.90               | 0.90               | 0.91               | 0.91               | 0.91               | 0.96               | 0.96               | 0.96               | 0.96               | 0.96               |
|                  | 68°F<br>(20.0°C)   | TC                         | 16943              | 16966              | 16984              | 16985              | 17008              | 17964              | 17985              | 18003              | 18006              | 18028              | 19037              | 19062              | 19083              | 19087              | 19108              | 20184              | 20206              | 20228              | 20231              | 20256              |
|                  |                    | S/T                        | 0.45               | 0.53               | 0.61               | 0.61               | 0.69               | 0.48               | 0.56               | 0.64               | 0.64               | 0.73               | 0.51               | 0.60               | 0.68               | 0.68               | 0.78               | 0.54               | 0.63               | 0.72               | 0.72               | 0.82               |
|                  |                    | PI                         | 0.86               | 0.86               | 0.86               | 0.86               | 0.86               | 0.91               | 0.91               | 0.91               | 0.91               | 0.91               | 0.97               | 0.97               | 0.97               | 0.97               | 0.97               | 1.02               | 1.03               | 1.03               | 1.03               | 1.03               |
|                  | 77°F<br>(25.0°C)   | TC                         | 17534              | 17557              | 17576              | 17577              | 17601              | 18590              | 18612              | 18631              | 18635              | 18657              | 19701              | 19727              | 19749              | 19752              | 19774              | 20888              | 20911              | 20934              | 20937              | 20963              |
|                  |                    | S/T                        | 0.46               | 0.54               | 0.61               | 0.61               | 0.70               | 0.49               | 0.57               | 0.65               | 0.65               | 0.74               | 0.52               | 0.61               | 0.69               | 0.69               | 0.79               | 0.55               | 0.64               | 0.73               | 0.73               | 0.83               |
|                  |                    | PI                         | 0.91               | 0.92               | 0.92               | 0.92               | 0.92               | 0.97               | 0.97               | 0.97               | 0.97               | 0.97               | 1.03               | 1.03               | 1.03               | 1.03               | 1.03               | 1.09               | 1.09               | 1.09               | 1.09               | 1.09               |
|                  | 82°F<br>(27.8°C)   | TC                         | 17319              | 17342              | 17361              | 17362              | 17385              | 18363              | 18384              | 18403              | 18406              | 18428              | 19460              | 19485              | 19507              | 19510              | 19532              | 20632              | 20655              | 20677              | 20680              | 20706              |
|                  |                    | S/T                        | 0.47               | 0.55               | 0.62               | 0.62               | 0.71               | 0.49               | 0.58               | 0.66               | 0.66               | 0.75               | 0.52               | 0.61               | 0.70               | 0.70               | 0.80               | 0.55               | 0.65               | 0.74               | 0.74               | 0.84               |
|                  |                    | PI                         | 0.99               | 0.99               | 0.99               | 0.99               | 0.99               | 1.05               | 1.05               | 1.05               | 1.05               | 1.05               | 1.11               | 1.11               | 1.11               | 1.11               | 1.12               | 1.18               | 1.18               | 1.18               | 1.18               | 1.18               |
|                  | 86°F<br>(30.0°C)   | TC                         | 16462              | 16484              | 16502              | 16502              | 16525              | 17454              | 17475              | 17492              | 17495              | 17516              | 18497              | 18521              | 18541              | 18545              | 18565              | 19611              | 19632              | 19654              | 19657              | 19681              |
|                  |                    | S/T                        | 0.47               | 0.55               | 0.63               | 0.63               | 0.72               | 0.50               | 0.59               | 0.67               | 0.67               | 0.76               | 0.53               | 0.62               | 0.71               | 0.71               | 0.81               | 0.56               | 0.66               | 0.75               | 0.75               | 0.85               |
|                  |                    | PI                         | 1.10               | 1.10               | 1.11               | 1.11               | 1.11               | 1.17               | 1.17               | 1.17               | 1.17               | 1.17               | 1.24               | 1.                 |                    |                    |                    |                    |                    |                    |                    |                    |

## COOLING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 18 (Sheet 2 of 4)

| AIRFLOW<br>(CFM) | OUTDOOR<br>DB (°F) | ID WB(°F)<br>ID DB(°F) | 60.8°F (16.0°C)    |                    |                    |                    |                    | 64.4°F (18.0°C)    |                    |                    |                    |                    | 67°F (19.4°C)      |                    |                    |                    |                    | 71.6°F (22.0°C)    |                    |                    |                    |                    |
|------------------|--------------------|------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                  |                    |                        | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) |
|                  |                    |                        | TC                 | S/T                | PI                 | TC                 | S/T                | PI                 | TC                 | S/T                | PI                 | TC                 | S/T                | PI                 | TC                 | S/T                | PI                 | TC                 | S/T                | PI                 | TC                 | S/T                |
| 500              | -22°F<br>(-30.0°C) | TC                     | 12308              | 12324              | 12338              | 12338              | 12355              | 13049              | 13065              | 13078              | 13080              | 13096              | 13829              | 13847              | 13862              | 13865              | 13881              | 14662              | 14678              | 14694              | 14696              | 14715              |
|                  |                    | S/T                    | 0.44               | 0.51               | 0.58               | 0.58               | 0.67               | 0.46               | 0.55               | 0.62               | 0.62               | 0.71               | 0.49               | 0.58               | 0.66               | 0.66               | 0.75               | 0.52               | 0.61               | 0.70               | 0.70               | 0.79               |
|                  |                    | PI                     | 0.55               | 0.55               | 0.55               | 0.55               | 0.55               | 0.58               | 0.58               | 0.58               | 0.58               | 0.59               | 0.62               | 0.62               | 0.62               | 0.62               | 0.62               | 0.66               | 0.66               | 0.66               | 0.66               | 0.66               |
|                  | -13°F<br>(-25.0°C) | TC                     | 13333              | 13351              | 13366              | 13366              | 13384              | 14137              | 14154              | 14168              | 14170              | 14187              | 14981              | 15001              | 15018              | 15020              | 15037              | 15884              | 15901              | 15919              | 15921              | 15941              |
|                  |                    | S/T                    | 0.44               | 0.52               | 0.59               | 0.59               | 0.67               | 0.47               | 0.55               | 0.62               | 0.62               | 0.71               | 0.50               | 0.58               | 0.66               | 0.66               | 0.75               | 0.53               | 0.62               | 0.70               | 0.70               | 0.80               |
|                  |                    | PI                     | 0.60               | 0.60               | 0.60               | 0.60               | 0.60               | 0.63               | 0.63               | 0.63               | 0.63               | 0.63               | 0.67               | 0.67               | 0.67               | 0.67               | 0.67               | 0.71               | 0.71               | 0.71               | 0.71               | 0.71               |
|                  | -4°F<br>(-20.0°C)  | TC                     | 14359              | 14378              | 14394              | 14394              | 14414              | 15224              | 15242              | 15257              | 15260              | 15279              | 16134              | 16155              | 16173              | 16176              | 16194              | 17106              | 17125              | 17143              | 17146              | 17167              |
|                  |                    | S/T                    | 0.44               | 0.52               | 0.59               | 0.59               | 0.67               | 0.47               | 0.55               | 0.63               | 0.63               | 0.72               | 0.50               | 0.59               | 0.66               | 0.67               | 0.76               | 0.53               | 0.62               | 0.70               | 0.70               | 0.80               |
|                  |                    | PI                     | 0.64               | 0.64               | 0.64               | 0.64               | 0.64               | 0.68               | 0.68               | 0.68               | 0.68               | 0.68               | 0.72               | 0.72               | 0.72               | 0.72               | 0.72               | 0.76               | 0.77               | 0.77               | 0.77               | 0.77               |
|                  | 0°F<br>(-17.8°C)   | TC                     | 14815              | 14835              | 14851              | 14851              | 14871              | 15708              | 15726              | 15742              | 15745              | 15764              | 16646              | 16668              | 16686              | 16689              | 16708              | 17649              | 17668              | 17687              | 17690              | 17712              |
|                  |                    | S/T                    | 0.45               | 0.52               | 0.59               | 0.59               | 0.68               | 0.47               | 0.55               | 0.63               | 0.63               | 0.72               | 0.50               | 0.59               | 0.67               | 0.67               | 0.76               | 0.53               | 0.62               | 0.71               | 0.71               | 0.81               |
|                  |                    | PI                     | 0.66               | 0.66               | 0.66               | 0.66               | 0.66               | 0.70               | 0.70               | 0.70               | 0.70               | 0.70               | 0.74               | 0.74               | 0.75               | 0.75               | 0.75               | 0.79               | 0.79               | 0.79               | 0.79               | 0.79               |
|                  | 5°F<br>(-15.0°C)   | TC                     | 15385              | 15405              | 15422              | 15423              | 15443              | 16312              | 16331              | 16347              | 16350              | 16370              | 17286              | 17309              | 17328              | 17331              | 17351              | 18328              | 18348              | 18368              | 18371              | 18393              |
|                  |                    | S/T                    | 0.45               | 0.52               | 0.60               | 0.60               | 0.68               | 0.47               | 0.56               | 0.63               | 0.63               | 0.72               | 0.50               | 0.59               | 0.67               | 0.67               | 0.76               | 0.53               | 0.63               | 0.71               | 0.71               | 0.81               |
|                  |                    | PI                     | 0.69               | 0.69               | 0.69               | 0.69               | 0.69               | 0.73               | 0.73               | 0.73               | 0.73               | 0.73               | 0.77               | 0.77               | 0.77               | 0.77               | 0.78               | 0.82               | 0.82               | 0.82               | 0.82               | 0.82               |
|                  | 14°F<br>(-10.0°C)  | TC                     | 16416              | 16438              | 16456              | 16457              | 16479              | 17405              | 17426              | 17443              | 17447              | 17467              | 18445              | 18469              | 18490              | 18493              | 18514              | 19557              | 19578              | 19599              | 19602              | 19627              |
|                  |                    | S/T                    | 0.45               | 0.53               | 0.60               | 0.60               | 0.68               | 0.48               | 0.56               | 0.63               | 0.63               | 0.72               | 0.50               | 0.59               | 0.67               | 0.67               | 0.77               | 0.53               | 0.63               | 0.71               | 0.71               | 0.81               |
|                  |                    | PI                     | 0.64               | 0.64               | 0.64               | 0.64               | 0.64               | 0.68               | 0.68               | 0.68               | 0.68               | 0.68               | 0.72               | 0.72               | 0.72               | 0.72               | 0.72               | 0.76               | 0.76               | 0.76               | 0.76               | 0.76               |
|                  | 17°F<br>(-8.3°C)   | TC                     | 16760              | 16782              | 16801              | 16801              | 16824              | 17770              | 17791              | 17809              | 17812              | 17833              | 18832              | 18856              | 18877              | 18881              | 18902              | 19966              | 19988              | 20010              | 20013              | 20038              |
|                  |                    | S/T                    | 0.45               | 0.53               | 0.60               | 0.60               | 0.68               | 0.48               | 0.56               | 0.64               | 0.64               | 0.72               | 0.51               | 0.59               | 0.67               | 0.67               | 0.77               | 0.54               | 0.63               | 0.71               | 0.71               | 0.81               |
|                  |                    | PI                     | 0.62               | 0.62               | 0.62               | 0.62               | 0.63               | 0.66               | 0.66               | 0.66               | 0.66               | 0.66               | 0.70               | 0.70               | 0.70               | 0.70               | 0.70               | 0.74               | 0.74               | 0.74               | 0.74               | 0.74               |
|                  | 23°F<br>(-5.0°C)   | TC                     | 16696              | 16718              | 16736              | 16737              | 16760              | 17702              | 17723              | 17740              | 17744              | 17765              | 18759              | 18784              | 18805              | 18808              | 18829              | 19890              | 19911              | 19933              | 19936              | 19961              |
|                  |                    | S/T                    | 0.45               | 0.53               | 0.60               | 0.60               | 0.69               | 0.48               | 0.56               | 0.64               | 0.64               | 0.73               | 0.51               | 0.60               | 0.68               | 0.68               | 0.77               | 0.54               | 0.63               | 0.72               | 0.72               | 0.82               |
|                  |                    | PI                     | 0.65               | 0.65               | 0.65               | 0.65               | 0.65               | 0.69               | 0.69               | 0.69               | 0.69               | 0.69               | 0.73               | 0.73               | 0.73               | 0.73               | 0.73               | 0.77               | 0.77               | 0.77               | 0.77               | 0.77               |
|                  | 35°F<br>(1.7°C)    | TC                     | 16567              | 16590              | 16608              | 16608              | 16631              | 17566              | 17587              | 17604              | 17608              | 17628              | 18615              | 18639              | 18660              | 18664              | 18685              | 19737              | 19758              | 19780              | 19783              | 19808              |
|                  |                    | S/T                    | 0.45               | 0.53               | 0.61               | 0.61               | 0.69               | 0.48               | 0.56               | 0.64               | 0.64               | 0.73               | 0.51               | 0.60               | 0.68               | 0.68               | 0.78               | 0.54               | 0.63               | 0.72               | 0.72               | 0.82               |
|                  |                    | PI                     | 0.70               | 0.70               | 0.70               | 0.70               | 0.70               | 0.74               | 0.74               | 0.74               | 0.74               | 0.74               | 0.78               | 0.78               | 0.78               | 0.78               | 0.79               | 0.83               | 0.83               | 0.83               | 0.83               | 0.83               |
|                  | 41°F<br>(5.0°C)    | TC                     | 16393              | 16415              | 16433              | 16434              | 16456              | 17381              | 17402              | 17419              | 17422              | 17443              | 18419              | 18443              | 18464              | 18467              | 18488              | 19529              | 19550              | 19572              | 19575              | 19599              |
|                  |                    | S/T                    | 0.46               | 0.53               | 0.61               | 0.61               | 0.69               | 0.48               | 0.57               | 0.64               | 0.64               | 0.73               | 0.51               | 0.60               | 0.68               | 0.68               | 0.78               | 0.54               | 0.64               | 0.72               | 0.72               | 0.82               |
|                  |                    | PI                     | 0.73               | 0.73               | 0.73               | 0.73               | 0.73               | 0.77               | 0.77               | 0.77               | 0.77               | 0.77               | 0.78               | 0.82               | 0.82               | 0.82               | 0.82               | 0.87               | 0.87               | 0.87               | 0.87               | 0.87               |
|                  | 47°F<br>(8.3°C)    | TC                     | 16219              | 16241              | 16258              | 16259              | 16281              | 17196              | 17217              | 17234              | 17237              | 17257              | 18224              | 18247              | 18268              | 18271              | 18291              | 19322              | 19343              | 19364              | 19367              | 19391              |
|                  |                    | S/T                    | 0.46               | 0.54               | 0.61               | 0.61               | 0.69               | 0.48               | 0.57               | 0.65               | 0.65               | 0.74               | 0.51               | 0.60               | 0.68               | 0.68               | 0.78               | 0.54               | 0.64               | 0.72               | 0.72               | 0.83               |
|                  |                    | PI                     | 0.76               | 0.76               | 0.76               | 0.76               | 0.76               | 0.81               | 0.81               | 0.81               | 0.81               | 0.81               | 0.86               | 0.86               | 0.86               | 0.86               | 0.86               | 0.91               | 0.91               | 0.91               | 0.91               | 0.91               |
|                  | 50°F<br>(10.0°C)   | TC                     | 16424              | 16446              | 16464              | 16465              | 16487              | 17414              | 17434              | 17452              | 17455              | 17476              | 18454              | 18478              | 18499              | 18502              | 18523              | 19566              | 19587              | 19609              | 19612              | 19636              |
|                  |                    | S/T                    | 0.46               | 0.54               | 0.61               | 0.61               | 0.70               | 0.49               | 0.57               | 0.65               | 0.65               | 0.74               | 0.52               | 0.60               | 0.69               | 0.69               | 0.78               | 0.55               | 0.64               | 0.73               | 0.73               | 0.83               |
|                  |                    | PI                     | 0.78               | 0.78               | 0.78               | 0.78               | 0.78               | 0.83               | 0.83               | 0.83               | 0.83               | 0.83               | 0.88               | 0.88               | 0.88               | 0.88               | 0.88               | 0.93               | 0.93               | 0.93               | 0.93               | 0.93               |
|                  | 59°F<br>(15.0°C)   | TC                     | 17040              | 17063              | 17081              | 17082              | 17105              | 18067              | 18088              | 18106              | 18110              | 18131              | 19146              | 19171              | 19192              | 19196              | 19217              | 20300              | 20322              | 20344              | 20347              | 20372              |
|                  |                    | S/T                    | 0.46               | 0.54               | 0.61               | 0.61               | 0.70               | 0.49               | 0.57               | 0.65               | 0.65               | 0.74               | 0.52               | 0.61               | 0.69               | 0.69               | 0.79               | 0.55               | 0.64               | 0.73               | 0.73               | 0.83               |
|                  |                    | PI                     | 0.84               | 0.84               | 0.84               | 0.84               | 0.84               | 0.89               | 0.89               | 0.89               | 0.89               | 0.89               | 0.94               | 0.94               | 0.94               | 0.94               | 0.95               | 1.00               | 1.00               | 1.00               | 1.00               | 1.00               |
|                  | 68°F<br>(20.0°C)   | TC                     | 17656              | 17680              | 17699              | 17699              | 17723              | 18720              | 18742              | 18760              | 18764              | 18786              | 19838              | 19864              | 19886              | 19890              | 19912              | 21034              | 21056              | 21079              | 21083              | 21109              |
|                  |                    | S/T                    | 0.47               | 0.56               | 0.63               | 0.63               | 0.72               | 0.50               | 0.59               | 0.67               | 0.67               | 0.76               | 0.53               | 0.62               | 0.71               | 0.71               | 0.81               | 0.56               | 0.66               | 0.75               | 0.75               | 0.86               |
|                  |                    | PI                     | 0.90               | 0.90               | 0.90               | 0.90               | 0.90               | 0.95               | 0.95               | 0.95               | 0.95               | 0.95               | 1.01               | 1.01               | 1.01               | 1.01               | 1.01               | 1.07               | 1.07               | 1.07               | 1.07               | 1.07               |
|                  | 77°F<br>(25.0°C)   | TC                     | 18272              | 18296              | 18316              | 18317              | 18341              | 19373              | 19396              | 19415              | 19419              | 19442              | 20530              | 20557              | 20580              | 20584              | 20607              | 21767              | 21791              | 21815              | 21818              | 21845              |
|                  |                    | S/T                    | 0.48               | 0.56               | 0.64               | 0.64               | 0.73               | 0.51               | 0.60               | 0.68               | 0.68               | 0.77               | 0.54               | 0.63               | 0.72               | 0.72               | 0.82               | 0.57               | 0.67               | 0.76               | 0.76               | 0.87               |
|                  |                    | PI                     | 0.95               | 0.95               | 0.96               | 0.96               | 0.96               | 1.01               | 1.01               | 1.01               | 1.01               | 1.01               | 1.07               | 1.07               | 1.07               | 1.07               | 1.08               | 1.14               | 1.14               | 1.14               | 1.14               | 1.14               |
|                  | 82°F<br>(27.8°C)   | TC                     | 18048              | 18072              | 18092              | 18092              | 18117              | 19136              | 19158              | 19177              | 19181              | 19204              | 20279              | 20305              | 20328              | 20331              | 20354              | 21501              | 21524              | 21547              | 21551              | 21578              |
|                  |                    | S/T                    | 0.49               | 0.57               | 0.65               | 0.65               | 0.74               | 0.51               | 0.60               | 0.69               | 0.69               | 0.78               | 0.55               | 0.64               | 0.73               | 0.73               | 0.83               | 0.58               | 0.68               | 0.77               | 0.77               | 0.88               |
|                  |                    | PI                     | 1.03               | 1.03               | 1.03               | 1.03               | 1.03               | 1.09               | 1.09               | 1.10               | 1.10               | 1.10               | 1.16               | 1.16               | 1.16               | 1.16               | 1.16               | 1.23               | 1.23               | 1.23               | 1.23               | 1.23               |
|                  | 86°F<br>(30.0°C)   | TC                     | 17155              | 17178              | 17196              | 17197              | 17220              | 18188              | 18210              | 18228              | 18232              | 18253              | 19275              | 19300              | 19322              | 19325              | 19347              | 20436              | 20459              | 20481              | 20484              | 20510              |
|                  |                    | S/T                    | 0.49               | 0.58               | 0.66               | 0.66               | 0.75               | 0.52               | 0.61               | 0.69               | 0.70               | 0.79               | 0.55               | 0.65               | 0.74               | 0.74               | 0.84               | 0.59               | 0.69               | 0.78               | 0.78               | 0.89               |
|                  |                    | PI                     | 1.15               | 1.15               | 1.15               | 1.15               | 1.15               |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |

## COOLING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 18 (Sheet 3 of 4)

| AIRFLOW<br>(CFM) | OUTDOOR<br>DB (°F) | ID WB(°F)<br>ID DB(°F) | 60.8°F (16.0°C)    |                    |                    |                    |                    | 64.4°F (18.0°C)    |                    |                    |                    |                    | 67°F (19.4°C)      |                    |                    |                    |                    | 71.6°F (22.0°C)    |                    |                    |                    |                    |
|------------------|--------------------|------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                  |                    |                        | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) |
|                  |                    |                        | TC                 | S/T                | PI                 | TC                 | S/T                | PI                 | TC                 | S/T                | PI                 | TC                 | S/T                | PI                 | TC                 | S/T                | PI                 | TC                 | S/T                | PI                 | TC                 | S/T                |
| 559              | -22°F<br>(-30.0°C) | TC                     | 12826              | 12843              | 12857              | 12857              | 12875              | 13599              | 13615              | 13628              | 13631              | 13647              | 14411              | 14430              | 14446              | 14449              | 14465              | 15279              | 15296              | 15313              | 15315              | 15334              |
|                  |                    | S/T                    | 0.46               | 0.54               | 0.61               | 0.61               | 0.69               | 0.48               | 0.57               | 0.65               | 0.65               | 0.74               | 0.51               | 0.60               | 0.68               | 0.68               | 0.78               | 0.54               | 0.64               | 0.73               | 0.73               | 0.83               |
|                  |                    | PI                     | 0.57               | 0.57               | 0.57               | 0.57               | 0.58               | 0.61               | 0.61               | 0.61               | 0.61               | 0.61               | 0.64               | 0.64               | 0.65               | 0.65               | 0.65               | 0.68               | 0.68               | 0.68               | 0.68               | 0.69               |
|                  | -13°F<br>(-25.0°C) | TC                     | 13894              | 13913              | 13928              | 13929              | 13948              | 14732              | 14749              | 14764              | 14767              | 14784              | 15612              | 15632              | 15650              | 15653              | 15670              | 16553              | 16571              | 16589              | 16591              | 16612              |
|                  |                    | S/T                    | 0.46               | 0.54               | 0.61               | 0.61               | 0.70               | 0.49               | 0.57               | 0.65               | 0.65               | 0.74               | 0.52               | 0.61               | 0.69               | 0.69               | 0.79               | 0.55               | 0.64               | 0.73               | 0.73               | 0.83               |
|                  |                    | PI                     | 0.62               | 0.62               | 0.62               | 0.62               | 0.62               | 0.66               | 0.66               | 0.66               | 0.66               | 0.66               | 0.70               | 0.70               | 0.70               | 0.70               | 0.70               | 0.74               | 0.74               | 0.74               | 0.74               | 0.74               |
|                  | -4°F<br>(-20.0°C)  | TC                     | 14963              | 14983              | 15000              | 15000              | 15020              | 15865              | 15884              | 15899              | 15903              | 15922              | 16813              | 16835              | 16853              | 16857              | 16875              | 17826              | 17845              | 17865              | 17867              | 17890              |
|                  |                    | S/T                    | 0.46               | 0.54               | 0.62               | 0.62               | 0.70               | 0.49               | 0.58               | 0.65               | 0.65               | 0.75               | 0.52               | 0.61               | 0.69               | 0.69               | 0.79               | 0.55               | 0.65               | 0.73               | 0.73               | 0.84               |
|                  |                    | PI                     | 0.67               | 0.67               | 0.67               | 0.67               | 0.67               | 0.71               | 0.71               | 0.71               | 0.71               | 0.71               | 0.75               | 0.75               | 0.75               | 0.75               | 0.75               | 0.80               | 0.80               | 0.80               | 0.80               | 0.80               |
|                  | 0°F<br>(-17.8°C)   | TC                     | 15438              | 15459              | 15476              | 15476              | 15497              | 16369              | 16388              | 16404              | 16407              | 16427              | 17347              | 17369              | 17388              | 17392              | 17411              | 18392              | 18412              | 18432              | 18435              | 18458              |
|                  |                    | S/T                    | 0.46               | 0.54               | 0.62               | 0.62               | 0.71               | 0.49               | 0.58               | 0.66               | 0.66               | 0.75               | 0.52               | 0.61               | 0.69               | 0.69               | 0.79               | 0.55               | 0.65               | 0.74               | 0.74               | 0.84               |
|                  |                    | PI                     | 0.69               | 0.69               | 0.69               | 0.69               | 0.69               | 0.73               | 0.73               | 0.73               | 0.73               | 0.73               | 0.78               | 0.78               | 0.78               | 0.78               | 0.78               | 0.82               | 0.82               | 0.82               | 0.82               | 0.82               |
|                  | 5°F<br>(-15.0°C)   | TC                     | 16032              | 16054              | 16071              | 16072              | 16093              | 16998              | 17018              | 17035              | 17039              | 17059              | 18014              | 18037              | 18057              | 18061              | 18081              | 19099              | 19120              | 19141              | 19144              | 19168              |
|                  |                    | S/T                    | 0.47               | 0.55               | 0.62               | 0.62               | 0.71               | 0.49               | 0.58               | 0.66               | 0.66               | 0.75               | 0.52               | 0.61               | 0.70               | 0.70               | 0.80               | 0.56               | 0.65               | 0.74               | 0.74               | 0.84               |
|                  |                    | PI                     | 0.72               | 0.72               | 0.72               | 0.72               | 0.72               | 0.76               | 0.76               | 0.76               | 0.76               | 0.76               | 0.81               | 0.81               | 0.81               | 0.81               | 0.81               | 0.85               | 0.85               | 0.86               | 0.86               | 0.86               |
|                  | 14°F<br>(-10.0°C)  | TC                     | 17107              | 17130              | 17148              | 17149              | 17172              | 18138              | 18159              | 18177              | 18181              | 18202              | 19221              | 19246              | 19268              | 19271              | 19293              | 20380              | 20402              | 20424              | 20427              | 20453              |
|                  |                    | S/T                    | 0.47               | 0.55               | 0.62               | 0.62               | 0.71               | 0.50               | 0.58               | 0.66               | 0.66               | 0.75               | 0.52               | 0.62               | 0.70               | 0.70               | 0.80               | 0.56               | 0.65               | 0.74               | 0.74               | 0.85               |
|                  |                    | PI                     | 0.67               | 0.67               | 0.67               | 0.67               | 0.67               | 0.71               | 0.71               | 0.71               | 0.71               | 0.71               | 0.75               | 0.75               | 0.75               | 0.75               | 0.75               | 0.79               | 0.79               | 0.80               | 0.80               | 0.80               |
|                  | 17°F<br>(-8.3°C)   | TC                     | 17465              | 17489              | 17508              | 17508              | 17532              | 18518              | 18540              | 18558              | 18562              | 18584              | 19624              | 19650              | 19671              | 19675              | 19697              | 20806              | 20829              | 20852              | 20855              | 20881              |
|                  |                    | S/T                    | 0.47               | 0.55               | 0.62               | 0.62               | 0.71               | 0.50               | 0.58               | 0.66               | 0.66               | 0.75               | 0.53               | 0.62               | 0.70               | 0.70               | 0.80               | 0.56               | 0.65               | 0.74               | 0.74               | 0.85               |
|                  |                    | PI                     | 0.65               | 0.65               | 0.65               | 0.65               | 0.65               | 0.69               | 0.69               | 0.69               | 0.69               | 0.69               | 0.73               | 0.73               | 0.73               | 0.73               | 0.73               | 0.77               | 0.77               | 0.78               | 0.78               | 0.78               |
|                  | 23°F<br>(-5.0°C)   | TC                     | 17398              | 17422              | 17441              | 17441              | 17465              | 18447              | 18469              | 18487              | 18491              | 18513              | 19549              | 19574              | 19596              | 19600              | 19622              | 20727              | 20749              | 20772              | 20775              | 20801              |
|                  |                    | S/T                    | 0.47               | 0.55               | 0.63               | 0.63               | 0.72               | 0.50               | 0.59               | 0.67               | 0.67               | 0.76               | 0.53               | 0.62               | 0.71               | 0.71               | 0.80               | 0.56               | 0.66               | 0.75               | 0.75               | 0.85               |
|                  |                    | PI                     | 0.67               | 0.68               | 0.68               | 0.68               | 0.68               | 0.72               | 0.72               | 0.72               | 0.72               | 0.72               | 0.76               | 0.76               | 0.76               | 0.76               | 0.76               | 0.80               | 0.80               | 0.81               | 0.81               | 0.81               |
|                  | 35°F<br>(1.7°C)    | TC                     | 17265              | 17288              | 17306              | 17307              | 17331              | 18305              | 18327              | 18345              | 18348              | 18370              | 19399              | 19424              | 19446              | 19449              | 19471              | 20568              | 20590              | 20612              | 20615              | 20641              |
|                  |                    | S/T                    | 0.47               | 0.56               | 0.63               | 0.63               | 0.72               | 0.50               | 0.59               | 0.67               | 0.67               | 0.76               | 0.53               | 0.62               | 0.71               | 0.71               | 0.81               | 0.56               | 0.66               | 0.75               | 0.75               | 0.86               |
|                  |                    | PI                     | 0.73               | 0.73               | 0.73               | 0.73               | 0.73               | 0.77               | 0.77               | 0.77               | 0.77               | 0.77               | 0.82               | 0.82               | 0.82               | 0.82               | 0.82               | 0.86               | 0.87               | 0.87               | 0.87               | 0.87               |
|                  | 41°F<br>(5.0°C)    | TC                     | 17083              | 17106              | 17124              | 17125              | 17148              | 18112              | 18134              | 18152              | 18155              | 18177              | 19195              | 19219              | 19241              | 19244              | 19266              | 20351              | 20373              | 20395              | 20399              | 20424              |
|                  |                    | S/T                    | 0.47               | 0.56               | 0.63               | 0.63               | 0.72               | 0.50               | 0.59               | 0.67               | 0.67               | 0.76               | 0.53               | 0.63               | 0.71               | 0.71               | 0.81               | 0.56               | 0.66               | 0.75               | 0.75               | 0.86               |
|                  |                    | PI                     | 0.76               | 0.76               | 0.76               | 0.76               | 0.76               | 0.81               | 0.81               | 0.81               | 0.81               | 0.81               | 0.85               | 0.85               | 0.86               | 0.86               | 0.86               | 0.90               | 0.91               | 0.91               | 0.91               | 0.91               |
|                  | 47°F<br>(8.3°C)    | TC                     | 16901              | 16924              | 16942              | 16943              | 16966              | 17920              | 17941              | 17959              | 17962              | 17984              | 18990              | 19015              | 19036              | 19040              | 19061              | 20135              | 20157              | 20178              | 20182              | 20207              |
|                  |                    | S/T                    | 0.48               | 0.56               | 0.63               | 0.63               | 0.72               | 0.50               | 0.59               | 0.67               | 0.67               | 0.77               | 0.53               | 0.63               | 0.71               | 0.71               | 0.81               | 0.57               | 0.66               | 0.76               | 0.76               | 0.86               |
|                  |                    | PI                     | 0.79               | 0.79               | 0.80               | 0.80               | 0.80               | 0.84               | 0.84               | 0.84               | 0.84               | 0.84               | 0.89               | 0.89               | 0.89               | 0.89               | 0.89               | 0.94               | 0.95               | 0.95               | 0.95               | 0.95               |
|                  | 50°F<br>(10.0°C)   | TC                     | 17115              | 17138              | 17157              | 17157              | 17181              | 18147              | 18168              | 18186              | 18190              | 18211              | 19231              | 19256              | 19277              | 19281              | 19302              | 20389              | 20412              | 20434              | 20437              | 20462              |
|                  |                    | S/T                    | 0.48               | 0.56               | 0.64               | 0.64               | 0.73               | 0.51               | 0.59               | 0.68               | 0.68               | 0.77               | 0.54               | 0.63               | 0.72               | 0.72               | 0.82               | 0.57               | 0.67               | 0.76               | 0.76               | 0.87               |
|                  |                    | PI                     | 0.81               | 0.81               | 0.82               | 0.82               | 0.82               | 0.86               | 0.86               | 0.86               | 0.86               | 0.87               | 0.91               | 0.91               | 0.92               | 0.92               | 0.92               | 0.97               | 0.97               | 0.97               | 0.97               | 0.97               |
|                  | 59°F<br>(15.0°C)   | TC                     | 17757              | 17781              | 17800              | 17801              | 17825              | 18827              | 18849              | 18868              | 18872              | 18894              | 19952              | 19978              | 20000              | 20004              | 20026              | 21154              | 21177              | 21200              | 21203              | 21230              |
|                  |                    | S/T                    | 0.48               | 0.56               | 0.64               | 0.64               | 0.73               | 0.51               | 0.60               | 0.68               | 0.68               | 0.77               | 0.54               | 0.63               | 0.72               | 0.72               | 0.82               | 0.57               | 0.67               | 0.76               | 0.76               | 0.87               |
|                  |                    | PI                     | 0.87               | 0.87               | 0.88               | 0.88               | 0.88               | 0.93               | 0.93               | 0.93               | 0.93               | 0.93               | 0.98               | 0.98               | 0.98               | 0.98               | 0.98               | 1.04               | 1.04               | 1.04               | 1.04               | 1.04               |
|                  | 68°F<br>(20.0°C)   | TC                     | 18399              | 18424              | 18443              | 18444              | 18469              | 19508              | 19531              | 19550              | 19554              | 19577              | 20673              | 20700              | 20723              | 20727              | 20750              | 21919              | 21942              | 21966              | 21970              | 21997              |
|                  |                    | S/T                    | 0.49               | 0.58               | 0.66               | 0.66               | 0.75               | 0.52               | 0.61               | 0.70               | 0.70               | 0.79               | 0.55               | 0.65               | 0.74               | 0.74               | 0.84               | 0.59               | 0.69               | 0.78               | 0.78               | 0.89               |
|                  |                    | PI                     | 0.93               | 0.93               | 0.94               | 0.94               | 0.94               | 0.99               | 0.99               | 0.99               | 0.99               | 0.99               | 1.05               | 1.05               | 1.05               | 1.05               | 1.05               | 1.11               | 1.11               | 1.11               | 1.11               | 1.12               |
|                  | 77°F<br>(25.0°C)   | TC                     | 19041              | 19066              | 19087              | 19088              | 19113              | 20188              | 20212              | 20232              | 20236              | 20260              | 21394              | 21422              | 21446              | 21450              | 21474              | 22683              | 22708              | 22733              | 22736              | 22764              |
|                  |                    | S/T                    | 0.50               | 0.59               | 0.67               | 0.67               | 0.76               | 0.53               | 0.62               | 0.71               | 0.71               | 0.80               | 0.56               | 0.66               | 0.75               | 0.75               | 0.85               | 0.60               | 0.70               | 0.79               | 0.79               | 0.90               |
|                  |                    | PI                     | 0.99               | 0.99               | 1.00               | 1.00               | 1.00               | 1.05               | 1.05               | 1.06               | 1.06               | 1.06               | 1.12               | 1.12               | 1.12               | 1.12               | 1.12               | 1.18               | 1.18               | 1.19               | 1.19               | 1.19               |
|                  | 82°F<br>(27.8°C)   | TC                     | 18807              | 18833              | 18853              | 18854              | 18879              | 19941              | 19964              | 19984              | 19988              | 20012              | 21132              | 21160              | 21183              | 21187              | 21211              | 22405              | 22430              | 22454              | 22458              | 22486              |
|                  |                    | S/T                    | 0.51               | 0.59               | 0.67               | 0.67               | 0.77               | 0.54               | 0.63               | 0.72               | 0.72               | 0.82               | 0.57               | 0.67               | 0.76               | 0.76               | 0.86               | 0.60               | 0.71               | 0.80               | 0.80               | 0.92               |
|                  |                    | PI                     | 1.07               | 1.08               | 1.08               | 1.08               | 1.08               | 1.14               | 1.14               | 1.14               | 1.14               | 1.14               | 1.21               | 1.21               | 1.21               | 1.21               | 1.21               | 1.28               | 1.28               | 1.28               | 1.28               | 1.28               |
|                  | 86°F<br>(30.0°C)   | TC                     | 17876              | 17901              | 17920              | 17921              | 17945              | 18954              | 18976              | 18995              | 18999              | 19021              | 20086              | 20112              | 20135              | 20138              | 20161              | 21296              | 21320              | 21343              | 21346              | 21373              |
|                  |                    | S/T                    | 0.51               | 0.60               | 0.68               | 0.68               | 0.78               | 0.54               | 0.64               | 0.72               | 0.72               | 0.83               | 0.58               | 0.68               | 0.77               | 0.77               | 0.88               | 0.61               | 0.72               | 0.81               | 0.81               | 0.93               |
|                  |                    | PI                     | 1.20               | 1.20               | 1.20               | 1.20               | 1.20               |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |

## COOLING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 18 (Sheet 4 of 4)

| AIRFLOW<br>(CFM) | OUTDOOR<br>DB (°F) | ID WB(°F)<br><br>ID DB(°F) | 60.8°F (16.0°C)    |                    |                    |                    |                    | 64.4°F (18.0°C)    |                    |                    |                    |                    | 67°F (19.4°C)      |                    |                    |                    |                    | 71.6°F (22.0°C)    |                    |                    |                    |                    |
|------------------|--------------------|----------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                  |                    |                            | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) |
|                  |                    |                            |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |
| 600              | -22°F<br>(-30.0°C) | TC                         | 13365              | 13383              | 13398              | 13398              | 13416              | 14171              | 14188              | 14202              | 14204              | 14221              | 15017              | 15037              | 15054              | 15057              | 15073              | 15922              | 15940              | 15957              | 15959              | 15979              |
|                  |                    | S/T                        | 0.48               | 0.56               | 0.63               | 0.63               | 0.72               | 0.50               | 0.59               | 0.67               | 0.67               | 0.77               | 0.53               | 0.63               | 0.71               | 0.71               | 0.81               | 0.57               | 0.67               | 0.76               | 0.76               | 0.86               |
|                  |                    | PI                         | 0.60               | 0.60               | 0.60               | 0.60               | 0.60               | 0.63               | 0.63               | 0.63               | 0.63               | 0.64               | 0.67               | 0.67               | 0.67               | 0.67               | 0.67               | 0.71               | 0.71               | 0.71               | 0.71               | 0.71               |
|                  | -13°F<br>(-25.0°C) | TC                         | 14479              | 14499              | 14514              | 14515              | 14534              | 15352              | 15370              | 15385              | 15388              | 15406              | 16269              | 16290              | 16308              | 16311              | 16329              | 17249              | 17268              | 17287              | 17289              | 17311              |
|                  |                    | S/T                        | 0.48               | 0.56               | 0.64               | 0.64               | 0.73               | 0.51               | 0.60               | 0.68               | 0.68               | 0.77               | 0.54               | 0.63               | 0.72               | 0.72               | 0.82               | 0.57               | 0.67               | 0.76               | 0.76               | 0.87               |
|                  |                    | PI                         | 0.65               | 0.65               | 0.65               | 0.65               | 0.65               | 0.69               | 0.69               | 0.69               | 0.69               | 0.69               | 0.73               | 0.73               | 0.73               | 0.73               | 0.73               | 0.77               | 0.77               | 0.77               | 0.77               | 0.77               |
|                  | -4°F<br>(-20.0°C)  | TC                         | 15593              | 15614              | 15631              | 15631              | 15653              | 16533              | 16552              | 16569              | 16572              | 16592              | 17520              | 17543              | 17563              | 17566              | 17586              | 18576              | 18596              | 18616              | 18619              | 18643              |
|                  |                    | S/T                        | 0.48               | 0.57               | 0.64               | 0.64               | 0.73               | 0.51               | 0.60               | 0.68               | 0.68               | 0.78               | 0.54               | 0.64               | 0.72               | 0.72               | 0.82               | 0.57               | 0.67               | 0.77               | 0.77               | 0.87               |
|                  |                    | PI                         | 0.70               | 0.70               | 0.70               | 0.70               | 0.70               | 0.74               | 0.74               | 0.74               | 0.74               | 0.74               | 0.78               | 0.78               | 0.78               | 0.79               | 0.79               | 0.83               | 0.83               | 0.83               | 0.83               | 0.83               |
|                  | 0°F<br>(-17.8°C)   | TC                         | 16088              | 16110              | 16127              | 16128              | 16149              | 17058              | 17078              | 17095              | 17098              | 17118              | 18077              | 18100              | 18120              | 18124              | 18144              | 19166              | 19187              | 19207              | 19210              | 19234              |
|                  |                    | S/T                        | 0.48               | 0.57               | 0.64               | 0.64               | 0.73               | 0.51               | 0.60               | 0.68               | 0.68               | 0.78               | 0.54               | 0.64               | 0.72               | 0.72               | 0.83               | 0.58               | 0.68               | 0.77               | 0.77               | 0.88               |
|                  |                    | PI                         | 0.72               | 0.72               | 0.72               | 0.72               | 0.72               | 0.76               | 0.76               | 0.76               | 0.76               | 0.76               | 0.77               | 0.81               | 0.81               | 0.81               | 0.81               | 0.86               | 0.86               | 0.86               | 0.86               | 0.86               |
|                  | 5°F<br>(-15.0°C)   | TC                         | 16707              | 16729              | 16747              | 16748              | 16771              | 17714              | 17735              | 17752              | 17756              | 17777              | 18772              | 18796              | 18817              | 18821              | 18842              | 19903              | 19925              | 19946              | 19949              | 19974              |
|                  |                    | S/T                        | 0.49               | 0.57               | 0.65               | 0.65               | 0.74               | 0.51               | 0.60               | 0.69               | 0.69               | 0.78               | 0.55               | 0.64               | 0.73               | 0.73               | 0.83               | 0.58               | 0.68               | 0.77               | 0.77               | 0.88               |
|                  |                    | PI                         | 0.75               | 0.75               | 0.75               | 0.75               | 0.75               | 0.79               | 0.79               | 0.79               | 0.79               | 0.79               | 0.84               | 0.84               | 0.84               | 0.84               | 0.84               | 0.89               | 0.89               | 0.89               | 0.89               | 0.89               |
|                  | 14°F<br>(-10.0°C)  | TC                         | 17827              | 17851              | 17870              | 17871              | 17895              | 18901              | 18924              | 18942              | 18946              | 18968              | 20030              | 20056              | 20079              | 20082              | 20105              | 21237              | 21260              | 21283              | 21287              | 21313              |
|                  |                    | S/T                        | 0.49               | 0.57               | 0.65               | 0.65               | 0.74               | 0.52               | 0.61               | 0.69               | 0.69               | 0.78               | 0.55               | 0.64               | 0.73               | 0.73               | 0.83               | 0.58               | 0.68               | 0.77               | 0.77               | 0.88               |
|                  |                    | PI                         | 0.69               | 0.70               | 0.70               | 0.70               | 0.70               | 0.74               | 0.74               | 0.74               | 0.74               | 0.74               | 0.78               | 0.78               | 0.78               | 0.78               | 0.78               | 0.83               | 0.83               | 0.83               | 0.83               | 0.83               |
|                  | 17°F<br>(-8.3°C)   | TC                         | 18200              | 18225              | 18244              | 18245              | 18270              | 19297              | 19320              | 19339              | 19343              | 19366              | 20450              | 20476              | 20499              | 20503              | 20526              | 21682              | 21706              | 21729              | 21733              | 21760              |
|                  |                    | S/T                        | 0.49               | 0.57               | 0.65               | 0.65               | 0.74               | 0.52               | 0.61               | 0.69               | 0.69               | 0.79               | 0.55               | 0.64               | 0.73               | 0.73               | 0.83               | 0.58               | 0.68               | 0.78               | 0.78               | 0.88               |
|                  |                    | PI                         | 0.68               | 0.68               | 0.68               | 0.68               | 0.68               | 0.72               | 0.72               | 0.72               | 0.72               | 0.72               | 0.76               | 0.76               | 0.76               | 0.76               | 0.76               | 0.81               | 0.81               | 0.81               | 0.81               | 0.81               |
|                  | 23°F<br>(-5.0°C)   | TC                         | 18131              | 18155              | 18174              | 18175              | 18200              | 19223              | 19246              | 19265              | 19269              | 19292              | 20372              | 20398              | 20421              | 20425              | 20447              | 21599              | 21623              | 21646              | 21649              | 21676              |
|                  |                    | S/T                        | 0.49               | 0.58               | 0.65               | 0.65               | 0.75               | 0.52               | 0.61               | 0.69               | 0.69               | 0.79               | 0.55               | 0.65               | 0.74               | 0.74               | 0.84               | 0.58               | 0.69               | 0.78               | 0.78               | 0.89               |
|                  |                    | PI                         | 0.70               | 0.70               | 0.70               | 0.70               | 0.71               | 0.75               | 0.75               | 0.75               | 0.75               | 0.75               | 0.79               | 0.79               | 0.79               | 0.79               | 0.79               | 0.84               | 0.84               | 0.84               | 0.84               | 0.84               |
|                  | 35°F<br>(1.7°C)    | TC                         | 17991              | 18015              | 18035              | 18036              | 18060              | 19075              | 19098              | 19117              | 19121              | 19143              | 20215              | 20241              | 20264              | 20268              | 20290              | 21433              | 21456              | 21480              | 21483              | 21510              |
|                  |                    | S/T                        | 0.49               | 0.58               | 0.66               | 0.66               | 0.75               | 0.52               | 0.61               | 0.70               | 0.70               | 0.79               | 0.55               | 0.65               | 0.74               | 0.74               | 0.84               | 0.59               | 0.69               | 0.78               | 0.78               | 0.89               |
|                  |                    | PI                         | 0.76               | 0.76               | 0.76               | 0.76               | 0.76               | 0.80               | 0.80               | 0.80               | 0.80               | 0.80               | 0.85               | 0.85               | 0.85               | 0.85               | 0.85               | 0.90               | 0.90               | 0.90               | 0.90               | 0.90               |
|                  | 41°F<br>(5.0°C)    | TC                         | 17802              | 17826              | 17845              | 17846              | 17870              | 18875              | 18897              | 18916              | 18919              | 18942              | 20002              | 20028              | 20051              | 20054              | 20077              | 21207              | 21231              | 21254              | 21257              | 21283              |
|                  |                    | S/T                        | 0.49               | 0.58               | 0.66               | 0.66               | 0.75               | 0.52               | 0.61               | 0.70               | 0.70               | 0.80               | 0.56               | 0.65               | 0.74               | 0.74               | 0.84               | 0.59               | 0.69               | 0.78               | 0.78               | 0.89               |
|                  |                    | PI                         | 0.79               | 0.79               | 0.79               | 0.79               | 0.79               | 0.84               | 0.84               | 0.84               | 0.84               | 0.84               | 0.89               | 0.89               | 0.89               | 0.89               | 0.89               | 0.94               | 0.94               | 0.94               | 0.94               | 0.95               |
|                  | 47°F<br>(8.3°C)    | TC                         | 17613              | 17636              | 17655              | 17656              | 17680              | 18674              | 18696              | 18714              | 18718              | 18740              | 19790              | 19815              | 19837              | 19841              | 19863              | 20982              | 21005              | 21028              | 21031              | 21057              |
|                  |                    | S/T                        | 0.50               | 0.58               | 0.66               | 0.66               | 0.75               | 0.53               | 0.62               | 0.70               | 0.70               | 0.80               | 0.56               | 0.65               | 0.74               | 0.74               | 0.85               | 0.59               | 0.69               | 0.79               | 0.79               | 0.90               |
|                  |                    | PI                         | 0.83               | 0.83               | 0.83               | 0.83               | 0.83               | 0.88               | 0.88               | 0.88               | 0.88               | 0.88               | 0.93               | 0.93               | 0.93               | 0.93               | 0.93               | 0.98               | 0.99               | 0.99               | 0.99               | 0.99               |
|                  | 50°F<br>(10.0°C)   | TC                         | 17835              | 17859              | 17879              | 17879              | 17904              | 18910              | 18933              | 18951              | 18955              | 18978              | 20040              | 20066              | 20088              | 20092              | 20115              | 21248              | 21271              | 21294              | 21297              | 21324              |
|                  |                    | S/T                        | 0.50               | 0.58               | 0.66               | 0.66               | 0.76               | 0.53               | 0.62               | 0.70               | 0.70               | 0.80               | 0.56               | 0.66               | 0.75               | 0.75               | 0.85               | 0.59               | 0.70               | 0.79               | 0.79               | 0.90               |
|                  |                    | PI                         | 0.85               | 0.85               | 0.85               | 0.85               | 0.85               | 0.90               | 0.90               | 0.90               | 0.90               | 0.90               | 0.95               | 0.95               | 0.95               | 0.95               | 0.96               | 1.01               | 1.01               | 1.01               | 1.01               | 1.01               |
|                  | 59°F<br>(15.0°C)   | TC                         | 18504              | 18529              | 18549              | 18550              | 18575              | 19619              | 19643              | 19662              | 19666              | 19689              | 20792              | 20819              | 20842              | 20846              | 20869              | 22044              | 22068              | 22092              | 22096              | 22123              |
|                  |                    | S/T                        | 0.50               | 0.59               | 0.67               | 0.67               | 0.76               | 0.53               | 0.62               | 0.71               | 0.71               | 0.81               | 0.56               | 0.66               | 0.75               | 0.75               | 0.86               | 0.60               | 0.70               | 0.80               | 0.80               | 0.91               |
|                  |                    | PI                         | 0.91               | 0.91               | 0.91               | 0.91               | 0.91               | 0.96               | 0.97               | 0.97               | 0.97               | 0.97               | 1.02               | 1.02               | 1.03               | 1.03               | 1.03               | 1.08               | 1.09               | 1.09               | 1.09               | 1.09               |
|                  | 68°F<br>(20.0°C)   | TC                         | 19173              | 19199              | 19220              | 19220              | 19246              | 20329              | 20353              | 20373              | 20377              | 20401              | 21543              | 21571              | 21595              | 21599              | 21623              | 22841              | 22866              | 22891              | 22894              | 22923              |
|                  |                    | S/T                        | 0.51               | 0.60               | 0.69               | 0.69               | 0.78               | 0.54               | 0.64               | 0.73               | 0.73               | 0.83               | 0.58               | 0.68               | 0.77               | 0.77               | 0.88               | 0.61               | 0.72               | 0.82               | 0.82               | 0.93               |
|                  |                    | PI                         | 0.97               | 0.97               | 0.98               | 0.98               | 0.98               | 1.03               | 1.03               | 1.03               | 1.03               | 1.03               | 1.09               | 1.09               | 1.09               | 1.10               | 1.10               | 1.16               | 1.16               | 1.16               | 1.16               | 1.16               |
|                  | 77°F<br>(25.0°C)   | TC                         | 19842              | 19869              | 19890              | 19891              | 19918              | 21038              | 21063              | 21083              | 21088              | 21113              | 22295              | 22323              | 22348              | 22353              | 22377              | 23638              | 23664              | 23689              | 23693              | 23722              |
|                  |                    | S/T                        | 0.52               | 0.61               | 0.69               | 0.69               | 0.79               | 0.55               | 0.65               | 0.74               | 0.74               | 0.84               | 0.59               | 0.69               | 0.78               | 0.78               | 0.89               | 0.62               | 0.73               | 0.83               | 0.83               | 0.94               |
|                  |                    | PI                         | 1.04               | 1.04               | 1.04               | 1.04               | 1.04               | 1.10               | 1.10               | 1.10               | 1.10               | 1.10               | 1.16               | 1.16               | 1.17               | 1.17               | 1.17               | 1.23               | 1.23               | 1.24               | 1.24               | 1.24               |
|                  | 82°F<br>(27.8°C)   | TC                         | 19599              | 19625              | 19646              | 19647              | 19674              | 20780              | 20805              | 20825              | 20829              | 20854              | 22021              | 22050              | 22075              | 22079              | 22103              | 23348              | 23374              | 23399              | 23403              | 23432              |
|                  |                    | S/T                        | 0.53               | 0.62               | 0.70               | 0.70               | 0.80               | 0.56               | 0.66               | 0.75               | 0.75               | 0.85               | 0.59               | 0.70               | 0.79               | 0.79               | 0.90               | 0.63               | 0.74               | 0.84               | 0.84               | 0.95               |
|                  |                    | PI                         | 1.12               | 1.12               | 1.12               | 1.12               | 1.12               | 1.19               | 1.19               | 1.19               | 1.19               | 1.19               | 1.26               | 1.26               | 1.26               | 1.26               | 1.26               | 1.33               | 1.33               | 1.34               | 1.34               | 1.34               |
|                  | 86°F<br>(30.0°C)   | TC                         | 18629              | 18654              | 18674              | 18675              | 18700              | 19751              | 19775              | 19794              | 19798              | 19822              | 20931              | 20959              | 20982              | 20986              | 21009              | 22193              | 22217              | 22241              | 22244              | 22272              |
|                  |                    | S/T                        | 0.53               | 0.63               | 0.71               | 0.71               | 0.81               | 0.57               | 0.66               | 0.75               | 0.75               | 0.86               | 0.60               | 0.70               | 0.80               | 0.80               | 0.91               | 0.64               | 0.75               | 0.85               | 0.85               | 0.97               |
|                  |                    | PI                         | 1.25               | 1.25               | 1.25               | 1.25               | 1.25               | 1.32               | 1.33               | 1.33               | 1.33               | 1.33               | 1.40               | 1.40               | 1.41               | 1.41               | 1.41               | 1.49               | 1.49               | 1.49               | 1.49               | 1.49               |
|                  | 95°F<br>(35.0°C)   | TC                         | 16446              | 16468              | 16                 |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |

**Table 50 — Low Static Heating Performance (18K)**

HEATING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 18 (Sheet 1 of 2)

| AIRFLOW<br>(CFM) | OUTDOOR<br>DB (°F) | TC: Total Heating Capacity (BTU/hr) |                  |                  |                    |                    | PI: Power Input (kW)      |                  |                  |                    |                    |
|------------------|--------------------|-------------------------------------|------------------|------------------|--------------------|--------------------|---------------------------|------------------|------------------|--------------------|--------------------|
|                  |                    | Indoor Conditions (DB °F)           |                  |                  |                    |                    | Indoor Conditions (DB °F) |                  |                  |                    |                    |
|                  |                    | 60.8°F<br>(16.0°C)                  | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) | 60.8°F<br>(16.0°C)        | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) |
| 441              | -22°F(-30.0°C)     | 8949                                | 8770             | 8726             | 8332               | 8257               | 1.85                      | 1.87             | 1.87             | 1.88               | 1.88               |
|                  | -13°F(-25.0°C)     | 11583                               | 11351            | 11295            | 10369              | 10275              | 2.00                      | 2.02             | 2.03             | 2.03               | 2.04               |
|                  | -4°F(-20.0°C)      | 14425                               | 14136            | 14065            | 12912              | 12796              | 2.18                      | 2.20             | 2.20             | 2.21               | 2.22               |
|                  | 0°F(-17.8°C)       | 15275                               | 14970            | 14895            | 13674              | 13551              | 2.30                      | 2.32             | 2.32             | 2.33               | 2.34               |
|                  | 5°F(-15.0°C)       | 16339                               | 16012            | 15932            | 14626              | 14494              | 2.44                      | 2.46             | 2.47             | 2.47               | 2.48               |
|                  | 14°F(-10.0°C)      | 17776                               | 17421            | 17334            | 15913              | 15770              | 2.41                      | 2.43             | 2.44             | 2.44               | 2.45               |
|                  | 17°F(-8.3°C)       | 18256                               | 17891            | 17801            | 16342              | 16195              | 2.40                      | 2.42             | 2.43             | 2.43               | 2.44               |
|                  | 22°F(-5.6°C)       | 18336                               | 17970            | 17880            | 16414              | 16266              | 2.29                      | 2.31             | 2.32             | 2.32               | 2.33               |
|                  | 27°F(-2.8°C)       | 18417                               | 18049            | 17959            | 16486              | 16338              | 2.18                      | 2.20             | 2.20             | 2.21               | 2.22               |
|                  | 32°F(0.0°C)        | 18498                               | 18128            | 18037            | 16559              | 16410              | 2.07                      | 2.09             | 2.09             | 2.09               | 2.10               |
|                  | 35°F(1.7°C)        | 18546                               | 18175            | 18085            | 16602              | 16453              | 2.00                      | 2.02             | 2.02             | 2.03               | 2.04               |
|                  | 37°F(2.8°C)        | 18675                               | 18301            | 18210            | 16717              | 16567              | 1.96                      | 1.97             | 1.98             | 1.98               | 1.99               |
|                  | 42°F(5.6°C)        | 18996                               | 18616            | 18523            | 17004              | 16851              | 1.84                      | 1.86             | 1.86             | 1.86               | 1.87               |
|                  | 44.6°F(7.0°C)      | 19124                               | 18741            | 18648            | 17119              | 16965              | 1.79                      | 1.81             | 1.81             | 1.82               | 1.82               |
|                  | 47°F(8.3°C)        | 19316                               | 18930            | 18835            | 17291              | 17136              | 1.73                      | 1.74             | 1.74             | 1.75               | 1.75               |
|                  | 52°F(11.1°C)       | 18509                               | 18139            | 18048            | 16568              | 16419              | 1.53                      | 1.54             | 1.54             | 1.55               | 1.55               |
|                  | 57°F(13.9°C)       | 17701                               | 17347            | 17260            | 15845              | 15703              | 1.33                      | 1.34             | 1.34             | 1.35               | 1.35               |
|                  | 59°F(15.0°C)       | 17378                               | 17031            | 16945            | 15556              | 15416              | 1.25                      | 1.26             | 1.26             | 1.27               | 1.27               |
| 500              | 62°F(16.7°C)       | 16894                               | 16556            | 16473            | 15123              | 14986              | 1.13                      | 1.14             | 1.14             | 1.15               | 1.15               |
|                  | 64.4°F(18.0°C)     | 16571                               | 16239            | 16158            | 14833              | 14700              | 1.05                      | 1.06             | 1.06             | 1.07               | 1.07               |
|                  | -22°F(-30.0°C)     | 9511                                | 9320             | 9274             | 9043               | 8962               | 1.87                      | 1.89             | 1.89             | 1.89               | 1.90               |
|                  | -13°F(-25.0°C)     | 12070                               | 11829            | 11770            | 11255              | 11153              | 2.03                      | 2.04             | 2.05             | 2.05               | 2.06               |
|                  | -4°F(-20.0°C)      | 15032                               | 14731            | 14657            | 14016              | 13890              | 2.20                      | 2.22             | 2.23             | 2.23               | 2.24               |
|                  | 0°F(-17.8°C)       | 15918                               | 15600            | 15522            | 14842              | 14709              | 2.32                      | 2.34             | 2.34             | 2.35               | 2.36               |
|                  | 5°F(-15.0°C)       | 17026                               | 16686            | 16602            | 15875              | 15733              | 2.47                      | 2.49             | 2.49             | 2.50               | 2.51               |
|                  | 14°F(-10.0°C)      | 18525                               | 18154            | 18063            | 17272              | 17117              | 2.44                      | 2.46             | 2.46             | 2.47               | 2.48               |
|                  | 17°F(-8.3°C)       | 19024                               | 18644            | 18550            | 17738              | 17578              | 2.43                      | 2.45             | 2.45             | 2.46               | 2.47               |
|                  | 22°F(-5.6°C)       | 19108                               | 18726            | 18632            | 17817              | 17656              | 2.32                      | 2.33             | 2.34             | 2.34               | 2.35               |
|                  | 27°F(-2.8°C)       | 19192                               | 18808            | 18714            | 17895              | 17734              | 2.20                      | 2.22             | 2.23             | 2.23               | 2.24               |
|                  | 32°F(0.0°C)        | 19276                               | 18891            | 18796            | 17973              | 17812              | 2.09                      | 2.11             | 2.11             | 2.12               | 2.12               |
|                  | 35°F(1.7°C)        | 19327                               | 18940            | 18846            | 18021              | 17858              | 2.02                      | 2.04             | 2.04             | 2.05               | 2.06               |
|                  | 37°F(2.8°C)        | 19461                               | 19071            | 18976            | 18145              | 17982              | 1.98                      | 1.99             | 2.00             | 2.00               | 2.01               |
|                  | 42°F(5.6°C)        | 19795                               | 19399            | 19302            | 18457              | 18291              | 1.86                      | 1.87             | 1.88             | 1.88               | 1.89               |
|                  | 44.6°F(7.0°C)      | 19929                               | 19530            | 19432            | 18582              | 18414              | 1.81                      | 1.83             | 1.83             | 1.83               | 1.84               |
|                  | 47°F(8.3°C)        | 20129                               | 19727            | 19628            | 18769              | 18600              | 1.74                      | 1.76             | 1.76             | 1.76               | 1.77               |
|                  | 52°F(11.1°C)       | 19288                               | 18902            | 18807            | 17984              | 17822              | 1.54                      | 1.56             | 1.56             | 1.56               | 1.57               |
|                  | 57°F(13.9°C)       | 18446                               | 18077            | 17987            | 17199              | 17044              | 1.34                      | 1.35             | 1.36             | 1.36               | 1.37               |
| 559              | 59°F(15.0°C)       | 18109                               | 17747            | 17659            | 16885              | 16733              | 1.26                      | 1.27             | 1.28             | 1.28               | 1.28               |
|                  | 62°F(16.7°C)       | 17605                               | 17252            | 17166            | 16415              | 16267              | 1.14                      | 1.15             | 1.16             | 1.16               | 1.16               |
|                  | 64.4°F(18.0°C)     | 17268                               | 16923            | 16838            | 16101              | 15956              | 1.06                      | 1.07             | 1.08             | 1.08               | 1.08               |
|                  | -22°F(-30.0°C)     | 10107                               | 9905             | 9855             | 9816               | 9728               | 1.89                      | 1.91             | 1.91             | 1.91               | 1.92               |
|                  | -13°F(-25.0°C)     | 12578                               | 12327            | 12265            | 12216              | 12106              | 2.05                      | 2.06             | 2.07             | 2.07               | 2.08               |
|                  | -4°F(-20.0°C)      | 15664                               | 15351            | 15274            | 15213              | 15076              | 2.23                      | 2.24             | 2.25             | 2.25               | 2.26               |
|                  | 0°F(-17.8°C)       | 16588                               | 16256            | 16175            | 16110              | 15965              | 2.34                      | 2.36             | 2.37             | 2.37               | 2.38               |
|                  | 5°F(-15.0°C)       | 17743                               | 17388            | 17301            | 17232              | 17077              | 2.49                      | 2.51             | 2.52             | 2.52               | 2.53               |
|                  | 14°F(-10.0°C)      | 19304                               | 18918            | 18823            | 18748              | 18579              | 2.46                      | 2.48             | 2.49             | 2.49               | 2.50               |
|                  | 17°F(-8.3°C)       | 19825                               | 19428            | 19331            | 19254              | 19080              | 2.45                      | 2.47             | 2.48             | 2.48               | 2.49               |
|                  | 22°F(-5.6°C)       | 19912                               | 19514            | 19416            | 19339              | 19165              | 2.34                      | 2.36             | 2.36             | 2.37               | 2.38               |
|                  | 27°F(-2.8°C)       | 20000                               | 19600            | 19502            | 19424              | 19249              | 2.23                      | 2.24             | 2.25             | 2.25               | 2.26               |
|                  | 32°F(0.0°C)        | 20088                               | 19686            | 19587            | 19509              | 19333              | 2.11                      | 2.13             | 2.13             | 2.14               | 2.15               |
|                  | 35°F(1.7°C)        | 20140                               | 19737            | 19639            | 19560              | 19384              | 2.04                      | 2.06             | 2.06             | 2.07               | 2.08               |
|                  | 37°F(2.8°C)        | 20280                               | 19874            | 19775            | 19696              | 19518              | 2.00                      | 2.01             | 2.02             | 2.02               | 2.03               |
|                  | 42°F(5.6°C)        | 20628                               | 20215            | 20114            | 20034              | 19854              | 1.88                      | 1.89             | 1.90             | 1.90               | 1.91               |
|                  | 44.6°F(7.0°C)      | 20767                               | 20352            | 20250            | 20169              | 19988              | 1.83                      | 1.85             | 1.85             | 1.85               | 1.86               |
|                  | 47°F(8.3°C)        | 20976                               | 20557            | 20454            | 20372              | 20189              | 1.76                      | 1.77             | 1.78             | 1.78               | 1.79               |
|                  | 52°F(11.1°C)       | 20099                               | 19697            | 19599            | 19520              | 19345              | 1.56                      | 1.57             | 1.57             | 1.58               | 1.58               |
|                  | 57°F(13.9°C)       | 19222                               | 18838            | 18744            | 18669              | 18501              | 1.36                      | 1.37             | 1.37             | 1.37               | 1.38               |
|                  | 59°F(15.0°C)       | 18872                               | 18494            | 18402            | 18328              | 18163              | 1.28                      | 1.29             | 1.29             | 1.29               | 1.30               |
|                  | 62°F(16.7°C)       | 18345                               | 17978            | 17889            | 17817              | 17657              | 1.16                      | 1.17             | 1.17             | 1.17               | 1.17               |
|                  | 64.4°F(18.0°C)     | 17995                               | 17635            | 17547            | 17476              | 17319              | 1.08                      | 1.08             | 1.09             | 1.09               | 1.09               |

## HEATING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 18 (Sheet 2 of 2)

| AIRFLOW<br>(CFM) | OUTDOOR<br>DB (°F) | TC: Total Heating Capacity (BTU/hr) |                  |                  |                    |                    | PI: Power Input (kW)      |                  |                  |                    |                    |
|------------------|--------------------|-------------------------------------|------------------|------------------|--------------------|--------------------|---------------------------|------------------|------------------|--------------------|--------------------|
|                  |                    | Indoor Conditions (DB °F)           |                  |                  |                    |                    | Indoor Conditions (DB °F) |                  |                  |                    |                    |
|                  |                    | 60.8°F<br>(16.0°C)                  | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) | 60.8°F<br>(16.0°C)        | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) |
| 600              | -22°F(-30.0°C)     | 10532                               | 10322            | 10270            | 10229              | 10137              | 1.91                      | 1.93             | 1.93             | 1.93               | 1.94               |
|                  | -13°F(-25.0°C)     | 13108                               | 12846            | 12781            | 12730              | 12616              | 2.07                      | 2.08             | 2.09             | 2.09               | 2.10               |
|                  | -4°F(-20.0°C)      | 16323                               | 15997            | 15917            | 15853              | 15711              | 2.25                      | 2.27             | 2.27             | 2.28               | 2.29               |
|                  | 0°F(-17.8°C)       | 17286                               | 16940            | 16856            | 16788              | 16637              | 2.37                      | 2.39             | 2.39             | 2.40               | 2.41               |
|                  | 5°F(-15.0°C)       | 18489                               | 18120            | 18029            | 17957              | 17795              | 2.52                      | 2.54             | 2.54             | 2.55               | 2.56               |
|                  | 14°F(-10.0°C)      | 20116                               | 19714            | 19616            | 19537              | 19361              | 2.49                      | 2.51             | 2.51             | 2.52               | 2.53               |
|                  | 17°F(-8.3°C)       | 20659                               | 20246            | 20144            | 20064              | 19883              | 2.48                      | 2.50             | 2.50             | 2.51               | 2.52               |
|                  | 22°F(-5.6°C)       | 20750                               | 20335            | 20234            | 20153              | 19971              | 2.36                      | 2.38             | 2.39             | 2.39               | 2.40               |
|                  | 27°F(-2.8°C)       | 20842                               | 20425            | 20323            | 20241              | 20059              | 2.25                      | 2.27             | 2.27             | 2.27               | 2.28               |
|                  | 32°F(-0.0°C)       | 20933                               | 20514            | 20412            | 20330              | 20147              | 2.13                      | 2.15             | 2.15             | 2.16               | 2.17               |
|                  | 35°F(1.7°C)        | 20988                               | 20568            | 20465            | 20383              | 20200              | 2.06                      | 2.08             | 2.09             | 2.09               | 2.10               |
|                  | 37°F(2.8°C)        | 21133                               | 20710            | 20607            | 20524              | 20340              | 2.02                      | 2.03             | 2.04             | 2.04               | 2.05               |
|                  | 42°F(5.6°C)        | 21496                               | 21066            | 20961            | 20877              | 20689              | 1.90                      | 1.91             | 1.92             | 1.92               | 1.93               |
|                  | 44.6°F(7.0°C)      | 21641                               | 21208            | 21102            | 21018              | 20829              | 1.85                      | 1.86             | 1.87             | 1.87               | 1.88               |
|                  | 47°F(8.3°C)        | 21859                               | 21422            | 21315            | 21230              | 21038              | 1.78                      | 1.79             | 1.80             | 1.80               | 1.81               |
|                  | 52°F(11.1°C)       | 20945                               | 20526            | 20424            | 20342              | 20159              | 1.57                      | 1.59             | 1.59             | 1.59               | 1.60               |
|                  | 57°F(13.9°C)       | 20031                               | 19631            | 19532            | 19454              | 19279              | 1.37                      | 1.38             | 1.38             | 1.39               | 1.39               |
|                  | 59°F(15.0°C)       | 19666                               | 19272            | 19176            | 19099              | 18927              | 1.29                      | 1.30             | 1.30             | 1.31               | 1.31               |
|                  | 62°F(16.7°C)       | 19117                               | 18735            | 18641            | 18567              | 18400              | 1.17                      | 1.18             | 1.18             | 1.18               | 1.19               |
|                  | 64.4°F(18.0°C)     | 18752                               | 18377            | 18285            | 18212              | 18048              | 1.09                      | 1.09             | 1.10             | 1.10               | 1.10               |

## HEATING AND COOLING PERFORMANCE

## Ceiling/Floor Console (D5FCFA)

Table 51 — Ceiling/Floor Console Cooling Performance (18K)

COOLING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 18 (Sheet 1 of 4)

| AIRFLOW<br>(CFM) | OUTDOOR<br>DB(°F)  | ID WB(°F)<br>ID DB(°F) | 60.8°F(16.0°C)     |                    |                    |                    |                    | 64.4°F(18.0°C)     |                    |                    |                    |                    | 67°F(19.4°C)       |                    |                    |                    |                    | 71.6°F(22.0°C)     |                    |                    |                    |                    |
|------------------|--------------------|------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                  |                    |                        | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.6°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.6°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.6°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.6°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) |
| 421              | -22°F<br>(-30.0°C) | TC                     | 9924               | 9937               | 9948               | 9948               | 9962               | 10522              | 10534              | 10545              | 10547              | 10559              | 11150              | 11165              | 11177              | 11179              | 11192              | 11822              | 11835              | 11848              | 11850              | 11865              |
|                  |                    | S/T                    | 0.35               | 0.42               | 0.47               | 0.47               | 0.54               | 0.37               | 0.44               | 0.50               | 0.50               | 0.57               | 0.40               | 0.47               | 0.53               | 0.53               | 0.60               | 0.42               | 0.49               | 0.56               | 0.56               | 0.64               |
|                  |                    | PI                     | 0.45               | 0.45               | 0.45               | 0.45               | 0.45               | 0.47               | 0.47               | 0.47               | 0.47               | 0.47               | 0.50               | 0.50               | 0.50               | 0.50               | 0.50               | 0.53               | 0.53               | 0.53               | 0.53               | 0.53               |
|                  | -13°F<br>(-25.0°C) | TC                     | 10243              | 10257              | 10268              | 10268              | 10282              | 10860              | 10873              | 10884              | 10886              | 10899              | 11509              | 11524              | 11537              | 11539              | 11552              | 12203              | 12216              | 12229              | 12231              | 12246              |
|                  |                    | S/T                    | 0.36               | 0.42               | 0.47               | 0.47               | 0.54               | 0.38               | 0.44               | 0.50               | 0.50               | 0.57               | 0.40               | 0.47               | 0.53               | 0.53               | 0.61               | 0.42               | 0.50               | 0.57               | 0.57               | 0.64               |
|                  |                    | PI                     | 0.43               | 0.43               | 0.43               | 0.43               | 0.43               | 0.46               | 0.46               | 0.46               | 0.46               | 0.46               | 0.48               | 0.48               | 0.48               | 0.48               | 0.48               | 0.51               | 0.51               | 0.51               | 0.51               | 0.51               |
|                  | -4°F<br>(-20.0°C)  | TC                     | 11324              | 11339              | 11351              | 11352              | 11367              | 12006              | 12020              | 12032              | 12035              | 12049              | 12724              | 12740              | 12754              | 12757              | 12771              | 13490              | 13505              | 13520              | 13522              | 13538              |
|                  |                    | S/T                    | 0.36               | 0.42               | 0.48               | 0.48               | 0.54               | 0.38               | 0.45               | 0.51               | 0.51               | 0.58               | 0.40               | 0.47               | 0.54               | 0.54               | 0.61               | 0.43               | 0.50               | 0.57               | 0.57               | 0.65               |
|                  |                    | PI                     | 0.49               | 0.49               | 0.49               | 0.49               | 0.49               | 0.52               | 0.52               | 0.52               | 0.52               | 0.55               | 0.55               | 0.55               | 0.56               | 0.56               | 0.56               | 0.59               | 0.59               | 0.59               | 0.59               | 0.59               |
|                  | 0°F<br>(-17.8°C)   | TC                     | 11804              | 11820              | 11833              | 11833              | 11849              | 12516              | 12530              | 12543              | 12545              | 12560              | 13263              | 13281              | 13295              | 13298              | 13313              | 14062              | 14078              | 14093              | 14095              | 14113              |
|                  |                    | S/T                    | 0.36               | 0.42               | 0.48               | 0.48               | 0.55               | 0.38               | 0.45               | 0.51               | 0.51               | 0.58               | 0.40               | 0.47               | 0.54               | 0.54               | 0.61               | 0.43               | 0.50               | 0.57               | 0.57               | 0.65               |
|                  |                    | PI                     | 0.52               | 0.52               | 0.52               | 0.52               | 0.52               | 0.55               | 0.55               | 0.55               | 0.55               | 0.55               | 0.59               | 0.59               | 0.59               | 0.59               | 0.59               | 0.62               | 0.62               | 0.62               | 0.62               | 0.62               |
|                  | 5°F<br>(-15.0°C)   | TC                     | 12405              | 12421              | 12435              | 12435              | 12452              | 13152              | 13168              | 13181              | 13183              | 13199              | 13938              | 13956              | 13972              | 13974              | 13990              | 14778              | 14794              | 14810              | 14812              | 14831              |
|                  |                    | S/T                    | 0.36               | 0.42               | 0.48               | 0.48               | 0.55               | 0.38               | 0.45               | 0.51               | 0.51               | 0.58               | 0.41               | 0.48               | 0.54               | 0.54               | 0.62               | 0.43               | 0.50               | 0.57               | 0.57               | 0.65               |
|                  |                    | PI                     | 0.56               | 0.56               | 0.56               | 0.56               | 0.56               | 0.59               | 0.59               | 0.59               | 0.59               | 0.59               | 0.63               | 0.63               | 0.63               | 0.63               | 0.63               | 0.66               | 0.66               | 0.66               | 0.66               | 0.67               |
|                  | 14°F<br>(-10.0°C)  | TC                     | 13048              | 13066              | 13080              | 13080              | 13098              | 13834              | 13851              | 13864              | 13867              | 13884              | 14661              | 14680              | 14696              | 14699              | 14715              | 15544              | 15561              | 15578              | 15580              | 15600              |
|                  |                    | S/T                    | 0.36               | 0.42               | 0.48               | 0.48               | 0.55               | 0.38               | 0.45               | 0.51               | 0.51               | 0.58               | 0.41               | 0.48               | 0.54               | 0.54               | 0.62               | 0.43               | 0.51               | 0.57               | 0.57               | 0.65               |
|                  |                    | PI                     | 0.44               | 0.44               | 0.44               | 0.44               | 0.44               | 0.46               | 0.46               | 0.46               | 0.46               | 0.47               | 0.49               | 0.49               | 0.49               | 0.49               | 0.49               | 0.52               | 0.52               | 0.52               | 0.52               | 0.52               |
|                  | 17°F<br>(-8.3°C)   | TC                     | 13262              | 13280              | 13295              | 13295              | 13313              | 14062              | 14078              | 14092              | 14095              | 14112              | 14902              | 14921              | 14938              | 14941              | 14957              | 15800              | 15817              | 15834              | 15837              | 15856              |
|                  |                    | S/T                    | 0.36               | 0.43               | 0.48               | 0.48               | 0.55               | 0.38               | 0.45               | 0.51               | 0.51               | 0.58               | 0.41               | 0.48               | 0.54               | 0.54               | 0.62               | 0.43               | 0.51               | 0.58               | 0.58               | 0.66               |
|                  |                    | PI                     | 0.40               | 0.40               | 0.40               | 0.40               | 0.40               | 0.42               | 0.42               | 0.42               | 0.42               | 0.42               | 0.45               | 0.45               | 0.45               | 0.45               | 0.45               | 0.47               | 0.47               | 0.47               | 0.47               | 0.48               |
|                  | 23°F<br>(-5.0°C)   | TC                     | 13401              | 13419              | 13434              | 13434              | 13452              | 14209              | 14226              | 14240              | 14243              | 14259              | 15058              | 15077              | 15094              | 15097              | 15114              | 15965              | 15982              | 16000              | 16002              | 16022              |
|                  |                    | S/T                    | 0.36               | 0.43               | 0.49               | 0.49               | 0.55               | 0.39               | 0.45               | 0.52               | 0.52               | 0.59               | 0.41               | 0.48               | 0.55               | 0.55               | 0.62               | 0.43               | 0.51               | 0.58               | 0.58               | 0.66               |
|                  |                    | PI                     | 0.44               | 0.44               | 0.44               | 0.44               | 0.44               | 0.46               | 0.46               | 0.46               | 0.46               | 0.46               | 0.49               | 0.49               | 0.49               | 0.49               | 0.49               | 0.52               | 0.52               | 0.52               | 0.52               | 0.52               |
|                  | 35°F<br>(1.7°C)    | TC                     | 13679              | 13697              | 13712              | 13713              | 13731              | 14503              | 14520              | 14535              | 14538              | 14555              | 15370              | 15390              | 15407              | 15410              | 15427              | 16296              | 16314              | 16331              | 16334              | 16354              |
|                  |                    | S/T                    | 0.37               | 0.43               | 0.49               | 0.49               | 0.56               | 0.39               | 0.46               | 0.52               | 0.52               | 0.59               | 0.41               | 0.48               | 0.55               | 0.55               | 0.63               | 0.44               | 0.51               | 0.58               | 0.58               | 0.66               |
|                  |                    | PI                     | 0.51               | 0.51               | 0.52               | 0.52               | 0.52               | 0.54               | 0.55               | 0.55               | 0.55               | 0.55               | 0.58               | 0.58               | 0.58               | 0.58               | 0.58               | 0.61               | 0.61               | 0.61               | 0.61               | 0.61               |
|                  | 41°F<br>(5.0°C)    | TC                     | 13515              | 13533              | 13547              | 13548              | 13566              | 14329              | 14346              | 14360              | 14363              | 14380              | 15185              | 15205              | 15222              | 15225              | 15242              | 16100              | 16118              | 16135              | 16138              | 16158              |
|                  |                    | S/T                    | 0.37               | 0.43               | 0.49               | 0.49               | 0.56               | 0.39               | 0.46               | 0.52               | 0.52               | 0.59               | 0.41               | 0.48               | 0.55               | 0.55               | 0.63               | 0.44               | 0.51               | 0.58               | 0.58               | 0.66               |
|                  |                    | PI                     | 0.56               | 0.56               | 0.56               | 0.56               | 0.56               | 0.59               | 0.59               | 0.59               | 0.59               | 0.59               | 0.62               | 0.63               | 0.63               | 0.63               | 0.63               | 0.66               | 0.66               | 0.66               | 0.66               | 0.66               |
|                  | 47°F<br>(8.3°C)    | TC                     | 13350              | 13368              | 13383              | 13383              | 13401              | 14155              | 14172              | 14186              | 14188              | 14205              | 15000              | 15020              | 15037              | 15039              | 15056              | 15904              | 15922              | 15939              | 15941              | 15961              |
|                  |                    | S/T                    | 0.37               | 0.43               | 0.49               | 0.49               | 0.56               | 0.39               | 0.46               | 0.52               | 0.52               | 0.59               | 0.41               | 0.49               | 0.55               | 0.55               | 0.63               | 0.44               | 0.51               | 0.58               | 0.58               | 0.67               |
|                  |                    | PI                     | 0.60               | 0.60               | 0.60               | 0.60               | 0.60               | 0.63               | 0.64               | 0.64               | 0.64               | 0.64               | 0.67               | 0.67               | 0.67               | 0.67               | 0.67               | 0.71               | 0.71               | 0.71               | 0.71               | 0.72               |
|                  | 50°F<br>(10.0°C)   | TC                     | 13504              | 13522              | 13537              | 13537              | 13556              | 14318              | 14335              | 14349              | 14352              | 14369              | 15173              | 15193              | 15210              | 15213              | 15230              | 16087              | 16105              | 16122              | 16125              | 16145              |
|                  |                    | S/T                    | 0.37               | 0.43               | 0.49               | 0.49               | 0.56               | 0.39               | 0.46               | 0.52               | 0.52               | 0.60               | 0.42               | 0.49               | 0.55               | 0.55               | 0.63               | 0.44               | 0.52               | 0.59               | 0.59               | 0.67               |
|                  |                    | PI                     | 0.62               | 0.62               | 0.62               | 0.62               | 0.62               | 0.65               | 0.65               | 0.65               | 0.65               | 0.65               | 0.69               | 0.69               | 0.69               | 0.69               | 0.69               | 0.73               | 0.73               | 0.73               | 0.73               | 0.74               |
|                  | 59°F<br>(15.0°C)   | TC                     | 13965              | 13984              | 13999              | 13999              | 14018              | 14807              | 14824              | 14839              | 14842              | 14859              | 15691              | 15712              | 15729              | 15732              | 15750              | 16637              | 16655              | 16673              | 16675              | 16696              |
|                  |                    | S/T                    | 0.37               | 0.44               | 0.50               | 0.50               | 0.57               | 0.39               | 0.46               | 0.53               | 0.53               | 0.60               | 0.42               | 0.49               | 0.56               | 0.56               | 0.64               | 0.44               | 0.52               | 0.59               | 0.59               | 0.67               |
|                  |                    | PI                     | 0.67               | 0.67               | 0.67               | 0.67               | 0.67               | 0.71               | 0.71               | 0.71               | 0.71               | 0.71               | 0.75               | 0.75               | 0.75               | 0.75               | 0.75               | 0.79               | 0.79               | 0.80               | 0.80               | 0.80               |
|                  | 68°F<br>(20.0°C)   | TC                     | 14426              | 14445              | 14461              | 14462              | 14481              | 15295              | 15314              | 15329              | 15332              | 15350              | 16209              | 16230              | 16248              | 16251              | 16270              | 17186              | 17205              | 17223              | 17226              | 17247              |
|                  |                    | S/T                    | 0.38               | 0.45               | 0.51               | 0.51               | 0.58               | 0.40               | 0.48               | 0.54               | 0.54               | 0.62               | 0.43               | 0.50               | 0.57               | 0.57               | 0.65               | 0.45               | 0.53               | 0.61               | 0.61               | 0.69               |
|                  |                    | PI                     | 0.72               | 0.72               | 0.72               | 0.72               | 0.72               | 0.76               | 0.76               | 0.76               | 0.76               | 0.76               | 0.81               | 0.81               | 0.81               | 0.81               | 0.81               | 0.85               | 0.86               | 0.86               | 0.86               | 0.86               |
| 77°F<br>(25.0°C) | TC                 | 14887                  | 14907              | 14923              | 14924              | 14944              | 15784              | 15803              | 15819              | 15822              | 15841              | 16727              | 16749              | 16768              | 16771              | 16790              | 17735              | 17754              | 17774              | 17777              | 17799              |                    |
|                  | S/T                | 0.39                   | 0.45               | 0.52               | 0.52               | 0.59               | 0.41               | 0.48               | 0.55               | 0.55               | 0.62               | 0.43               | 0.51               | 0.58               | 0.58               | 0.66               | 0.46               | 0.54               | 0.61               | 0.61               | 0.70               |                    |
|                  | PI                 | 0.77                   | 0.77               | 0.77               | 0.77               | 0.77               | 0.81               | 0.82               | 0.82               | 0.82               | 0.82               | 0.86               | 0.86               | 0.86               | 0.86               | 0.87               | 0.91               | 0.92               | 0.92               | 0.92               | 0.92               |                    |
| 82°F<br>(27.8°C) | TC                 | 14718                  | 14738              | 14754              | 14755              | 14775              | 15605              | 15624              | 15639              | 15642              | 15661              | 16538              | 16559              | 16578              | 16581              | 16599              | 17534              | 17553              | 17572              | 17575              | 17597              |                    |
|                  | S/T                | 0.39                   | 0.46               | 0.52               | 0.52               | 0.60               | 0.42               | 0.49               | 0.55               | 0.55               | 0.63               | 0.44               | 0.52               | 0.59               | 0.59               | 0.67               | 0.47               | 0.55               | 0.62               | 0.62               | 0.71               |                    |
|                  | PI                 | 0.83                   | 0.83               | 0.83               | 0.83               | 0.83               | 0.88               | 0.88               | 0.88               | 0.88               | 0.88               | 0.93               | 0.93               | 0.93               | 0.93               | 0.93               | 0.99               | 0.99               | 0.99               | 0.99               | 0.99               |                    |
| 86°F<br>(30.0°C) | TC                 | 14047                  | 14066              | 14081              | 14082              | 14101              | 14894              | 14911              | 14926              | 14929              | 14947              | 15783              | 15804              | 15821              | 15824              | 15842              | 16734              | 16753              | 16771              | 16773              | 16794              |                    |
|                  | S/T                | 0.40                   | 0.47               | 0.53               | 0.53               | 0.60               | 0.42               | 0.49               | 0.56               | 0.56               | 0.64               | 0.45               | 0.52               | 0.59               | 0.59               | 0.68               | 0.47               | 0.55               | 0.63               | 0.63               | 0.72               |                    |
|                  | PI                 | 0.92                   | 0.92               | 0.92               | 0.92               | 0.92               | 0.97               | 0.98               | 0.98               | 0.98               | 0.98               | 1.03               | 1.03               | 1.04               | 1.04               | 1.04               | 1.09               | 1.10               | 1.10               | 1.10               | 1.10               |                    |
| 95°F<br>(35.0°C) | TC                 | 12537                  | 12553              | 12567              | 12568              | 12584              | 13292              | 13308              | 13321              | 13324              | 13339              | 14086              | 14105              | 14120              | 14124              |                    |                    |                    |                    |                    |                    |                    |

COOLING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 18 (Sheet 2 of 4)

| AIRFLOW<br>(CFM) | OUTDOOR<br>DB(°F)  | ID WB(°F)<br>ID DB(°F) | 60.8°F(16.0°C)     |                    |                    |                    |                    | 64.4°F(18.0°C)     |                    |                    |                    |                    | 67°F(19.4°C)       |                    |                    |                    |                    | 71.6°F(22.0°C)     |                    |                    |                    |                    |
|------------------|--------------------|------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                  |                    |                        | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) |
| 485              | -22°F<br>(-30.0°C) | TC                     | 10956              | 10971              | 10982              | 10983              | 10998              | 11616              | 11630              | 11641              | 11644              | 11657              | 12310              | 12326              | 12340              | 12342              | 12356              | 13052              | 13066              | 13080              | 13082              | 13098              |
|                  |                    | S/T                    | 0.39               | 0.46               | 0.52               | 0.52               | 0.59               | 0.41               | 0.49               | 0.55               | 0.55               | 0.63               | 0.44               | 0.51               | 0.59               | 0.59               | 0.67               | 0.47               | 0.55               | 0.62               | 0.62               | 0.71               |
|                  |                    | PI                     | 0.49               | 0.49               | 0.49               | 0.49               | 0.49               | 0.52               | 0.52               | 0.52               | 0.52               | 0.52               | 0.55               | 0.55               | 0.55               | 0.55               | 0.55               | 0.59               | 0.59               | 0.59               | 0.59               | 0.59               |
|                  | -13°F<br>(-25.0°C) | TC                     | 11308              | 11324              | 11336              | 11336              | 11352              | 11990              | 12004              | 12016              | 12018              | 12032              | 12706              | 12723              | 12737              | 12739              | 12753              | 13472              | 13486              | 13501              | 13503              | 13520              |
|                  |                    | S/T                    | 0.39               | 0.46               | 0.52               | 0.52               | 0.60               | 0.42               | 0.49               | 0.56               | 0.56               | 0.63               | 0.44               | 0.52               | 0.59               | 0.59               | 0.67               | 0.47               | 0.55               | 0.62               | 0.62               | 0.71               |
|                  |                    | PI                     | 0.47               | 0.47               | 0.47               | 0.47               | 0.48               | 0.50               | 0.50               | 0.50               | 0.50               | 0.50               | 0.53               | 0.53               | 0.53               | 0.53               | 0.53               | 0.56               | 0.57               | 0.57               | 0.57               | 0.57               |
|                  | -4°F<br>(-20.0°C)  | TC                     | 12502              | 12518              | 12532              | 12532              | 12549              | 13255              | 13271              | 13284              | 13286              | 13302              | 14047              | 14065              | 14081              | 14083              | 14099              | 14893              | 14909              | 14926              | 14928              | 14947              |
|                  |                    | S/T                    | 0.40               | 0.46               | 0.53               | 0.53               | 0.60               | 0.42               | 0.49               | 0.56               | 0.56               | 0.64               | 0.44               | 0.52               | 0.59               | 0.59               | 0.68               | 0.47               | 0.55               | 0.63               | 0.63               | 0.72               |
|                  |                    | PI                     | 0.54               | 0.54               | 0.55               | 0.55               | 0.55               | 0.58               | 0.58               | 0.58               | 0.58               | 0.58               | 0.61               | 0.61               | 0.61               | 0.61               | 0.61               | 0.65               | 0.65               | 0.65               | 0.65               | 0.65               |
|                  | 0°F<br>(-17.8°C)   | TC                     | 13032              | 13049              | 13063              | 13064              | 13082              | 13817              | 13834              | 13847              | 13850              | 13866              | 14643              | 14662              | 14678              | 14681              | 14697              | 15525              | 15542              | 15559              | 15561              | 15581              |
|                  |                    | S/T                    | 0.40               | 0.47               | 0.53               | 0.53               | 0.60               | 0.42               | 0.49               | 0.56               | 0.56               | 0.64               | 0.45               | 0.52               | 0.59               | 0.59               | 0.68               | 0.47               | 0.55               | 0.63               | 0.63               | 0.72               |
|                  |                    | PI                     | 0.58               | 0.58               | 0.58               | 0.58               | 0.58               | 0.61               | 0.61               | 0.61               | 0.61               | 0.61               | 0.65               | 0.65               | 0.65               | 0.65               | 0.65               | 0.69               | 0.69               | 0.69               | 0.69               | 0.69               |
|                  | 5°F<br>(-15.0°C)   | TC                     | 13695              | 13713              | 13728              | 13729              | 13747              | 14520              | 14537              | 14552              | 14554              | 14572              | 15388              | 15408              | 15425              | 15428              | 15445              | 16315              | 16332              | 16350              | 16353              | 16373              |
|                  |                    | S/T                    | 0.40               | 0.47               | 0.53               | 0.53               | 0.61               | 0.42               | 0.50               | 0.56               | 0.56               | 0.64               | 0.45               | 0.53               | 0.60               | 0.60               | 0.68               | 0.47               | 0.56               | 0.63               | 0.63               | 0.72               |
|                  |                    | PI                     | 0.61               | 0.62               | 0.62               | 0.62               | 0.62               | 0.65               | 0.65               | 0.65               | 0.65               | 0.65               | 0.69               | 0.69               | 0.69               | 0.69               | 0.69               | 0.73               | 0.73               | 0.73               | 0.73               | 0.73               |
|                  | 14°F<br>(-10.0°C)  | TC                     | 14405              | 14424              | 14440              | 14441              | 14460              | 15273              | 15291              | 15306              | 15309              | 15328              | 16186              | 16207              | 16225              | 16228              | 16246              | 17161              | 17179              | 17198              | 17201              | 17222              |
|                  |                    | S/T                    | 0.40               | 0.47               | 0.53               | 0.53               | 0.61               | 0.42               | 0.50               | 0.56               | 0.56               | 0.64               | 0.45               | 0.53               | 0.60               | 0.60               | 0.68               | 0.48               | 0.56               | 0.63               | 0.63               | 0.72               |
|                  |                    | PI                     | 0.48               | 0.48               | 0.48               | 0.48               | 0.48               | 0.51               | 0.51               | 0.51               | 0.51               | 0.51               | 0.54               | 0.54               | 0.54               | 0.54               | 0.54               | 0.58               | 0.58               | 0.58               | 0.58               | 0.58               |
|                  | 17°F<br>(-8.3°C)   | TC                     | 14642              | 14661              | 14677              | 14678              | 14698              | 15524              | 15543              | 15558              | 15561              | 15579              | 16452              | 16473              | 16491              | 16494              | 16513              | 17443              | 17462              | 17481              | 17484              | 17505              |
|                  |                    | S/T                    | 0.40               | 0.47               | 0.53               | 0.53               | 0.61               | 0.42               | 0.50               | 0.57               | 0.57               | 0.65               | 0.45               | 0.53               | 0.60               | 0.60               | 0.68               | 0.48               | 0.56               | 0.64               | 0.64               | 0.73               |
|                  |                    | PI                     | 0.44               | 0.44               | 0.44               | 0.44               | 0.44               | 0.47               | 0.47               | 0.47               | 0.47               | 0.47               | 0.49               | 0.49               | 0.49               | 0.49               | 0.49               | 0.52               | 0.52               | 0.52               | 0.52               | 0.52               |
|                  | 23°F<br>(-5.0°C)   | TC                     | 14795              | 14815              | 14831              | 14832              | 14852              | 15687              | 15705              | 15721              | 15724              | 15743              | 16624              | 16645              | 16664              | 16667              | 16686              | 17625              | 17645              | 17664              | 17667              | 17689              |
|                  |                    | S/T                    | 0.40               | 0.47               | 0.54               | 0.54               | 0.61               | 0.43               | 0.50               | 0.57               | 0.57               | 0.65               | 0.45               | 0.53               | 0.60               | 0.60               | 0.69               | 0.48               | 0.56               | 0.64               | 0.64               | 0.73               |
|                  |                    | PI                     | 0.48               | 0.48               | 0.48               | 0.48               | 0.48               | 0.51               | 0.51               | 0.51               | 0.51               | 0.51               | 0.54               | 0.54               | 0.54               | 0.54               | 0.54               | 0.57               | 0.57               | 0.58               | 0.58               | 0.58               |
|                  | 35°F<br>(1.7°C)    | TC                     | 15102              | 15122              | 15138              | 15139              | 15159              | 16012              | 16031              | 16046              | 16050              | 16069              | 16968              | 16990              | 17009              | 17012              | 17031              | 17991              | 18010              | 18030              | 18033              | 18055              |
|                  |                    | S/T                    | 0.40               | 0.47               | 0.54               | 0.54               | 0.62               | 0.43               | 0.50               | 0.57               | 0.57               | 0.65               | 0.45               | 0.53               | 0.61               | 0.61               | 0.69               | 0.48               | 0.57               | 0.64               | 0.64               | 0.73               |
|                  |                    | PI                     | 0.57               | 0.57               | 0.57               | 0.57               | 0.57               | 0.60               | 0.60               | 0.60               | 0.60               | 0.60               | 0.64               | 0.64               | 0.64               | 0.64               | 0.64               | 0.68               | 0.68               | 0.68               | 0.68               | 0.68               |
|                  | 41°F<br>(5.0°C)    | TC                     | 14920              | 14940              | 14956              | 14957              | 14977              | 15819              | 15838              | 15854              | 15857              | 15876              | 16764              | 16786              | 16805              | 16808              | 16827              | 17775              | 17794              | 17813              | 17816              | 17838              |
|                  |                    | S/T                    | 0.41               | 0.48               | 0.54               | 0.54               | 0.62               | 0.43               | 0.50               | 0.57               | 0.57               | 0.65               | 0.46               | 0.53               | 0.61               | 0.61               | 0.69               | 0.48               | 0.57               | 0.64               | 0.64               | 0.73               |
|                  |                    | PI                     | 0.61               | 0.61               | 0.62               | 0.62               | 0.62               | 0.65               | 0.65               | 0.65               | 0.65               | 0.65               | 0.69               | 0.69               | 0.69               | 0.69               | 0.69               | 0.73               | 0.73               | 0.73               | 0.73               | 0.73               |
|                  | 47°F<br>(8.3°C)    | TC                     | 14739              | 14759              | 14774              | 14775              | 14795              | 15627              | 15645              | 15661              | 15664              | 15683              | 16561              | 16582              | 16601              | 16604              | 16622              | 17558              | 17577              | 17597              | 17599              | 17621              |
|                  |                    | S/T                    | 0.41               | 0.48               | 0.54               | 0.54               | 0.62               | 0.43               | 0.51               | 0.57               | 0.57               | 0.66               | 0.46               | 0.54               | 0.61               | 0.61               | 0.69               | 0.48               | 0.57               | 0.65               | 0.65               | 0.74               |
|                  |                    | PI                     | 0.66               | 0.66               | 0.66               | 0.66               | 0.66               | 0.70               | 0.70               | 0.70               | 0.70               | 0.70               | 0.74               | 0.74               | 0.74               | 0.74               | 0.74               | 0.79               | 0.79               | 0.79               | 0.79               | 0.79               |
|                  | 50°F<br>(10.0°C)   | TC                     | 14908              | 14928              | 14945              | 14945              | 14965              | 15807              | 15826              | 15841              | 15844              | 15863              | 16751              | 16773              | 16792              | 16795              | 16814              | 17761              | 17780              | 17799              | 17802              | 17824              |
|                  |                    | S/T                    | 0.41               | 0.48               | 0.54               | 0.54               | 0.62               | 0.43               | 0.51               | 0.58               | 0.58               | 0.66               | 0.46               | 0.54               | 0.61               | 0.61               | 0.70               | 0.49               | 0.57               | 0.65               | 0.65               | 0.74               |
|                  |                    | PI                     | 0.68               | 0.68               | 0.68               | 0.68               | 0.68               | 0.72               | 0.72               | 0.72               | 0.72               | 0.72               | 0.76               | 0.76               | 0.77               | 0.77               | 0.77               | 0.81               | 0.81               | 0.81               | 0.81               | 0.81               |
|                  | 59°F<br>(15.0°C)   | TC                     | 15417              | 15438              | 15455              | 15455              | 15476              | 16347              | 16366              | 16382              | 16385              | 16405              | 17323              | 17346              | 17365              | 17368              | 17388              | 18367              | 18387              | 18407              | 18410              | 18433              |
|                  |                    | S/T                    | 0.41               | 0.48               | 0.55               | 0.55               | 0.62               | 0.44               | 0.51               | 0.58               | 0.58               | 0.66               | 0.46               | 0.54               | 0.62               | 0.62               | 0.70               | 0.49               | 0.57               | 0.65               | 0.65               | 0.74               |
|                  |                    | PI                     | 0.74               | 0.74               | 0.74               | 0.74               | 0.74               | 0.78               | 0.78               | 0.78               | 0.78               | 0.78               | 0.83               | 0.83               | 0.83               | 0.83               | 0.83               | 0.88               | 0.88               | 0.88               | 0.88               | 0.88               |
|                  | 68°F<br>(20.0°C)   | TC                     | 15926              | 15948              | 15965              | 15966              | 15987              | 16886              | 16906              | 16923              | 16926              | 16946              | 17895              | 17918              | 17938              | 17942              | 17962              | 18973              | 18994              | 19015              | 19018              | 19041              |
|                  |                    | S/T                    | 0.42               | 0.49               | 0.56               | 0.56               | 0.64               | 0.45               | 0.52               | 0.60               | 0.60               | 0.68               | 0.47               | 0.56               | 0.63               | 0.63               | 0.72               | 0.50               | 0.59               | 0.67               | 0.67               | 0.76               |
|                  |                    | PI                     | 0.79               | 0.79               | 0.79               | 0.79               | 0.79               | 0.84               | 0.84               | 0.84               | 0.84               | 0.84               | 0.89               | 0.89               | 0.89               | 0.89               | 0.89               | 0.94               | 0.94               | 0.95               | 0.95               | 0.95               |
|                  | 77°F<br>(25.0°C)   | TC                     | 16435              | 16458              | 16475              | 16476              | 16498              | 17426              | 17447              | 17464              | 17467              | 17488              | 18467              | 18491              | 18512              | 18515              | 18536              | 19580              | 19601              | 19622              | 19625              | 19650              |
|                  |                    | S/T                    | 0.43               | 0.50               | 0.57               | 0.57               | 0.65               | 0.45               | 0.53               | 0.60               | 0.60               | 0.69               | 0.48               | 0.56               | 0.64               | 0.64               | 0.73               | 0.51               | 0.60               | 0.68               | 0.68               | 0.77               |
|                  |                    | PI                     | 0.85               | 0.85               | 0.85               | 0.85               | 0.85               | 0.90               | 0.90               | 0.90               | 0.90               | 0.90               | 0.95               | 0.95               | 0.95               | 0.95               | 0.96               | 1.01               | 1.01               | 1.01               | 1.01               | 1.01               |
|                  | 82°F<br>(27.8°C)   | TC                     | 16249              | 16271              | 16288              | 16289              | 16311              | 17228              | 17249              | 17266              | 17269              | 17290              | 18258              | 18281              | 18302              | 18305              | 18326              | 19358              | 19379              | 19400              | 19403              | 19427              |
|                  |                    | S/T                    | 0.43               | 0.51               | 0.58               | 0.58               | 0.66               | 0.46               | 0.54               | 0.61               | 0.61               | 0.70               | 0.49               | 0.57               | 0.65               | 0.65               | 0.74               | 0.52               | 0.60               | 0.69               | 0.69               | 0.78               |
|                  |                    | PI                     | 0.92               | 0.92               | 0.92               | 0.92               | 0.92               | 0.97               | 0.97               | 0.97               | 0.97               | 0.97               | 1.03               | 1.03               | 1.03               | 1.03               | 1.03               | 1.09               | 1.09               | 1.09               | 1.09               | 1.09               |
|                  | 86°F<br>(30.0°C)   | TC                     | 15508              | 15529              | 15546              | 15546              | 15567              | 16443              | 16462              | 16478              | 16482              | 16501              | 17425              | 17448              | 17467              | 17470              | 17490              | 18475              | 18495              | 18515              | 18518              | 18541              |
|                  |                    | S/T                    | 0.44               | 0.51               | 0.58               | 0.58               | 0.67               | 0.46               | 0.54               | 0.62               | 0.62               | 0.71               | 0.49               | 0.58               | 0.66               | 0.66               | 0.75               | 0.52               | 0.61               | 0.70               | 0.70               | 0.79               |
|                  |                    | PI                     | 1.01               | 1.02               | 1.02               | 1.02               | 1.02               | 1.08               | 1.08               | 1.08               | 1.08               | 1.08               | 1.14               | 1.14               | 1.14               | 1.14               | 1.14               | 1.21               | 1.21               | 1.21               | 1.21               | 1.21               |
|                  | 95°F<br>(35.0°C)   | TC                     |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |

## COOLING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 18 (Sheet 3 of 4)

| AIRFLOW<br>(CFM) | OUTDOOR<br>DB(°F)  | ID WB(°F)<br>ID DB(°F) | 60.8°F(16.0°C)     |                    |                    |                    |                    | 64.4°F(18.0°C)     |                    |                    |                    |                    | 67°F(19.4°C)       |                    |                    |                    |                    | 71.6°F(22.0°C)     |                    |                    |                    |                    |
|------------------|--------------------|------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                  |                    |                        | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) |
| 547              | -22°F<br>(-30.0°C) | TC                     | 12095              | 12112              | 12125              | 12125              | 12141              | 12824              | 12839              | 12852              | 12855              | 12870              | 13590              | 13608              | 13623              | 13626              | 13641              | 14409              | 14425              | 14441              | 14443              | 14461              |
|                  |                    | S/T                    | 0.43               | 0.51               | 0.57               | 0.57               | 0.66               | 0.46               | 0.54               | 0.61               | 0.61               | 0.69               | 0.48               | 0.57               | 0.65               | 0.65               | 0.74               | 0.51               | 0.60               | 0.68               | 0.68               | 0.78               |
|                  |                    | PI                     | 0.54               | 0.54               | 0.54               | 0.54               | 0.54               | 0.58               | 0.58               | 0.58               | 0.58               | 0.58               | 0.61               | 0.61               | 0.61               | 0.61               | 0.61               | 0.65               | 0.65               | 0.65               | 0.65               | 0.65               |
|                  | -13°F<br>(-25.0°C) | TC                     | 12484              | 12501              | 12515              | 12515              | 12532              | 13237              | 13252              | 13266              | 13268              | 13284              | 14028              | 14046              | 14061              | 14064              | 14080              | 14873              | 14889              | 14905              | 14907              | 14926              |
|                  |                    | S/T                    | 0.43               | 0.51               | 0.58               | 0.58               | 0.66               | 0.46               | 0.54               | 0.61               | 0.61               | 0.70               | 0.49               | 0.57               | 0.65               | 0.65               | 0.74               | 0.52               | 0.61               | 0.69               | 0.69               | 0.79               |
|                  |                    | PI                     | 0.52               | 0.52               | 0.52               | 0.52               | 0.53               | 0.55               | 0.56               | 0.56               | 0.56               | 0.56               | 0.59               | 0.59               | 0.59               | 0.59               | 0.59               | 0.62               | 0.62               | 0.62               | 0.62               | 0.63               |
|                  | -4°F<br>(-20.0°C)  | TC                     | 13802              | 13820              | 13835              | 13836              | 13854              | 14633              | 14651              | 14665              | 14668              | 14686              | 15508              | 15528              | 15545              | 15548              | 15565              | 16442              | 16460              | 16478              | 16480              | 16501              |
|                  |                    | S/T                    | 0.44               | 0.51               | 0.58               | 0.58               | 0.66               | 0.46               | 0.54               | 0.62               | 0.62               | 0.70               | 0.49               | 0.58               | 0.65               | 0.65               | 0.75               | 0.52               | 0.61               | 0.69               | 0.69               | 0.79               |
|                  |                    | PI                     | 0.60               | 0.60               | 0.60               | 0.60               | 0.60               | 0.64               | 0.64               | 0.64               | 0.64               | 0.64               | 0.68               | 0.68               | 0.68               | 0.68               | 0.68               | 0.72               | 0.72               | 0.72               | 0.72               | 0.72               |
|                  | 0°F<br>(-17.8°C)   | TC                     | 14387              | 14407              | 14422              | 14423              | 14442              | 15254              | 15272              | 15287              | 15290              | 15309              | 16166              | 16187              | 16205              | 16208              | 16226              | 17140              | 17158              | 17177              | 17180              | 17201              |
|                  |                    | S/T                    | 0.44               | 0.51               | 0.58               | 0.58               | 0.67               | 0.46               | 0.54               | 0.62               | 0.62               | 0.71               | 0.49               | 0.58               | 0.66               | 0.66               | 0.75               | 0.52               | 0.61               | 0.70               | 0.70               | 0.79               |
|                  |                    | PI                     | 0.64               | 0.64               | 0.64               | 0.64               | 0.64               | 0.67               | 0.67               | 0.68               | 0.68               | 0.68               | 0.71               | 0.71               | 0.71               | 0.72               | 0.72               | 0.76               | 0.76               | 0.76               | 0.76               | 0.76               |
|                  | 5°F<br>(-15.0°C)   | TC                     | 15119              | 15139              | 15156              | 15156              | 15177              | 16030              | 16049              | 16065              | 16068              | 16087              | 16988              | 17010              | 17029              | 17032              | 17051              | 18011              | 18031              | 18051              | 18053              | 18076              |
|                  |                    | S/T                    | 0.44               | 0.52               | 0.59               | 0.59               | 0.67               | 0.47               | 0.55               | 0.62               | 0.62               | 0.71               | 0.49               | 0.58               | 0.66               | 0.66               | 0.75               | 0.52               | 0.61               | 0.70               | 0.70               | 0.80               |
|                  |                    | PI                     | 0.68               | 0.68               | 0.68               | 0.68               | 0.68               | 0.72               | 0.72               | 0.72               | 0.72               | 0.72               | 0.76               | 0.76               | 0.76               | 0.76               | 0.77               | 0.81               | 0.81               | 0.81               | 0.81               | 0.81               |
|                  | 14°F<br>(-10.0°C)  | TC                     | 15903              | 15925              | 15942              | 15942              | 15964              | 16862              | 16882              | 16898              | 16902              | 16922              | 17869              | 17892              | 17912              | 17915              | 17935              | 18946              | 18966              | 18987              | 18990              | 19013              |
|                  |                    | S/T                    | 0.44               | 0.52               | 0.59               | 0.59               | 0.67               | 0.47               | 0.55               | 0.62               | 0.62               | 0.71               | 0.50               | 0.58               | 0.66               | 0.66               | 0.75               | 0.53               | 0.62               | 0.70               | 0.70               | 0.80               |
|                  |                    | PI                     | 0.53               | 0.53               | 0.53               | 0.53               | 0.53               | 0.57               | 0.57               | 0.57               | 0.57               | 0.57               | 0.60               | 0.60               | 0.60               | 0.60               | 0.60               | 0.63               | 0.64               | 0.64               | 0.64               | 0.64               |
|                  | 17°F<br>(-8.3°C)   | TC                     | 16165              | 16186              | 16204              | 16204              | 16226              | 17139              | 17159              | 17176              | 17179              | 17200              | 18163              | 18186              | 18207              | 18210              | 18230              | 19257              | 19278              | 19299              | 19302              | 19326              |
|                  |                    | S/T                    | 0.44               | 0.52               | 0.59               | 0.59               | 0.67               | 0.47               | 0.55               | 0.63               | 0.63               | 0.71               | 0.50               | 0.58               | 0.66               | 0.66               | 0.76               | 0.53               | 0.62               | 0.70               | 0.70               | 0.80               |
|                  |                    | PI                     | 0.48               | 0.49               | 0.49               | 0.49               | 0.49               | 0.51               | 0.51               | 0.51               | 0.51               | 0.52               | 0.54               | 0.54               | 0.55               | 0.55               | 0.55               | 0.58               | 0.58               | 0.58               | 0.58               | 0.58               |
|                  | 23°F<br>(-5.0°C)   | TC                     | 16334              | 16356              | 16373              | 16374              | 16396              | 17318              | 17339              | 17356              | 17359              | 17380              | 18353              | 18377              | 18397              | 18401              | 18421              | 19459              | 19480              | 19501              | 19504              | 19528              |
|                  |                    | S/T                    | 0.44               | 0.52               | 0.59               | 0.59               | 0.68               | 0.47               | 0.55               | 0.63               | 0.63               | 0.72               | 0.50               | 0.59               | 0.67               | 0.67               | 0.76               | 0.53               | 0.62               | 0.71               | 0.71               | 0.80               |
|                  |                    | PI                     | 0.53               | 0.53               | 0.53               | 0.53               | 0.53               | 0.56               | 0.56               | 0.57               | 0.57               | 0.57               | 0.60               | 0.60               | 0.60               | 0.60               | 0.60               | 0.63               | 0.63               | 0.63               | 0.63               | 0.64               |
|                  | 35°F<br>(1.7°C)    | TC                     | 16672              | 16695              | 16713              | 16713              | 16736              | 17677              | 17698              | 17715              | 17719              | 17740              | 18733              | 18757              | 18778              | 18782              | 18803              | 19862              | 19883              | 19905              | 19908              | 19933              |
|                  |                    | S/T                    | 0.45               | 0.52               | 0.60               | 0.60               | 0.68               | 0.47               | 0.56               | 0.63               | 0.63               | 0.72               | 0.50               | 0.59               | 0.67               | 0.67               | 0.76               | 0.53               | 0.62               | 0.71               | 0.71               | 0.81               |
|                  |                    | PI                     | 0.63               | 0.63               | 0.63               | 0.63               | 0.63               | 0.66               | 0.66               | 0.67               | 0.67               | 0.67               | 0.70               | 0.70               | 0.71               | 0.71               | 0.71               | 0.75               | 0.75               | 0.75               | 0.75               | 0.75               |
|                  | 41°F<br>(5.0°C)    | TC                     | 16472              | 16494              | 16512              | 16513              | 16535              | 17465              | 17485              | 17503              | 17506              | 17527              | 18508              | 18532              | 18553              | 18556              | 18577              | 19623              | 19644              | 19666              | 19669              | 19693              |
|                  |                    | S/T                    | 0.45               | 0.53               | 0.60               | 0.60               | 0.68               | 0.47               | 0.56               | 0.63               | 0.63               | 0.72               | 0.50               | 0.59               | 0.67               | 0.67               | 0.76               | 0.53               | 0.63               | 0.71               | 0.71               | 0.81               |
|                  |                    | PI                     | 0.68               | 0.68               | 0.68               | 0.68               | 0.68               | 0.72               | 0.72               | 0.72               | 0.72               | 0.72               | 0.76               | 0.76               | 0.76               | 0.76               | 0.76               | 0.81               | 0.81               | 0.81               | 0.81               | 0.81               |
|                  | 47°F<br>(8.3°C)    | TC                     | 16272              | 16293              | 16311              | 16312              | 16334              | 17252              | 17273              | 17290              | 17293              | 17314              | 18283              | 18307              | 18327              | 18330              | 18351              | 19385              | 19406              | 19427              | 19430              | 19454              |
|                  |                    | S/T                    | 0.45               | 0.53               | 0.60               | 0.60               | 0.68               | 0.48               | 0.56               | 0.63               | 0.63               | 0.72               | 0.50               | 0.59               | 0.67               | 0.67               | 0.77               | 0.53               | 0.63               | 0.71               | 0.71               | 0.81               |
|                  |                    | PI                     | 0.73               | 0.73               | 0.73               | 0.73               | 0.73               | 0.77               | 0.77               | 0.77               | 0.77               | 0.78               | 0.82               | 0.82               | 0.82               | 0.82               | 0.82               | 0.87               | 0.87               | 0.87               | 0.87               | 0.87               |
|                  | 50°F<br>(10.0°C)   | TC                     | 16459              | 16481              | 16499              | 16500              | 16522              | 17451              | 17471              | 17489              | 17492              | 17513              | 18493              | 18517              | 18538              | 18542              | 18562              | 19608              | 19629              | 19650              | 19653              | 19678              |
|                  |                    | S/T                    | 0.45               | 0.53               | 0.60               | 0.60               | 0.69               | 0.48               | 0.56               | 0.64               | 0.64               | 0.73               | 0.51               | 0.59               | 0.68               | 0.68               | 0.77               | 0.54               | 0.63               | 0.72               | 0.72               | 0.82               |
|                  |                    | PI                     | 0.75               | 0.75               | 0.75               | 0.75               | 0.75               | 0.80               | 0.80               | 0.80               | 0.80               | 0.80               | 0.84               | 0.84               | 0.84               | 0.84               | 0.85               | 0.89               | 0.89               | 0.90               | 0.90               | 0.90               |
|                  | 59°F<br>(15.0°C)   | TC                     | 17021              | 17044              | 17062              | 17063              | 17086              | 18047              | 18068              | 18086              | 18089              | 18111              | 19125              | 19150              | 19171              | 19175              | 19196              | 20277              | 20299              | 20321              | 20324              | 20350              |
|                  |                    | S/T                    | 0.45               | 0.53               | 0.60               | 0.60               | 0.69               | 0.48               | 0.56               | 0.64               | 0.64               | 0.73               | 0.51               | 0.60               | 0.68               | 0.68               | 0.77               | 0.54               | 0.63               | 0.72               | 0.72               | 0.82               |
|                  |                    | PI                     | 0.81               | 0.81               | 0.81               | 0.81               | 0.81               | 0.86               | 0.86               | 0.86               | 0.86               | 0.86               | 0.91               | 0.91               | 0.91               | 0.91               | 0.92               | 0.97               | 0.97               | 0.97               | 0.97               | 0.97               |
|                  | 68°F<br>(20.0°C)   | TC                     | 17583              | 17606              | 17625              | 17626              | 17650              | 18642              | 18665              | 18683              | 18687              | 18709              | 19756              | 19782              | 19804              | 19808              | 19830              | 20947              | 20969              | 20992              | 20995              | 21022              |
|                  |                    | S/T                    | 0.47               | 0.55               | 0.62               | 0.62               | 0.71               | 0.49               | 0.58               | 0.66               | 0.66               | 0.75               | 0.52               | 0.61               | 0.70               | 0.70               | 0.80               | 0.55               | 0.65               | 0.74               | 0.74               | 0.84               |
|                  |                    | PI                     | 0.87               | 0.88               | 0.88               | 0.88               | 0.88               | 0.93               | 0.93               | 0.93               | 0.93               | 0.93               | 0.98               | 0.98               | 0.98               | 0.98               | 0.98               | 1.04               | 1.04               | 1.04               | 1.04               | 1.04               |
|                  | 77°F<br>(25.0°C)   | TC                     | 18145              | 18169              | 18189              | 18190              | 18214              | 19238              | 19261              | 19280              | 19284              | 19307              | 20388              | 20414              | 20437              | 20441              | 20464              | 21616              | 21640              | 21663              | 21666              | 21693              |
|                  |                    | S/T                    | 0.47               | 0.55               | 0.63               | 0.63               | 0.72               | 0.50               | 0.59               | 0.67               | 0.67               | 0.76               | 0.53               | 0.62               | 0.71               | 0.71               | 0.81               | 0.56               | 0.66               | 0.75               | 0.75               | 0.85               |
|                  |                    | PI                     | 0.94               | 0.94               | 0.94               | 0.94               | 0.94               | 0.99               | 0.99               | 0.99               | 0.99               | 1.00               | 1.05               | 1.05               | 1.05               | 1.05               | 1.06               | 1.11               | 1.12               | 1.12               | 1.12               | 1.12               |
|                  | 82°F<br>(27.8°C)   | TC                     | 17939              | 17963              | 17983              | 17983              | 18008              | 19020              | 19043              | 19061              | 19065              | 19088              | 20156              | 20183              | 20205              | 20209              | 20231              | 21371              | 21394              | 21417              | 21421              | 21447              |
|                  |                    | S/T                    | 0.48               | 0.56               | 0.64               | 0.64               | 0.73               | 0.51               | 0.59               | 0.68               | 0.68               | 0.77               | 0.54               | 0.63               | 0.72               | 0.72               | 0.82               | 0.57               | 0.67               | 0.76               | 0.76               | 0.86               |
|                  |                    | PI                     | 1.01               | 1.01               | 1.01               | 1.01               | 1.01               | 1.07               | 1.07               | 1.07               | 1.07               | 1.07               | 1.14               | 1.14               | 1.14               | 1.14               | 1.14               | 1.20               | 1.20               | 1.21               | 1.21               | 1.21               |
|                  | 86°F<br>(30.0°C)   | TC                     | 17121              | 17144              | 17162              | 17163              | 17186              | 18153              | 18174              | 18192              | 18196              | 18217              | 19237              | 19262              | 19284              | 19287              | 19309              | 20396              | 20418              | 20441              | 20444              | 20469              |
|                  |                    | S/T                    | 0.48               | 0.57               | 0.64               | 0.64               | 0.74               | 0.51               | 0.60               | 0.68               | 0.68               | 0.78               | 0.54               | 0.64               | 0.72               | 0.72               | 0.83               | 0.58               | 0.68               | 0.77               | 0.77               | 0.88               |
|                  |                    | PI                     | 1.12               | 1.12               | 1.12               | 1.12               | 1.12               | 1.19               | 1.19               | 1.19               | 1.19               | 1.19               | 1.26               | 1.26               | 1.26               | 1.26               | 1.26               | 1.33               | 1.34               | 1.34               | 1.34               | 1.34               |
|                  | 95°F<br>(35.0°C)   | TC                     |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |

COOLING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 18 (Sheet 4 of 4)

| AIRFLOW<br>(CFM) | OUTDOOR<br>DB(°F)  | ID WB(°F)<br>ID DB(°F) | 60.8°F(16.0°C)     |                    |                    |                    |                    | 64.4°F(18.0°C)     |                    |                    |                    |                    | 67°F(19.4°C)       |                    |                    |                    |                    | 71.6°F(22.0°C)     |                    |                    |                    |                    |
|------------------|--------------------|------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                  |                    |                        | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) |
| 576              | -22°F<br>(-30.0°C) | TC                     | 13353              | 13371              | 13386              | 13386              | 13404              | 14158              | 14175              | 14189              | 14191              | 14208              | 15004              | 15023              | 15040              | 15043              | 15060              | 15908              | 15925              | 15942              | 15945              | 15965              |
|                  |                    | S/T                    | 0.48               | 0.56               | 0.63               | 0.63               | 0.72               | 0.50               | 0.59               | 0.67               | 0.67               | 0.77               | 0.53               | 0.63               | 0.71               | 0.71               | 0.81               | 0.57               | 0.67               | 0.76               | 0.76               | 0.86               |
|                  |                    | PI                     | 0.60               | 0.60               | 0.60               | 0.60               | 0.60               | 0.64               | 0.64               | 0.64               | 0.64               | 0.64               | 0.67               | 0.67               | 0.68               | 0.68               | 0.68               | 0.71               | 0.71               | 0.72               | 0.72               | 0.72               |
|                  | -13°F<br>(-25.0°C) | TC                     | 13783              | 13801              | 13816              | 13817              | 13835              | 14613              | 14631              | 14645              | 14648              | 14665              | 15487              | 15507              | 15524              | 15527              | 15544              | 16420              | 16437              | 16455              | 16458              | 16478              |
|                  |                    | S/T                    | 0.48               | 0.56               | 0.64               | 0.64               | 0.73               | 0.51               | 0.60               | 0.68               | 0.68               | 0.77               | 0.54               | 0.63               | 0.72               | 0.72               | 0.82               | 0.57               | 0.67               | 0.76               | 0.76               | 0.87               |
|                  |                    | PI                     | 0.58               | 0.58               | 0.58               | 0.58               | 0.58               | 0.61               | 0.61               | 0.61               | 0.61               | 0.61               | 0.65               | 0.65               | 0.65               | 0.65               | 0.65               | 0.69               | 0.69               | 0.69               | 0.69               | 0.69               |
|                  | -4°F<br>(-20.0°C)  | TC                     | 15237              | 15258              | 15274              | 15275              | 15295              | 16155              | 16175              | 16191              | 16194              | 16213              | 17121              | 17143              | 17162              | 17165              | 17184              | 18152              | 18172              | 18192              | 18195              | 18217              |
|                  |                    | S/T                    | 0.48               | 0.57               | 0.64               | 0.64               | 0.73               | 0.51               | 0.60               | 0.68               | 0.68               | 0.78               | 0.54               | 0.64               | 0.72               | 0.72               | 0.82               | 0.57               | 0.67               | 0.77               | 0.77               | 0.87               |
|                  |                    | PI                     | 0.66               | 0.66               | 0.66               | 0.66               | 0.67               | 0.70               | 0.70               | 0.70               | 0.70               | 0.71               | 0.75               | 0.75               | 0.75               | 0.75               | 0.75               | 0.79               | 0.79               | 0.79               | 0.79               | 0.79               |
|                  | 0°F<br>(-17.8°C)   | TC                     | 15884              | 15905              | 15922              | 15923              | 15944              | 16841              | 16861              | 16877              | 16881              | 16901              | 17847              | 17870              | 17890              | 17893              | 17913              | 18922              | 18943              | 18963              | 18966              | 18990              |
|                  |                    | S/T                    | 0.48               | 0.57               | 0.64               | 0.64               | 0.73               | 0.51               | 0.60               | 0.68               | 0.68               | 0.78               | 0.54               | 0.64               | 0.72               | 0.72               | 0.83               | 0.58               | 0.68               | 0.77               | 0.77               | 0.88               |
|                  |                    | PI                     | 0.70               | 0.70               | 0.70               | 0.70               | 0.70               | 0.74               | 0.74               | 0.75               | 0.75               | 0.75               | 0.79               | 0.79               | 0.79               | 0.79               | 0.79               | 0.84               | 0.84               | 0.84               | 0.84               | 0.84               |
|                  | 5°F<br>(-15.0°C)   | TC                     | 16691              | 16714              | 16732              | 16733              | 16755              | 17697              | 17718              | 17736              | 17739              | 17760              | 18755              | 18779              | 18800              | 18803              | 18824              | 19885              | 19906              | 19928              | 19931              | 19956              |
|                  |                    | S/T                    | 0.49               | 0.57               | 0.65               | 0.65               | 0.74               | 0.51               | 0.60               | 0.69               | 0.69               | 0.78               | 0.55               | 0.64               | 0.73               | 0.73               | 0.83               | 0.58               | 0.68               | 0.77               | 0.77               | 0.88               |
|                  |                    | PI                     | 0.75               | 0.75               | 0.75               | 0.75               | 0.75               | 0.79               | 0.80               | 0.80               | 0.80               | 0.80               | 0.84               | 0.84               | 0.84               | 0.84               | 0.84               | 0.89               | 0.89               | 0.89               | 0.89               | 0.90               |
|                  | 14°F<br>(-10.0°C)  | TC                     | 17557              | 17581              | 17600              | 17601              | 17624              | 18615              | 18637              | 18656              | 18659              | 18682              | 19727              | 19753              | 19775              | 19779              | 19801              | 20916              | 20939              | 20962              | 20965              | 20991              |
|                  |                    | S/T                    | 0.49               | 0.57               | 0.65               | 0.65               | 0.74               | 0.52               | 0.61               | 0.69               | 0.69               | 0.78               | 0.55               | 0.64               | 0.73               | 0.73               | 0.83               | 0.58               | 0.68               | 0.77               | 0.77               | 0.88               |
|                  |                    | PI                     | 0.59               | 0.59               | 0.59               | 0.59               | 0.59               | 0.62               | 0.62               | 0.63               | 0.63               | 0.63               | 0.66               | 0.66               | 0.66               | 0.66               | 0.66               | 0.70               | 0.70               | 0.70               | 0.70               | 0.70               |
|                  | 17°F<br>(-8.3°C)   | TC                     | 17846              | 17870              | 17889              | 17890              | 17914              | 18921              | 18944              | 18962              | 18966              | 18989              | 20052              | 20078              | 20100              | 20104              | 20126              | 21260              | 21283              | 21306              | 21309              | 21336              |
|                  |                    | S/T                    | 0.49               | 0.57               | 0.65               | 0.65               | 0.74               | 0.52               | 0.61               | 0.69               | 0.69               | 0.79               | 0.55               | 0.64               | 0.73               | 0.73               | 0.83               | 0.58               | 0.68               | 0.78               | 0.78               | 0.88               |
|                  |                    | PI                     | 0.53               | 0.54               | 0.54               | 0.54               | 0.54               | 0.57               | 0.57               | 0.57               | 0.57               | 0.57               | 0.60               | 0.60               | 0.60               | 0.60               | 0.60               | 0.64               | 0.64               | 0.64               | 0.64               | 0.64               |
|                  | 23°F<br>(-5.0°C)   | TC                     | 18033              | 18057              | 18076              | 18077              | 18101              | 19119              | 19142              | 19161              | 19165              | 19187              | 20262              | 20288              | 20310              | 20314              | 20337              | 21482              | 21506              | 21529              | 21532              | 21559              |
|                  |                    | S/T                    | 0.49               | 0.58               | 0.65               | 0.65               | 0.75               | 0.52               | 0.61               | 0.69               | 0.69               | 0.79               | 0.55               | 0.65               | 0.74               | 0.74               | 0.84               | 0.58               | 0.69               | 0.78               | 0.78               | 0.89               |
|                  |                    | PI                     | 0.59               | 0.59               | 0.59               | 0.59               | 0.59               | 0.62               | 0.62               | 0.62               | 0.62               | 0.62               | 0.66               | 0.66               | 0.66               | 0.66               | 0.66               | 0.70               | 0.70               | 0.70               | 0.70               | 0.70               |
|                  | 35°F<br>(1.7°C)    | TC                     | 18406              | 18431              | 18451              | 18452              | 18477              | 19515              | 19539              | 19558              | 19562              | 19585              | 20681              | 20708              | 20731              | 20735              | 20758              | 21927              | 21951              | 21975              | 21979              | 22006              |
|                  |                    | S/T                    | 0.49               | 0.58               | 0.66               | 0.66               | 0.75               | 0.52               | 0.61               | 0.70               | 0.70               | 0.79               | 0.55               | 0.65               | 0.74               | 0.74               | 0.84               | 0.59               | 0.69               | 0.78               | 0.78               | 0.89               |
|                  |                    | PI                     | 0.69               | 0.69               | 0.69               | 0.69               | 0.69               | 0.73               | 0.73               | 0.73               | 0.74               | 0.74               | 0.78               | 0.78               | 0.78               | 0.78               | 0.78               | 0.82               | 0.82               | 0.83               | 0.83               | 0.83               |
|                  | 41°F<br>(5.0°C)    | TC                     | 18185              | 18210              | 18229              | 18230              | 18255              | 19281              | 19304              | 19323              | 19327              | 19350              | 20433              | 20459              | 20482              | 20486              | 20509              | 21664              | 21688              | 21711              | 21715              | 21742              |
|                  |                    | S/T                    | 0.49               | 0.58               | 0.66               | 0.66               | 0.75               | 0.52               | 0.61               | 0.70               | 0.70               | 0.80               | 0.56               | 0.65               | 0.74               | 0.74               | 0.84               | 0.59               | 0.69               | 0.78               | 0.78               | 0.89               |
|                  |                    | PI                     | 0.75               | 0.75               | 0.75               | 0.75               | 0.75               | 0.79               | 0.79               | 0.80               | 0.80               | 0.80               | 0.84               | 0.84               | 0.84               | 0.84               | 0.84               | 0.89               | 0.89               | 0.89               | 0.89               | 0.89               |
|                  | 47°F<br>(8.3°C)    | TC                     | 17964              | 17988              | 18007              | 18008              | 18033              | 19046              | 19069              | 19088              | 19092              | 19114              | 20184              | 20211              | 20233              | 20237              | 20260              | 21401              | 21424              | 21447              | 21450              | 21477              |
|                  |                    | S/T                    | 0.50               | 0.58               | 0.66               | 0.66               | 0.75               | 0.53               | 0.62               | 0.70               | 0.70               | 0.80               | 0.56               | 0.65               | 0.74               | 0.74               | 0.85               | 0.59               | 0.69               | 0.79               | 0.79               | 0.90               |
|                  |                    | PI                     | 0.81               | 0.81               | 0.81               | 0.81               | 0.81               | 0.85               | 0.85               | 0.86               | 0.86               | 0.86               | 0.90               | 0.91               | 0.91               | 0.91               | 0.91               | 0.96               | 0.96               | 0.96               | 0.96               | 0.96               |
|                  | 50°F<br>(10.0°C)   | TC                     | 18171              | 18195              | 18215              | 18216              | 18240              | 19266              | 19289              | 19308              | 19311              | 19334              | 20417              | 20443              | 20466              | 20470              | 20493              | 21647              | 21670              | 21694              | 21697              | 21724              |
|                  |                    | S/T                    | 0.50               | 0.58               | 0.66               | 0.66               | 0.76               | 0.53               | 0.62               | 0.70               | 0.70               | 0.80               | 0.56               | 0.66               | 0.75               | 0.75               | 0.85               | 0.59               | 0.70               | 0.79               | 0.79               | 0.90               |
|                  |                    | PI                     | 0.83               | 0.83               | 0.83               | 0.83               | 0.83               | 0.88               | 0.88               | 0.88               | 0.88               | 0.88               | 0.93               | 0.93               | 0.93               | 0.93               | 0.93               | 0.99               | 0.99               | 0.99               | 0.99               | 0.99               |
|                  | 59°F<br>(15.0°C)   | TC                     | 18791              | 18816              | 18837              | 18837              | 18863              | 19924              | 19947              | 19967              | 19971              | 19995              | 21114              | 21141              | 21165              | 21169              | 21192              | 22386              | 22410              | 22435              | 22438              | 22466              |
|                  |                    | S/T                    | 0.50               | 0.59               | 0.67               | 0.67               | 0.76               | 0.53               | 0.62               | 0.71               | 0.71               | 0.81               | 0.56               | 0.66               | 0.75               | 0.75               | 0.86               | 0.60               | 0.70               | 0.80               | 0.80               | 0.91               |
|                  |                    | PI                     | 0.90               | 0.90               | 0.90               | 0.90               | 0.90               | 0.95               | 0.95               | 0.95               | 0.95               | 0.95               | 1.01               | 1.01               | 1.01               | 1.01               | 1.01               | 1.07               | 1.07               | 1.07               | 1.07               | 1.07               |
|                  | 68°F<br>(20.0°C)   | TC                     | 19412              | 19438              | 19459              | 19459              | 19486              | 20581              | 20606              | 20626              | 20630              | 20655              | 21811              | 21839              | 21864              | 21868              | 21892              | 23125              | 23150              | 23175              | 23179              | 23208              |
|                  |                    | S/T                    | 0.51               | 0.60               | 0.69               | 0.69               | 0.78               | 0.54               | 0.64               | 0.73               | 0.73               | 0.83               | 0.58               | 0.68               | 0.77               | 0.77               | 0.88               | 0.61               | 0.72               | 0.82               | 0.82               | 0.93               |
|                  |                    | PI                     | 0.96               | 0.97               | 0.97               | 0.97               | 0.97               | 1.02               | 1.02               | 1.03               | 1.03               | 1.03               | 1.08               | 1.09               | 1.09               | 1.09               | 1.09               | 1.15               | 1.15               | 1.15               | 1.15               | 1.15               |
|                  | 77°F<br>(25.0°C)   | TC                     | 20032              | 20059              | 20080              | 20081              | 20108              | 21239              | 21264              | 21285              | 21290              | 21315              | 22508              | 22537              | 22562              | 22567              | 22592              | 23864              | 23890              | 23916              | 23920              | 23950              |
|                  |                    | S/T                    | 0.52               | 0.61               | 0.69               | 0.69               | 0.79               | 0.55               | 0.65               | 0.74               | 0.74               | 0.84               | 0.59               | 0.69               | 0.78               | 0.78               | 0.89               | 0.62               | 0.73               | 0.83               | 0.83               | 0.94               |
|                  |                    | PI                     | 1.03               | 1.03               | 1.04               | 1.04               | 1.04               | 1.10               | 1.10               | 1.10               | 1.10               | 1.10               | 1.16               | 1.16               | 1.16               | 1.16               | 1.17               | 1.23               | 1.23               | 1.23               | 1.23               | 1.24               |
|                  | 82°F<br>(27.8°C)   | TC                     | 19805              | 19831              | 19853              | 19854              | 19880              | 20998              | 21023              | 21044              | 21048              | 21073              | 22253              | 22282              | 22307              | 22311              | 22336              | 23594              | 23619              | 23645              | 23649              | 23678              |
|                  |                    | S/T                    | 0.53               | 0.62               | 0.70               | 0.70               | 0.80               | 0.56               | 0.66               | 0.75               | 0.75               | 0.85               | 0.59               | 0.70               | 0.79               | 0.79               | 0.90               | 0.63               | 0.74               | 0.84               | 0.84               | 0.95               |
|                  |                    | PI                     | 1.12               | 1.12               | 1.12               | 1.12               | 1.12               | 1.18               | 1.18               | 1.19               | 1.19               | 1.19               | 1.25               | 1.25               | 1.26               | 1.26               | 1.26               | 1.33               | 1.33               | 1.33               | 1.33               | 1.33               |
| 86°F<br>(30.0°C) | TC                 | 18901                  | 18927              | 18947              | 18948              | 18974              | 20041              | 20064              | 20084              | 20088              | 20112              | 21238              | 21265              | 21289              | 21293              | 21317              | 22517              | 22542              | 22567              | 22570              | 22598              |                    |
|                  | S/T                | 0.53                   | 0.63               | 0.71               | 0.71               | 0.81               | 0.57               | 0.66               | 0.75               | 0.75               | 0.86               | 0.60               | 0.70               | 0.80               | 0.80               | 0.91               | 0.64               | 0.75               | 0.85               | 0.85               | 0.97               |                    |
|                  | PI                 | 1.24                   | 1.24               | 1.24               | 1.24               | 1.24               | 1.31               | 1.31               | 1.31               | 1.31               | 1.32               | 1.39               | 1.39               | 1.39               | 1.39               | 1.39               | 1.47               | 1.47               | 1.48               | 1.48               | 1.48               |                    |
| 95°F<br>(35.0°C) | TC                 |                        |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |

**Table 52 — Ceiling/Floor Console Heating Performance (18K)**

HEATING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 18 (Sheet 1 of 2)

| AIRFLOW (CFM) | OUTDOOR DB (°F) | TC: Total Heating Capacity (BTU/hr) |                  |                  |                    |                    | PI: Power Input (kW)      |                  |                  |                    |                    |
|---------------|-----------------|-------------------------------------|------------------|------------------|--------------------|--------------------|---------------------------|------------------|------------------|--------------------|--------------------|
|               |                 | Indoor Conditions (DB °F)           |                  |                  |                    |                    | Indoor Conditions (DB °F) |                  |                  |                    |                    |
|               |                 | 60.8°F<br>(16.0°C)                  | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) | 60.8°F<br>(16.0°C)        | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) |
| 421           | -22°F(-30.0°C)  | 6962                                | 6823             | 6789             | 6613               | 6554               | 1.84                      | 1.86             | 1.86             | 1.87               | 1.87               |
|               | -13°F(-25.0°C)  | 8384                                | 8216             | 8175             | 7658               | 7589               | 2.00                      | 2.01             | 2.02             | 2.02               | 2.03               |
|               | -4°F(-20.0°C)   | 11051                               | 10830            | 10776            | 10094              | 10003              | 2.21                      | 2.22             | 2.23             | 2.23               | 2.24               |
|               | 0°F(-17.8°C)    | 12067                               | 11826            | 11767            | 11022              | 10923              | 2.38                      | 2.40             | 2.41             | 2.41               | 2.42               |
|               | 5°F(-15.0°C)    | 13338                               | 13071            | 13005            | 12183              | 12073              | 2.61                      | 2.63             | 2.63             | 2.64               | 2.65               |
|               | 14°F(-10.0°C)   | 14081                               | 13799            | 13730            | 12861              | 12746              | 2.59                      | 2.61             | 2.61             | 2.62               | 2.63               |
|               | 17°F(-8.3°C)    | 14328                               | 14042            | 13972            | 13088              | 12970              | 2.58                      | 2.60             | 2.61             | 2.61               | 2.62               |
|               | 22°F(-5.6°C)    | 14514                               | 14224            | 14153            | 13257              | 13138              | 2.43                      | 2.45             | 2.45             | 2.46               | 2.47               |
|               | 27°F(-2.8°C)    | 14700                               | 14406            | 14334            | 13427              | 13306              | 2.27                      | 2.29             | 2.29             | 2.30               | 2.31               |
|               | 32°F(0.0°C)     | 14885                               | 14588            | 14515            | 13596              | 13474              | 2.12                      | 2.13             | 2.14             | 2.14               | 2.15               |
|               | 35°F(1.7°C)     | 14997                               | 14697            | 14623            | 13698              | 13575              | 2.02                      | 2.04             | 2.04             | 2.05               | 2.05               |
|               | 37°F(2.8°C)     | 15317                               | 15011            | 14936            | 13991              | 13865              | 2.00                      | 2.02             | 2.02             | 2.03               | 2.04               |
|               | 42°F(5.6°C)     | 16118                               | 15796            | 15717            | 14723              | 14590              | 1.96                      | 1.97             | 1.98             | 1.98               | 1.99               |
|               | 44.6°F(7.0°C)   | 16439                               | 16110            | 16030            | 15015              | 14880              | 1.94                      | 1.95             | 1.96             | 1.96               | 1.97               |
|               | 47°F(8.3°C)     | 16920                               | 16581            | 16498            | 15454              | 15315              | 1.91                      | 1.93             | 1.93             | 1.93               | 1.94               |
|               | 52°F(11.1°C)    | 16116                               | 15794            | 15715            | 14720              | 14588              | 1.66                      | 1.68             | 1.68             | 1.68               | 1.69               |
|               | 57°F(13.9°C)    | 15312                               | 15006            | 14931            | 13986              | 13860              | 1.41                      | 1.43             | 1.43             | 1.43               | 1.44               |
|               | 59°F(15.0°C)    | 14991                               | 14691            | 14617            | 13692              | 13569              | 1.31                      | 1.33             | 1.33             | 1.33               | 1.34               |
| 485           | 62°F(16.7°C)    | 14508                               | 14218            | 14147            | 13252              | 13133              | 1.17                      | 1.17             | 1.18             | 1.18               | 1.18               |
|               | 64.4°F(18.0°C)  | 14187                               | 13903            | 13834            | 12958              | 12842              | 1.07                      | 1.07             | 1.08             | 1.08               | 1.08               |
|               | -22°F(-30.0°C)  | 7838                                | 7681             | 7643             | 7529               | 7461               | 1.86                      | 1.88             | 1.88             | 1.89               | 1.89               |
|               | -13°F(-25.0°C)  | 9256                                | 9070             | 9025             | 8717               | 8639               | 2.02                      | 2.03             | 2.04             | 2.04               | 2.05               |
|               | -4°F(-20.0°C)   | 12201                               | 11956            | 11897            | 11491              | 11388              | 2.23                      | 2.25             | 2.25             | 2.26               | 2.26               |
|               | 0°F(-17.8°C)    | 13322                               | 13056            | 12991            | 12548              | 12435              | 2.41                      | 2.43             | 2.43             | 2.44               | 2.45               |
|               | 5°F(-15.0°C)    | 14725                               | 14430            | 14358            | 13869              | 13744              | 2.63                      | 2.65             | 2.66             | 2.67               | 2.68               |
|               | 14°F(-10.0°C)   | 15545                               | 15234            | 15158            | 14641              | 14510              | 2.61                      | 2.64             | 2.64             | 2.65               | 2.66               |
|               | 17°F(-8.3°C)    | 15819                               | 15502            | 15425            | 14899              | 14765              | 2.61                      | 2.63             | 2.63             | 2.64               | 2.65               |
|               | 22°F(-5.6°C)    | 16024                               | 15703            | 15625            | 15092              | 14956              | 2.45                      | 2.47             | 2.48             | 2.48               | 2.49               |
|               | 27°F(-2.8°C)    | 16229                               | 15904            | 15824            | 15285              | 15147              | 2.29                      | 2.31             | 2.32             | 2.32               | 2.33               |
|               | 32°F(0.0°C)     | 16434                               | 16105            | 16024            | 15478              | 15339              | 2.14                      | 2.15             | 2.16             | 2.16               | 2.17               |
|               | 35°F(1.7°C)     | 16557                               | 16225            | 16144            | 15594              | 15454              | 2.04                      | 2.06             | 2.06             | 2.07               | 2.08               |
|               | 37°F(2.8°C)     | 16910                               | 16572            | 16489            | 15927              | 15784              | 2.02                      | 2.04             | 2.04             | 2.05               | 2.06               |
|               | 42°F(5.6°C)     | 17795                               | 17439            | 17352            | 16760              | 16609              | 1.98                      | 1.99             | 2.00             | 2.00               | 2.01               |
|               | 44.6°F(7.0°C)   | 18149                               | 17786            | 17697            | 17093              | 16940              | 1.96                      | 1.97             | 1.98             | 1.98               | 1.99               |
|               | 47°F(8.3°C)     | 18679                               | 18306            | 18214            | 17593              | 17435              | 1.93                      | 1.95             | 1.95             | 1.95               | 1.96               |
|               | 52°F(11.1°C)    | 17792                               | 17436            | 17349            | 16758              | 16607              | 1.68                      | 1.69             | 1.70             | 1.70               | 1.71               |
| 547           | 57°F(13.9°C)    | 16905                               | 16567            | 16484            | 15922              | 15778              | 1.43                      | 1.44             | 1.44             | 1.45               | 1.45               |
|               | 59°F(15.0°C)    | 16550                               | 16219            | 16138            | 15587              | 15447              | 1.33                      | 1.34             | 1.34             | 1.34               | 1.35               |
|               | 62°F(16.7°C)    | 16017                               | 15697            | 15618            | 15086              | 14950              | 1.18                      | 1.19             | 1.19             | 1.19               | 1.20               |
|               | 64.4°F(18.0°C)  | 15662                               | 15349            | 15272            | 14752              | 14619              | 1.08                      | 1.09             | 1.09             | 1.09               | 1.09               |
|               | -22°F(-30.0°C)  | 8825                                | 8648             | 8605             | 8571               | 8493               | 1.88                      | 1.90             | 1.90             | 1.90               | 1.91               |
|               | -13°F(-25.0°C)  | 10218                               | 10014            | 9964             | 9924               | 9835               | 2.04                      | 2.06             | 2.06             | 2.06               | 2.07               |
|               | -4°F(-20.0°C)   | 13469                               | 13200            | 13134            | 13081              | 12964              | 2.25                      | 2.27             | 2.27             | 2.28               | 2.29               |
|               | 0°F(-17.8°C)    | 14708                               | 14414            | 14342            | 14284              | 14156              | 2.43                      | 2.45             | 2.46             | 2.46               | 2.47               |
|               | 5°F(-15.0°C)    | 16256                               | 15931            | 15851            | 15788              | 15646              | 2.66                      | 2.68             | 2.69             | 2.69               | 2.70               |
|               | 14°F(-10.0°C)   | 17162                               | 16819            | 16735            | 16668              | 16518              | 2.64                      | 2.66             | 2.67             | 2.67               | 2.68               |
|               | 17°F(-8.3°C)    | 17464                               | 17115            | 17029            | 16961              | 16808              | 2.63                      | 2.66             | 2.66             | 2.67               | 2.68               |
|               | 22°F(-5.6°C)    | 17690                               | 17336            | 17250            | 17181              | 17026              | 2.48                      | 2.50             | 2.50             | 2.51               | 2.52               |
|               | 27°F(-2.8°C)    | 17916                               | 17558            | 17470            | 17400              | 17244              | 2.32                      | 2.34             | 2.34             | 2.34               | 2.35               |
|               | 32°F(0.0°C)     | 18143                               | 17780            | 17691            | 17620              | 17462              | 2.16                      | 2.18             | 2.18             | 2.18               | 2.19               |
|               | 35°F(1.7°C)     | 18278                               | 17913            | 17823            | 17752              | 17592              | 2.06                      | 2.08             | 2.08             | 2.09               | 2.10               |
|               | 37°F(2.8°C)     | 18669                               | 18296            | 18204            | 18131              | 17968              | 2.04                      | 2.06             | 2.06             | 2.07               | 2.08               |
|               | 42°F(5.6°C)     | 19646                               | 19253            | 19156            | 19080              | 18908              | 2.00                      | 2.01             | 2.02             | 2.02               | 2.03               |
|               | 44.6°F(7.0°C)   | 20036                               | 19635            | 19537            | 19459              | 19284              | 1.98                      | 1.99             | 2.00             | 2.00               | 2.01               |
|               | 47°F(8.3°C)     | 20622                               | 20210            | 20109            | 20028              | 19848              | 1.95                      | 1.97             | 1.97             | 1.97               | 1.98               |
| 547           | 52°F(11.1°C)    | 19642                               | 19250            | 19153            | 19077              | 18905              | 1.70                      | 1.71             | 1.71             | 1.72               | 1.72               |
|               | 57°F(13.9°C)    | 18663                               | 18290            | 18198            | 18125              | 17962              | 1.44                      | 1.45             | 1.46             | 1.46               | 1.47               |
|               | 59°F(15.0°C)    | 18271                               | 17906            | 17816            | 17745              | 17585              | 1.34                      | 1.35             | 1.35             | 1.36               | 1.36               |
|               | 62°F(16.7°C)    | 17683                               | 17330            | 17243            | 17174              | 17019              | 1.19                      | 1.20             | 1.20             | 1.20               | 1.21               |
|               | 64.4°F(18.0°C)  | 17291                               | 16945            | 16861            | 16793              | 16642              | 1.09                      | 1.10             | 1.10             | 1.10               | 1.11               |

## HEATING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 18 (Sheet 2 of 2)

| AIRFLOW (CFM) | OUTDOOR DB (°F) | TC: Total Heating Capacity (BTU/hr) |                  |                  |                    |                    | PI: Power Input (kW)      |                  |                  |                    |                    |
|---------------|-----------------|-------------------------------------|------------------|------------------|--------------------|--------------------|---------------------------|------------------|------------------|--------------------|--------------------|
|               |                 | Indoor Conditions (DB °F)           |                  |                  |                    |                    | Indoor Conditions (DB °F) |                  |                  |                    |                    |
|               |                 | 60.8°F<br>(16.0°C)                  | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) | 60.8°F<br>(16.0°C)        | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) |
| 576           | -22°F(-30.0°C)  | 9743                                | 9548             | 9500             | 9462               | 9377               | 1.90                      | 1.92             | 1.92             | 1.92               | 1.93               |
|               | -13°F(-25.0°C)  | 11281                               | 11055            | 11000            | 10956              | 10857              | 2.06                      | 2.08             | 2.08             | 2.08               | 2.09               |
|               | -4°F(-20.0°C)   | 14870                               | 14573            | 14500            | 14442              | 14312              | 2.27                      | 2.29             | 2.30             | 2.30               | 2.31               |
|               | 0°F(-17.8°C)    | 16238                               | 15913            | 15833            | 15770              | 15628              | 2.46                      | 2.48             | 2.48             | 2.49               | 2.50               |
|               | 5°F(-15.0°C)    | 17947                               | 17588            | 17500            | 17430              | 17273              | 2.69                      | 2.71             | 2.71             | 2.72               | 2.73               |
|               | 14°F(-10.0°C)   | 18947                               | 18568            | 18475            | 18401              | 18235              | 2.67                      | 2.69             | 2.69             | 2.70               | 2.71               |
|               | 17°F(-8.3°C)    | 19280                               | 18894            | 18800            | 18725              | 18556              | 2.66                      | 2.68             | 2.69             | 2.69               | 2.70               |
|               | 22°F(-5.6°C)    | 19530                               | 19139            | 19044            | 18967              | 18797              | 2.50                      | 2.52             | 2.53             | 2.53               | 2.54               |
|               | 27°F(-2.8°C)    | 19780                               | 19384            | 19287            | 19210              | 19037              | 2.34                      | 2.36             | 2.36             | 2.37               | 2.38               |
|               | 32°F(-0.0°C)    | 20030                               | 19629            | 19531            | 19453              | 19278              | 2.18                      | 2.20             | 2.20             | 2.21               | 2.22               |
|               | 35°F(1.7°C)     | 20179                               | 19776            | 19677            | 19598              | 19422              | 2.08                      | 2.10             | 2.10             | 2.11               | 2.12               |
|               | 37°F(2.8°C)     | 20611                               | 20198            | 20098            | 20017              | 19837              | 2.06                      | 2.08             | 2.09             | 2.09               | 2.10               |
|               | 42°F(5.6°C)     | 21689                               | 21255            | 21149            | 21064              | 20875              | 2.02                      | 2.03             | 2.04             | 2.04               | 2.05               |
|               | 44.6°F(7.0°C)   | 22120                               | 21678            | 21569            | 21483              | 21290              | 2.00                      | 2.01             | 2.02             | 2.02               | 2.03               |
|               | 47°F(8.3°C)     | 22767                               | 22312            | 22200            | 22111              | 21912              | 1.97                      | 1.99             | 1.99             | 1.99               | 2.00               |
|               | 52°F(11.1°C)    | 21685                               | 21252            | 21145            | 21061              | 20871              | 1.71                      | 1.73             | 1.73             | 1.73               | 1.74               |
|               | 57°F(13.9°C)    | 20604                               | 20192            | 20091            | 20010              | 19830              | 1.46                      | 1.47             | 1.47             | 1.48               | 1.48               |
|               | 59°F(15.0°C)    | 20171                               | 19768            | 19669            | 19590              | 19414              | 1.35                      | 1.37             | 1.37             | 1.37               | 1.38               |
|               | 62°F(16.7°C)    | 19522                               | 19132            | 19036            | 18960              | 18789              | 1.20                      | 1.21             | 1.21             | 1.22               | 1.22               |
|               | 64.4°F(18.0°C)  | 19090                               | 18708            | 18614            | 18540              | 18373              | 1.10                      | 1.11             | 1.11             | 1.11               | 1.12               |

**Table 53 — Ceiling/Floor Console Cooling Performance (24K)**

COOLING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 24 (Sheet 1 of 4)

| AIRFLOW<br>(CFM) | OUTDOOR<br>DB(°F)  | ID WB(°F) | 60.8°F(16.0°C)     |                    |                    |                    |                    | 64.4°F(18.0°C)     |                    |                    |                    |                    | 67°F(19.4°C)       |                    |                    |                    |                    | 71.6°F(22.0°C)     |                    |                    |                    |                    |
|------------------|--------------------|-----------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                  |                    | ID DB(°F) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) |
| 453              | -22°F<br>(-30.0°C) | TC        | 18952              | 18978              | 18998              | 18999              | 19025              | 20094              | 20118              | 20138              | 20142              | 20166              | 21295              | 21323              | 21346              | 21350              | 21374              | 22578              | 22603              | 22627              | 22631              | 22659              |
|                  |                    | S/T       | 0.46               | 0.54               | 0.61               | 0.61               | 0.70               | 0.49               | 0.57               | 0.65               | 0.65               | 0.74               | 0.52               | 0.61               | 0.69               | 0.69               | 0.79               | 0.55               | 0.64               | 0.73               | 0.73               | 0.83               |
|                  |                    | PI        | 0.86               | 0.86               | 0.86               | 0.86               | 0.86               | 0.91               | 0.91               | 0.91               | 0.91               | 0.91               | 0.96               | 0.96               | 0.97               | 0.97               | 0.97               | 1.02               | 1.02               | 1.02               | 1.02               | 1.02               |
|                  | -13°F<br>(-25.0°C) | TC        | 20532              | 20559              | 20581              | 20582              | 20610              | 21769              | 21795              | 21816              | 21821              | 21846              | 23070              | 23100              | 23125              | 23130              | 23155              | 24460              | 24486              | 24513              | 24517              | 24547              |
|                  |                    | S/T       | 0.46               | 0.54               | 0.62               | 0.62               | 0.70               | 0.49               | 0.58               | 0.65               | 0.65               | 0.75               | 0.52               | 0.61               | 0.69               | 0.69               | 0.79               | 0.55               | 0.65               | 0.74               | 0.74               | 0.84               |
|                  |                    | PI        | 0.93               | 0.93               | 0.93               | 0.93               | 0.93               | 0.98               | 0.99               | 0.99               | 0.99               | 0.99               | 1.04               | 1.04               | 1.05               | 1.05               | 1.05               | 1.11               | 1.11               | 1.11               | 1.11               | 1.11               |
|                  | -4°F<br>(-20.0°C)  | TC        | 22111              | 22141              | 22165              | 22166              | 22195              | 23444              | 23471              | 23494              | 23499              | 23527              | 24844              | 24876              | 24904              | 24909              | 24937              | 26341              | 26370              | 26398              | 26402              | 26435              |
|                  |                    | S/T       | 0.47               | 0.55               | 0.62               | 0.62               | 0.71               | 0.49               | 0.58               | 0.66               | 0.66               | 0.75               | 0.52               | 0.61               | 0.70               | 0.70               | 0.80               | 0.55               | 0.65               | 0.74               | 0.74               | 0.84               |
|                  |                    | PI        | 1.00               | 1.00               | 1.00               | 1.00               | 1.00               | 1.06               | 1.06               | 1.06               | 1.06               | 1.06               | 1.12               | 1.13               | 1.13               | 1.13               | 1.13               | 1.19               | 1.19               | 1.19               | 1.19               | 1.20               |
|                  | 0°F<br>(-17.8°C)   | TC        | 22813              | 22844              | 22868              | 22869              | 22900              | 24188              | 24216              | 24240              | 24245              | 24274              | 25633              | 25666              | 25695              | 25700              | 25728              | 27177              | 27207              | 27236              | 27241              | 27275              |
|                  |                    | S/T       | 0.47               | 0.55               | 0.62               | 0.62               | 0.71               | 0.50               | 0.58               | 0.66               | 0.66               | 0.75               | 0.53               | 0.62               | 0.70               | 0.70               | 0.80               | 0.56               | 0.65               | 0.74               | 0.74               | 0.85               |
|                  |                    | PI        | 1.03               | 1.03               | 1.03               | 1.03               | 1.04               | 1.09               | 1.10               | 1.10               | 1.10               | 1.10               | 1.16               | 1.16               | 1.16               | 1.16               | 1.16               | 1.23               | 1.23               | 1.23               | 1.23               | 1.23               |
|                  | 5°F<br>(-15.0°C)   | TC        | 23690              | 23722              | 23748              | 23749              | 23781              | 25118              | 25148              | 25173              | 25178              | 25207              | 26619              | 26653              | 26683              | 26688              | 26718              | 28223              | 28253              | 28284              | 28288              | 28324              |
|                  |                    | S/T       | 0.47               | 0.55               | 0.63               | 0.63               | 0.71               | 0.50               | 0.58               | 0.66               | 0.66               | 0.76               | 0.53               | 0.62               | 0.70               | 0.70               | 0.80               | 0.56               | 0.66               | 0.75               | 0.75               | 0.85               |
|                  |                    | PI        | 1.07               | 1.07               | 1.07               | 1.07               | 1.08               | 1.14               | 1.14               | 1.14               | 1.14               | 1.14               | 1.20               | 1.21               | 1.21               | 1.21               | 1.21               | 1.28               | 1.28               | 1.28               | 1.28               | 1.28               |
|                  | 14°F<br>(-10.0°C)  | TC        | 23420              | 23451              | 23477              | 23478              | 23509              | 24831              | 24861              | 24885              | 24890              | 24920              | 26315              | 26349              | 26378              | 26383              | 26413              | 27900              | 27931              | 27961              | 27966              | 28000              |
|                  |                    | S/T       | 0.47               | 0.55               | 0.63               | 0.63               | 0.72               | 0.50               | 0.59               | 0.67               | 0.67               | 0.76               | 0.53               | 0.62               | 0.71               | 0.71               | 0.80               | 0.56               | 0.66               | 0.75               | 0.75               | 0.85               |
|                  |                    | PI        | 1.04               | 1.04               | 1.04               | 1.04               | 1.04               | 1.10               | 1.10               | 1.11               | 1.11               | 1.11               | 1.17               | 1.17               | 1.17               | 1.17               | 1.17               | 1.24               | 1.24               | 1.24               | 1.24               | 1.24               |
|                  | 17°F<br>(-8.3°C)   | TC        | 23330              | 23361              | 23386              | 23387              | 23419              | 24736              | 24765              | 24790              | 24794              | 24824              | 26214              | 26248              | 26277              | 26282              | 26311              | 27793              | 27823              | 27854              | 27858              | 27893              |
|                  |                    | S/T       | 0.47               | 0.55               | 0.63               | 0.63               | 0.72               | 0.50               | 0.59               | 0.67               | 0.67               | 0.76               | 0.53               | 0.62               | 0.71               | 0.71               | 0.81               | 0.56               | 0.66               | 0.75               | 0.75               | 0.85               |
|                  |                    | PI        | 1.03               | 1.03               | 1.03               | 1.03               | 1.03               | 1.09               | 1.09               | 1.09               | 1.09               | 1.09               | 1.10               | 1.16               | 1.16               | 1.16               | 1.16               | 1.23               | 1.23               | 1.23               | 1.23               | 1.23               |
|                  | 23°F<br>(-5.0°C)   | TC        | 22902              | 22933              | 22958              | 22959              | 22990              | 24282              | 24311              | 24335              | 24340              | 24369              | 25733              | 25767              | 25795              | 25800              | 25829              | 27284              | 27313              | 27343              | 27347              | 27381              |
|                  |                    | S/T       | 0.47               | 0.56               | 0.63               | 0.63               | 0.72               | 0.50               | 0.59               | 0.67               | 0.67               | 0.76               | 0.53               | 0.63               | 0.71               | 0.71               | 0.81               | 0.56               | 0.66               | 0.75               | 0.75               | 0.86               |
|                  |                    | PI        | 0.95               | 0.95               | 0.95               | 0.95               | 0.95               | 1.00               | 1.00               | 1.01               | 1.01               | 1.01               | 1.06               | 1.07               | 1.07               | 1.07               | 1.07               | 1.13               | 1.13               | 1.13               | 1.13               | 1.13               |
|                  | 35°F<br>(1.7°C)    | TC        | 22047              | 22077              | 22101              | 22102              | 22131              | 23376              | 23403              | 23427              | 23431              | 23459              | 24772              | 24804              | 24832              | 24837              | 24864              | 26265              | 26293              | 26322              | 26326              | 26359              |
|                  |                    | S/T       | 0.48               | 0.56               | 0.64               | 0.64               | 0.72               | 0.51               | 0.59               | 0.67               | 0.67               | 0.77               | 0.54               | 0.63               | 0.71               | 0.71               | 0.81               | 0.57               | 0.67               | 0.76               | 0.76               | 0.86               |
|                  |                    | PI        | 0.78               | 0.78               | 0.78               | 0.78               | 0.78               | 0.83               | 0.83               | 0.83               | 0.83               | 0.83               | 0.88               | 0.88               | 0.88               | 0.88               | 0.88               | 0.93               | 0.93               | 0.93               | 0.93               | 0.93               |
|                  | 41°F<br>(5.0°C)    | TC        | 23675              | 23707              | 23733              | 23734              | 23766              | 25102              | 25132              | 25157              | 25162              | 25192              | 26602              | 26636              | 26666              | 26671              | 26701              | 28205              | 28235              | 28266              | 28271              | 28306              |
|                  |                    | S/T       | 0.48               | 0.56               | 0.64               | 0.64               | 0.73               | 0.51               | 0.59               | 0.68               | 0.68               | 0.77               | 0.54               | 0.63               | 0.72               | 0.72               | 0.82               | 0.57               | 0.67               | 0.76               | 0.76               | 0.86               |
|                  |                    | PI        | 1.04               | 1.04               | 1.04               | 1.04               | 1.04               | 1.10               | 1.10               | 1.10               | 1.10               | 1.10               | 1.17               | 1.17               | 1.17               | 1.17               | 1.17               | 1.24               | 1.24               | 1.24               | 1.24               | 1.24               |
|                  | 47°F<br>(8.3°C)    | TC        | 25304              | 25338              | 25365              | 25366              | 25400              | 26829              | 26860              | 26887              | 26892              | 26924              | 28432              | 28468              | 28500              | 28506              | 28537              | 30145              | 30177              | 30210              | 30215              | 30253              |
|                  |                    | S/T       | 0.48               | 0.56               | 0.64               | 0.64               | 0.73               | 0.51               | 0.60               | 0.68               | 0.68               | 0.77               | 0.54               | 0.63               | 0.72               | 0.72               | 0.82               | 0.57               | 0.67               | 0.76               | 0.76               | 0.87               |
|                  |                    | PI        | 1.30               | 1.30               | 1.30               | 1.30               | 1.30               | 1.37               | 1.38               | 1.38               | 1.38               | 1.38               | 1.46               | 1.46               | 1.46               | 1.46               | 1.46               | 1.54               | 1.55               | 1.55               | 1.55               | 1.55               |
|                  | 50°F<br>(10.0°C)   | TC        | 25547              | 25581              | 25609              | 25610              | 25644              | 27086              | 27118              | 27145              | 27151              | 27183              | 28705              | 28742              | 28774              | 28779              | 28811              | 30434              | 30467              | 30500              | 30505              | 30543              |
|                  |                    | S/T       | 0.48               | 0.57               | 0.64               | 0.64               | 0.73               | 0.51               | 0.60               | 0.68               | 0.68               | 0.78               | 0.54               | 0.63               | 0.72               | 0.72               | 0.82               | 0.57               | 0.67               | 0.76               | 0.76               | 0.87               |
|                  |                    | PI        | 1.33               | 1.34               | 1.34               | 1.34               | 1.34               | 1.42               | 1.42               | 1.42               | 1.42               | 1.42               | 1.50               | 1.50               | 1.50               | 1.50               | 1.51               | 1.59               | 1.59               | 1.59               | 1.59               | 1.60               |
|                  | 59°F<br>(15.0°C)   | TC        | 26276              | 26311              | 26340              | 26341              | 26376              | 27859              | 27892              | 27920              | 27926              | 27959              | 29524              | 29562              | 29595              | 29601              | 29634              | 31303              | 31337              | 31371              | 31376              | 31415              |
|                  |                    | S/T       | 0.48               | 0.57               | 0.65               | 0.65               | 0.74               | 0.51               | 0.60               | 0.68               | 0.68               | 0.78               | 0.54               | 0.64               | 0.73               | 0.73               | 0.83               | 0.58               | 0.68               | 0.77               | 0.77               | 0.88               |
|                  |                    | PI        | 1.45               | 1.45               | 1.45               | 1.45               | 1.45               | 1.54               | 1.54               | 1.54               | 1.54               | 1.54               | 1.63               | 1.63               | 1.63               | 1.63               | 1.63               | 1.73               | 1.73               | 1.73               | 1.73               | 1.73               |
|                  | 68°F<br>(20.0°C)   | TC        | 27005              | 27041              | 27071              | 27072              | 27108              | 28633              | 28666              | 28695              | 28700              | 28734              | 30343              | 30383              | 30416              | 30422              | 30456              | 32171              | 32206              | 32241              | 32246              | 32287              |
|                  |                    | S/T       | 0.50               | 0.58               | 0.66               | 0.66               | 0.76               | 0.53               | 0.62               | 0.70               | 0.70               | 0.80               | 0.56               | 0.66               | 0.74               | 0.74               | 0.85               | 0.59               | 0.69               | 0.79               | 0.79               | 0.90               |
|                  |                    | PI        | 1.56               | 1.57               | 1.57               | 1.57               | 1.57               | 1.66               | 1.66               | 1.66               | 1.66               | 1.66               | 1.76               | 1.76               | 1.76               | 1.76               | 1.76               | 1.86               | 1.86               | 1.87               | 1.87               | 1.87               |
|                  | 77°F<br>(25.0°C)   | TC        | 27734              | 27771              | 27801              | 27803              | 27840              | 29406              | 29440              | 29469              | 29475              | 29510              | 31162              | 31203              | 31238              | 31243              | 31278              | 33040              | 33076              | 33112              | 33117              | 33158              |
|                  |                    | S/T       | 0.50               | 0.59               | 0.67               | 0.67               | 0.77               | 0.53               | 0.63               | 0.71               | 0.71               | 0.81               | 0.57               | 0.66               | 0.75               | 0.75               | 0.86               | 0.60               | 0.70               | 0.80               | 0.80               | 0.91               |
|                  |                    | PI        | 1.68               | 1.68               | 1.68               | 1.68               | 1.68               | 1.78               | 1.78               | 1.78               | 1.78               | 1.78               | 1.79               | 1.89               | 1.89               | 1.89               | 1.89               | 2.00               | 2.00               | 2.00               | 2.00               | 2.01               |
|                  | 82°F<br>(27.8°C)   | TC        | 27202              | 27238              | 27268              | 27269              | 27306              | 28841              | 28875              | 28904              | 28910              | 28944              | 30564              | 30604              | 30638              | 30644              | 30678              | 32406              | 32441              | 32476              | 32481              | 32522              |
|                  |                    | S/T       | 0.51               | 0.60               | 0.68               | 0.68               | 0.77               | 0.54               | 0.63               | 0.72               | 0.72               | 0.82               | 0.57               | 0.67               | 0.76               | 0.76               | 0.87               | 0.61               | 0.71               | 0.81               | 0.81               | 0.92               |
|                  |                    | PI        | 1.75               | 1.75               | 1.75               | 1.75               | 1.76               | 1.86               | 1.86               | 1.86               | 1.86               | 1.86               | 1.97               | 1.97               | 1.97               | 1.97               | 1.97               | 2.08               | 2.09               | 2.09               | 2.09               | 2.09               |
|                  | 86°F<br>(30.0°C)   | TC        | 25593              | 25628              | 25655              | 25656              | 25691              | 27136              | 27168              | 27195              | 27200              | 27232              | 28757              | 28794              | 28832              | 28864              | 30489              | 30523              | 30556              | 30561              | 30599              |                    |
|                  |                    | S/T       | 0.52               | 0.61               | 0.69               | 0.69               | 0.78               | 0.55               | 0.64               | 0.73               | 0.73               | 0.83               | 0.58               | 0.68               | 0.77               | 0.77               | 0.88               | 0.61               | 0.72               | 0.82               | 0.82               | 0.93               |
|                  |                    | PI        | 1.82               | 1.82               | 1.82               | 1.82               | 1.83               | 1.93               | 1.93               | 1.93               | 1.93               | 1.94               | 2.04               | 2.05               | 2.05               | 2.05               | 2.05               | 2.17               | 2.17               | 2.17               | 2.17               | 2.17               |
|                  | 95°F<br>(35.0°C)   |           |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |

## COOLING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 24 (Sheet 2 of 4)

| AIRFLOW<br>(CFM) | OUTDOOR<br>DB(°F)  | ID WB(°F) | 60.8°F(16.0°C)     |                    |                    |                    |                    | 64.4°F(18.0°C)     |                    |                    |                    |                    | 67°F(19.4°C)       |                    |                    |                    |                    | 71.6°F(22.0°C)     |                    |                    |                    |                    |
|------------------|--------------------|-----------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                  |                    | ID DB(°F) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) |
|                  |                    |           |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |
| 606              | -22°F<br>(-30.0°C) | TC        | 19167              | 19193              | 19213              | 19214              | 19240              | 20322              | 20346              | 20366              | 20370              | 20394              | 21536              | 21564              | 21588              | 21592              | 21616              | 22834              | 22859              | 22883              | 22887              | 22916              |
|                  |                    | S/T       | 0.47               | 0.55               | 0.62               | 0.62               | 0.71               | 0.49               | 0.58               | 0.66               | 0.66               | 0.75               | 0.52               | 0.61               | 0.70               | 0.70               | 0.79               | 0.55               | 0.65               | 0.74               | 0.74               | 0.84               |
|                  |                    | PI        | 0.87               | 0.87               | 0.87               | 0.87               | 0.87               | 0.92               | 0.92               | 0.92               | 0.92               | 0.92               | 0.97               | 0.98               | 0.98               | 0.98               | 0.98               | 1.03               | 1.03               | 1.03               | 1.04               | 1.04               |
|                  | -13°F<br>(-25.0°C) | TC        | 20764              | 20792              | 20815              | 20815              | 20844              | 22016              | 22042              | 22063              | 22068              | 22094              | 23331              | 23361              | 23387              | 23392              | 23418              | 24737              | 24763              | 24790              | 24794              | 24825              |
|                  |                    | S/T       | 0.47               | 0.55               | 0.62               | 0.62               | 0.71               | 0.50               | 0.58               | 0.66               | 0.66               | 0.76               | 0.53               | 0.62               | 0.70               | 0.70               | 0.80               | 0.56               | 0.65               | 0.74               | 0.74               | 0.85               |
|                  |                    | PI        | 0.94               | 0.94               | 0.94               | 0.94               | 0.94               | 1.00               | 1.00               | 1.00               | 1.00               | 1.00               | 1.06               | 1.06               | 1.06               | 1.06               | 1.06               | 1.12               | 1.12               | 1.12               | 1.12               | 1.12               |
|                  | -4°F<br>(-20.0°C)  | TC        | 22361              | 22392              | 22416              | 22417              | 22447              | 23709              | 23737              | 23761              | 23765              | 23793              | 25126              | 25158              | 25186              | 25191              | 25219              | 26639              | 26668              | 26697              | 26702              | 26735              |
|                  |                    | S/T       | 0.47               | 0.55               | 0.63               | 0.63               | 0.72               | 0.50               | 0.59               | 0.67               | 0.67               | 0.76               | 0.53               | 0.62               | 0.71               | 0.71               | 0.80               | 0.56               | 0.66               | 0.75               | 0.75               | 0.85               |
|                  |                    | PI        | 1.01               | 1.01               | 1.01               | 1.01               | 1.02               | 1.07               | 1.07               | 1.07               | 1.07               | 1.08               | 1.14               | 1.14               | 1.14               | 1.14               | 1.14               | 1.20               | 1.21               | 1.21               | 1.21               | 1.21               |
|                  | 0°F<br>(-17.8°C)   | TC        | 23071              | 23102              | 23127              | 23128              | 23159              | 24462              | 24491              | 24515              | 24520              | 24549              | 25923              | 25957              | 25986              | 25991              | 26020              | 27485              | 27515              | 27545              | 27549              | 27584              |
|                  |                    | S/T       | 0.47               | 0.55               | 0.63               | 0.63               | 0.72               | 0.50               | 0.59               | 0.67               | 0.67               | 0.76               | 0.53               | 0.62               | 0.71               | 0.71               | 0.81               | 0.56               | 0.66               | 0.75               | 0.75               | 0.86               |
|                  |                    | PI        | 1.04               | 1.04               | 1.05               | 1.05               | 1.05               | 1.11               | 1.11               | 1.11               | 1.11               | 1.11               | 1.17               | 1.17               | 1.18               | 1.18               | 1.18               | 1.24               | 1.24               | 1.25               | 1.25               | 1.25               |
|                  | 5°F<br>(-15.0°C)   | TC        | 23959              | 23991              | 24017              | 24018              | 24050              | 25403              | 25433              | 25458              | 25463              | 25493              | 26920              | 26955              | 26985              | 26990              | 27020              | 28542              | 28573              | 28604              | 28609              | 28644              |
|                  |                    | S/T       | 0.47               | 0.56               | 0.63               | 0.63               | 0.72               | 0.50               | 0.59               | 0.67               | 0.67               | 0.77               | 0.53               | 0.63               | 0.71               | 0.71               | 0.81               | 0.57               | 0.66               | 0.75               | 0.75               | 0.86               |
|                  |                    | PI        | 1.08               | 1.09               | 1.09               | 1.09               | 1.09               | 1.15               | 1.15               | 1.15               | 1.15               | 1.15               | 1.22               | 1.22               | 1.22               | 1.22               | 1.22               | 1.29               | 1.29               | 1.29               | 1.29               | 1.30               |
|                  | 14°F<br>(-10.0°C)  | TC        | 23685              | 23717              | 23743              | 23744              | 23776              | 25113              | 25142              | 25167              | 25172              | 25202              | 26613              | 26648              | 26677              | 26682              | 26712              | 28216              | 28247              | 28278              | 28282              | 28317              |
|                  |                    | S/T       | 0.48               | 0.56               | 0.63               | 0.63               | 0.72               | 0.50               | 0.59               | 0.67               | 0.67               | 0.77               | 0.53               | 0.63               | 0.71               | 0.71               | 0.81               | 0.57               | 0.67               | 0.76               | 0.76               | 0.86               |
|                  |                    | PI        | 1.05               | 1.05               | 1.05               | 1.05               | 1.06               | 1.12               | 1.12               | 1.12               | 1.12               | 1.12               | 1.18               | 1.18               | 1.18               | 1.19               | 1.19               | 1.25               | 1.25               | 1.26               | 1.26               | 1.26               |
|                  | 17°F<br>(-8.3°C)   | TC        | 23594              | 23626              | 23651              | 23652              | 23684              | 25016              | 25046              | 25070              | 25075              | 25105              | 26511              | 26545              | 26575              | 26580              | 26609              | 28108              | 28138              | 28169              | 28173              | 28209              |
|                  |                    | S/T       | 0.48               | 0.56               | 0.64               | 0.64               | 0.73               | 0.51               | 0.59               | 0.67               | 0.67               | 0.77               | 0.54               | 0.63               | 0.72               | 0.72               | 0.82               | 0.57               | 0.67               | 0.76               | 0.76               | 0.86               |
|                  |                    | PI        | 1.04               | 1.04               | 1.04               | 1.04               | 1.05               | 1.10               | 1.11               | 1.11               | 1.11               | 1.11               | 1.17               | 1.17               | 1.17               | 1.17               | 1.17               | 1.24               | 1.24               | 1.24               | 1.24               | 1.25               |
|                  | 23°F<br>(-5.0°C)   | TC        | 23162              | 23193              | 23218              | 23219              | 23250              | 24557              | 24587              | 24611              | 24616              | 24645              | 26025              | 26058              | 26088              | 26092              | 26121              | 27593              | 27623              | 27653              | 27657              | 27692              |
|                  |                    | S/T       | 0.48               | 0.56               | 0.64               | 0.64               | 0.73               | 0.51               | 0.60               | 0.68               | 0.68               | 0.77               | 0.54               | 0.63               | 0.72               | 0.72               | 0.82               | 0.57               | 0.67               | 0.76               | 0.76               | 0.87               |
|                  |                    | PI        | 0.96               | 0.96               | 0.96               | 0.96               | 0.96               | 1.02               | 1.02               | 1.02               | 1.02               | 1.02               | 1.08               | 1.08               | 1.08               | 1.08               | 1.08               | 1.14               | 1.14               | 1.14               | 1.14               | 1.14               |
|                  | 35°F<br>(1.7°C)    | TC        | 22297              | 22327              | 22351              | 22352              | 22382              | 23641              | 23669              | 23692              | 23697              | 23725              | 25053              | 25085              | 25113              | 25118              | 25146              | 26562              | 26591              | 26620              | 26624              | 26658              |
|                  |                    | S/T       | 0.48               | 0.57               | 0.64               | 0.64               | 0.73               | 0.51               | 0.60               | 0.68               | 0.68               | 0.78               | 0.54               | 0.64               | 0.72               | 0.72               | 0.82               | 0.57               | 0.67               | 0.77               | 0.77               | 0.87               |
|                  |                    | PI        | 0.79               | 0.79               | 0.79               | 0.79               | 0.79               | 0.84               | 0.84               | 0.84               | 0.84               | 0.84               | 0.89               | 0.89               | 0.89               | 0.89               | 0.89               | 0.94               | 0.94               | 0.94               | 0.94               | 0.94               |
|                  | 41°F<br>(5.0°C)    | TC        | 23944              | 23976              | 24002              | 24003              | 24035              | 25387              | 25417              | 25442              | 25447              | 25477              | 26903              | 26938              | 26968              | 26973              | 27003              | 28524              | 28555              | 28586              | 28591              | 28626              |
|                  |                    | S/T       | 0.48               | 0.57               | 0.64               | 0.64               | 0.73               | 0.51               | 0.60               | 0.68               | 0.68               | 0.78               | 0.54               | 0.64               | 0.72               | 0.72               | 0.83               | 0.58               | 0.68               | 0.77               | 0.77               | 0.87               |
|                  |                    | PI        | 1.05               | 1.05               | 1.05               | 1.05               | 1.05               | 1.11               | 1.11               | 1.12               | 1.12               | 1.12               | 1.18               | 1.18               | 1.18               | 1.18               | 1.18               | 1.25               | 1.25               | 1.25               | 1.25               | 1.26               |
|                  | 47°F<br>(8.3°C)    | TC        | 25590              | 25625              | 25652              | 25654              | 25688              | 27133              | 27165              | 27192              | 27197              | 27229              | 28754              | 28791              | 28823              | 28828              | 28861              | 30486              | 30519              | 30552              | 30557              | 30595              |
|                  |                    | S/T       | 0.48               | 0.57               | 0.65               | 0.65               | 0.74               | 0.51               | 0.60               | 0.68               | 0.68               | 0.78               | 0.54               | 0.64               | 0.73               | 0.73               | 0.83               | 0.58               | 0.68               | 0.77               | 0.77               | 0.88               |
|                  |                    | PI        | 1.31               | 1.31               | 1.31               | 1.31               | 1.32               | 1.39               | 1.39               | 1.39               | 1.39               | 1.39               | 1.40               | 1.47               | 1.48               | 1.48               | 1.48               | 1.56               | 1.56               | 1.57               | 1.57               | 1.57               |
|                  | 50°F<br>(10.0°C)   | TC        | 25836              | 25871              | 25899              | 25900              | 25935              | 27393              | 27426              | 27453              | 27458              | 27491              | 29030              | 29067              | 29100              | 29105              | 29138              | 30779              | 30812              | 30846              | 30851              | 30889              |
|                  |                    | S/T       | 0.49               | 0.57               | 0.65               | 0.65               | 0.74               | 0.52               | 0.61               | 0.69               | 0.69               | 0.78               | 0.55               | 0.64               | 0.73               | 0.73               | 0.83               | 0.58               | 0.68               | 0.77               | 0.77               | 0.88               |
|                  |                    | PI        | 1.35               | 1.35               | 1.35               | 1.35               | 1.35               | 1.43               | 1.43               | 1.43               | 1.43               | 1.44               | 1.52               | 1.52               | 1.52               | 1.52               | 1.61               | 1.61               | 1.61               | 1.61               | 1.61               | 1.61               |
|                  | 59°F<br>(15.0°C)   | TC        | 26574              | 26609              | 26638              | 26639              | 26675              | 28175              | 28208              | 28236              | 28242              | 28275              | 29858              | 29897              | 29930              | 29936              | 29969              | 31657              | 31692              | 31726              | 31731              | 31771              |
|                  |                    | S/T       | 0.49               | 0.57               | 0.65               | 0.65               | 0.74               | 0.52               | 0.61               | 0.69               | 0.69               | 0.79               | 0.55               | 0.65               | 0.73               | 0.73               | 0.84               | 0.58               | 0.68               | 0.78               | 0.78               | 0.89               |
|                  |                    | PI        | 1.47               | 1.47               | 1.47               | 1.47               | 1.47               | 1.55               | 1.56               | 1.56               | 1.56               | 1.56               | 1.65               | 1.65               | 1.65               | 1.65               | 1.65               | 1.75               | 1.75               | 1.75               | 1.75               | 1.75               |
|                  | 68°F<br>(20.0°C)   | TC        | 27311              | 27348              | 27377              | 27378              | 27415              | 28957              | 28991              | 29020              | 29025              | 29060              | 30687              | 30727              | 30761              | 30767              | 30801              | 32536              | 32571              | 32607              | 32612              | 32652              |
|                  |                    | S/T       | 0.50               | 0.59               | 0.67               | 0.67               | 0.76               | 0.53               | 0.63               | 0.71               | 0.71               | 0.81               | 0.56               | 0.66               | 0.75               | 0.75               | 0.86               | 0.60               | 0.70               | 0.80               | 0.80               | 0.91               |
|                  |                    | PI        | 1.58               | 1.58               | 1.58               | 1.59               | 1.59               | 1.68               | 1.68               | 1.68               | 1.68               | 1.68               | 1.78               | 1.78               | 1.78               | 1.78               | 1.78               | 1.88               | 1.89               | 1.89               | 1.89               | 1.89               |
|                  | 77°F<br>(25.0°C)   | TC        | 28048              | 28086              | 28116              | 28118              | 28155              | 29739              | 29774              | 29803              | 29809              | 29845              | 31515              | 31556              | 31591              | 31597              | 31633              | 33414              | 33451              | 33487              | 33492              | 33534              |
|                  |                    | S/T       | 0.51               | 0.60               | 0.68               | 0.68               | 0.77               | 0.54               | 0.63               | 0.72               | 0.72               | 0.82               | 0.57               | 0.67               | 0.76               | 0.76               | 0.87               | 0.61               | 0.71               | 0.81               | 0.81               | 0.92               |
|                  |                    | PI        | 1.70               | 1.70               | 1.70               | 1.70               | 1.70               | 1.80               | 1.80               | 1.80               | 1.80               | 1.81               | 1.91               | 1.91               | 1.91               | 1.91               | 1.91               | 2.02               | 2.02               | 2.03               | 2.03               | 2.03               |
|                  | 82°F<br>(27.8°C)   | TC        | 27510              | 27547              | 27577              | 27578              | 27615              | 29168              | 29202              | 29231              | 29237              | 29272              | 30910              | 30951              | 30985              | 30991              | 31025              | 32773              | 32809              | 32844              | 32849              | 32890              |
|                  |                    | S/T       | 0.52               | 0.60               | 0.69               | 0.69               | 0.78               | 0.55               | 0.64               | 0.73               | 0.73               | 0.83               | 0.58               | 0.68               | 0.77               | 0.77               | 0.88               | 0.61               | 0.72               | 0.82               | 0.82               | 0.93               |
|                  |                    | PI        | 1.77               | 1.77               | 1.77               | 1.77               | 1.78               | 1.88               | 1.88               | 1.88               | 1.88               | 1.88               | 1.99               | 1.99               | 1.99               | 1.99               | 2.00               | 2.11               | 2.11               | 2.11               | 2.11               | 2.12               |
|                  | 86°F<br>(30.0°C)   | TC        | 25883              | 25918              | 25946              | 25947              | 25982              | 27443              | 27475              | 27503              | 27508              | 27541              | 29082              | 29120              | 29153              | 29158              | 29191              | 30835              | 30868              | 30902              | 30907              | 30945              |
|                  |                    | S/T       | 0.52               | 0.61               | 0.70               | 0.70               | 0.79               | 0.55               | 0.65               | 0.74               | 0.74               | 0.84               | 0.59               | 0.69               | 0.78               | 0.78               | 0.89               | 0.62               | 0.73               | 0.83               | 0.83               | 0.95               |
|                  |                    | PI        | 1.84               | 1.84               | 1.84               | 1.84               | 1.85               | 1.95               | 1.95               | 1.95               | 1.96               |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |

## COOLING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 24 (Sheet 3 of 4)

| AIRFLOW<br>(CFM) | OUTDOOR<br>DB(°F)  | ID WB(°F) | 60.8°F(16.0°C)     |                    |                    |                    |                    | 64.4°F(18.0°C)     |                    |                    |                    |                    | 67°F(19.4°C)       |                    |                    |                    |                    | 71.6°F(22.0°C)     |                    |                    |                    |                    |
|------------------|--------------------|-----------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|                  |                    | ID DB(°F) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) |
|                  |                    |           |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |
| 706              | -22°F<br>(-30.0°C) | TC        | 19384              | 19410              | 19431              | 19432              | 19458              | 20552              | 20577              | 20597              | 20601              | 20625              | 21780              | 21808              | 21833              | 21837              | 21861              | 23092              | 23118              | 23143              | 23146              | 23175              |
|                  |                    | S/T       | 0.47               | 0.55               | 0.63               | 0.63               | 0.72               | 0.50               | 0.59               | 0.67               | 0.67               | 0.76               | 0.53               | 0.62               | 0.71               | 0.71               | 0.80               | 0.56               | 0.66               | 0.75               | 0.75               | 0.85               |
|                  |                    | PI        | 0.88               | 0.88               | 0.88               | 0.88               | 0.88               | 0.93               | 0.93               | 0.93               | 0.93               | 0.93               | 0.99               | 0.99               | 0.99               | 0.99               | 0.99               | 1.04               | 1.05               | 1.05               | 1.05               | 1.05               |
|                  | -13°F<br>(-25.0°C) | TC        | 20999              | 21028              | 21050              | 21051              | 21080              | 22265              | 22291              | 22313              | 22318              | 22344              | 23595              | 23626              | 23652              | 23656              | 23683              | 25017              | 25044              | 25071              | 25075              | 25106              |
|                  |                    | S/T       | 0.47               | 0.56               | 0.63               | 0.63               | 0.72               | 0.50               | 0.59               | 0.67               | 0.67               | 0.76               | 0.53               | 0.62               | 0.71               | 0.71               | 0.81               | 0.56               | 0.66               | 0.75               | 0.75               | 0.86               |
|                  |                    | PI        | 0.95               | 0.95               | 0.95               | 0.95               | 0.95               | 1.01               | 1.01               | 1.01               | 1.01               | 1.01               | 1.07               | 1.07               | 1.07               | 1.07               | 1.07               | 1.13               | 1.13               | 1.13               | 1.13               | 1.14               |
|                  | -4°F<br>(-20.0°C)  | TC        | 22615              | 22645              | 22670              | 22671              | 22701              | 23978              | 24006              | 24030              | 24034              | 24063              | 25410              | 25443              | 25471              | 25476              | 25505              | 26941              | 26970              | 27000              | 27004              | 27038              |
|                  |                    | S/T       | 0.48               | 0.56               | 0.64               | 0.64               | 0.72               | 0.51               | 0.59               | 0.67               | 0.67               | 0.77               | 0.54               | 0.63               | 0.71               | 0.71               | 0.81               | 0.57               | 0.67               | 0.76               | 0.76               | 0.86               |
|                  |                    | PI        | 1.02               | 1.02               | 1.03               | 1.03               | 1.03               | 1.08               | 1.09               | 1.09               | 1.09               | 1.09               | 1.15               | 1.15               | 1.15               | 1.15               | 1.15               | 1.22               | 1.22               | 1.22               | 1.22               | 1.22               |
|                  | 0°F<br>(-17.8°C)   | TC        | 23333              | 23364              | 23389              | 23390              | 23422              | 24739              | 24768              | 24793              | 24797              | 24827              | 26217              | 26251              | 26280              | 26285              | 26314              | 27796              | 27827              | 27857              | 27861              | 27896              |
|                  |                    | S/T       | 0.48               | 0.56               | 0.64               | 0.64               | 0.73               | 0.51               | 0.59               | 0.68               | 0.68               | 0.77               | 0.54               | 0.63               | 0.72               | 0.72               | 0.82               | 0.57               | 0.67               | 0.76               | 0.76               | 0.87               |
|                  |                    | PI        | 1.06               | 1.06               | 1.06               | 1.06               | 1.06               | 1.12               | 1.12               | 1.12               | 1.12               | 1.12               | 1.19               | 1.19               | 1.19               | 1.19               | 1.19               | 1.26               | 1.26               | 1.26               | 1.26               | 1.26               |
|                  | 5°F<br>(-15.0°C)   | TC        | 24230              | 24263              | 24289              | 24290              | 24323              | 25690              | 25721              | 25746              | 25751              | 25782              | 27225              | 27260              | 27291              | 27296              | 27326              | 28866              | 28897              | 28928              | 28933              | 28969              |
|                  |                    | S/T       | 0.48               | 0.56               | 0.64               | 0.64               | 0.73               | 0.51               | 0.60               | 0.68               | 0.68               | 0.77               | 0.54               | 0.63               | 0.72               | 0.72               | 0.82               | 0.57               | 0.67               | 0.76               | 0.76               | 0.87               |
|                  |                    | PI        | 1.10               | 1.10               | 1.10               | 1.10               | 1.10               | 1.16               | 1.16               | 1.16               | 1.16               | 1.17               | 1.23               | 1.23               | 1.23               | 1.23               | 1.23               | 1.24               | 1.31               | 1.31               | 1.31               | 1.31               |
|                  | 14°F<br>(-10.0°C)  | TC        | 23954              | 23986              | 24012              | 24013              | 24045              | 25397              | 25427              | 25452              | 25457              | 25488              | 26914              | 26949              | 26979              | 26984              | 27015              | 28536              | 28567              | 28598              | 28603              | 28638              |
|                  |                    | S/T       | 0.48               | 0.56               | 0.64               | 0.64               | 0.73               | 0.51               | 0.60               | 0.68               | 0.68               | 0.78               | 0.54               | 0.63               | 0.72               | 0.72               | 0.82               | 0.57               | 0.67               | 0.76               | 0.76               | 0.87               |
|                  |                    | PI        | 1.06               | 1.07               | 1.07               | 1.07               | 1.07               | 1.13               | 1.13               | 1.13               | 1.13               | 1.13               | 1.20               | 1.20               | 1.20               | 1.20               | 1.20               | 1.27               | 1.27               | 1.27               | 1.27               | 1.27               |
|                  | 17°F<br>(-8.3°C)   | TC        | 23861              | 23893              | 23919              | 23920              | 23952              | 25299              | 25329              | 25354              | 25359              | 25389              | 26811              | 26846              | 26876              | 26881              | 26911              | 28426              | 28457              | 28488              | 28493              | 28528              |
|                  |                    | S/T       | 0.48               | 0.57               | 0.64               | 0.64               | 0.73               | 0.51               | 0.60               | 0.68               | 0.68               | 0.78               | 0.54               | 0.64               | 0.72               | 0.72               | 0.82               | 0.57               | 0.67               | 0.77               | 0.77               | 0.87               |
|                  |                    | PI        | 1.05               | 1.05               | 1.06               | 1.06               | 1.06               | 1.12               | 1.12               | 1.12               | 1.12               | 1.12               | 1.18               | 1.18               | 1.19               | 1.19               | 1.19               | 1.25               | 1.26               | 1.26               | 1.26               | 1.26               |
|                  | 23°F<br>(-5.0°C)   | TC        | 23424              | 23456              | 23481              | 23482              | 23513              | 24836              | 24865              | 24890              | 24895              | 24924              | 26319              | 26354              | 26383              | 26388              | 26417              | 27905              | 27936              | 27966              | 27970              | 28005              |
|                  |                    | S/T       | 0.49               | 0.57               | 0.65               | 0.65               | 0.74               | 0.51               | 0.60               | 0.69               | 0.69               | 0.78               | 0.55               | 0.64               | 0.73               | 0.73               | 0.83               | 0.58               | 0.68               | 0.77               | 0.77               | 0.88               |
|                  |                    | PI        | 0.97               | 0.97               | 0.97               | 0.97               | 0.97               | 1.03               | 1.03               | 1.03               | 1.03               | 1.03               | 1.09               | 1.09               | 1.09               | 1.09               | 1.09               | 1.15               | 1.15               | 1.16               | 1.16               | 1.16               |
|                  | 35°F<br>(1.7°C)    | TC        | 22549              | 22580              | 22604              | 22605              | 22635              | 23908              | 23937              | 23960              | 23965              | 23993              | 25337              | 25370              | 25398              | 25403              | 25431              | 26863              | 26892              | 26922              | 26926              | 26959              |
|                  |                    | S/T       | 0.49               | 0.57               | 0.65               | 0.65               | 0.74               | 0.52               | 0.61               | 0.69               | 0.69               | 0.79               | 0.55               | 0.64               | 0.73               | 0.73               | 0.83               | 0.58               | 0.68               | 0.77               | 0.77               | 0.88               |
|                  |                    | PI        | 0.80               | 0.80               | 0.80               | 0.80               | 0.80               | 0.85               | 0.85               | 0.85               | 0.85               | 0.85               | 0.90               | 0.90               | 0.90               | 0.90               | 0.90               | 0.95               | 0.95               | 0.95               | 0.95               | 0.95               |
|                  | 41°F<br>(5.0°C)    | TC        | 24215              | 24247              | 24273              | 24275              | 24307              | 25674              | 25704              | 25730              | 25735              | 25766              | 27208              | 27243              | 27274              | 27279              | 27309              | 28847              | 28879              | 28910              | 28915              | 28951              |
|                  |                    | S/T       | 0.49               | 0.57               | 0.65               | 0.65               | 0.74               | 0.52               | 0.61               | 0.69               | 0.69               | 0.79               | 0.55               | 0.64               | 0.73               | 0.73               | 0.83               | 0.58               | 0.68               | 0.78               | 0.78               | 0.88               |
|                  |                    | PI        | 1.06               | 1.06               | 1.06               | 1.06               | 1.07               | 1.13               | 1.13               | 1.13               | 1.13               | 1.13               | 1.19               | 1.19               | 1.20               | 1.20               | 1.20               | 1.27               | 1.27               | 1.27               | 1.27               | 1.27               |
|                  | 47°F<br>(8.3°C)    | TC        | 25880              | 25915              | 25943              | 25944              | 25979              | 27440              | 27472              | 27500              | 27505              | 27538              | 29079              | 29117              | 29150              | 29155              | 29187              | 30831              | 30865              | 30898              | 30903              | 30942              |
|                  |                    | S/T       | 0.49               | 0.58               | 0.65               | 0.65               | 0.74               | 0.52               | 0.61               | 0.69               | 0.69               | 0.79               | 0.55               | 0.65               | 0.73               | 0.73               | 0.84               | 0.58               | 0.68               | 0.78               | 0.78               | 0.89               |
|                  |                    | PI        | 1.33               | 1.33               | 1.33               | 1.33               | 1.33               | 1.41               | 1.41               | 1.41               | 1.41               | 1.41               | 1.49               | 1.49               | 1.49               | 1.49               | 1.49               | 1.50               | 1.58               | 1.58               | 1.58               | 1.59               |
|                  | 50°F<br>(10.0°C)   | TC        | 26129              | 26164              | 26192              | 26193              | 26229              | 27703              | 27736              | 27764              | 27769              | 27802              | 29359              | 29397              | 29429              | 29435              | 29468              | 31128              | 31161              | 31195              | 31200              | 31239              |
|                  |                    | S/T       | 0.49               | 0.58               | 0.66               | 0.66               | 0.75               | 0.52               | 0.61               | 0.70               | 0.70               | 0.79               | 0.55               | 0.65               | 0.74               | 0.74               | 0.84               | 0.59               | 0.69               | 0.78               | 0.78               | 0.89               |
|                  |                    | PI        | 1.37               | 1.37               | 1.37               | 1.37               | 1.37               | 1.45               | 1.45               | 1.45               | 1.45               | 1.45               | 1.53               | 1.54               | 1.54               | 1.54               | 1.54               | 1.63               | 1.63               | 1.63               | 1.63               | 1.63               |
|                  | 59°F<br>(15.0°C)   | TC        | 26875              | 26911              | 26940              | 26941              | 26977              | 28494              | 28528              | 28556              | 28562              | 28596              | 30197              | 30236              | 30269              | 30275              | 30309              | 32016              | 32051              | 32086              | 32091              | 32131              |
|                  |                    | S/T       | 0.50               | 0.58               | 0.66               | 0.66               | 0.75               | 0.52               | 0.62               | 0.70               | 0.70               | 0.80               | 0.56               | 0.65               | 0.74               | 0.74               | 0.85               | 0.59               | 0.69               | 0.79               | 0.79               | 0.90               |
|                  |                    | PI        | 1.48               | 1.48               | 1.49               | 1.49               | 1.49               | 1.57               | 1.57               | 1.57               | 1.58               | 1.58               | 1.67               | 1.67               | 1.67               | 1.67               | 1.67               | 1.77               | 1.77               | 1.77               | 1.77               | 1.77               |
|                  | 68°F<br>(20.0°C)   | TC        | 27620              | 27657              | 27687              | 27688              | 27726              | 29285              | 29319              | 29348              | 29354              | 29389              | 31034              | 31075              | 31109              | 31115              | 31150              | 32904              | 32940              | 32976              | 32981              | 33022              |
|                  |                    | S/T       | 0.51               | 0.60               | 0.68               | 0.68               | 0.77               | 0.54               | 0.63               | 0.72               | 0.72               | 0.82               | 0.57               | 0.67               | 0.76               | 0.76               | 0.87               | 0.61               | 0.71               | 0.81               | 0.81               | 0.92               |
|                  |                    | PI        | 1.60               | 1.60               | 1.60               | 1.60               | 1.61               | 1.70               | 1.70               | 1.70               | 1.70               | 1.70               | 1.80               | 1.80               | 1.80               | 1.80               | 1.80               | 1.90               | 1.91               | 1.91               | 1.91               | 1.91               |
|                  | 77°F<br>(25.0°C)   | TC        | 28366              | 28404              | 28435              | 28436              | 28474              | 30075              | 30111              | 30141              | 30147              | 30183              | 31872              | 31914              | 31949              | 31955              | 31991              | 33793              | 33829              | 33866              | 33872              | 33914              |
|                  |                    | S/T       | 0.51               | 0.60               | 0.69               | 0.69               | 0.78               | 0.55               | 0.64               | 0.73               | 0.73               | 0.83               | 0.58               | 0.68               | 0.77               | 0.77               | 0.88               | 0.61               | 0.72               | 0.82               | 0.82               | 0.93               |
|                  |                    | PI        | 1.72               | 1.72               | 1.72               | 1.72               | 1.72               | 1.82               | 1.82               | 1.82               | 1.82               | 1.83               | 1.93               | 1.93               | 1.93               | 1.93               | 1.94               | 2.04               | 2.05               | 2.05               | 2.05               | 2.05               |
|                  | 82°F<br>(27.8°C)   | TC        | 27822              | 27859              | 27889              | 27890              | 27928              | 29498              | 29533              | 29562              | 29568              | 29603              | 31261              | 31301              | 31336              | 31342              | 31377              | 33144              | 33180              | 33216              | 33221              | 33263              |
|                  |                    | S/T       | 0.52               | 0.61               | 0.70               | 0.70               | 0.79               | 0.55               | 0.65               | 0.74               | 0.74               | 0.84               | 0.59               | 0.69               | 0.78               | 0.78               | 0.89               | 0.62               | 0.73               | 0.83               | 0.83               | 0.94               |
|                  |                    | PI        | 1.79               | 1.79               | 1.79               | 1.79               | 1.80               | 1.90               | 1.90               | 1.90               | 1.90               | 1.90               | 2.01               | 2.01               | 2.02               | 2.02               | 2.02               | 2.13               | 2.13               | 2.14               | 2.14               | 2.14               |
|                  | 86°F<br>(30.0°C)   | TC        | 26176              | 26211              | 26240              | 26241              | 26276              | 27754              | 27787              | 27814              | 27820              | 27853              | 29412              | 29450              | 29483              | 29488              | 29521              | 31184              | 31218              | 31252              | 31257              | 31296              |
|                  |                    | S/T       | 0.53               | 0.62               | 0.70               | 0.70               | 0.80               | 0.56               | 0.66               | 0.75               | 0.75               | 0.85               | 0.59               | 0.70               | 0.79               | 0.79               | 0.90               | 0.63               | 0.74               | 0.84               | 0.84               | 0.96               |
|                  |                    | PI        | 1.86               | 1.86               | 1.87               | 1.87               | 1.87               | 1.97               | 1.97               | 1.98               | 1.98               |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |

## COOLING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 24 (Sheet 4 of 4)

| AIRFLOW<br>(CFM) | OUTDOOR<br>DB(°F)  | ID WB(°F) | 60.8°F(16.0°C)     |                    |                    |                    |                    | 64.4°F(18.0°C)     |                    |                    |                    |                    | 67°F(19.4°C)       |                    |                    |                    |                    | 71.6°F(22.0°C) |       |       |       |       |
|------------------|--------------------|-----------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|----------------|-------|-------|-------|-------|
|                  |                    | ID DB(°F) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) | 73.4°F<br>(23.0°C) | 77.0°F<br>(25.0°C) | 80.0°F<br>(26.7°C) | 80.6°F<br>(27.0°C) | 84.2°F<br>(29.0°C) |                |       |       |       |       |
|                  |                    | TC        | S/T                | PI                 | TC                 | S/T                | PI                 | TC                 | S/T                | PI                 | TC                 | S/T                | PI                 | TC                 | S/T                | PI                 | TC                 | S/T            | PI    |       |       |       |
| 735              | -22°F<br>(-30.0°C) | TC        | 19604              | 19630              | 19651              | 19652              | 19679              | 20785              | 20810              | 20830              | 20834              | 20859              | 22027              | 22055              | 22080              | 22084              | 22109              | 23354          | 23379 | 23405 | 23408 | 23438 |
|                  |                    | S/T       | 0.48               | 0.56               | 0.63               | 0.63               | 0.72               | 0.50               | 0.59               | 0.67               | 0.67               | 0.77               | 0.53               | 0.63               | 0.71               | 0.71               | 0.81               | 0.57           | 0.67  | 0.76  | 0.76  | 0.86  |
|                  |                    | PI        | 0.89               | 0.89               | 0.89               | 0.89               | 0.89               | 0.94               | 0.94               | 0.94               | 0.94               | 0.94               | 1.00               | 1.00               | 1.00               | 1.00               | 1.00               | 1.06           | 1.06  | 1.06  | 1.06  | 1.06  |
|                  | -13°F<br>(-25.0°C) | TC        | 21237              | 21266              | 21289              | 21290              | 21318              | 22517              | 22544              | 22566              | 22570              | 22597              | 23862              | 23893              | 23920              | 23924              | 23951              | 25300          | 25328 | 25355 | 25359 | 25391 |
|                  |                    | S/T       | 0.48               | 0.56               | 0.64               | 0.64               | 0.73               | 0.51               | 0.60               | 0.68               | 0.68               | 0.77               | 0.54               | 0.63               | 0.72               | 0.72               | 0.82               | 0.57           | 0.67  | 0.76  | 0.76  | 0.87  |
|                  |                    | PI        | 0.96               | 0.96               | 0.96               | 0.96               | 0.96               | 1.02               | 1.02               | 1.02               | 1.02               | 1.02               | 1.08               | 1.08               | 1.08               | 1.08               | 1.08               | 1.14           | 1.15  | 1.15  | 1.15  | 1.15  |
|                  | -4°F<br>(-20.0°C)  | TC        | 22871              | 22902              | 22926              | 22927              | 22958              | 24249              | 24278              | 24302              | 24307              | 24336              | 25698              | 25731              | 25760              | 25765              | 25794              | 27246          | 27276 | 27306 | 27310 | 27344 |
|                  |                    | S/T       | 0.48               | 0.57               | 0.64               | 0.64               | 0.73               | 0.51               | 0.60               | 0.68               | 0.68               | 0.78               | 0.54               | 0.64               | 0.72               | 0.72               | 0.82               | 0.57           | 0.67  | 0.77  | 0.77  | 0.87  |
|                  |                    | PI        | 1.03               | 1.04               | 1.04               | 1.04               | 1.04               | 1.10               | 1.10               | 1.10               | 1.10               | 1.10               | 1.16               | 1.16               | 1.17               | 1.17               | 1.17               | 1.23           | 1.23  | 1.24  | 1.24  | 1.24  |
|                  | 0°F<br>(-17.8°C)   | TC        | 23597              | 23629              | 23654              | 23655              | 23687              | 25019              | 25049              | 25073              | 25078              | 25108              | 26514              | 26548              | 26578              | 26583              | 26612              | 28111          | 28142 | 28172 | 28177 | 28212 |
|                  |                    | S/T       | 0.48               | 0.57               | 0.64               | 0.64               | 0.73               | 0.51               | 0.60               | 0.68               | 0.68               | 0.78               | 0.54               | 0.64               | 0.72               | 0.72               | 0.83               | 0.58           | 0.68  | 0.77  | 0.77  | 0.88  |
|                  |                    | PI        | 1.07               | 1.07               | 1.07               | 1.07               | 1.07               | 1.13               | 1.13               | 1.13               | 1.13               | 1.13               | 1.14               | 1.20               | 1.20               | 1.20               | 1.20               | 1.27           | 1.27  | 1.27  | 1.27  | 1.28  |
|                  | 5°F<br>(-15.0°C)   | TC        | 24505              | 24537              | 24564              | 24565              | 24598              | 25981              | 26012              | 26038              | 26043              | 26074              | 27534              | 27569              | 27600              | 27605              | 27636              | 29192          | 29224 | 29256 | 29261 | 29297 |
|                  |                    | S/T       | 0.49               | 0.57               | 0.65               | 0.65               | 0.74               | 0.51               | 0.60               | 0.69               | 0.69               | 0.78               | 0.55               | 0.64               | 0.73               | 0.73               | 0.83               | 0.58           | 0.68  | 0.77  | 0.77  | 0.88  |
|                  |                    | PI        | 1.11               | 1.11               | 1.11               | 1.11               | 1.11               | 1.18               | 1.18               | 1.18               | 1.18               | 1.18               | 1.25               | 1.25               | 1.25               | 1.25               | 1.25               | 1.32           | 1.32  | 1.32  | 1.32  | 1.33  |
|                  | 14°F<br>(-10.0°C)  | TC        | 24225              | 24257              | 24284              | 24285              | 24317              | 25685              | 25715              | 25741              | 25746              | 25776              | 27219              | 27255              | 27285              | 27290              | 27321              | 28859          | 28891 | 28922 | 28927 | 28963 |
|                  |                    | S/T       | 0.49               | 0.57               | 0.65               | 0.65               | 0.74               | 0.52               | 0.61               | 0.69               | 0.69               | 0.78               | 0.55               | 0.64               | 0.73               | 0.73               | 0.83               | 0.58           | 0.68  | 0.77  | 0.77  | 0.88  |
|                  |                    | PI        | 1.08               | 1.08               | 1.08               | 1.08               | 1.08               | 1.14               | 1.14               | 1.14               | 1.14               | 1.14               | 1.21               | 1.21               | 1.21               | 1.21               | 1.21               | 1.28           | 1.28  | 1.28  | 1.28  | 1.29  |
|                  | 17°F<br>(-8.3°C)   | TC        | 24132              | 24164              | 24190              | 24191              | 24224              | 25586              | 25616              | 25642              | 25647              | 25677              | 27115              | 27150              | 27180              | 27185              | 27215              | 28748          | 28779 | 28811 | 28815 | 28851 |
|                  |                    | S/T       | 0.49               | 0.57               | 0.65               | 0.65               | 0.74               | 0.52               | 0.61               | 0.69               | 0.69               | 0.79               | 0.55               | 0.64               | 0.73               | 0.73               | 0.83               | 0.58           | 0.68  | 0.78  | 0.78  | 0.88  |
|                  |                    | PI        | 1.07               | 1.07               | 1.07               | 1.07               | 1.07               | 1.13               | 1.13               | 1.13               | 1.13               | 1.13               | 1.20               | 1.20               | 1.20               | 1.20               | 1.20               | 1.27           | 1.27  | 1.27  | 1.27  | 1.27  |
|                  | 23°F<br>(-5.0°C)   | TC        | 23689              | 23721              | 23747              | 23748              | 23780              | 25117              | 25147              | 25172              | 25177              | 25206              | 26618              | 26652              | 26682              | 26687              | 26717              | 28221          | 28252 | 28283 | 28287 | 28322 |
|                  |                    | S/T       | 0.49               | 0.58               | 0.65               | 0.65               | 0.75               | 0.52               | 0.61               | 0.69               | 0.69               | 0.79               | 0.55               | 0.65               | 0.74               | 0.74               | 0.84               | 0.58           | 0.69  | 0.78  | 0.78  | 0.89  |
|                  |                    | PI        | 0.98               | 0.98               | 0.98               | 0.98               | 0.98               | 1.04               | 1.04               | 1.04               | 1.04               | 1.04               | 1.10               | 1.10               | 1.10               | 1.10               | 1.10               | 1.17           | 1.17  | 1.17  | 1.17  | 1.17  |
|                  | 35°F<br>(1.7°C)    | TC        | 22805              | 22835              | 22860              | 22861              | 22892              | 24179              | 24208              | 24232              | 24236              | 24265              | 25624              | 25657              | 25686              | 25690              | 25719              | 27168          | 27197 | 27227 | 27231 | 27265 |
|                  |                    | S/T       | 0.49               | 0.58               | 0.66               | 0.66               | 0.75               | 0.52               | 0.61               | 0.70               | 0.70               | 0.79               | 0.55               | 0.65               | 0.74               | 0.74               | 0.84               | 0.59           | 0.69  | 0.78  | 0.78  | 0.89  |
|                  |                    | PI        | 0.81               | 0.81               | 0.81               | 0.81               | 0.81               | 0.86               | 0.86               | 0.86               | 0.86               | 0.86               | 0.91               | 0.91               | 0.91               | 0.91               | 0.91               | 0.96           | 0.96  | 0.96  | 0.96  | 0.97  |
|                  | 41°F<br>(5.0°C)    | TC        | 24489              | 24522              | 24548              | 24550              | 24583              | 25965              | 25996              | 26021              | 26026              | 26057              | 27516              | 27552              | 27583              | 27588              | 27619              | 29174          | 29206 | 29238 | 29242 | 29279 |
|                  |                    | S/T       | 0.49               | 0.58               | 0.66               | 0.66               | 0.75               | 0.52               | 0.61               | 0.70               | 0.70               | 0.80               | 0.56               | 0.65               | 0.74               | 0.74               | 0.84               | 0.59           | 0.69  | 0.78  | 0.78  | 0.89  |
|                  |                    | PI        | 1.07               | 1.08               | 1.08               | 1.08               | 1.08               | 1.14               | 1.14               | 1.14               | 1.14               | 1.14               | 1.21               | 1.21               | 1.21               | 1.21               | 1.21               | 1.28           | 1.28  | 1.28  | 1.28  | 1.28  |
|                  | 47°F<br>(8.3°C)    | TC        | 26173              | 26209              | 26237              | 26238              | 26273              | 27751              | 27784              | 27811              | 27817              | 27850              | 29409              | 29447              | 29480              | 29485              | 29518              | 31181          | 31214 | 31248 | 31253 | 31292 |
|                  |                    | S/T       | 0.50               | 0.58               | 0.66               | 0.66               | 0.75               | 0.53               | 0.62               | 0.70               | 0.70               | 0.80               | 0.56               | 0.65               | 0.74               | 0.74               | 0.85               | 0.59           | 0.69  | 0.79  | 0.79  | 0.90  |
|                  |                    | PI        | 1.34               | 1.34               | 1.34               | 1.34               | 1.35               | 1.42               | 1.42               | 1.42               | 1.43               | 1.43               | 1.51               | 1.51               | 1.51               | 1.51               | 1.51               | 1.60           | 1.60  | 1.60  | 1.60  | 1.60  |
|                  | 50°F<br>(10.0°C)   | TC        | 26425              | 26460              | 26489              | 26490              | 26526              | 28017              | 28050              | 28078              | 28084              | 28117              | 29691              | 29730              | 29763              | 29768              | 29802              | 31480          | 31514 | 31549 | 31554 | 31593 |
|                  |                    | S/T       | 0.50               | 0.58               | 0.66               | 0.66               | 0.76               | 0.53               | 0.62               | 0.70               | 0.70               | 0.80               | 0.56               | 0.66               | 0.75               | 0.75               | 0.85               | 0.59           | 0.70  | 0.79  | 0.79  | 0.90  |
|                  |                    | PI        | 1.38               | 1.38               | 1.38               | 1.38               | 1.39               | 1.46               | 1.47               | 1.47               | 1.47               | 1.47               | 1.55               | 1.55               | 1.55               | 1.56               | 1.56               | 1.64           | 1.65  | 1.65  | 1.65  | 1.65  |
|                  | 59°F<br>(15.0°C)   | TC        | 27179              | 27216              | 27245              | 27246              | 27283              | 28817              | 28851              | 28880              | 28885              | 28920              | 30539              | 30578              | 30612              | 30618              | 30652              | 32379          | 32414 | 32449 | 32454 | 32494 |
|                  |                    | S/T       | 0.50               | 0.59               | 0.67               | 0.67               | 0.76               | 0.53               | 0.62               | 0.71               | 0.71               | 0.81               | 0.56               | 0.66               | 0.75               | 0.75               | 0.86               | 0.60           | 0.70  | 0.80  | 0.80  | 0.91  |
|                  |                    | PI        | 1.50               | 1.50               | 1.50               | 1.50               | 1.50               | 1.59               | 1.59               | 1.59               | 1.59               | 1.59               | 1.68               | 1.69               | 1.69               | 1.69               | 1.69               | 1.79           | 1.79  | 1.79  | 1.79  | 1.79  |
|                  | 68°F<br>(20.0°C)   | TC        | 27933              | 27971              | 28001              | 28002              | 28040              | 29617              | 29652              | 29681              | 29687              | 29722              | 31386              | 31427              | 31462              | 31468              | 31503              | 33277          | 33313 | 33349 | 33355 | 33396 |
|                  |                    | S/T       | 0.51               | 0.60               | 0.69               | 0.69               | 0.78               | 0.54               | 0.64               | 0.73               | 0.73               | 0.83               | 0.58               | 0.68               | 0.77               | 0.77               | 0.88               | 0.61           | 0.72  | 0.82  | 0.82  | 0.93  |
|                  |                    | PI        | 1.62               | 1.62               | 1.62               | 1.62               | 1.62               | 1.71               | 1.72               | 1.72               | 1.72               | 1.72               | 1.82               | 1.82               | 1.82               | 1.82               | 1.82               | 1.93           | 1.93  | 1.93  | 1.93  | 1.93  |
|                  | 77°F<br>(25.0°C)   | TC        | 28687              | 28726              | 28757              | 28758              | 28797              | 30416              | 30452              | 30482              | 30488              | 30524              | 32233              | 32275              | 32311              | 32317              | 32353              | 34175          | 34213 | 34250 | 34255 | 34298 |
|                  |                    | S/T       | 0.52               | 0.61               | 0.69               | 0.69               | 0.79               | 0.55               | 0.65               | 0.74               | 0.74               | 0.84               | 0.59               | 0.69               | 0.78               | 0.78               | 0.89               | 0.62           | 0.73  | 0.83  | 0.83  | 0.94  |
|                  |                    | PI        | 1.74               | 1.74               | 1.74               | 1.74               | 1.74               | 1.84               | 1.84               | 1.84               | 1.84               | 1.85               | 1.95               | 1.95               | 1.95               | 1.96               | 1.96               | 2.07           | 2.07  | 2.07  | 2.07  | 2.07  |
|                  | 82°F<br>(27.8°C)   | TC        | 28137              | 28175              | 28205              | 28206              | 28244              | 29832              | 29868              | 29897              | 29903              | 29939              | 31615              | 31656              | 31691              | 31697              | 31732              | 33520          | 33556 | 33592 | 33598 | 33640 |
|                  |                    | S/T       | 0.53               | 0.62               | 0.70               | 0.70               | 0.80               | 0.56               | 0.66               | 0.75               | 0.75               | 0.85               | 0.59               | 0.70               | 0.79               | 0.79               | 0.90               | 0.63           | 0.74  | 0.84  | 0.84  | 0.95  |
|                  |                    | PI        | 1.81               | 1.81               | 1.81               | 1.81               | 1.82               | 1.92               | 1.92               | 1.92               | 1.92               | 1.93               | 2.03               | 2.04               | 2.04               | 2.04               | 2.04               | 2.16           | 2.16  | 2.16  | 2.16  | 2.16  |
|                  | 86°F<br>(30.0°C)   | TC        | 26473              | 26508              | 26537              | 26538              | 26574              | 28068              | 28101              | 28129              | 28135              | 28168              | 29745              | 29784              | 29817              | 29822              | 29856              | 31537          | 31572 | 31606 | 31611 | 31650 |
|                  |                    | S/T       | 0.53               | 0.63               | 0.71               | 0.71               | 0.81               | 0.57               | 0.66               | 0.75               | 0.75               | 0.86               | 0.60               | 0.70               | 0.80               | 0.80               | 0.91               | 0.64           | 0.75  | 0.85  | 0.85  | 0.97  |
|                  |                    | PI        | 1.88               | 1.88               | 1.89               | 1.89               | 1.89               | 1.99               | 2.00               | 2.00               | 2.00               | 2.00               | 2.11               | 2.12               | 2.12               | 2.12               | 2.12               | 2.24           | 2.    |       |       |       |

**Table 54 — Ceiling/Floor Console Heating Performance (24K)**

HEATING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 24 (Sheet 1 of 2)

| AIRFLOW<br>(CFM) | OUTDOOR<br>DB(°F) | TC: Total Heating Capacity (BTU/hr) |                  |                  |                    |                    | PI: Power Input (kW)      |                  |                  |                    |                    |
|------------------|-------------------|-------------------------------------|------------------|------------------|--------------------|--------------------|---------------------------|------------------|------------------|--------------------|--------------------|
|                  |                   | Indoor Conditions (DB °F)           |                  |                  |                    |                    | Indoor Conditions (DB °F) |                  |                  |                    |                    |
|                  |                   | 60.8°F<br>(16.0°C)                  | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) | 60.8°F<br>(16.0°C)        | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) |
| 453              | -22°F(-30.0°C)    | 9915                                | 9716             | 9668             | 8005               | 7933               | 2.22                      | 2.24             | 2.24             | 2.25               | 2.25               |
|                  | -13°F(-25.0°C)    | 13186                               | 12923            | 12858            | 10238              | 10146              | 2.35                      | 2.37             | 2.38             | 2.38               | 2.39               |
|                  | -4°F(-20.0°C)     | 16359                               | 16032            | 15952            | 12701              | 12587              | 2.52                      | 2.55             | 2.55             | 2.56               | 2.57               |
|                  | 0°F(-17.8°C)      | 19752                               | 19357            | 19260            | 15335              | 15197              | 2.80                      | 2.83             | 2.83             | 2.84               | 2.85               |
|                  | 5°F(-15.0°C)      | 23993                               | 23514            | 23396            | 18628              | 18460              | 3.15                      | 3.18             | 3.19             | 3.19               | 3.21               |
|                  | 14°F(-10.0°C)     | 23324                               | 22858            | 22743            | 18109              | 17946              | 2.86                      | 2.88             | 2.88             | 2.89               | 2.90               |
|                  | 17°F(-8.3°C)      | 23101                               | 22639            | 22526            | 17935              | 17774              | 2.76                      | 2.78             | 2.78             | 2.79               | 2.80               |
|                  | 22°F(-5.6°C)      | 24440                               | 23951            | 23832            | 18975              | 18804              | 2.81                      | 2.84             | 2.84             | 2.85               | 2.86               |
|                  | 27°F(-2.8°C)      | 25779                               | 25264            | 25138            | 20015              | 19835              | 2.87                      | 2.89             | 2.90             | 2.90               | 2.92               |
|                  | 32°F(0.0°C)       | 27119                               | 26576            | 26443            | 21055              | 20865              | 2.92                      | 2.95             | 2.95             | 2.96               | 2.97               |
|                  | 35°F(1.7°C)       | 27922                               | 27364            | 27227            | 21678              | 21483              | 2.96                      | 2.98             | 2.99             | 2.99               | 3.01               |
|                  | 37°F(2.8°C)       | 28143                               | 27580            | 27442            | 21850              | 21653              | 2.88                      | 2.90             | 2.91             | 2.91               | 2.92               |
|                  | 42°F(5.6°C)       | 28696                               | 28122            | 27981            | 22279              | 22078              | 2.67                      | 2.69             | 2.70             | 2.71               | 2.72               |
|                  | 44.6°F(7.0°C)     | 28917                               | 28338            | 28197            | 22451              | 22248              | 2.59                      | 2.61             | 2.62             | 2.62               | 2.63               |
|                  | 47°F(8.3°C)       | 29248                               | 28663            | 28520            | 22708              | 22503              | 2.47                      | 2.49             | 2.49             | 2.50               | 2.51               |
|                  | 52°F(11.1°C)      | 28885                               | 28307            | 28166            | 22426              | 22224              | 2.22                      | 2.23             | 2.24             | 2.24               | 2.25               |
|                  | 57°F(13.9°C)      | 28522                               | 27951            | 27812            | 22144              | 21945              | 1.96                      | 1.98             | 1.98             | 1.99               | 1.99               |
| 606              | 59°F(15.0°C)      | 28377                               | 27809            | 27670            | 22031              | 21833              | 1.86                      | 1.88             | 1.88             | 1.88               | 1.89               |
|                  | 62°F(16.7°C)      | 28159                               | 27595            | 27458            | 21862              | 21665              | 1.71                      | 1.72             | 1.73             | 1.73               | 1.74               |
|                  | 64.4°F(18.0°C)    | 28013                               | 27453            | 27316            | 21749              | 21553              | 1.61                      | 1.62             | 1.63             | 1.63               | 1.63               |
|                  | -22°F(-30.0°C)    | 10226                               | 10021            | 9971             | 9055               | 8974               | 2.24                      | 2.26             | 2.26             | 2.27               | 2.28               |
|                  | -13°F(-25.0°C)    | 13336                               | 13069            | 13004            | 11580              | 11476              | 2.38                      | 2.40             | 2.40             | 2.41               | 2.42               |
|                  | -4°F(-20.0°C)     | 16544                               | 16214            | 16132            | 14366              | 14237              | 2.55                      | 2.57             | 2.58             | 2.58               | 2.59               |
|                  | 0°F(-17.8°C)      | 19976                               | 19576            | 19478            | 17346              | 17190              | 2.83                      | 2.86             | 2.86             | 2.87               | 2.88               |
|                  | 5°F(-15.0°C)      | 24265                               | 23780            | 23661            | 21071              | 20881              | 3.19                      | 3.21             | 3.22             | 3.22               | 3.24               |
|                  | 14°F(-10.0°C)     | 23588                               | 23117            | 23001            | 20483              | 20299              | 2.88                      | 2.91             | 2.91             | 2.92               | 2.93               |
|                  | 17°F(-8.3°C)      | 23363                               | 22895            | 22781            | 20287              | 20104              | 2.78                      | 2.81             | 2.81             | 2.82               | 2.83               |
|                  | 22°F(-5.6°C)      | 24717                               | 24223            | 24102            | 21463              | 21270              | 2.84                      | 2.86             | 2.87             | 2.88               | 2.89               |
|                  | 27°F(-2.8°C)      | 26071                               | 25550            | 25422            | 22639              | 22435              | 2.90                      | 2.92             | 2.93             | 2.93               | 2.94               |
|                  | 32°F(0.0°C)       | 27426                               | 26877            | 26743            | 23815              | 23601              | 2.95                      | 2.98             | 2.98             | 2.99               | 3.00               |
|                  | 35°F(1.7°C)       | 28238                               | 27674            | 27535            | 24521              | 24300              | 2.99                      | 3.01             | 3.02             | 3.02               | 3.04               |
|                  | 37°F(2.8°C)       | 28462                               | 27893            | 27753            | 24715              | 24492              | 2.91                      | 2.93             | 2.94             | 2.94               | 2.95               |
|                  | 42°F(5.6°C)       | 29021                               | 28440            | 28298            | 25200              | 24973              | 2.70                      | 2.72             | 2.73             | 2.73               | 2.74               |
|                  | 44.6°F(7.0°C)     | 29244                               | 28659            | 28516            | 25394              | 25166              | 2.62                      | 2.64             | 2.64             | 2.65               | 2.66               |
| 706              | 47°F(8.3°C)       | 29579                               | 28988            | 28843            | 25685              | 25454              | 2.49                      | 2.51             | 2.52             | 2.52               | 2.53               |
|                  | 52°F(11.1°C)      | 29212                               | 28628            | 28485            | 25366              | 25138              | 2.24                      | 2.26             | 2.26             | 2.27               | 2.27               |
|                  | 57°F(13.9°C)      | 28845                               | 28268            | 28127            | 25047              | 24822              | 1.98                      | 2.00             | 2.00             | 2.01               | 2.01               |
|                  | 59°F(15.0°C)      | 28698                               | 28124            | 27983            | 24920              | 24696              | 1.88                      | 1.90             | 1.90             | 1.90               | 1.91               |
|                  | 62°F(16.7°C)      | 28478                               | 27908            | 27769            | 24728              | 24506              | 1.73                      | 1.74             | 1.74             | 1.75               | 1.76               |
|                  | 64.4°F(18.0°C)    | 28331                               | 27764            | 27625            | 24601              | 24379              | 1.63                      | 1.64             | 1.64             | 1.64               | 1.65               |
|                  | -22°F(-30.0°C)    | 10546                               | 10335            | 10284            | 10242              | 10150              | 2.26                      | 2.28             | 2.29             | 2.29               | 2.30               |
|                  | -13°F(-25.0°C)    | 13487                               | 13217            | 13151            | 13098              | 12981              | 2.40                      | 2.42             | 2.43             | 2.43               | 2.44               |
|                  | -4°F(-20.0°C)     | 16732                               | 16397            | 16315            | 16250              | 16104              | 2.58                      | 2.60             | 2.60             | 2.61               | 2.62               |
|                  | 0°F(-17.8°C)      | 20202                               | 19798            | 19699            | 19620              | 19444              | 2.86                      | 2.88             | 2.89             | 2.90               | 2.91               |
|                  | 5°F(-15.0°C)      | 24540                               | 24049            | 23929            | 23833              | 23619              | 3.22                      | 3.24             | 3.25             | 3.26               | 3.27               |
|                  | 14°F(-10.0°C)     | 23856                               | 23378            | 23262            | 23168              | 22960              | 2.91                      | 2.94             | 2.94             | 2.95               | 2.96               |
|                  | 17°F(-8.3°C)      | 23627                               | 23155            | 23039            | 22947              | 22740              | 2.81                      | 2.83             | 2.84             | 2.85               | 2.86               |
|                  | 22°F(-5.6°C)      | 24997                               | 24497            | 24375            | 24277              | 24059              | 2.87                      | 2.89             | 2.90             | 2.90               | 2.92               |
|                  | 27°F(-2.8°C)      | 26367                               | 25839            | 25710            | 25607              | 25377              | 2.93                      | 2.95             | 2.96             | 2.96               | 2.97               |
|                  | 32°F(0.0°C)       | 27737                               | 27182            | 27046            | 26938              | 26695              | 2.98                      | 3.01             | 3.01             | 3.02               | 3.03               |
|                  | 35°F(1.7°C)       | 28558                               | 27987            | 27847            | 27736              | 27486              | 3.02                      | 3.04             | 3.05             | 3.06               | 3.07               |
|                  | 37°F(2.8°C)       | 28784                               | 28209            | 28068            | 27955              | 27704              | 2.94                      | 2.96             | 2.96             | 2.97               | 2.98               |
|                  | 42°F(5.6°C)       | 29349                               | 28762            | 28619            | 28504              | 28248              | 2.73                      | 2.75             | 2.75             | 2.76               | 2.77               |
|                  | 44.6°F(7.0°C)     | 29575                               | 28984            | 28839            | 28724              | 28465              | 2.64                      | 2.67             | 2.67             | 2.68               | 2.69               |
|                  | 47°F(8.3°C)       | 29914                               | 29316            | 29170            | 29053              | 28791              | 2.52                      | 2.54             | 2.54             | 2.55               | 2.56               |
|                  | 52°F(11.1°C)      | 29543                               | 28952            | 28807            | 28692              | 28434              | 2.26                      | 2.28             | 2.28             | 2.29               | 2.30               |
|                  | 57°F(13.9°C)      | 29172                               | 28588            | 28445            | 28331              | 28076              | 2.00                      | 2.02             | 2.02             | 2.03               | 2.04               |
|                  | 59°F(15.0°C)      | 29023                               | 28443            | 28300            | 28187              | 27933              | 1.90                      | 1.91             | 1.92             | 1.92               | 1.93               |
|                  | 62°F(16.7°C)      | 28800                               | 28224            | 28083            | 27971              | 27719              | 1.74                      | 1.76             | 1.76             | 1.77               | 1.77               |
|                  | 64.4°F(18.0°C)    | 28652                               | 28079            | 27938            | 27826              | 27576              | 1.64                      | 1.65             | 1.66             | 1.66               | 1.67               |

HEATING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE SIZE 24 (Sheet 2 of 2)

| AIRFLOW<br>(CFM) | OUTDOOR<br>DB(°F) | TC: Total Heating Capacity (BTU/hr) |                  |                  |                    |                    | PI: Power Input (kW)      |                  |                  |                    |                    |
|------------------|-------------------|-------------------------------------|------------------|------------------|--------------------|--------------------|---------------------------|------------------|------------------|--------------------|--------------------|
|                  |                   | Indoor Conditions (DB °F)           |                  |                  |                    |                    | Indoor Conditions (DB °F) |                  |                  |                    |                    |
|                  |                   | 60.8°F<br>(16.0°C)                  | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) | 60.8°F<br>(16.0°C)        | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) |
| 735              | -22°F(-30.0°C)    | 10666                               | 10452            | 10400            | 10358              | 10265              | 2.29                      | 2.30             | 2.31             | 2.31               | 2.32               |
|                  | -13°F(-25.0°C)    | 13640                               | 13367            | 13300            | 13247              | 13128              | 2.43                      | 2.45             | 2.45             | 2.46               | 2.47               |
|                  | -4°F(-20.0°C)     | 16921                               | 16583            | 16500            | 16434              | 16286              | 2.60                      | 2.62             | 2.63             | 2.63               | 2.64               |
|                  | 0°F(-17.8°C)      | 20431                               | 20022            | 19922            | 19843              | 19664              | 2.89                      | 2.91             | 2.92             | 2.93               | 2.94               |
|                  | 5°F(-15.0°C)      | 24818                               | 24322            | 24200            | 24103              | 23886              | 3.25                      | 3.28             | 3.28             | 3.29               | 3.30               |
|                  | 14°F(-10.0°C)     | 24126                               | 23643            | 23525            | 23431              | 23220              | 2.94                      | 2.97             | 2.97             | 2.98               | 2.99               |
|                  | 17°F(-8.3°C)      | 23895                               | 23417            | 23300            | 23207              | 22998              | 2.84                      | 2.86             | 2.87             | 2.88               | 2.89               |
|                  | 22°F(-5.6°C)      | 25280                               | 24775            | 24651            | 24552              | 24331              | 2.90                      | 2.92             | 2.93             | 2.93               | 2.95               |
|                  | 27°F(-2.8°C)      | 26665                               | 26132            | 26001            | 25897              | 25664              | 2.96                      | 2.98             | 2.99             | 2.99               | 3.00               |
|                  | 32°F(-0.0°C)      | 28051                               | 27490            | 27352            | 27243              | 26998              | 3.01                      | 3.04             | 3.04             | 3.05               | 3.06               |
|                  | 35°F(1.7°C)       | 28882                               | 28304            | 28163            | 28050              | 27798              | 3.05                      | 3.07             | 3.08             | 3.09               | 3.10               |
|                  | 37°F(2.8°C)       | 29110                               | 28528            | 28386            | 28272              | 28018              | 2.96                      | 2.99             | 2.99             | 3.00               | 3.01               |
|                  | 42°F(5.6°C)       | 29682                               | 29088            | 28943            | 28827              | 28568              | 2.75                      | 2.78             | 2.78             | 2.79               | 2.80               |
|                  | 44.6°F(7.0°C)     | 29910                               | 29312            | 29166            | 29049              | 28788              | 2.67                      | 2.69             | 2.70             | 2.70               | 2.71               |
|                  | 47°F(8.3°C)       | 30253                               | 29648            | 29500            | 29382              | 29118              | 2.54                      | 2.56             | 2.57             | 2.58               | 2.59               |
|                  | 52°F(11.1°C)      | 29878                               | 29280            | 29134            | 29017              | 28756              | 2.28                      | 2.30             | 2.31             | 2.31               | 2.32               |
|                  | 57°F(13.9°C)      | 29502                               | 28912            | 28767            | 28652              | 28394              | 2.02                      | 2.04             | 2.04             | 2.05               | 2.06               |
|                  | 59°F(15.0°C)      | 29352                               | 28765            | 28621            | 28506              | 28250              | 1.92                      | 1.93             | 1.94             | 1.94               | 1.95               |
|                  | 62°F(16.7°C)      | 29126                               | 28544            | 28401            | 28288              | 28033              | 1.76                      | 1.78             | 1.78             | 1.78               | 1.79               |
|                  | 64.4°F(18.0°C)    | 28976                               | 28397            | 28255            | 28142              | 27888              | 1.66                      | 1.67             | 1.67             | 1.68               | 1.68               |

## APPLICATION DATA

### Unit Selections

Select equipment that either matches or supports slightly more than the anticipated peak load. This provides better humidity control, fewer unit cycles, and less part-load operation.

For units used in spaces with high sensible loads, base equipment selection on unit sensible load, not on total anticipated load. Adjust for anticipated room wet bulb temperature to avoid undersizing the equipment.

### Unit Mounting (Outdoor)

Refer to the unit's installation instructions for further details.

**Unit leveling** - For reliable operation, units should be level in all planes.

**Clearance** - Minimum clearance (see Fig. 6 – on page 6 ) must be provided for airflow. The condensing units are designed for free-flow application. Air inlets and outlets should not be restricted.

**Unit location** - A location which is convenient to installation and not exposed to strong winds. A location that can bear the weight of the outdoor unit and where the outdoor unit can be mounted in a level position.

Do not install the indoor or outdoor units in a location with special environmental conditions. For those applications, contact your sales representative.

### System Operating Conditions

#### OPERATING RANGE MIN/MAX °F / °C

All sizes 6-33 (208/230V):

- Cooling: -22/122 (-30/55)
- Heating: -22/75 (-30/30)

**NOTE:** Without intervention, the unit may continue to run at temperatures outside of the specified operating temperatures. However, operation outside of the specified temperature range may result in decreased performance and may cause damage to the unit.

### METERING DEVICES

The outdoor unit has an electronic expansion valve to manage the refrigerant flow of the connected fan coil.

### DRAIN CONNECTIONS

Install drains to meet the local sanitation codes.

### REFRIGERANT LINES

#### General refrigerant line sizing:

1. The outdoor units are shipped with a full charge of R454B refrigerant. All charges, line sizing, and capacities are based on runs of 25 ft. (7.6 m). For runs over 25 ft. (7.6 m), review Table 2 for the proper refrigerant charge.
2. Refrigerant lines should not be buried in the ground. If it is necessary to bury the lines, do not bury more than 36-in (914 mm). Provide a minimum 6-in (152 mm) vertical rise to the service valves to prevent refrigerant migration.
3. Both lines must be insulated. Use a minimum of 1/2-in. (12.7 mm) thick insulation. Closed-cell insulation is recommended in all long-line applications.
4. Special consideration should be given to isolating the interconnecting tubing from the building structure. Isolate the tubing so vibration or noise is not transmitted into the structure.

#### Long Line Applications:

1. No change in line sizing is required.
2. For additional refrigerant charge, see Table 2.



## CAUTION

When the outdoor unit is matched with a Multi-Family or Residential Fan Coil where there is the need to braze the piping on the fan coil side it is **REQUIRED** to flow Nitrogen in the system while brazing the line set since a filter drier is not recommended to be used with these condensing units.

## WIRING

All wires must be sized per NEC (National Electrical Code) or CEC (Canadian Electrical Code) and local codes. Use Electrical Data table MCA (minimum circuit amps) and MOC (maximum over current protection) to correctly size the wires and the disconnect fuse or breakers respectively.

### Recommended Connection Method for Power and Communication Wiring:

The main power is supplied to the outdoor unit. The field supplied 14/3 power/communication wiring, from the outdoor unit to the indoor unit, consists of four (4) wires and provides the power for the indoor unit. Two wires are high voltage AC power, one is communication wiring and the other is a ground wire. Wiring between indoor and outdoor unit is polarity sensitive. The use of BX wire is **NOT** recommended.

If installed in a high Electromagnetic field (EMF) area and communication issues exists, a 14/2 stranded shielded wire can be used to replace L2 and (S) between outdoor unit and indoor unit landing the shield onto ground in the outdoor unit only.


**CAUTION**

**EQUIPMENT DAMAGE HAZARD**

Failure to follow this caution may result in equipment damage or improper operation.


**CAUTION**

#### EQUIPMENT DAMAGE HAZARD

Failure to follow this caution may result in equipment damage or improper operation.

Be sure to comply with local codes while running wire from the indoor unit to the outdoor unit.

Every wire must be connected firmly. Loose wiring may cause the terminal to overheat or result in unit malfunction. A fire hazard may also exist. Ensure all wiring is tightly connected.

No wire should touch the refrigerant tubing, compressor or any moving parts.

Disconnecting means must be provided and shall be located within sight and readily accessible from the air conditioner.

## ELECTRICAL DATA

| Outdoor Unit            |   | 6K            | 9K | 12K | 18K | 24K  | 33K |
|-------------------------|---|---------------|----|-----|-----|------|-----|
| Voltage-Phase-Frequency |   | 208/230V-1-60 |    |     |     |      |     |
| Max – Min Voltage Range |   | 253-187       |    |     |     |      |     |
| MCA                     | A | 12            | 15 | 15  | 19  | 24.9 | 34  |
| MOP                     | A | 15            | 15 | 15  | 20  | 25   | 35  |

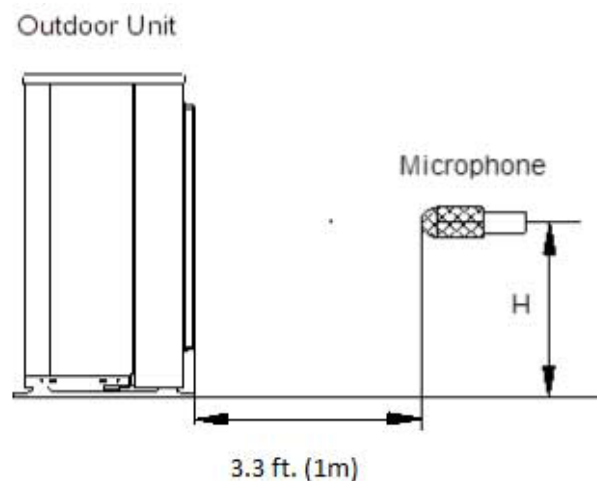
## AIR PRESSURE

| OUTDOOR MODEL                  |     | D5CSHAH06AAK | D5CSHAH09AAK | D5CSHAH12AAK | D5CSHAH18AAK | D5CSHAH24AAK | D5CSHAH33AAK |
|--------------------------------|-----|--------------|--------------|--------------|--------------|--------------|--------------|
| OUTDOOR AIRFLOW SPECIFICATIONS | CFM | 1235.29      | 1470.59      | 1470.59      | 1764.71      | 2235.29      | 2235.29      |

## SOUND PRESSURE

| OUTDOOR MODEL                 |       | D5CSHAH06AAK | D5CSHAH09AAK | D5CSHAH12AAK | D5CSHAH18AAK | D5CSHAH24AAK | D5CSHAH33AAK |
|-------------------------------|-------|--------------|--------------|--------------|--------------|--------------|--------------|
| OUTDOOR SOUND PRESSURE LEVELS | dB(A) | 53           | 56           | 56           | 59           | 61.5         | 63           |

### Outdoor Unit Sound Pressure Test Conditions



A220462

**Fig. 9 —Outdoor Unit Sound Pressure Test**

**NOTE:**  $H = 0.5 \times \text{Height of outdoor unit}$

CONNECTION DIAGRAMS

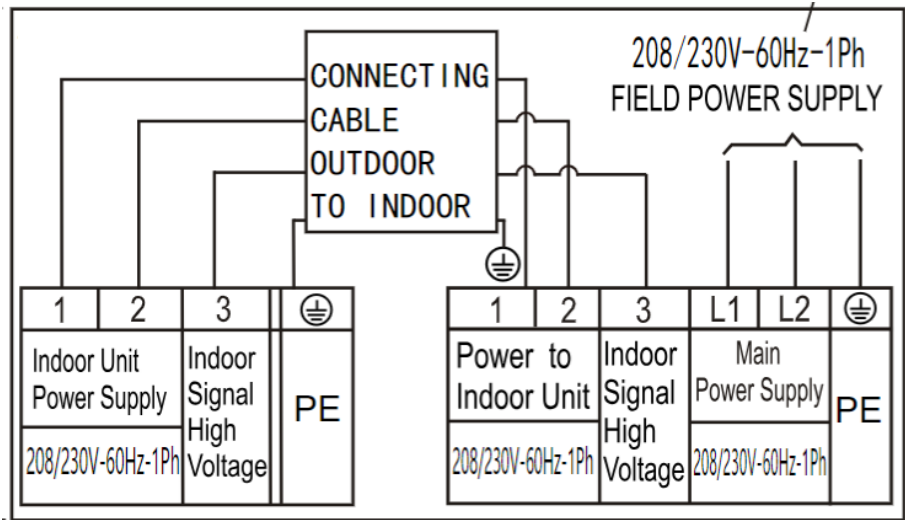


Fig. 10 —Connection Diagram Sizes 6K-33K (208/230-1-60V)

WIRING DIAGRAMS

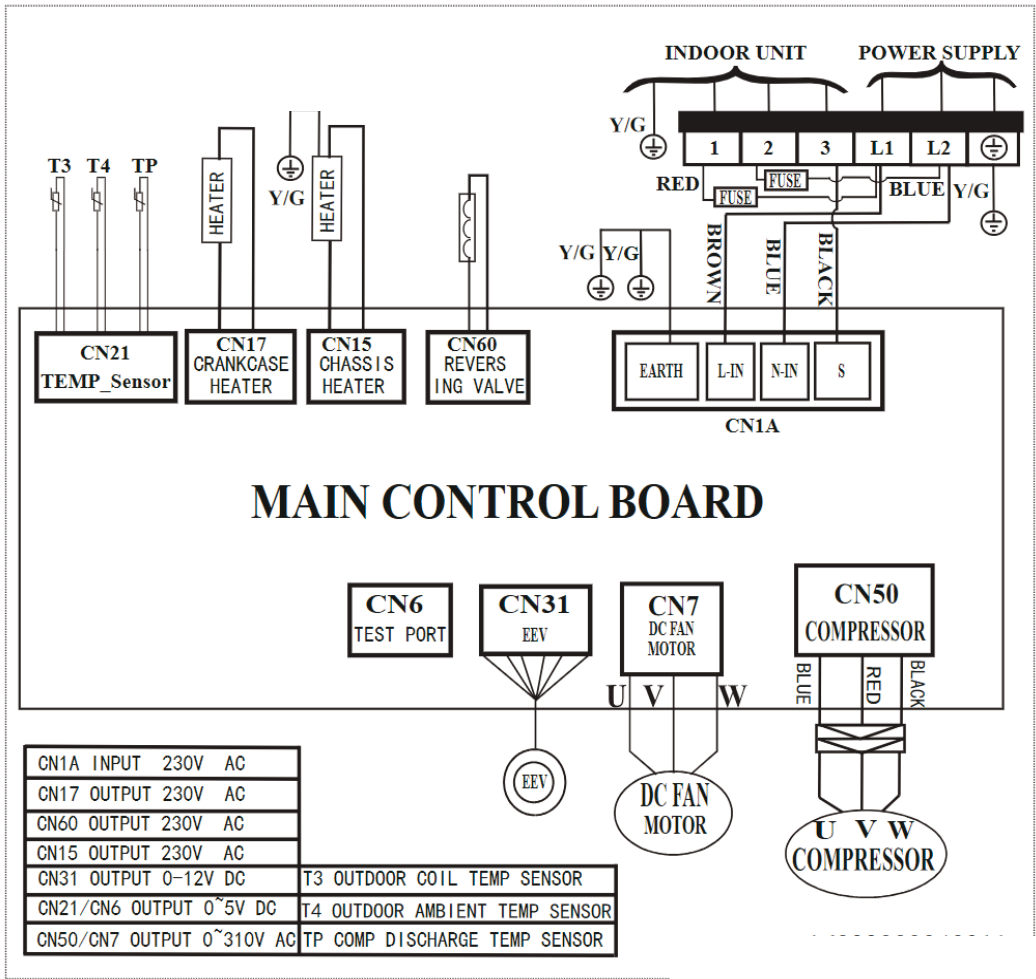


Fig. 11 —Wiring Diagram Sizes 6K/9K/12K

WIRING DIAGRAMS (CONT)

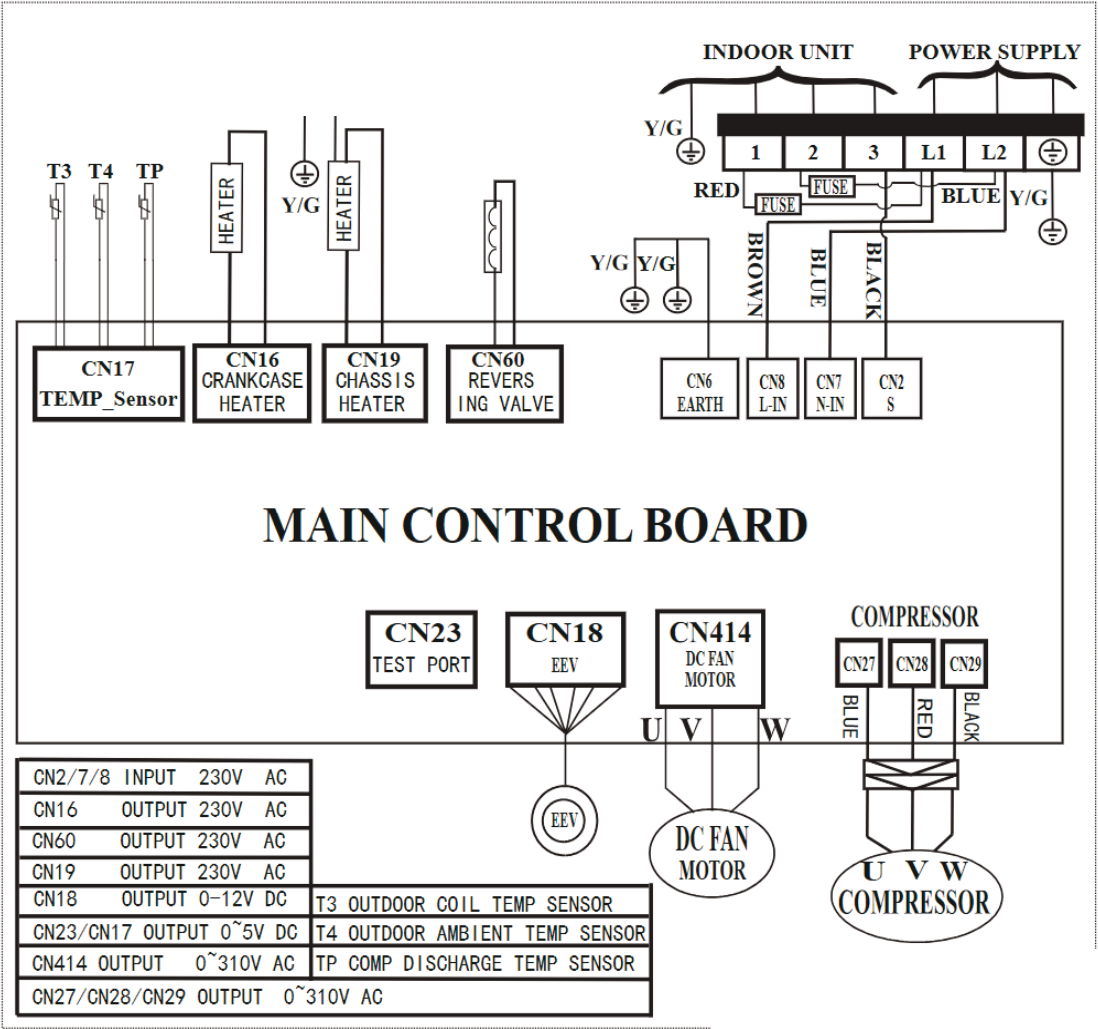


Fig. 12 — Wiring Diagram - Sizes 18K

## WIRING DIAGRAMS (CONTINUED)

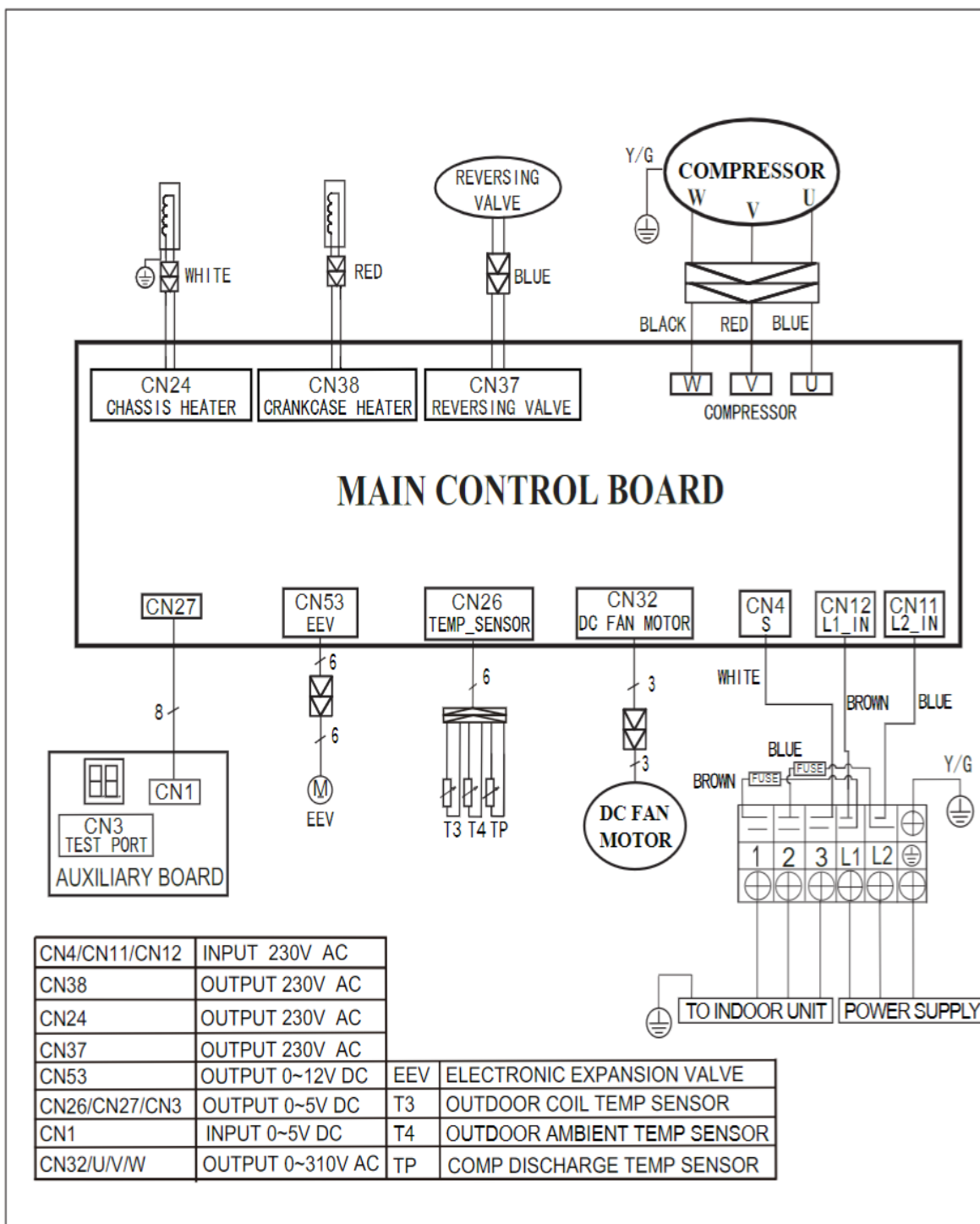


**Fig. 13 — Wiring Diagram Size 24K**

WIRING DIAGRAMS (CONTINUED)

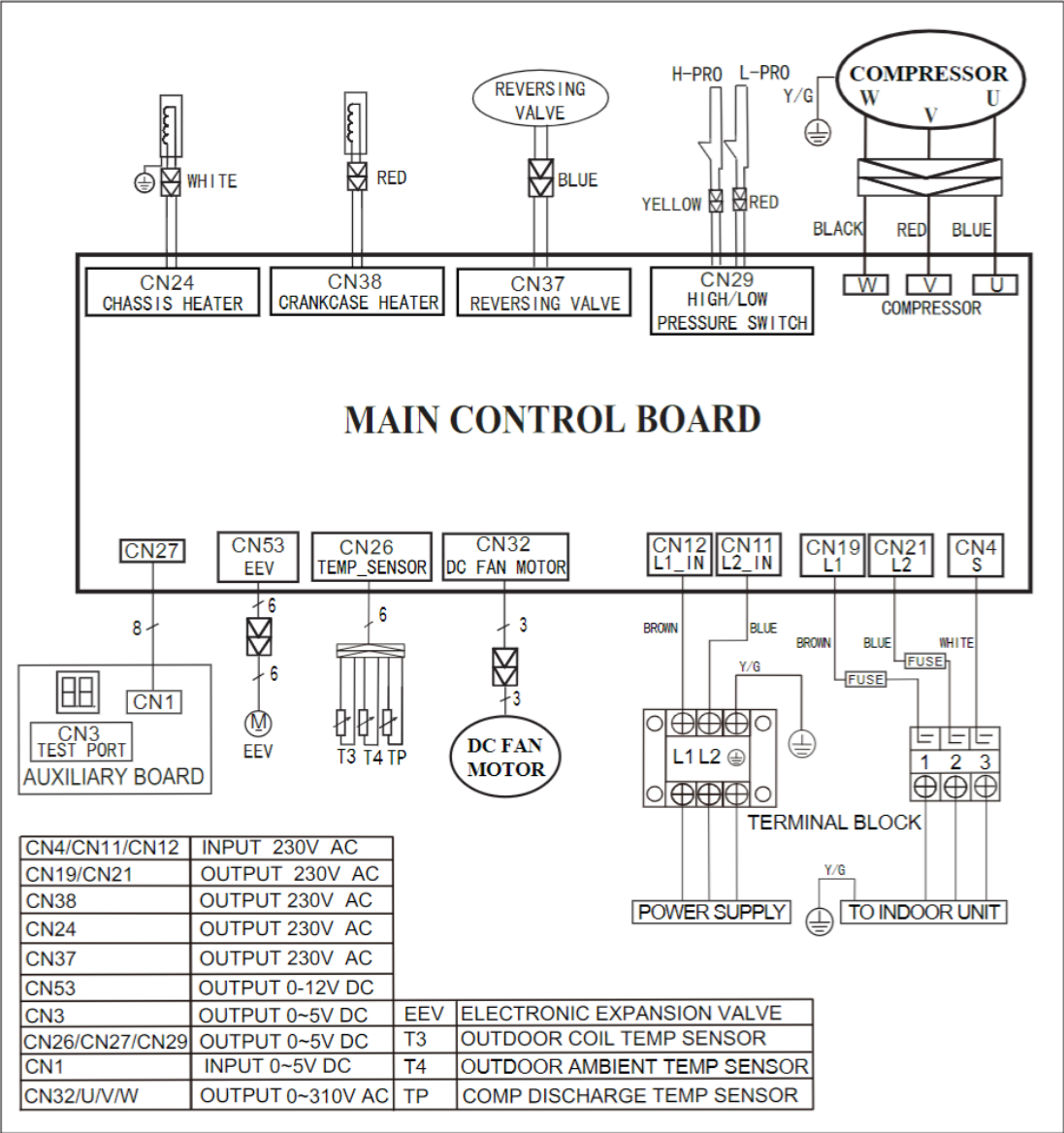


Fig. 14 — Wiring Diagram Sizes 33K

## REFRIGERANT CYCLE DIAGRAMS

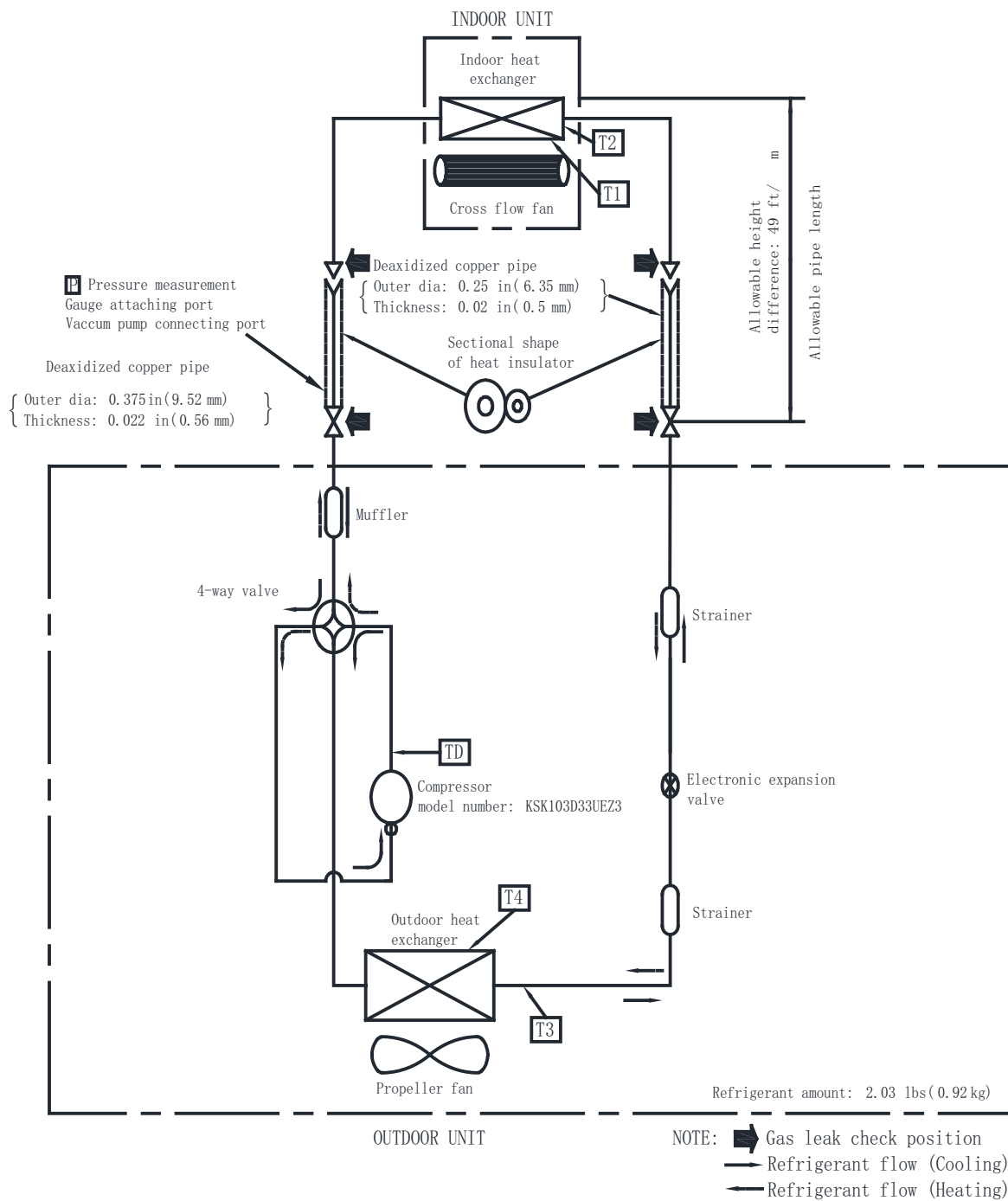


Fig. 15 —Size 6K

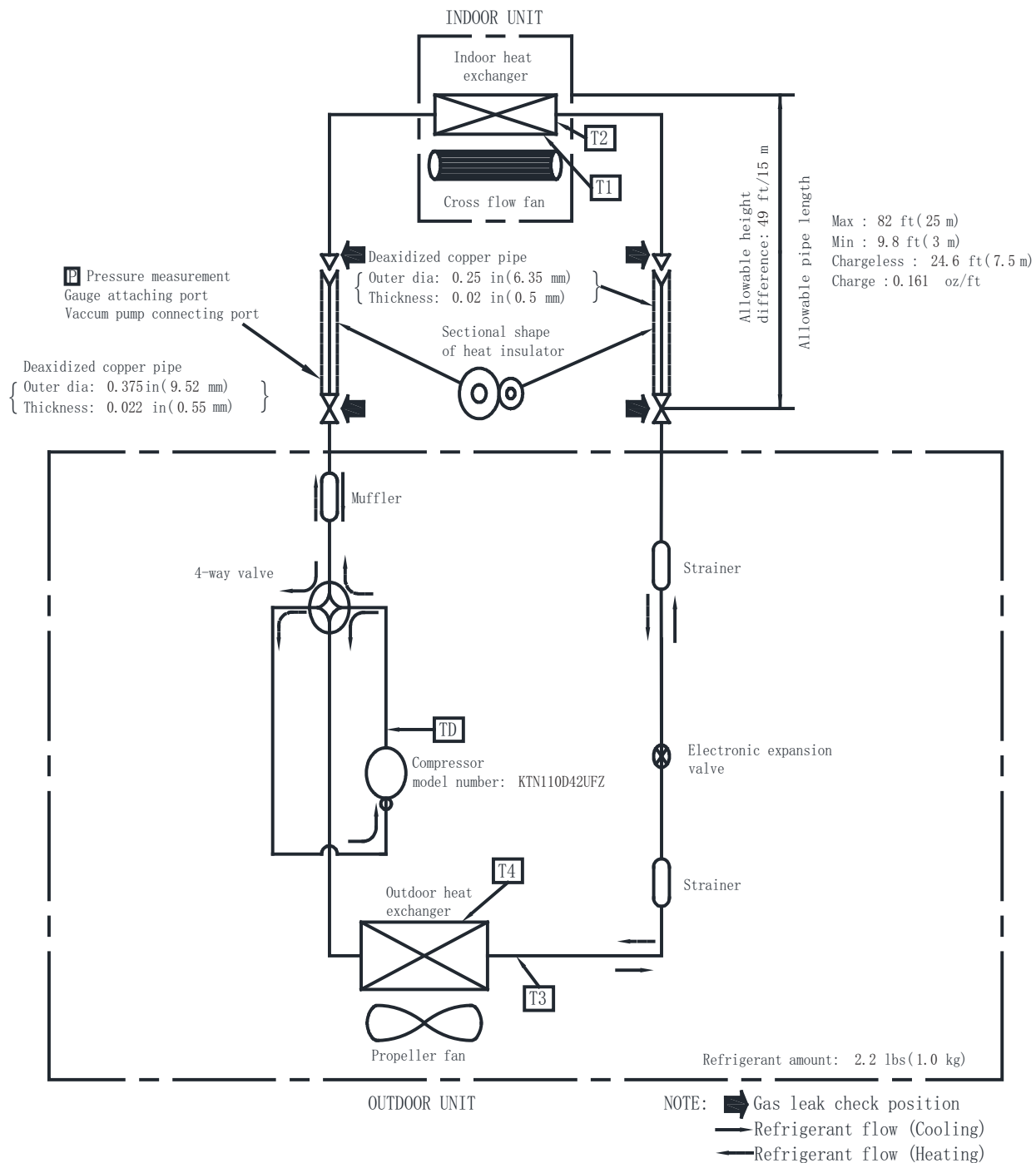


Fig. 16 —Size 9K/12K

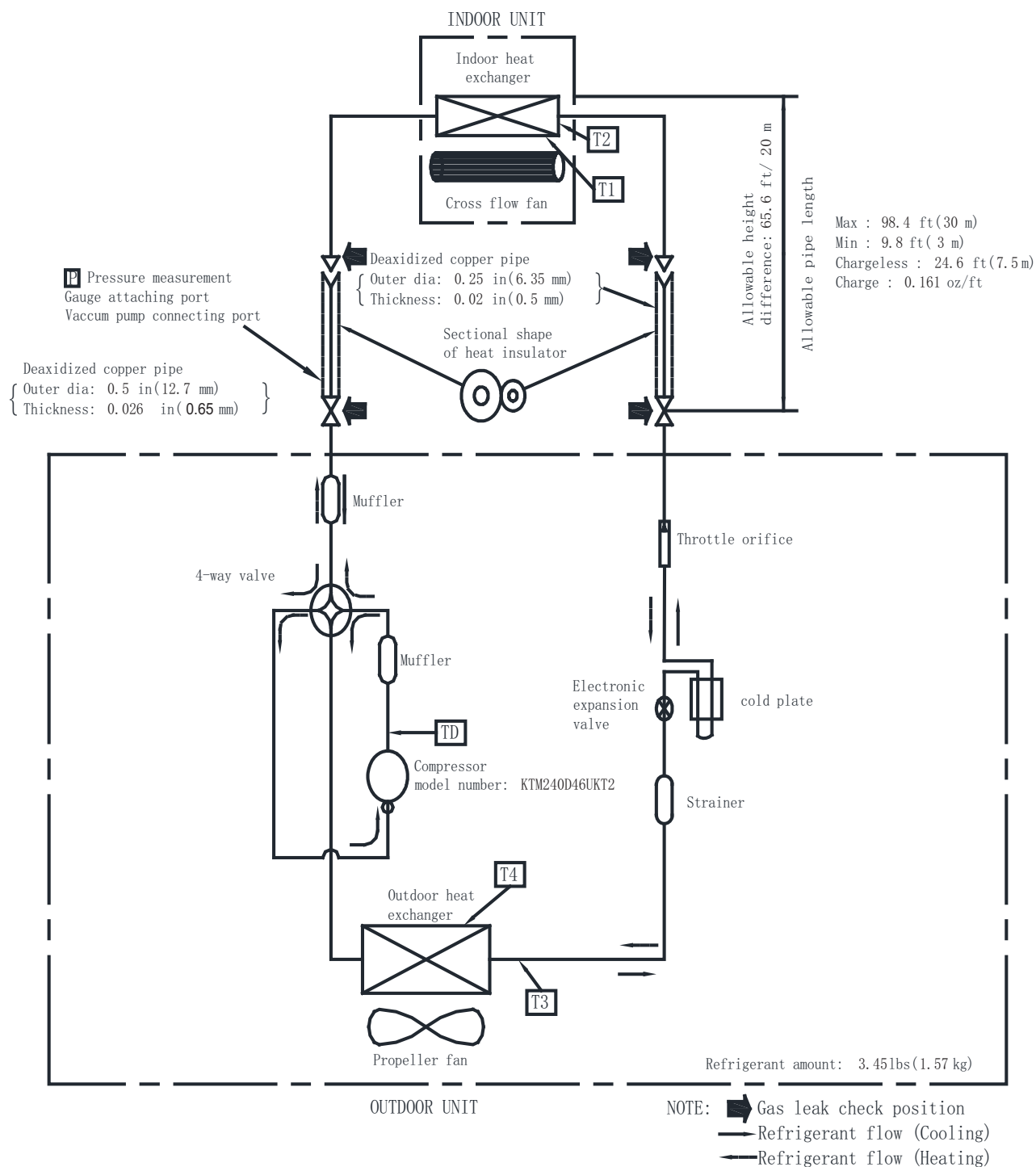


Fig. 17 —Size 18K

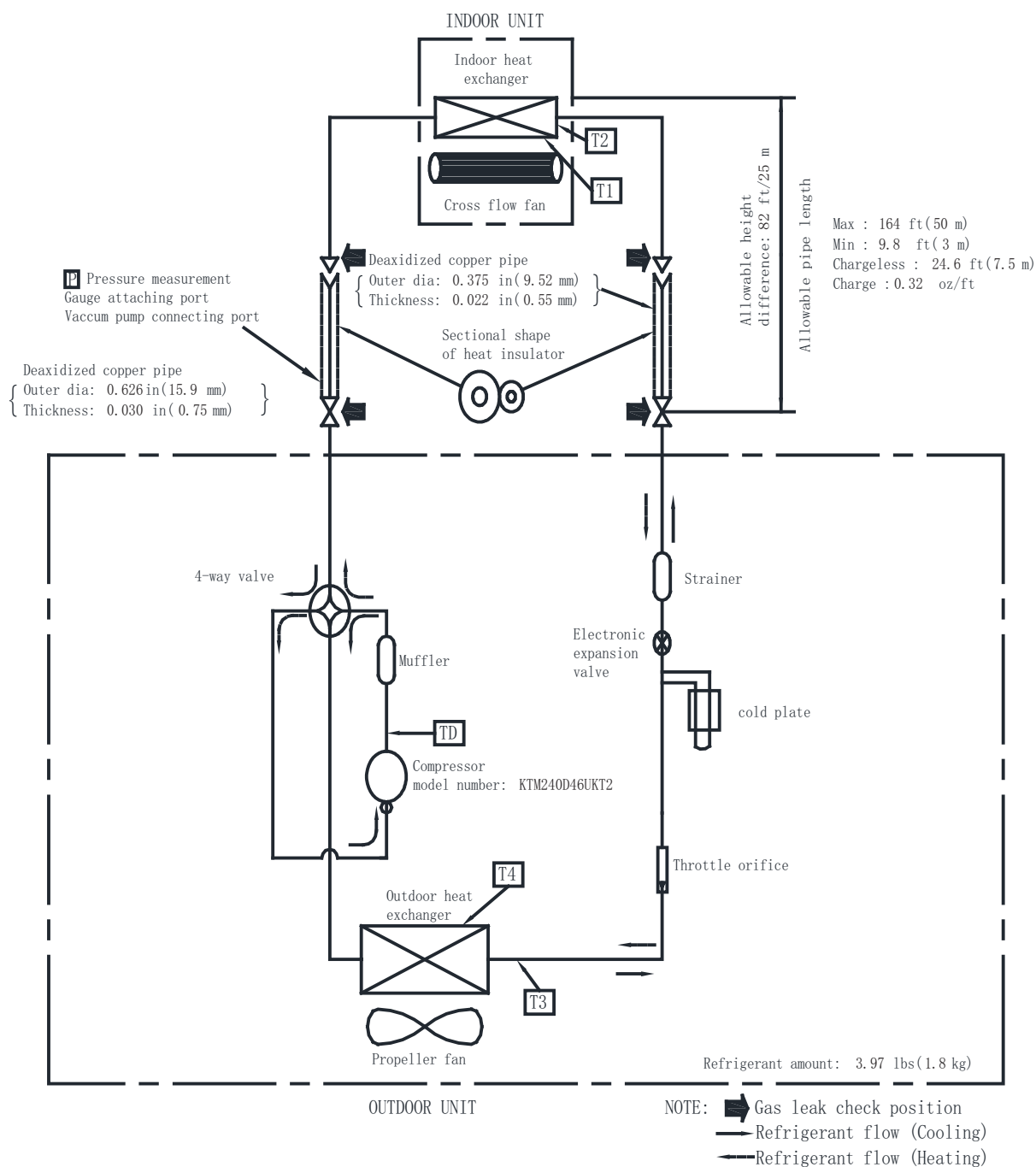


Fig. 18 —Size 24K

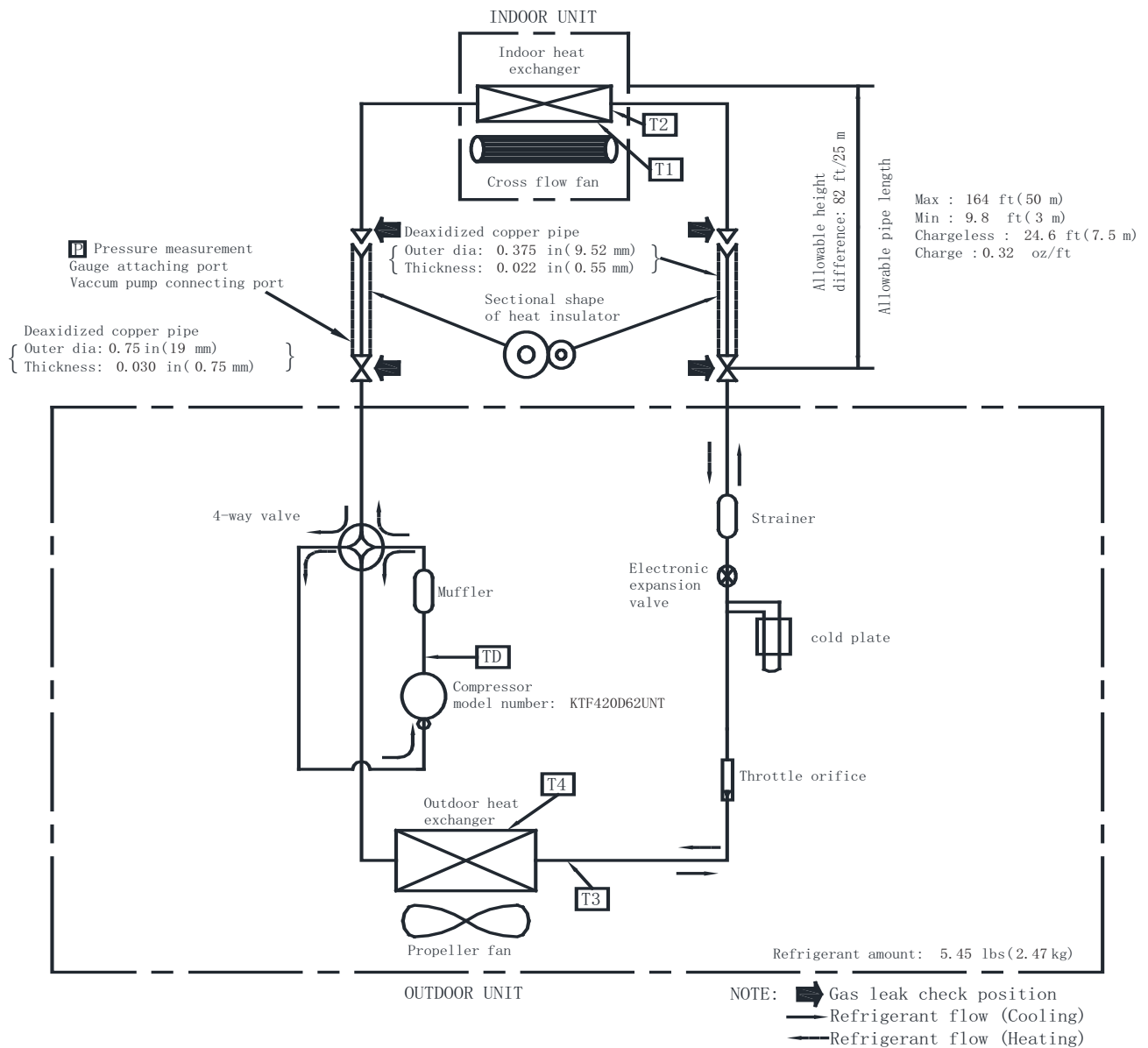


Fig. 19 —Size 33

**GUIDE SPECIFICATIONS****HORIZONTAL DISCHARGE OUTDOOR UNITS**

Size Range: 0.5 to 2.75 Ton Nominal Cooling and Heating Capacity

Model Number: **D5CSHA****Part 1 - GENERAL****1.01 System Description**

1. Outdoor air-cooled split system compressor sections suitable for on-the-ground, rooftop, wall hung or balcony mounting. Units consist of a rotary compressor, an air-cooled coil, propeller-type draw-through outdoor fan, reversing valve (HP), accumulator (HP units), metering device(s), and a control box. Units discharge air horizontally as shown on the contract drawings. Units function as the outdoor component of an air-to-air heat pump system.
2. Units are to be used in a refrigeration circuit matched to ductless heat pump fan coil units.

**1.02 Agency Listings**

1. Unit construction complies with ANSI/ASHRAE 15, latest revision, and with the NEC.
2. Units are evaluated in accordance with UL standard 60335-2-40.
3. Units are listed in the CEC directory.
4. Unit cabinet is capable of withstanding 500-hour salt spray test per Federal Test Standard No. 141 (method 6061).
5. Air-cooled condenser coils are leak tested at 550 psig.

**1.03 Delivery, Storage, And Handling**

Units are shipped in one piece and are stored and handled per unit manufacturer's recommendations.

**1.04 Warranty (For Inclusion By Specifying Engineer)****Part 2 - PRODUCTS****2.01 Equipment****A. General:**

Factory assembled, single piece, air-cooled outdoor unit. Contained within the unit enclosure is all the factory wiring, piping, controls, and the compressor.

**B. Unit Cabinet:**

1. Unit cabinet is constructed of galvanized steel, bonderized and coated with a baked-enamel finish on the inside and outside.
2. Unit access panels is removable with minimal screws and provides full access to the compressor, fan, and control components.
3. The outdoor compartment is isolated and has an acoustic lining to assure quiet operation.

**C. Fans:**

1. Outdoor fans are the direct drive propeller type, and discharges air horizontally. Fans draw air through the outdoor coil.
2. Outdoor fan motors are totally enclosed, single phase motors with class E insulation and permanently lubricated ball bearings. The motor shall be protected by internal thermal overload protection.
3. The shaft has inherent corrosion resistance.
4. Fan blades are non-metallic and statically and dynamically balanced.
5. Outdoor fan openings are equipped with a PVC metal/mesh coated protection grille over the fan.

**D. Compressor:**

1. Compressor is the fully hermetic rotary type.
2. Compressor is equipped with an oil system, operating oil charge, and a motor.
3. Motor is NEMA rated class E, suitable for operation in a refrigerant atmosphere.
4. Compressor assembly is installed on rubber vibration isolators.

**E. Outdoor Coil:**

The coil is constructed of aluminum hydrophilic pre-coated fins mechanically bonded to seamless copper tubes, which are cleaned, dehydrated, and sealed.

**F. Refrigeration Components:**

Refrigerant circuit components include a brass external liquid line service valve with service gage port connections, a suction line service valve with a service gage connection port, service gage port connections on compressor suction and discharge lines with Schrader type fittings with brass caps, accumulator, reversing valve.

**G. Controls and Safeties:**

Operating controls and safeties are factory selected, assembled, and tested. The minimum control functions include the following:

1. Controls:
  - A time delay control sequence is provided standard through the fan coil board
  - Automatic outdoor fan motor protection.
2. Safeties:
  - System diagnostics
  - Compressor motor current and temperature overload protection
  - Outdoor fan failure protection.

**H. Electrical Requirements:**

1. Unit operates on single-phase, 60 Hz power at 208/230V for all unit sizes.
2. Unit electrical power has a single point connection for indoor units only. NO electric heat strips may be powered from the outdoor unit.
3. Unit Control voltage to the indoor fan coil is nominally -20VDC to 50VDC.
4. All power and control wiring must be installed per NEC and all local electrical codes.
5. The unit has high and low voltage terminal block connections.