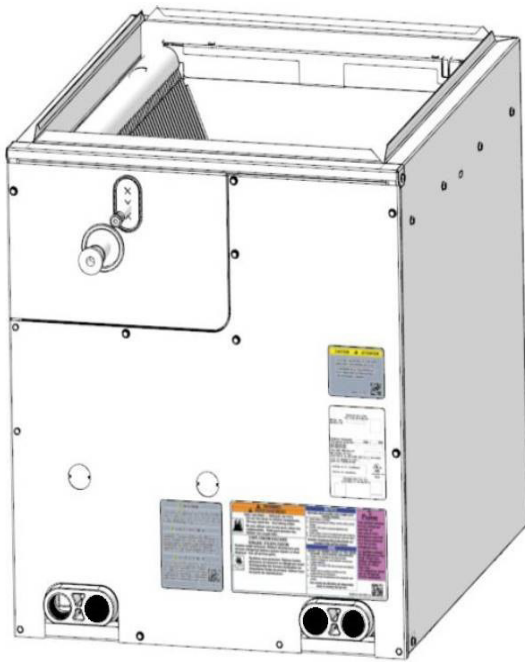


**EVD4X, ESD4X**  
**Evaporator Coil with Power-V Technology**  
**Upflow/Downflow**  
**AC Only**



## Product Data



**Fig. 1 – Typical Coil**

A210758

This evaporator coil incorporates proven standards for reliable system operation and performance throughout the life of this product. These quality coils, manufactured and installed as part of a total comfort system, provide AHRI-rated performance ratings and are additionally listed with UL and c-UL.

Available for use in R-410A refrigerant only, it is a cased V-coil or slope coil that is housed in a durable, 24-gauge, pre-painted cool gray cabinet. The fully insulated cabinet (foil faced with R-2.1 insulation) provides for quiet efficient operation of the evaporator coil.

**IMPORTANT:** This design is for AC applications only.

### DESIGN FEATURES

**Performance** — Designed with performance in mind, this new evaporator coil offers lower pressure drops to enhance system performance and airflow characteristics.

**Thermostatic Expansion Valves (TXV)** — All coils have refrigerant-specific, factory-installed TXVs. All models are factory pre-set to approximately 10° of superheat at the suction service valve.

**Durable Condensate Pan** — The corrosion-resistant drain pan is designed of a “Polybutylene terephthalate” material (PBT) that offers unsurpassed pan strength. It is engineered with proper slope to help ensure water drainage, improved moisture removal, and home comfort.

**Condensate Drain Pan Plugs** — The drain pan is supplied with three water-tight drain plugs to prevent leakage from unused drain connections.

**Refrigerant Connections** — Provided with industry proven sweat connections for leak-free operation to maintain system reliability. The location of the lineset connections allows for removal of the access door for easy cleaning/servicing of the coils, as well as easy access to the TXV. All models come from the factory with enough length of straight tube—once the pipe swages are cut off—to accommodate braze-less compression fittings.

**Burst Pressure** — Meets or exceeds burst pressure of 1900 psi, which is at least three times the maximum operating pressure it would see in actual cooling-only application.

**UV Knockout** — This cased coil comes with factory-installed UV knockouts for quick and easy installation of UV lights.

**Serviceability** — Comes with a “no delta plate” for easy, quick access to both sides of the coil for service and cleaning. Also, after the door is removed and refrigerant lines disconnected, the coil is removable from the front of the unit without the use of any tools.

## MODEL NUMBER NOMENCLATURE

| 1                                                                  | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9                                                                                                                                                                      | 10 | 11 |
|--------------------------------------------------------------------|---|---|---|---|---|---|---|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|----|
| E                                                                  | V | D | 4 | X | 3 | 6 | M | 1                                                                                                                                                                      | 7  | A  |
| <b>Product Description</b><br>E = Evaporator Coil (cooling only)   |   |   |   |   |   |   |   | <b>Major Series</b><br>A = First<br>B = Second<br>Etc...                                                                                                               |    |    |
| <b>Type</b><br>V = V-Coil<br>S = Slope Coil                        |   |   |   |   |   |   |   | <b>Unit Width (Nom.)</b><br>14 = 14-in (325 mm)<br>17 = 17-in (432 mm)<br>21 = 21-in (533 mm)<br>24 = 24-in (610 mm)                                                   |    |    |
| <b>Installation Configuration</b><br>D = Vertical; M = Multi-poise |   |   |   |   |   |   |   | <b>Hairpin Materials</b><br>M = Microchannel                                                                                                                           |    |    |
| <b>Refrigerant Type</b><br>4 = R-410A                              |   |   |   |   |   |   |   | <b>Unit Capacity (Nom.)</b><br>18 - 23 = 1.5 Ton<br>24 - 29 = 2 Ton<br>30 - 35 = 2.5 Ton<br>36 - 41 = 3 Ton<br>42 - 47 = 3.5 Ton<br>48 - 51 = 4 Ton<br>60 - 62 = 5 Ton |    |    |
| <b>Metering Device</b><br>X = TXV                                  |   |   |   |   |   |   |   |                                                                                                                                                                        |    |    |



A200449ICP

Table 1 – Accessories

| Part Number | Description                       |
|-------------|-----------------------------------|
| NAHB00101CA | Coil Adapter Kits - No Offset     |
| NAHB00201CA | Coil Adapter Kits - Single Offset |
| NAHB00301CA | Coil Adapter Kits - Double Offset |

Table 2 – Coil Connections / Orientations

| Model       | Nom. Tons | Line Set Connection Tube Size, in. |        | Flush Fit to Furnace Width, in. (mm) | Fits Next Smaller Furnace Width |             |              | 90° Rotation to Furnace (4" Min. Transition Required) | 180° Rotation to Furnace |
|-------------|-----------|------------------------------------|--------|--------------------------------------|---------------------------------|-------------|--------------|-------------------------------------------------------|--------------------------|
|             |           | Suction                            | Liquid |                                      | Equal Overhang                  | Offset Left | Offset Right |                                                       |                          |
| ESD4X24M14A | 2         | 3/4                                | 3/8    | 14-3/16 (360)                        |                                 |             |              | ALL<br>Upflow or Downflow                             |                          |
| EVD4X18M14A | 1.5       | 3/4                                | 3/8    | 14-3/16 (360)                        |                                 |             |              |                                                       |                          |
| EVD4X19M17A | 1.5       | 3/4                                | 3/8    | 17-1/2 (445)                         | X                               | X           | X            |                                                       |                          |
| EVD4X24M14A | 2         | 3/4                                | 3/8    | 14-3/16 (360)                        |                                 |             |              |                                                       |                          |
| EVD4X24M17A | 2         | 3/4                                | 3/8    | 17-1/2 (445)                         | X                               | X           | X            |                                                       |                          |
| EVD4X25M17A | 2         | 3/4                                | 3/8    | 17-1/2 (445)                         | X                               | X           | X            |                                                       |                          |
| EVD4X30M14A | 2.5       | 3/4                                | 3/8    | 14-3/16 (360)                        |                                 |             |              |                                                       |                          |
| EVD4X30M17A | 2.5       | 3/4                                | 3/8    | 17-1/2 (445)                         | X                               | X           | X            |                                                       |                          |
| EVD4X31M17A | 2.5       | 3/4                                | 3/8    | 17-1/2 (445)                         | X                               | X           | X            |                                                       |                          |
| EVD4X36M17A | 3         | 3/4                                | 3/8    | 17-1/2 (445)                         | X                               | X           | X            |                                                       |                          |
| EVD4X36M21A | 3         | 3/4                                | 3/8    | 21 (533)                             | X                               | X           | X            |                                                       |                          |
| EVD4X37M21A | 3         | 3/4                                | 3/8    | 21 (533)                             | X                               | X           | X            |                                                       |                          |
| EVD4X38M17A | 3         | 3/4                                | 3/8    | 17-1/2 (445)                         | X                               | X           | X            |                                                       |                          |
| EVD4X42M17A | 3.5       | 7/8                                | 3/8    | 17-1/2 (445)                         | X                               | X           | X            |                                                       |                          |
| EVD4X42M21A | 3.5       | 7/8                                | 3/8    | 21 (533)                             | X                               | X           | X            |                                                       |                          |
| EVD4X42M24A | 3.5       | 7/8                                | 3/8    | 24-1/2 (622)                         | X                               | X           | X            |                                                       |                          |
| EVD4X48M21A | 4         | 7/8                                | 3/8    | 21 (533)                             | X                               | X           | X            |                                                       |                          |
| EVD4X48M24A | 4         | 7/8                                | 3/8    | 24-1/2 (622)                         | X                               | X           | X            |                                                       |                          |
| EVD4X49M24A | 4         | 7/8                                | 3/8    | 24-1/2 (622)                         | X                               | X           | X            |                                                       |                          |
| EVD4X60M24A | 5         | 7/8                                | 3/8    | 24-1/2 (622)                         | X                               | X           | X            |                                                       |                          |
| EVD4X61M24A | 5         | 7/8                                | 3/8    | 24-1/2 (622)                         | X                               | X           | X            |                                                       |                          |

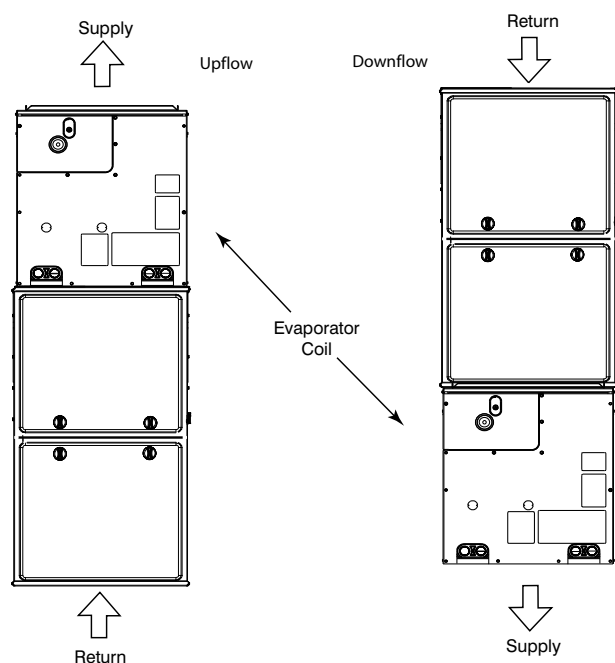


Fig. 2 – Typical Flush-Fit Coil Installation on Furnace (recommended)

A200227B

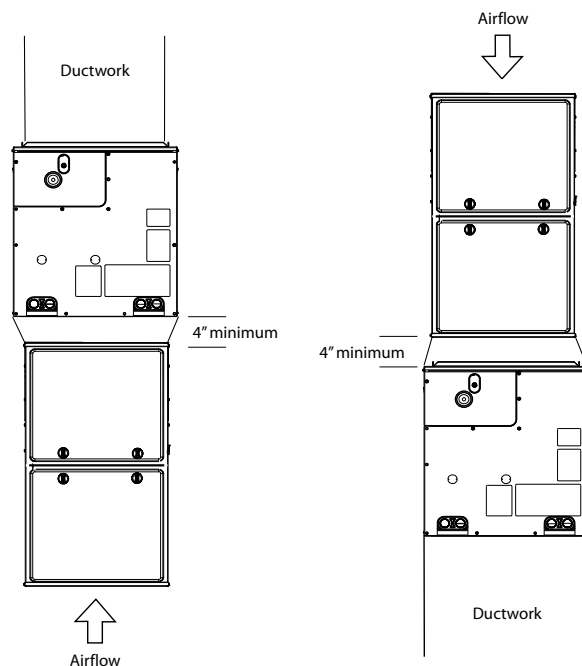
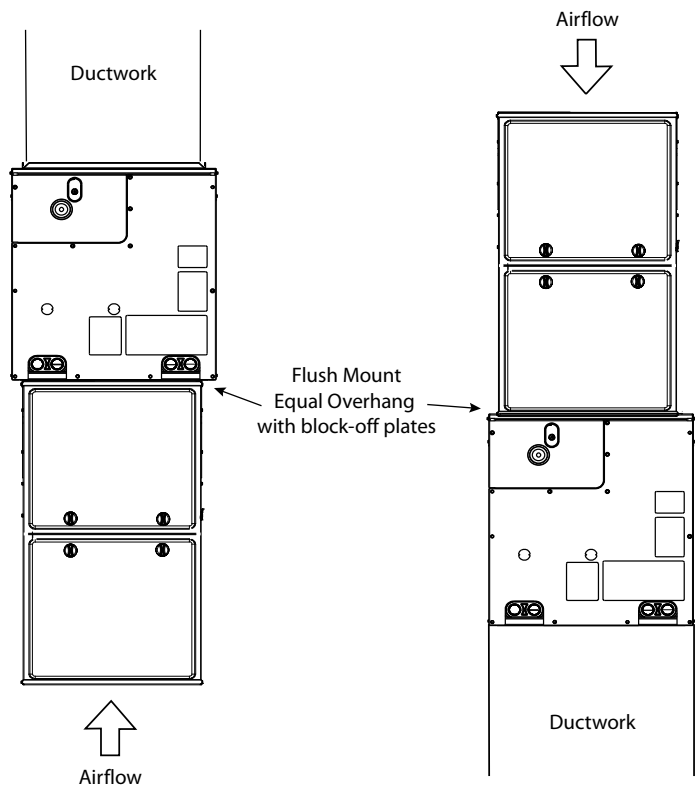


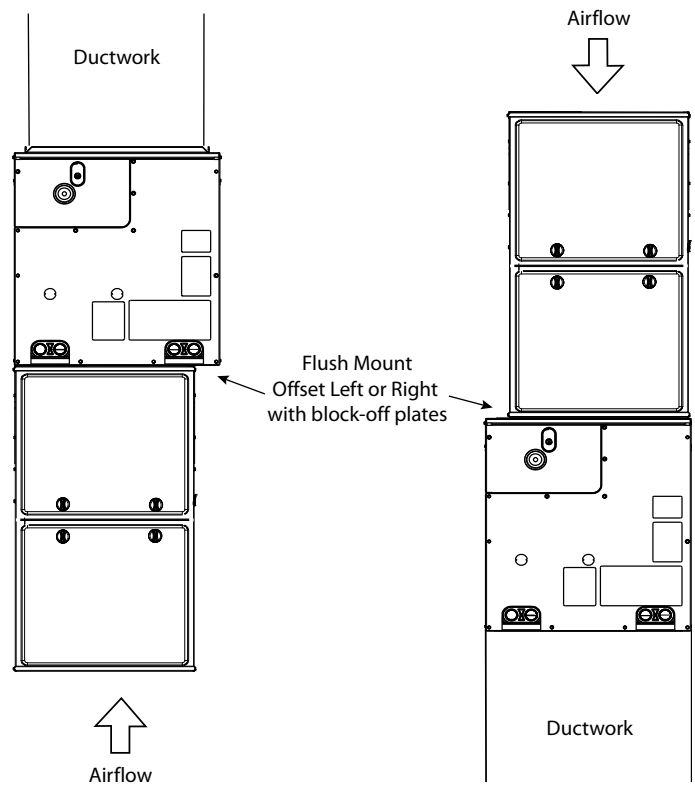
Fig. 3 – Adapter(s) Installation When Coil is Larger than Furnace (recommended)

A200228B



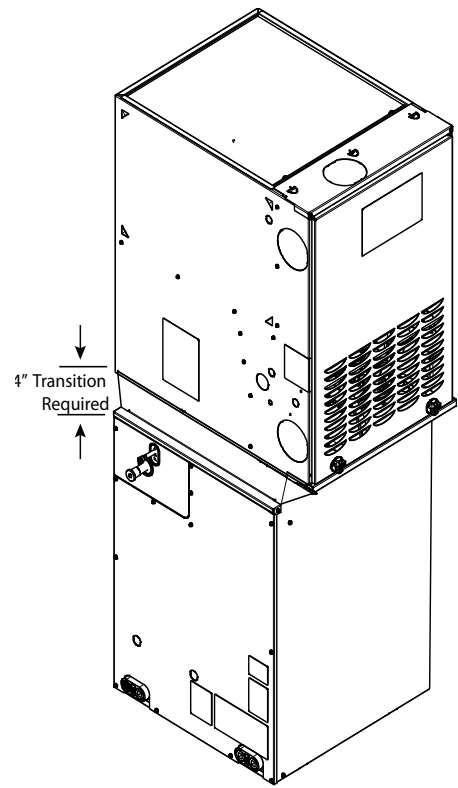
**Fig. 4 – Smaller Furnace, Equal Overhang, Flush Mount (not recommended)**

A221112



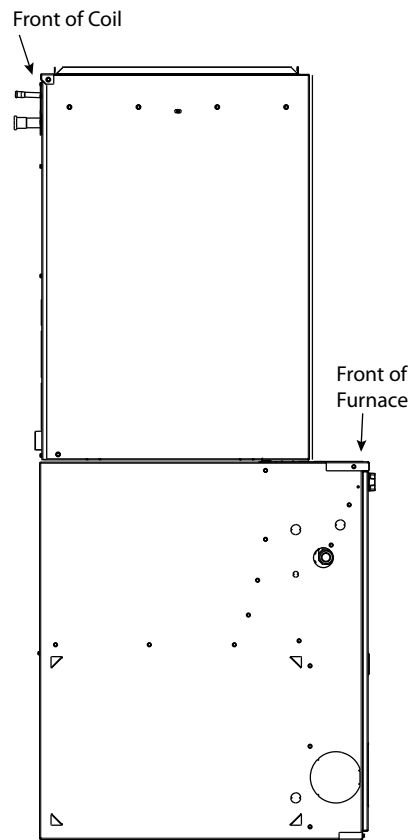
**Fig. 5 – Smaller Furnace, Offset, Flush Mount Right or Left (not recommended)**

A221113



**Fig. 6 – 90° Rotation (shown in downflow) 4" Transition Required (not recommended)**

A221110

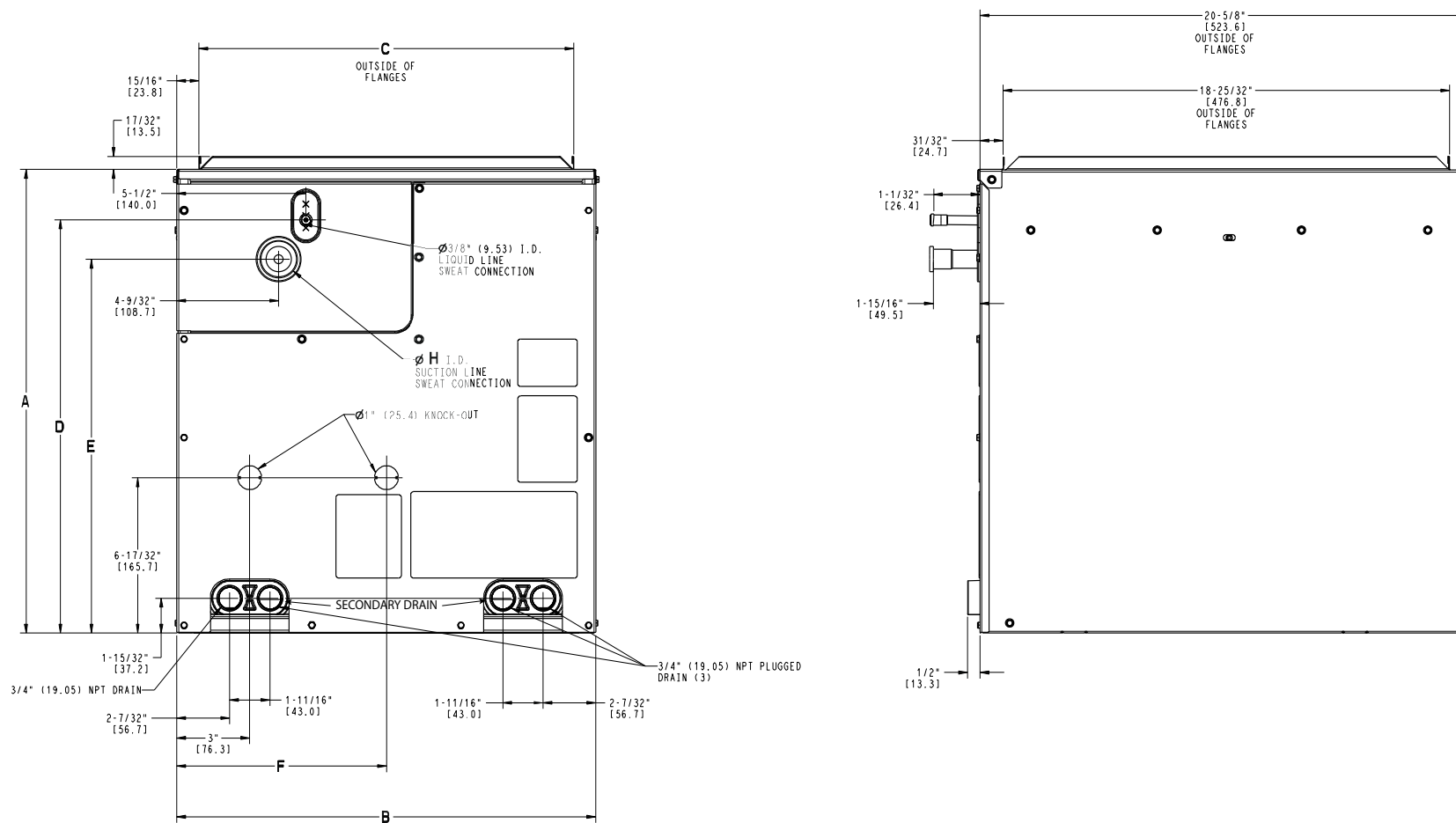


**Fig. 7 – 180° Rotation (shown in upflow) (not recommended)**

A221111

**Fig. 8 – EVD4X (14" & 17" cabinet widths)**

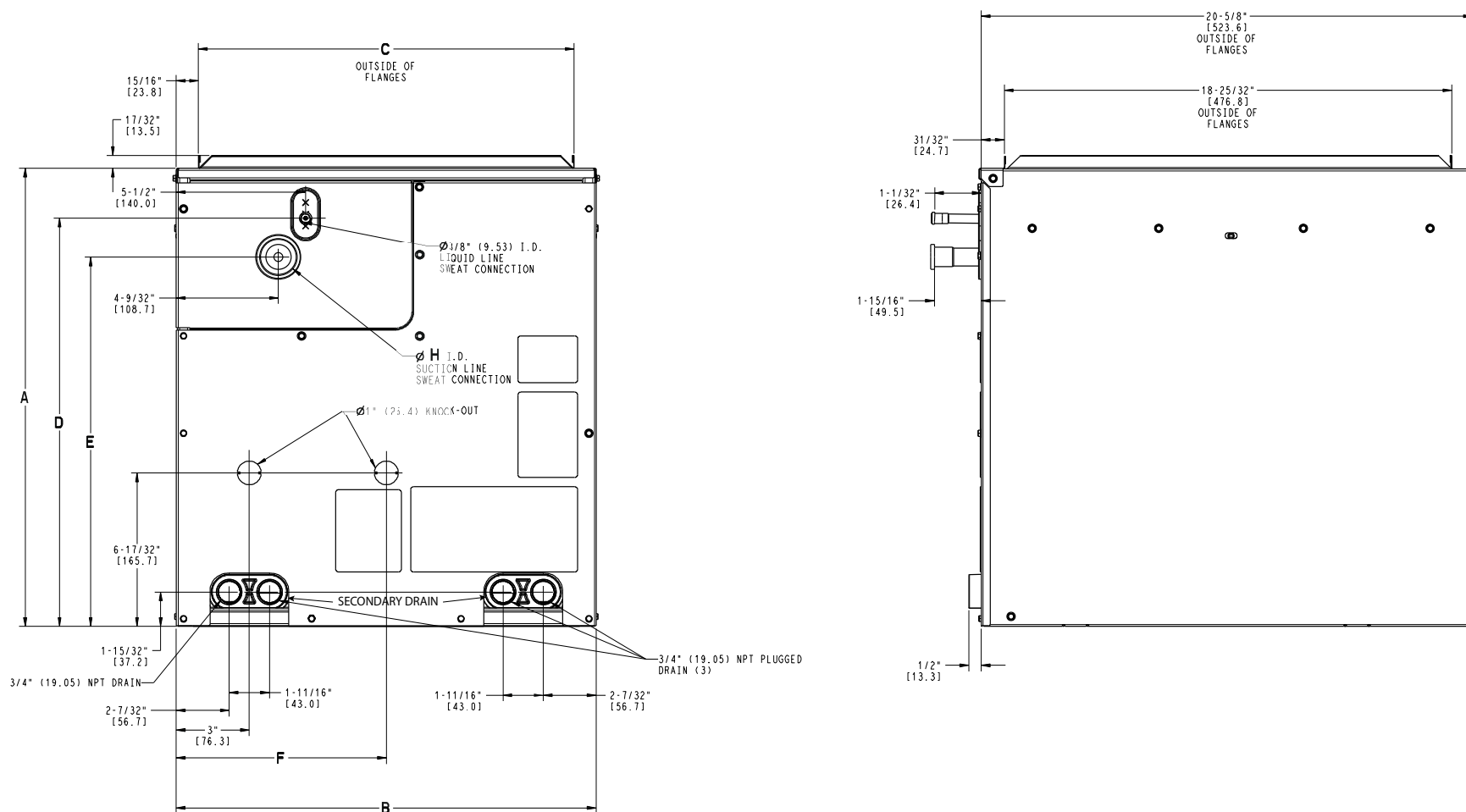
| UNIT        | SERIES | A    |       | B<br>(Cabinet Width) |    | C    |       | D    |      | E     |    | F     |       | H<br>(Suction Line) |       | OPERATING<br>WEIGHT |     | SHIPPING<br>WEIGHT |       | SHIPPING<br>HEIGHT |      | SHIPPING<br>WIDTH |      | SHIPPING<br>DEPTH |      |       |       |       |       |       |       |
|-------------|--------|------|-------|----------------------|----|------|-------|------|------|-------|----|-------|-------|---------------------|-------|---------------------|-----|--------------------|-------|--------------------|------|-------------------|------|-------------------|------|-------|-------|-------|-------|-------|-------|
|             |        | INCH | MM    | INCH                 | MM | INCH | MM    | INCH | MM   | INCH  | MM | INCH  | MM    | INCH                | MM    | Lbs                 | Kgs | Lbs                | Kgs   | INCH               | MM   | INCH              | MM   | INCH              | MM   |       |       |       |       |       |       |
| EVD4X18M14A | 1      | 14   | 11/16 | 372.4                | 14 | 3/16 | 360.4 | 12   | 7/16 | 316.2 | 13 | 3/16  | 335.2 | 11                  | 5/8   | 294.8               | 7   | 1/8                | 180.2 | 3/4                | 19.1 | 23.6              | 10.7 | 28                | 12.7 | 16.0  | 406.4 | 16.3  | 414.0 | 23.8  | 604.5 |
| EVD4X19M17A | 1      | 19   | 7/16  | 494.5                | 17 | 1/2  | 444.5 | 15   | 3/4  | 400.3 | 17 | 5/16  | 440.4 | 15                  | 11/16 | 398.7               | 8   | 3/4                | 222.3 | 3/4                | 19.1 | 31.2              | 14.2 | 37                | 16.8 | 20.7  | 525.8 | 19.6  | 497.8 | 23.8  | 604.5 |
| EVD4X24M14A | 1      | 14   | 11/16 | 372.4                | 14 | 3/16 | 360.4 | 12   | 7/16 | 316.2 | 13 | 3/16  | 335.2 | 11                  | 5/8   | 294.8               | 7   | 1/8                | 180.2 | 3/4                | 19.1 | 23.6              | 10.7 | 28                | 12.7 | 16.0  | 406.4 | 16.3  | 414.0 | 23.8  | 604.5 |
| EVD4X24M17A | 1      | 14   | 11/16 | 372.4                | 17 | 1/2  | 444.5 | 15   | 3/4  | 400.3 | 13 | 3/16  | 335.2 | 11                  | 5/8   | 294.8               | 8   | 3/4                | 222.3 | 3/4                | 19.1 | 31.2              | 14.2 | 37                | 16.8 | 16.0  | 406.4 | 19.6  | 497.8 | 23.8  | 604.5 |
| EVD4X25M17A | 1      | 19   | 7/16  | 494.5                | 17 | 1/2  | 444.5 | 15   | 3/4  | 400.3 | 17 | 5/16  | 440.4 | 15                  | 11/16 | 398.7               | 8   | 3/4                | 222.3 | 3/4                | 19.1 | 31.2              | 14.2 | 37                | 16.8 | 20.7  | 525.8 | 19.6  | 497.8 | 23.8  | 604.5 |
| EVD4X30M14A | 1      | 17   | 1/16  | 432.6                | 14 | 3/16 | 360.4 | 12   | 7/16 | 316.2 | 14 | 15/16 | 380.2 | 14                  | 355.0 | 7                   | 1/8 | 180.2              | 3/4   | 19.1               | 26.1 | 11.8              | 31.0 | 14.1              | 18.4 | 467.4 | 16.3  | 414.0 | 23.8  | 604.5 |       |
| EVD4X30M17A | 1      | 19   | 7/16  | 494.5                | 17 | 1/2  | 444.5 | 15   | 3/4  | 400.3 | 17 | 5/16  | 440.4 | 15                  | 11/16 | 398.7               | 8   | 3/4                | 222.3 | 3/4                | 19.1 | 31.2              | 14.2 | 37                | 16.8 | 20.7  | 525.8 | 19.6  | 497.8 | 23.8  | 604.5 |
| EVD4X31M17A | 1      | 25   | 13/16 | 656.4                | 17 | 1/2  | 444.5 | 15   | 3/4  | 400.3 | 24 | 3/16  | 614.2 | 22                  | 13/16 | 578.8               | 8   | 3/4                | 222.3 | 3/4                | 19.1 | 37.0              | 16.8 | 44                | 20.0 | 27.1  | 688.3 | 19.6  | 497.8 | 23.8  | 604.5 |
| EVD4X36M17A | 1      | 19   | 7/16  | 494.5                | 17 | 1/2  | 444.5 | 15   | 3/4  | 400.3 | 17 | 5/16  | 440.4 | 15                  | 11/16 | 398.7               | 8   | 3/4                | 222.3 | 3/4                | 19.1 | 31.2              | 14.2 | 37                | 16.8 | 20.7  | 525.8 | 19.6  | 497.8 | 23.8  | 604.5 |
| EVD4X38M17A | 1      | 29   | 3/4   | 755.3                | 17 | 1/2  | 444.5 | 15   | 3/4  | 400.3 | 27 | 3/4   | 704.9 | 26                  | 11/16 | 677.7               | 8   | 3/4                | 222.3 | 3/4                | 19.1 | 41.3              | 18.7 | 49                | 22.2 | 31.0  | 787.4 | 19.6  | 497.8 | 23.8  | 604.5 |
| EVD4X42M17A | 1      | 19   | 1/4   | 489.1                | 17 | 1/2  | 444.5 | 15   | 3/4  | 400.3 | 19 | 1/8   | 485.9 | 18                  | 1/16  | 459.1               | 8   | 3/4                | 222.3 | 7/8                | 22.2 | 32.0              | 14.5 | 38                | 17.2 | 22.5  | 571.5 | 19.6  | 497.8 | 23.8  | 604.5 |



**Fig. 8 – EVD4X (14" & 17" cabinet widths)**

**Fig. 9 – EVD4X (21" & 24" cabinet widths)**

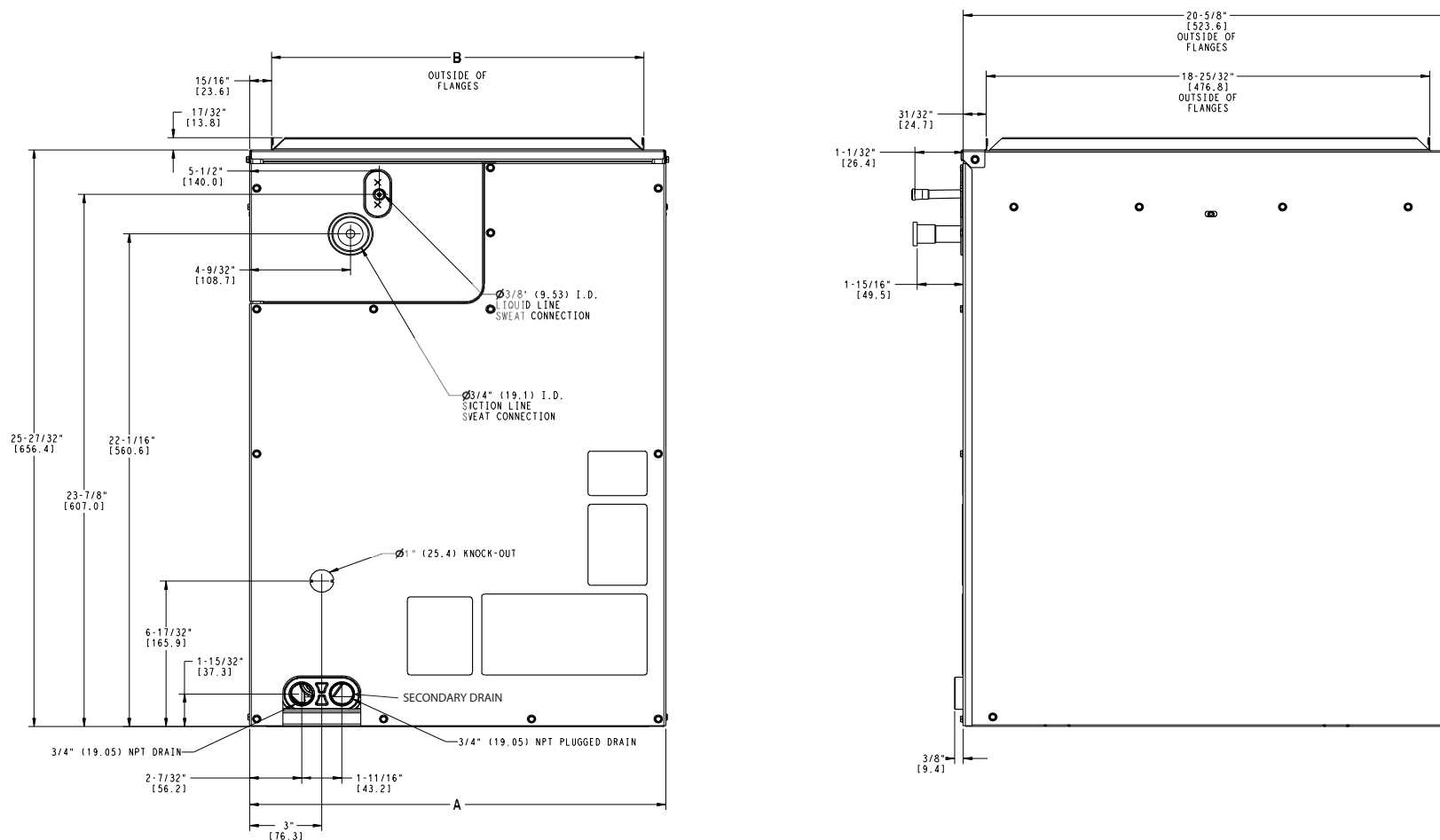
| UNIT        | SERIES | A        |       | B<br>(Cabinet Width) |       | C      |       | D       |       | E       |       | F      |       | H<br>(Suction Line) |      | OPERATING<br>WEIGHT |      | SHIPPING<br>WEIGHT |      | SHIPPING<br>HEIGHT |       | SHIPPING<br>WIDTH |       | SHIPPING<br>DEPTH |       |
|-------------|--------|----------|-------|----------------------|-------|--------|-------|---------|-------|---------|-------|--------|-------|---------------------|------|---------------------|------|--------------------|------|--------------------|-------|-------------------|-------|-------------------|-------|
|             |        | INCH     | MM    | INCH                 | MM    | INCH   | MM    | INCH    | MM    | INCH    | MM    | INCH   | MM    | INCH                | MM   | Lbs                 | Kgs  | Lbs                | Kgs  | INCH               | MM    | INCH              | MM    | INCH              | MM    |
| EVD4X36M21A | 1      | 19 1/16  | 483.4 | 21                   | 533.4 | 19 1/4 | 489.2 | 16 7/8  | 427.9 | 16      | 405.8 | 10 1/2 | 266.7 | 3/4                 | 19.1 | 32.0                | 14.5 | 38.0               | 17.2 | 20.4               | 518.2 | 23.1              | 586.7 | 23.8              | 604.5 |
| EVD4X37M21A | 1      | 21 15/16 | 557.9 | 21                   | 533.4 | 19 1/4 | 489.2 | 20 1/16 | 510.0 | 18 5/16 | 465.0 | 10 1/2 | 266.7 | 3/4                 | 19.1 | 35.4                | 16.1 | 42.0               | 19.1 | 23.5               | 596.9 | 23.1              | 586.7 | 23.8              | 604.5 |
| EVD4X42M21A | 1      | 19 1/16  | 483.4 | 21                   | 533.4 | 19 1/4 | 489.2 | 16 7/8  | 427.9 | 16      | 405.8 | 10 1/2 | 266.7 | 7/8                 | 22.2 | 32.0                | 14.5 | 38.0               | 17.2 | 20.4               | 518.2 | 23.1              | 586.7 | 23.8              | 604.5 |
| EVD4X42M24A | 1      | 26 5/16  | 669.0 | 24 1/2               | 622.3 | 22 3/4 | 578.1 | 24 3/4  | 629.3 | 23 5/16 | 591.4 | 12 1/4 | 311.2 | 7/8                 | 22.2 | 41.3                | 18.7 | 49.0               | 22.2 | 27.7               | 703.6 | 26.6              | 675.6 | 23.8              | 604.5 |
| EVD4X48M21A | 1      | 21 15/16 | 557.9 | 21                   | 533.4 | 19 1/4 | 489.2 | 20 1/16 | 510.0 | 18 5/16 | 465.0 | 10 1/2 | 266.7 | 7/8                 | 22.2 | 35.4                | 16.1 | 42.0               | 19.1 | 23.5               | 596.9 | 23.1              | 586.7 | 23.8              | 604.5 |
| EVD4X48M24A | 1      | 22 1/16  | 560.8 | 24 1/2               | 622.3 | 22 3/4 | 578.1 | 20 3/16 | 513.4 | 19      | 483.2 | 12 1/4 | 311.2 | 7/8                 | 22.2 | 37.0                | 16.8 | 44.0               | 20.0 | 23.5               | 596.9 | 26.6              | 675.6 | 23.8              | 604.5 |
| EVD4X49M24A | 1      | 26 5/16  | 669.0 | 24 1/2               | 622.3 | 22 3/4 | 578.1 | 24 5/16 | 616.9 | 22 9/16 | 573.2 | 12 1/4 | 311.2 | 7/8                 | 22.2 | 41.3                | 18.7 | 49.0               | 22.2 | 27.7               | 703.6 | 26.6              | 675.6 | 23.8              | 604.5 |
| EVD4X60M24A | 1      | 26 5/16  | 669.0 | 24 1/2               | 622.3 | 22 3/4 | 578.1 | 24 3/4  | 629.3 | 23 5/16 | 591.4 | 12 1/4 | 311.2 | 7/8                 | 22.2 | 41.3                | 18.7 | 49.0               | 22.2 | 27.7               | 703.6 | 26.6              | 675.6 | 23.8              | 604.5 |
| EVD4X61M24A | 1      | 35       | 889.6 | 24 1/2               | 622.3 | 22 3/4 | 578.1 | 33 7/16 | 859.0 | 31 1/4  | 793.8 | 12 1/4 | 311.2 | 7/8                 | 22.2 | 53.9                | 24.4 | 64.0               | 29.0 | 36.3               | 922.0 | 26.6              | 675.6 | 23.8              | 604.5 |



**Fig. 9 – EVD4X (21" & 24" cabinet widths)**

**Fig. 10 – ESD4X**

| UNIT        | SERIES | A<br>(Cabinet Width) |       | B       |       | OPERATING<br>WEIGHT |      | SHIPPING<br>WEIGHT |      | SHIPPING<br>HEIGHT |       | SHIPPING<br>WIDTH |       | SHIPPING<br>DEPTH |       |
|-------------|--------|----------------------|-------|---------|-------|---------------------|------|--------------------|------|--------------------|-------|-------------------|-------|-------------------|-------|
|             |        | INCH                 | MM    | INCH    | MM    | Lbs                 | Kgs  | Lbs                | Kgs  | INCH               | MM    | INCH              | MM    | INCH              | MM    |
| ESD4X24M14A | 1      | 14 3/16              | 360.4 | 12 7/16 | 316.2 | 23.6                | 10.7 | 28.0               | 12.7 | 27.1               | 688.3 | 16.3              | 414.0 | 23.8              | 604.5 |



**Fig. 10 – ESD4X**

INDOOR PERFORMANCE DATA - COIL STATIC PRESSURE DROP (in. w.c.) BY SCFM – wet coil

| Unit Size   | 450 | 500 | 550 | 600 | 650 | 700 | 750 | 800 | 850 | 900 | 950 | 1000 | 1050 | 1100 | 1150 | 1200 | 1250 | 1300 | 1350 | 1400 | 1450 | 1500 | 1550 | 1600 | 1650 | 1700 | 1750 | 1800 | 1850 | 1900 | 1950 | 2000 | 2050 | 2100 | 2150 | 2200 | 2250 | 2300 | 2350 | 2400 | 2450 | 2500 |  |  |  |  |  |  |  |  |  |  |
|-------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|--|--|--|--|--|--|--|--|--|
| ESD4X24M14A |     |     |     | .15 | .17 | .19 | .21 | .24 | .26 | .29 | .32 | .36  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |  |  |  |  |  |  |  |  |  |  |
| EVD4X18M14A | .11 | .13 | .15 | .18 | .20 | .23 | .26 |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |  |  |  |  |  |  |  |  |  |  |
| EVD4X19M17A | .08 | .07 | .08 | .09 | .10 | .11 | .13 |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |  |  |  |  |  |  |  |  |  |  |
| EVD4X24M14A |     |     |     | .18 | .20 | .23 | .26 | .29 | .32 | .36 | .39 | .43  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |  |  |  |  |  |  |  |  |  |  |
| EVD4X24M17A |     |     |     | .15 | .17 | .19 | .22 | .25 | .28 | .31 | .34 | .37  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |  |  |  |  |  |  |  |  |  |  |
| EVD4X25M17A |     |     |     | .09 | .10 | .11 | .13 | .14 | .16 | .17 | .19 | .21  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |  |  |  |  |  |  |  |  |  |  |
| EVD4X30M14A |     |     |     |     |     |     | .19 | .21 | .23 | .25 | .27 | .30  | .32  | .35  | .37  | .40  | .43  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |  |  |  |  |  |  |  |  |  |  |
| EVD4X30M17A |     |     |     |     |     |     | .13 | .14 | .16 | .17 | .19 | .21  | .23  | .25  | .27  | .29  | .32  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |  |  |  |  |  |  |  |  |  |  |
| EVD4X31M17A |     |     |     |     |     |     | .08 | .09 | .10 | .11 | .12 | .13  | .14  | .15  | .16  | .17  | .19  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |  |  |  |  |  |  |  |  |  |  |
| EVD4X36M17A |     |     |     |     |     |     |     |     |     | .17 | .19 | .21  | .23  | .25  | .27  | .29  | .32  | .34  | .36  | .39  | .42  | .44  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |  |  |  |  |  |  |  |  |  |  |
| EVD4X36M21A |     |     |     |     |     |     |     |     |     | .16 | .17 | .19  | .21  | .22  | .24  | .26  | .28  | .30  | .33  | .35  | .37  | .40  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |  |  |  |  |  |  |  |  |  |  |
| EVD4X37M21A |     |     |     |     |     |     |     |     |     | .12 | .13 | .14  | .16  | .17  | .18  | .19  | .21  | .23  | .24  | .26  | .28  | .30  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |  |  |  |  |  |  |  |  |  |  |
| EVD4X38M17A |     |     |     |     |     |     |     |     |     | .08 | .09 | .10  | .11  | .12  | .13  | .14  | .15  | .16  | .17  | .18  | .19  | .20  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |  |  |  |  |  |  |  |  |  |  |
| EVD4X42M17A |     |     |     |     |     |     |     |     |     |     |     |      | .20  | .22  | .23  | .25  | .27  | .29  | .31  | .34  | .36  | .38  | .41  | .43  | .46  | .49  | .51  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |  |  |  |  |  |  |  |  |  |  |
| EVD4X42M21A |     |     |     |     |     |     |     |     |     |     |     |      | .21  | .22  | .24  | .26  | .28  | .30  | .33  | .35  | .37  | .40  | .42  | .45  | .48  | .51  | .53  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |  |  |  |  |  |  |  |  |  |  |
| EVD4X42M24A |     |     |     |     |     |     |     |     |     |     |     |      | .10  | .11  | .12  | .13  | .14  | .15  | .15  | .16  | .17  | .19  | .20  | .21  | .22  | .23  | .24  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |  |  |  |  |  |  |  |  |  |  |
| EVD4X48M21A |     |     |     |     |     |     |     |     |     |     |     |      |      |      |      | .20  | .21  | .23  | .24  | .26  | .28  | .30  | .32  | .34  | .36  | .38  | .40  | .42  | .45  | .47  | .50  | .52  |      |      |      |      |      |      |      |      |      |      |  |  |  |  |  |  |  |  |  |  |
| EVD4X48M24A |     |     |     |     |     |     |     |     |     |     |     |      |      |      |      | .17  | .18  | .20  | .21  | .22  | .24  | .25  | .26  | .28  | .30  | .31  | .33  | .35  | .36  | .38  | .40  | .42  |      |      |      |      |      |      |      |      |      |      |  |  |  |  |  |  |  |  |  |  |
| EVD4X49M24A |     |     |     |     |     |     |     |     |     |     |     |      |      |      |      | .13  | .14  | .15  | .15  | .16  | .17  | .19  | .20  | .21  | .22  | .23  | .24  | .26  | .27  | .28  | .30  | .31  |      |      |      |      |      |      |      |      |      |      |  |  |  |  |  |  |  |  |  |  |
| EVD4X60M24A |     |     |     |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      | .19  | .20  | .21  | .22  | .23  | .24  | .26  | .27  | .28  | .30  | .31  | .33  | .34  | .36  | .37  | .39  | .41  | .43  | .44  | .46  | .48  |  |  |  |  |  |  |  |  |  |  |
| EVD4X61M24A |     |     |     |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      | .11  | .14  | .15  | .16  | .17  | .18  | .19  | .20  | .21  | .22  | .23  | .24  | .25  | .26  | .28  | .29  | .30  | .31  | .33  | .34  | .36  |  |  |  |  |  |  |  |  |  |  |

Table 3 – Cooling Capacities (MBH) - R-410A Refrigerant

| (See Legend and Notes at end of Table and on page 16.) |     |                                                  |       |      |       |       |      |       |       |      |       |       |      |       |       |      |
|--------------------------------------------------------|-----|--------------------------------------------------|-------|------|-------|-------|------|-------|-------|------|-------|-------|------|-------|-------|------|
| INDOOR COIL<br>AIR                                     |     | SATURATED TEMPERATURE LEAVING EVAPORATOR (deg F) |       |      |       |       |      |       |       |      |       |       |      |       |       |      |
|                                                        |     | 35                                               |       |      | 40    |       |      | 45    |       |      | 50    |       |      | 55    |       |      |
| CFM                                                    | EWB | TC                                               | SHC   | BF   | TC    | SHC   | BF   | TC    | SHC   | BF   | TC    | SHC   | BF   | TC    | SHC   | BF   |
| ESD4X24M14A                                            |     |                                                  |       |      |       |       |      |       |       |      |       |       |      |       |       |      |
| 600                                                    | 72  | 41.95                                            | 20.30 | 0.00 | 37.67 | 18.17 | 0.00 | 32.89 | 15.96 | 0.00 | 27.62 | 13.71 | 0.29 | 21.89 | 11.43 | 0.23 |
|                                                        | 67  | 34.12                                            | 20.86 | 0.00 | 29.77 | 18.70 | 0.22 | 25.14 | 16.46 | 0.20 | 20.09 | 14.14 | 0.20 | 14.49 | 11.65 | 0.22 |
|                                                        | 62  | 27.07                                            | 21.32 | 0.19 | 23.00 | 19.09 | 0.19 | 18.41 | 16.74 | 0.20 | 14.57 | 14.57 | 0.20 | 12.03 | 12.03 | 0.33 |
| 800                                                    | 72  | 50.05                                            | 24.32 | 0.00 | 45.84 | 22.01 | 0.00 | 40.26 | 19.46 | 0.00 | 33.76 | 16.75 | 0.34 | 26.94 | 14.08 | 0.28 |
|                                                        | 67  | 41.52                                            | 25.38 | 0.39 | 36.35 | 22.88 | 0.27 | 30.79 | 20.24 | 0.25 | 24.69 | 17.47 | 0.25 | 17.80 | 14.47 | 0.26 |
|                                                        | 62  | 33.11                                            | 26.22 | 0.24 | 28.19 | 23.59 | 0.24 | 22.60 | 20.78 | 0.24 | 18.36 | 18.36 | 0.24 | 15.30 | 15.30 | 0.36 |
| 1000                                                   | 72  | 57.94                                            | 27.87 | 0.00 | 52.74 | 25.19 | 0.00 | 46.39 | 22.38 | 0.00 | 39.21 | 19.38 | 0.39 | 31.16 | 16.32 | 0.32 |
|                                                        | 67  | 47.81                                            | 29.25 | 0.40 | 42.04 | 26.46 | 0.32 | 35.58 | 23.49 | 0.29 | 28.57 | 20.36 | 0.29 | 20.61 | 16.93 | 0.30 |
|                                                        | 62  | 38.14                                            | 30.38 | 0.28 | 32.52 | 27.44 | 0.28 | 26.10 | 24.28 | 0.28 | 21.69 | 21.69 | 0.28 | 18.12 | 18.12 | 0.39 |
| INDOOR COIL<br>AIR                                     |     | SATURATED TEMPERATURE LEAVING EVAPORATOR (deg F) |       |      |       |       |      |       |       |      |       |       |      |       |       |      |
|                                                        |     | 35                                               |       |      | 40    |       |      | 45    |       |      | 50    |       |      | 55    |       |      |
| CFM                                                    | EWB | TC                                               | SHC   | BF   | TC    | SHC   | BF   | TC    | SHC   | BF   | TC    | SHC   | BF   | TC    | SHC   | BF   |
| EVD4X18M14A                                            |     |                                                  |       |      |       |       |      |       |       |      |       |       |      |       |       |      |
| 450                                                    | 72  | 31.31                                            | 15.37 | 0.00 | 27.96 | 13.65 | 0.00 | 24.20 | 11.91 | 0.00 | 20.10 | 10.14 | 0.23 | 15.71 | 8.30  | 0.22 |
|                                                        | 67  | 25.30                                            | 15.64 | 0.25 | 21.97 | 13.95 | 0.18 | 18.44 | 12.17 | 0.19 | 14.55 | 10.30 | 0.20 | 10.26 | 8.27  | 0.24 |
|                                                        | 62  | 19.87                                            | 15.75 | 0.18 | 16.93 | 14.10 | 0.18 | 13.43 | 12.22 | 0.20 | 10.36 | 10.34 | 0.21 | 8.58  | 8.58  | 0.34 |
| 600                                                    | 72  | 37.61                                            | 18.53 | 0.00 | 34.45 | 16.76 | 0.00 | 29.96 | 14.68 | 0.00 | 25.00 | 12.57 | 0.29 | 19.67 | 10.38 | 0.26 |
|                                                        | 67  | 31.25                                            | 19.28 | 0.32 | 27.25 | 17.29 | 0.24 | 22.90 | 15.14 | 0.24 | 18.17 | 12.91 | 0.24 | 12.92 | 10.50 | 0.26 |
|                                                        | 62  | 24.78                                            | 19.68 | 0.22 | 21.07 | 17.64 | 0.23 | 16.71 | 15.34 | 0.24 | 13.17 | 13.17 | 0.24 | 10.70 | 10.70 | 0.38 |
| 750                                                    | 72  | 43.85                                            | 21.47 | 0.00 | 40.09 | 19.42 | 0.00 | 35.03 | 17.09 | 0.00 | 29.19 | 14.66 | 0.33 | 23.09 | 12.18 | 0.30 |
|                                                        | 67  | 36.38                                            | 22.45 | 0.35 | 31.87 | 20.19 | 0.29 | 26.82 | 17.77 | 0.27 | 21.30 | 15.18 | 0.28 | 15.10 | 12.36 | 0.30 |
|                                                        | 62  | 28.97                                            | 23.09 | 0.26 | 24.58 | 20.69 | 0.26 | 19.58 | 18.12 | 0.27 | 15.79 | 15.79 | 0.27 | 12.96 | 12.96 | 0.40 |
| INDOOR COIL<br>AIR                                     |     | SATURATED TEMPERATURE LEAVING EVAPORATOR (deg F) |       |      |       |       |      |       |       |      |       |       |      |       |       |      |
|                                                        |     | 35                                               |       |      | 40    |       |      | 45    |       |      | 50    |       |      | 55    |       |      |
| CFM                                                    | EWB | TC                                               | SHC   | BF   | TC    | SHC   | BF   | TC    | SHC   | BF   | TC    | SHC   | BF   | TC    | SHC   | BF   |
| EVD4X19M17A                                            |     |                                                  |       |      |       |       |      |       |       |      |       |       |      |       |       |      |
| 450                                                    | 72  | 32.85                                            | 15.91 | 0.00 | 29.52 | 14.20 | 0.00 | 25.84 | 12.48 | 0.00 | 21.71 | 10.67 | 0.22 | 17.05 | 8.82  | 0.15 |
|                                                        | 67  | 26.69                                            | 16.19 | 0.21 | 23.34 | 14.46 | 0.14 | 19.73 | 12.73 | 0.13 | 15.65 | 10.83 | 0.13 | 11.33 | 8.92  | 0.15 |
|                                                        | 62  | 21.08                                            | 16.37 | 0.11 | 17.98 | 14.66 | 0.12 | 14.42 | 12.84 | 0.12 | 11.04 | 11.04 | 0.14 | 9.08  | 9.07  | 0.28 |
| 600                                                    | 72  | 40.05                                            | 19.64 | 0.00 | 36.82 | 17.65 | 0.00 | 32.34 | 15.57 | 0.00 | 27.29 | 13.39 | 0.27 | 21.56 | 11.15 | 0.19 |
|                                                        | 67  | 33.40                                            | 20.23 | 0.30 | 29.28 | 18.15 | 0.19 | 24.76 | 16.01 | 0.17 | 19.74 | 13.73 | 0.16 | 14.36 | 11.39 | 0.18 |
|                                                        | 62  | 26.55                                            | 20.67 | 0.15 | 22.59 | 18.53 | 0.15 | 18.12 | 16.26 | 0.16 | 14.33 | 14.33 | 0.16 | 11.82 | 11.82 | 0.30 |
| 750                                                    | 72  | 47.04                                            | 22.76 | 0.00 | 43.22 | 20.63 | 0.00 | 38.03 | 18.27 | 0.00 | 32.16 | 15.78 | 0.30 | 25.51 | 13.20 | 0.22 |
|                                                        | 67  | 39.19                                            | 23.74 | 0.32 | 34.43 | 21.38 | 0.22 | 29.21 | 18.94 | 0.20 | 23.41 | 16.35 | 0.20 | 17.01 | 13.58 | 0.21 |
|                                                        | 62  | 31.24                                            | 24.44 | 0.19 | 26.78 | 22.04 | 0.19 | 21.44 | 19.39 | 0.19 | 17.34 | 17.34 | 0.18 | 14.33 | 14.33 | 0.32 |

Table 3 – Cooling Capacities (MBH) - R-410A Refrigerant (Continued)

| INDOOR COIL<br>AIR |     | SATURATED TEMPERATURE LEAVING EVAPORATOR (deg F) |       |      |       |       |      |       |       |      |       |       |      |       |       |      |
|--------------------|-----|--------------------------------------------------|-------|------|-------|-------|------|-------|-------|------|-------|-------|------|-------|-------|------|
|                    |     | 35                                               |       |      | 40    |       |      | 45    |       |      | 50    |       |      | 55    |       |      |
| CFM                | EWB | TC                                               | SHC   | BF   | TC    | SHC   | BF   | TC    | SHC   | BF   | TC    | SHC   | BF   | TC    | SHC   | BF   |
| EVD4X24M14A        |     |                                                  |       |      |       |       |      |       |       |      |       |       |      |       |       |      |
| 600                | 72  | 38.06                                            | 18.85 | 0.00 | 34.74 | 17.01 | 0.00 | 30.37 | 14.96 | 0.00 | 25.46 | 12.83 | 0.31 | 19.95 | 10.60 | 0.26 |
|                    | 67  | 31.57                                            | 19.60 | 0.35 | 27.59 | 17.60 | 0.24 | 23.30 | 15.48 | 0.24 | 18.38 | 13.15 | 0.24 | 13.13 | 10.76 | 0.26 |
|                    | 62  | 25.08                                            | 20.08 | 0.22 | 21.25 | 17.92 | 0.22 | 16.96 | 15.69 | 0.23 | 13.39 | 13.39 | 0.24 | 11.00 | 11.00 | 0.37 |
| 800                | 72  | 46.08                                            | 22.66 | 0.00 | 42.15 | 20.53 | 0.00 | 36.86 | 18.08 | 0.00 | 31.01 | 15.61 | 0.36 | 24.45 | 12.99 | 0.31 |
|                    | 67  | 38.30                                            | 23.78 | 0.38 | 33.43 | 21.40 | 0.29 | 28.38 | 18.91 | 0.29 | 22.55 | 16.23 | 0.29 | 16.05 | 13.29 | 0.30 |
|                    | 62  | 30.58                                            | 24.57 | 0.27 | 26.09 | 22.10 | 0.27 | 20.62 | 19.29 | 0.28 | 16.79 | 16.79 | 0.28 | 13.96 | 13.96 | 0.40 |
| 1000               | 72  | 53.45                                            | 26.08 | 0.00 | 48.57 | 23.56 | 0.00 | 42.53 | 20.82 | 0.00 | 35.61 | 18.00 | 0.38 | 28.53 | 15.13 | 0.35 |
|                    | 67  | 44.07                                            | 27.42 | 0.39 | 38.67 | 24.74 | 0.34 | 32.81 | 21.93 | 0.33 | 26.00 | 18.85 | 0.32 | 18.67 | 15.61 | 0.33 |
|                    | 62  | 35.26                                            | 28.48 | 0.31 | 29.91 | 25.64 | 0.31 | 23.88 | 22.58 | 0.31 | 19.78 | 19.78 | 0.32 | 16.51 | 16.51 | 0.43 |
| INDOOR COIL<br>AIR |     | SATURATED TEMPERATURE LEAVING EVAPORATOR (deg F) |       |      |       |       |      |       |       |      |       |       |      |       |       |      |
|                    |     | 35                                               |       |      | 40    |       |      | 45    |       |      | 50    |       |      | 55    |       |      |
| CFM                | EWB | TC                                               | SHC   | BF   | TC    | SHC   | BF   | TC    | SHC   | BF   | TC    | SHC   | BF   | TC    | SHC   | BF   |
| EVD4X24M17A        |     |                                                  |       |      |       |       |      |       |       |      |       |       |      |       |       |      |
| 600                | 72  | 38.15                                            | 18.98 | 0.00 | 34.55 | 17.06 | 0.00 | 30.16 | 14.98 | 0.00 | 25.32 | 12.86 | 0.30 | 19.85 | 10.63 | 0.25 |
|                    | 67  | 31.36                                            | 19.64 | 0.33 | 27.39 | 17.61 | 0.23 | 23.16 | 15.50 | 0.22 | 18.30 | 13.18 | 0.23 | 13.14 | 10.84 | 0.24 |
|                    | 62  | 24.91                                            | 20.09 | 0.20 | 21.10 | 17.93 | 0.21 | 16.87 | 15.70 | 0.22 | 13.27 | 13.27 | 0.23 | 10.85 | 10.84 | 0.36 |
| 800                | 72  | 45.75                                            | 22.73 | 0.00 | 41.97 | 20.63 | 0.00 | 36.72 | 18.18 | 0.00 | 30.91 | 15.69 | 0.35 | 24.38 | 13.07 | 0.30 |
|                    | 67  | 38.12                                            | 23.87 | 0.37 | 33.36 | 21.47 | 0.29 | 28.28 | 18.98 | 0.28 | 22.48 | 16.30 | 0.27 | 16.03 | 13.35 | 0.29 |
|                    | 62  | 30.33                                            | 24.58 | 0.26 | 25.98 | 22.17 | 0.26 | 20.64 | 19.42 | 0.26 | 16.69 | 16.69 | 0.27 | 13.88 | 13.88 | 0.38 |
| 1000               | 72  | 53.13                                            | 26.16 | 0.00 | 48.37 | 23.66 | 0.00 | 42.38 | 20.94 | 0.00 | 35.70 | 18.12 | 0.39 | 28.52 | 15.24 | 0.34 |
|                    | 67  | 43.87                                            | 27.50 | 0.39 | 38.42 | 24.85 | 0.32 | 32.70 | 22.03 | 0.32 | 26.02 | 18.98 | 0.31 | 18.68 | 15.71 | 0.32 |
|                    | 62  | 35.13                                            | 28.59 | 0.30 | 29.82 | 25.75 | 0.30 | 23.91 | 22.73 | 0.30 | 19.71 | 19.71 | 0.30 | 16.44 | 16.44 | 0.41 |
| INDOOR COIL<br>AIR |     | SATURATED TEMPERATURE LEAVING EVAPORATOR (deg F) |       |      |       |       |      |       |       |      |       |       |      |       |       |      |
|                    |     | 35                                               |       |      | 40    |       |      | 45    |       |      | 50    |       |      | 55    |       |      |
| CFM                | EWB | TC                                               | SHC   | BF   | TC    | SHC   | BF   | TC    | SHC   | BF   | TC    | SHC   | BF   | TC    | SHC   | BF   |
| EVD4X25M17A        |     |                                                  |       |      |       |       |      |       |       |      |       |       |      |       |       |      |
| 600                | 72  | 45.24                                            | 22.02 | 0.00 | 40.81 | 19.79 | 0.00 | 35.80 | 17.43 | 0.00 | 30.31 | 15.06 | 0.27 | 23.95 | 12.54 | 0.19 |
|                    | 67  | 36.90                                            | 22.63 | 0.30 | 32.41 | 20.34 | 0.19 | 27.45 | 17.98 | 0.16 | 21.92 | 15.45 | 0.16 | 15.99 | 12.86 | 0.17 |
|                    | 62  | 29.37                                            | 23.18 | 0.15 | 25.13 | 20.86 | 0.15 | 20.13 | 18.31 | 0.15 | 15.96 | 15.96 | 0.15 | 13.12 | 13.12 | 0.30 |
| 800                | 72  | 54.18                                            | 26.47 | 0.00 | 49.85 | 24.04 | 0.00 | 43.92 | 21.33 | 0.00 | 37.29 | 18.53 | 0.31 | 29.62 | 15.54 | 0.23 |
|                    | 67  | 45.26                                            | 27.79 | 0.31 | 39.76 | 25.02 | 0.24 | 33.84 | 22.27 | 0.21 | 27.16 | 19.27 | 0.20 | 19.81 | 16.10 | 0.21 |
|                    | 62  | 36.09                                            | 28.67 | 0.20 | 30.98 | 25.91 | 0.20 | 24.85 | 22.88 | 0.20 | 20.05 | 20.05 | 0.20 | 16.80 | 16.80 | 0.32 |
| 1000               | 72  | 62.99                                            | 30.47 | 0.00 | 57.67 | 27.71 | 0.00 | 50.88 | 24.67 | 0.00 | 43.24 | 21.49 | 0.35 | 34.77 | 18.19 | 0.28 |
|                    | 67  | 52.20                                            | 32.12 | 0.33 | 45.98 | 29.05 | 0.28 | 39.27 | 25.96 | 0.25 | 31.57 | 22.56 | 0.24 | 23.01 | 18.90 | 0.25 |
|                    | 62  | 41.80                                            | 33.45 | 0.23 | 35.93 | 30.32 | 0.24 | 28.85 | 26.87 | 0.23 | 23.80 | 23.80 | 0.24 | 20.08 | 20.08 | 0.35 |

Table 3 – Cooling Capacities (MBH) - R-410A Refrigerant (Continued)

| INDOOR COIL<br>AIR |     | SATURATED TEMPERATURE LEAVING EVAPORATOR (deg F) |       |      |       |       |      |       |       |      |       |       |      |       |       |      |
|--------------------|-----|--------------------------------------------------|-------|------|-------|-------|------|-------|-------|------|-------|-------|------|-------|-------|------|
|                    |     | 35                                               |       |      | 40    |       |      | 45    |       |      | 50    |       |      | 55    |       |      |
| CFM                | EWB | TC                                               | SHC   | BF   | TC    | SHC   | BF   | TC    | SHC   | BF   | TC    | SHC   | BF   | TC    | SHC   | BF   |
| EVD4X30M14A        |     |                                                  |       |      |       |       |      |       |       |      |       |       |      |       |       |      |
| 750                | 72  | 50.66                                            | 24.57 | 0.00 | 45.71 | 22.11 | 0.00 | 40.13 | 19.54 | 0.00 | 33.89 | 16.85 | 0.36 | 27.14 | 14.18 | 0.27 |
|                    | 67  | 41.37                                            | 25.45 | 0.00 | 36.25 | 22.85 | 0.27 | 30.79 | 20.26 | 0.24 | 24.59 | 17.47 | 0.23 | 17.89 | 14.59 | 0.23 |
|                    | 62  | 32.95                                            | 26.19 | 0.22 | 27.99 | 23.51 | 0.22 | 22.43 | 20.70 | 0.22 | 18.19 | 18.19 | 0.22 | 15.19 | 15.19 | 0.34 |
| 1000               | 72  | 60.27                                            | 29.21 | 0.00 | 54.96 | 26.44 | 0.00 | 48.40 | 23.49 | 0.00 | 40.96 | 20.35 | 0.40 | 32.86 | 17.19 | 0.32 |
|                    | 67  | 49.74                                            | 30.61 | 0.43 | 43.77 | 27.69 | 0.31 | 37.26 | 24.63 | 0.29 | 29.79 | 21.34 | 0.28 | 21.52 | 17.79 | 0.28 |
|                    | 62  | 39.71                                            | 31.81 | 0.27 | 33.83 | 28.72 | 0.27 | 27.16 | 25.40 | 0.27 | 22.59 | 22.59 | 0.27 | 18.99 | 18.99 | 0.38 |
| 1250               | 72  | 68.50                                            | 33.03 | 0.00 | 62.80 | 30.13 | 0.00 | 55.42 | 26.86 | 0.00 | 47.03 | 23.40 | 0.42 | 37.42 | 19.76 | 0.35 |
|                    | 67  | 56.83                                            | 35.07 | 0.41 | 50.16 | 31.86 | 0.35 | 42.76 | 28.43 | 0.33 | 34.19 | 24.72 | 0.32 | 24.53 | 20.55 | 0.32 |
|                    | 62  | 45.57                                            | 36.79 | 0.31 | 38.82 | 33.33 | 0.31 | 31.25 | 29.62 | 0.31 | 26.44 | 26.44 | 0.31 | 22.28 | 22.28 | 0.41 |
| INDOOR COIL<br>AIR |     | SATURATED TEMPERATURE LEAVING EVAPORATOR (deg F) |       |      |       |       |      |       |       |      |       |       |      |       |       |      |
|                    |     | 35                                               |       |      | 40    |       |      | 45    |       |      | 50    |       |      | 55    |       |      |
| CFM                | EWB | TC                                               | SHC   | BF   | TC    | SHC   | BF   | TC    | SHC   | BF   | TC    | SHC   | BF   | TC    | SHC   | BF   |
| EVD4X30M17A        |     |                                                  |       |      |       |       |      |       |       |      |       |       |      |       |       |      |
| 750                | 72  | 50.66                                            | 25.13 | 0.00 | 45.80 | 22.64 | 0.00 | 40.27 | 20.06 | 0.00 | 34.00 | 17.31 | 0.30 | 27.21 | 14.56 | 0.23 |
|                    | 67  | 41.50                                            | 26.09 | 0.29 | 36.42 | 23.47 | 0.22 | 30.94 | 20.81 | 0.20 | 24.76 | 17.94 | 0.20 | 18.06 | 14.97 | 0.20 |
|                    | 62  | 33.09                                            | 26.86 | 0.18 | 28.35 | 24.21 | 0.19 | 22.71 | 21.31 | 0.19 | 18.10 | 18.10 | 0.20 | 15.13 | 15.12 | 0.32 |
| 1000               | 72  | 60.09                                            | 29.83 | 0.00 | 55.27 | 27.24 | 0.00 | 48.78 | 24.25 | 0.00 | 41.33 | 21.08 | 0.33 | 33.17 | 17.79 | 0.28 |
|                    | 67  | 50.10                                            | 31.54 | 0.33 | 44.17 | 28.59 | 0.27 | 37.64 | 25.46 | 0.25 | 30.22 | 22.09 | 0.24 | 22.11 | 18.55 | 0.25 |
|                    | 62  | 40.08                                            | 32.80 | 0.24 | 34.48 | 29.74 | 0.24 | 27.70 | 26.36 | 0.23 | 22.70 | 22.70 | 0.24 | 19.12 | 19.12 | 0.35 |
| 1250               | 72  | 68.19                                            | 33.71 | 0.00 | 63.11 | 31.00 | 0.00 | 55.83 | 27.72 | 0.00 | 47.41 | 24.18 | 0.37 | 37.82 | 20.45 | 0.31 |
|                    | 67  | 57.19                                            | 36.13 | 0.35 | 50.57 | 32.88 | 0.31 | 43.25 | 29.44 | 0.29 | 34.77 | 25.66 | 0.28 | 25.36 | 21.57 | 0.29 |
|                    | 62  | 45.90                                            | 37.91 | 0.28 | 39.34 | 34.45 | 0.28 | 31.81 | 30.70 | 0.27 | 26.82 | 26.82 | 0.28 | 22.57 | 22.57 | 0.39 |
| INDOOR COIL<br>AIR |     | SATURATED TEMPERATURE LEAVING EVAPORATOR (deg F) |       |      |       |       |      |       |       |      |       |       |      |       |       |      |
|                    |     | 35                                               |       |      | 40    |       |      | 45    |       |      | 50    |       |      | 55    |       |      |
| CFM                | EWB | TC                                               | SHC   | BF   | TC    | SHC   | BF   | TC    | SHC   | BF   | TC    | SHC   | BF   | TC    | SHC   | BF   |
| EVD4X31M17A        |     |                                                  |       |      |       |       |      |       |       |      |       |       |      |       |       |      |
| 750                | 72  | 48.31                                            | 23.38 | 0.00 | 43.93 | 21.18 | 0.00 | 38.71 | 18.80 | 0.00 | 32.87 | 16.31 | 0.23 | 26.11 | 13.66 | 0.17 |
|                    | 67  | 39.74                                            | 24.37 | 0.21 | 35.07 | 22.00 | 0.17 | 29.78 | 19.51 | 0.15 | 23.91 | 16.85 | 0.15 | 17.53 | 14.08 | 0.16 |
|                    | 62  | 31.75                                            | 25.08 | 0.13 | 27.29 | 22.68 | 0.14 | 22.00 | 20.03 | 0.14 | 17.25 | 17.25 | 0.16 | 14.43 | 14.43 | 0.29 |
| 1000               | 72  | 57.79                                            | 27.96 | 0.00 | 53.28 | 25.60 | 0.00 | 47.20 | 22.90 | 0.00 | 40.23 | 19.99 | 0.27 | 32.08 | 16.87 | 0.21 |
|                    | 67  | 48.28                                            | 29.69 | 0.25 | 42.74 | 26.97 | 0.21 | 36.52 | 24.11 | 0.19 | 29.51 | 21.01 | 0.19 | 21.78 | 17.74 | 0.19 |
|                    | 62  | 38.74                                            | 30.93 | 0.18 | 33.49 | 28.17 | 0.18 | 27.04 | 25.00 | 0.18 | 22.03 | 22.03 | 0.19 | 18.57 | 18.57 | 0.31 |
| 1250               | 72  | 66.42                                            | 31.88 | 0.00 | 61.12 | 29.29 | 0.00 | 54.24 | 26.33 | 0.00 | 46.38 | 23.12 | 0.30 | 37.15 | 19.63 | 0.25 |
|                    | 67  | 55.30                                            | 34.17 | 0.28 | 49.10 | 31.20 | 0.25 | 42.17 | 28.06 | 0.23 | 34.14 | 24.57 | 0.22 | 25.28 | 20.88 | 0.22 |
|                    | 62  | 44.57                                            | 35.98 | 0.22 | 38.39 | 32.80 | 0.22 | 31.26 | 29.35 | 0.21 | 26.13 | 26.12 | 0.23 | 22.08 | 22.08 | 0.35 |

Table 3 – Cooling Capacities (MBH) - R-410A Refrigerant (Continued)

| INDOOR COIL<br>AIR |     | SATURATED TEMPERATURE LEAVING EVAPORATOR (deg F) |       |      |       |       |      |       |       |      |       |       |      |       |       |      |
|--------------------|-----|--------------------------------------------------|-------|------|-------|-------|------|-------|-------|------|-------|-------|------|-------|-------|------|
|                    |     | 35                                               |       |      | 40    |       |      | 45    |       |      | 50    |       |      | 55    |       |      |
| CFM                | EWB | TC                                               | SHC   | BF   | TC    | SHC   | BF   | TC    | SHC   | BF   | TC    | SHC   | BF   | TC    | SHC   | BF   |
| EVD4X36M17A        |     |                                                  |       |      |       |       |      |       |       |      |       |       |      |       |       |      |
| 900                | 72  | 59.55                                            | 29.55 | 0.00 | 54.44 | 26.84 | 0.00 | 47.80 | 23.73 | 0.00 | 40.29 | 20.46 | 0.33 | 32.20 | 17.20 | 0.26 |
|                    | 67  | 49.33                                            | 30.93 | 0.37 | 43.24 | 27.81 | 0.26 | 36.66 | 24.63 | 0.24 | 29.32 | 21.26 | 0.23 | 21.36 | 17.74 | 0.23 |
|                    | 62  | 39.28                                            | 31.85 | 0.22 | 33.65 | 28.75 | 0.22 | 26.91 | 25.31 | 0.22 | 21.68 | 21.68 | 0.22 | 18.19 | 18.19 | 0.34 |
| 1200               | 72  | 71.40                                            | 35.22 | 0.00 | 65.42 | 32.08 | 0.00 | 57.59 | 28.52 | 0.00 | 48.64 | 24.69 | 0.38 | 38.60 | 20.76 | 0.31 |
|                    | 67  | 59.24                                            | 37.20 | 0.38 | 52.14 | 33.67 | 0.31 | 44.36 | 29.95 | 0.29 | 35.46 | 25.94 | 0.28 | 25.80 | 21.73 | 0.28 |
|                    | 62  | 47.29                                            | 38.66 | 0.27 | 40.38 | 34.97 | 0.27 | 32.51 | 31.01 | 0.27 | 26.94 | 26.94 | 0.27 | 22.67 | 22.67 | 0.38 |
| 1500               | 72  | 81.69                                            | 39.99 | 0.00 | 74.74 | 36.49 | 0.00 | 65.86 | 32.58 | 0.00 | 55.79 | 28.36 | 0.41 | 44.31 | 23.93 | 0.34 |
|                    | 67  | 67.67                                            | 42.61 | 0.40 | 59.64 | 38.67 | 0.35 | 50.88 | 34.56 | 0.33 | 40.67 | 30.02 | 0.32 | 29.67 | 25.32 | 0.32 |
|                    | 62  | 54.19                                            | 44.68 | 0.31 | 46.62 | 40.62 | 0.31 | 37.27 | 36.04 | 0.31 | 31.49 | 31.49 | 0.31 | 26.59 | 26.59 | 0.42 |
| INDOOR COIL<br>AIR |     | SATURATED TEMPERATURE LEAVING EVAPORATOR (deg F) |       |      |       |       |      |       |       |      |       |       |      |       |       |      |
|                    |     | 35                                               |       |      | 40    |       |      | 45    |       |      | 50    |       |      | 55    |       |      |
| CFM                | EWB | TC                                               | SHC   | BF   | TC    | SHC   | BF   | TC    | SHC   | BF   | TC    | SHC   | BF   | TC    | SHC   | BF   |
| EVD4X36M21A        |     |                                                  |       |      |       |       |      |       |       |      |       |       |      |       |       |      |
| 900                | 72  | 60.16                                            | 30.07 | 0.00 | 54.89 | 27.26 | 0.00 | 48.25 | 24.12 | 0.00 | 40.76 | 20.82 | 0.35 | 32.65 | 17.53 | 0.26 |
|                    | 67  | 49.73                                            | 31.40 | 0.00 | 43.59 | 28.20 | 0.26 | 37.00 | 25.03 | 0.23 | 29.61 | 21.63 | 0.22 | 21.60 | 18.10 | 0.23 |
|                    | 62  | 39.57                                            | 32.33 | 0.22 | 33.84 | 29.13 | 0.22 | 27.06 | 25.67 | 0.21 | 21.94 | 21.94 | 0.21 | 18.43 | 18.43 | 0.33 |
| 1200               | 72  | 72.09                                            | 35.82 | 0.00 | 65.96 | 32.57 | 0.00 | 58.14 | 28.99 | 0.00 | 49.23 | 25.14 | 0.39 | 39.46 | 21.23 | 0.32 |
|                    | 67  | 59.70                                            | 37.76 | 0.40 | 52.56 | 34.14 | 0.31 | 44.74 | 30.42 | 0.29 | 35.81 | 26.40 | 0.27 | 26.09 | 22.17 | 0.27 |
|                    | 62  | 47.62                                            | 39.22 | 0.27 | 40.89 | 35.55 | 0.27 | 32.73 | 31.50 | 0.26 | 27.24 | 27.24 | 0.26 | 22.96 | 22.96 | 0.37 |
| 1500               | 72  | 81.31                                            | 40.28 | 0.00 | 75.23 | 37.07 | 0.00 | 66.47 | 33.10 | 0.00 | 56.46 | 28.88 | 0.42 | 44.87 | 24.40 | 0.34 |
|                    | 67  | 68.09                                            | 43.19 | 0.40 | 60.11 | 39.22 | 0.35 | 51.32 | 35.11 | 0.33 | 41.07 | 30.56 | 0.31 | 30.00 | 25.83 | 0.31 |
|                    | 62  | 54.51                                            | 45.31 | 0.31 | 46.60 | 41.17 | 0.30 | 37.57 | 36.67 | 0.30 | 31.84 | 31.84 | 0.31 | 26.92 | 26.92 | 0.41 |
| INDOOR COIL<br>AIR |     | SATURATED TEMPERATURE LEAVING EVAPORATOR (deg F) |       |      |       |       |      |       |       |      |       |       |      |       |       |      |
|                    |     | 35                                               |       |      | 40    |       |      | 45    |       |      | 50    |       |      | 55    |       |      |
| CFM                | EWB | TC                                               | SHC   | BF   | TC    | SHC   | BF   | TC    | SHC   | BF   | TC    | SHC   | BF   | TC    | SHC   | BF   |
| EVD4X37M21A        |     |                                                  |       |      |       |       |      |       |       |      |       |       |      |       |       |      |
| 900                | 72  | 61.32                                            | 29.68 | 0.00 | 55.63 | 26.86 | 0.00 | 48.95 | 23.79 | 0.00 | 41.46 | 20.59 | 0.31 | 33.21 | 17.33 | 0.23 |
|                    | 67  | 50.38                                            | 30.93 | 0.32 | 44.21 | 27.79 | 0.23 | 37.61 | 24.72 | 0.20 | 30.15 | 21.37 | 0.19 | 22.06 | 17.91 | 0.20 |
|                    | 62  | 40.13                                            | 31.84 | 0.18 | 34.23 | 28.67 | 0.19 | 27.62 | 25.37 | 0.19 | 22.17 | 22.17 | 0.19 | 18.66 | 18.66 | 0.31 |
| 1200               | 72  | 72.92                                            | 35.23 | 0.00 | 67.06 | 32.22 | 0.00 | 59.21 | 28.72 | 0.00 | 50.24 | 24.97 | 0.35 | 40.39 | 21.15 | 0.28 |
|                    | 67  | 60.73                                            | 37.37 | 0.33 | 53.52 | 33.79 | 0.28 | 45.61 | 30.15 | 0.25 | 36.66 | 26.23 | 0.24 | 26.89 | 22.11 | 0.24 |
|                    | 62  | 48.52                                            | 38.84 | 0.24 | 41.75 | 35.28 | 0.24 | 33.56 | 31.30 | 0.23 | 27.71 | 27.71 | 0.24 | 23.41 | 23.41 | 0.35 |
| 1500               | 72  | 82.48                                            | 39.65 | 0.00 | 76.45 | 36.61 | 0.00 | 67.69 | 32.81 | 0.00 | 57.60 | 28.67 | 0.38 | 45.93 | 24.28 | 0.31 |
|                    | 67  | 69.19                                            | 42.72 | 0.36 | 61.20 | 38.84 | 0.32 | 52.35 | 34.84 | 0.30 | 42.09 | 30.41 | 0.28 | 30.87 | 25.74 | 0.28 |
|                    | 62  | 55.45                                            | 44.82 | 0.28 | 47.56 | 40.83 | 0.27 | 38.51 | 36.44 | 0.27 | 32.47 | 32.47 | 0.28 | 27.58 | 27.58 | 0.38 |

Table 3 – Cooling Capacities (MBH) - R-410A Refrigerant (Continued)

| INDOOR COIL<br>AIR |     | SATURATED TEMPERATURE LEAVING EVAPORATOR (deg F) |       |      |       |       |      |       |       |      |       |       |      |       |       |      |
|--------------------|-----|--------------------------------------------------|-------|------|-------|-------|------|-------|-------|------|-------|-------|------|-------|-------|------|
|                    |     | 35                                               |       |      | 40    |       |      | 45    |       |      | 50    |       |      | 55    |       |      |
| CFM                | EWB | TC                                               | SHC   | BF   | TC    | SHC   | BF   | TC    | SHC   | BF   | TC    | SHC   | BF   | TC    | SHC   | BF   |
| EVD4X38M17A        |     |                                                  |       |      |       |       |      |       |       |      |       |       |      |       |       |      |
| 900                | 72  | 66.07                                            | 31.91 | 0.00 | 60.51 | 29.14 | 0.00 | 53.50 | 25.93 | 0.00 | 45.53 | 22.52 | 0.26 | 36.40 | 18.96 | 0.18 |
|                    | 67  | 54.68                                            | 33.46 | 0.24 | 48.32 | 30.25 | 0.18 | 41.21 | 26.95 | 0.16 | 33.18 | 23.39 | 0.14 | 24.47 | 19.70 | 0.15 |
|                    | 62  | 43.69                                            | 34.53 | 0.14 | 37.44 | 31.22 | 0.14 | 30.29 | 27.69 | 0.14 | 24.16 | 24.16 | 0.15 | 20.25 | 20.25 | 0.28 |
| 1200               | 72  | 79.72                                            | 38.31 | 0.00 | 73.31 | 35.16 | 0.00 | 65.05 | 31.50 | 0.00 | 55.57 | 27.54 | 0.30 | 44.55 | 23.33 | 0.22 |
|                    | 67  | 66.30                                            | 40.72 | 0.27 | 58.77 | 37.01 | 0.23 | 50.27 | 33.13 | 0.20 | 40.62 | 28.98 | 0.19 | 30.05 | 24.56 | 0.19 |
|                    | 62  | 53.16                                            | 42.51 | 0.18 | 45.65 | 38.61 | 0.18 | 37.12 | 34.48 | 0.18 | 30.81 | 30.81 | 0.18 | 25.92 | 25.92 | 0.31 |
| 1500               | 72  | 91.34                                            | 43.62 | 0.00 | 83.79 | 40.08 | 0.00 | 74.58 | 36.13 | 0.00 | 63.95 | 31.79 | 0.32 | 51.42 | 27.10 | 0.26 |
|                    | 67  | 75.79                                            | 46.79 | 0.29 | 67.42 | 42.76 | 0.26 | 57.89 | 38.51 | 0.24 | 46.90 | 33.84 | 0.22 | 34.76 | 28.85 | 0.22 |
|                    | 62  | 60.90                                            | 49.27 | 0.22 | 52.78 | 45.15 | 0.22 | 42.76 | 40.40 | 0.21 | 36.45 | 36.45 | 0.22 | 30.76 | 30.76 | 0.34 |
| INDOOR COIL<br>AIR |     | SATURATED TEMPERATURE LEAVING EVAPORATOR (deg F) |       |      |       |       |      |       |       |      |       |       |      |       |       |      |
|                    |     | 35                                               |       |      | 40    |       |      | 45    |       |      | 50    |       |      | 55    |       |      |
| CFM                | EWB | TC                                               | SHC   | BF   | TC    | SHC   | BF   | TC    | SHC   | BF   | TC    | SHC   | BF   | TC    | SHC   | BF   |
| EVD4X42M17A        |     |                                                  |       |      |       |       |      |       |       |      |       |       |      |       |       |      |
| 1050               | 72  | 65.43                                            | 31.44 | 0.00 | 59.39 | 28.48 | 0.00 | 52.11 | 25.23 | 0.00 | 43.99 | 21.82 | 0.33 | 34.78 | 18.27 | 0.26 |
|                    | 67  | 53.67                                            | 32.89 | 0.32 | 47.22 | 29.72 | 0.26 | 40.13 | 26.40 | 0.25 | 32.15 | 22.83 | 0.24 | 23.48 | 19.13 | 0.24 |
|                    | 62  | 42.89                                            | 34.07 | 0.23 | 36.64 | 30.75 | 0.23 | 29.52 | 27.22 | 0.23 | 24.03 | 24.03 | 0.24 | 20.16 | 20.16 | 0.35 |
| 1400               | 72  | 76.92                                            | 36.84 | 0.00 | 70.69 | 33.74 | 0.00 | 62.23 | 30.07 | 0.00 | 52.71 | 26.19 | 0.37 | 41.80 | 22.05 | 0.32 |
|                    | 67  | 63.99                                            | 39.33 | 0.36 | 56.40 | 35.67 | 0.32 | 48.14 | 31.89 | 0.30 | 38.65 | 27.74 | 0.29 | 28.13 | 23.27 | 0.30 |
|                    | 62  | 51.30                                            | 41.18 | 0.28 | 43.92 | 37.36 | 0.28 | 35.46 | 33.24 | 0.28 | 29.62 | 29.62 | 0.29 | 25.00 | 25.00 | 0.40 |
| 1750               | 72  | 87.33                                            | 41.55 | 0.00 | 80.24 | 38.22 | 0.00 | 70.83 | 34.23 | 0.00 | 60.13 | 29.96 | 0.40 | 47.64 | 25.28 | 0.35 |
|                    | 67  | 72.62                                            | 44.86 | 0.38 | 63.96 | 40.92 | 0.34 | 54.90 | 36.66 | 0.34 | 43.99 | 31.96 | 0.33 | 32.19 | 27.03 | 0.33 |
|                    | 62  | 58.47                                            | 47.43 | 0.32 | 50.06 | 43.20 | 0.32 | 40.44 | 38.54 | 0.32 | 34.43 | 34.43 | 0.33 | 29.17 | 29.17 | 0.43 |
| INDOOR COIL<br>AIR |     | SATURATED TEMPERATURE LEAVING EVAPORATOR (deg F) |       |      |       |       |      |       |       |      |       |       |      |       |       |      |
|                    |     | 35                                               |       |      | 40    |       |      | 45    |       |      | 50    |       |      | 55    |       |      |
| CFM                | EWB | TC                                               | SHC   | BF   | TC    | SHC   | BF   | TC    | SHC   | BF   | TC    | SHC   | BF   | TC    | SHC   | BF   |
| EVD4X42M21A        |     |                                                  |       |      |       |       |      |       |       |      |       |       |      |       |       |      |
| 1050               | 72  | 67.79                                            | 33.30 | 0.00 | 61.46 | 30.13 | 0.00 | 53.97 | 26.70 | 0.00 | 45.68 | 23.14 | 0.36 | 36.22 | 19.42 | 0.28 |
|                    | 67  | 55.62                                            | 34.83 | 0.39 | 48.84 | 31.40 | 0.29 | 41.53 | 27.93 | 0.26 | 33.24 | 24.17 | 0.25 | 24.28 | 20.29 | 0.25 |
|                    | 62  | 44.37                                            | 36.06 | 0.24 | 37.80 | 32.52 | 0.24 | 30.43 | 28.80 | 0.24 | 24.94 | 24.94 | 0.24 | 20.94 | 20.94 | 0.36 |
| 1400               | 72  | 79.88                                            | 39.09 | 0.00 | 73.16 | 35.70 | 0.00 | 64.43 | 31.80 | 0.00 | 54.67 | 27.73 | 0.40 | 43.49 | 23.40 | 0.33 |
|                    | 67  | 66.20                                            | 41.59 | 0.39 | 58.32 | 37.68 | 0.34 | 49.72 | 33.65 | 0.32 | 39.90 | 29.31 | 0.30 | 29.02 | 24.63 | 0.30 |
|                    | 62  | 52.97                                            | 43.49 | 0.30 | 45.23 | 39.41 | 0.30 | 36.47 | 35.07 | 0.29 | 30.68 | 30.68 | 0.30 | 25.90 | 25.90 | 0.40 |
| 1750               | 72  | 89.44                                            | 43.70 | 0.00 | 82.93 | 40.37 | 0.00 | 73.30 | 36.18 | 0.00 | 62.24 | 31.63 | 0.43 | 49.48 | 26.79 | 0.37 |
|                    | 67  | 75.08                                            | 47.39 | 0.41 | 66.36 | 43.15 | 0.37 | 56.74 | 38.71 | 0.35 | 45.40 | 33.78 | 0.34 | 33.13 | 28.56 | 0.34 |
|                    | 62  | 60.13                                            | 49.92 | 0.34 | 51.46 | 45.48 | 0.33 | 41.63 | 40.66 | 0.33 | 35.61 | 35.61 | 0.34 | 30.13 | 30.13 | 0.44 |

Table 3 – Cooling Capacities (MBH) - R-410A Refrigerant (Continued)

| INDOOR COIL<br>AIR |     | SATURATED TEMPERATURE LEAVING EVAPORATOR (deg F) |       |      |       |       |      |       |       |      |       |       |      |       |       |      |
|--------------------|-----|--------------------------------------------------|-------|------|-------|-------|------|-------|-------|------|-------|-------|------|-------|-------|------|
|                    |     | 35                                               |       |      | 40    |       |      | 45    |       |      | 50    |       |      | 55    |       |      |
| CFM                | EWB | TC                                               | SHC   | BF   | TC    | SHC   | BF   | TC    | SHC   | BF   | TC    | SHC   | BF   | TC    | SHC   | BF   |
| EVD4X42M24A        |     |                                                  |       |      |       |       |      |       |       |      |       |       |      |       |       |      |
| 1050               | 72  | 74.72                                            | 35.51 | 0.00 | 68.10 | 32.34 | 0.00 | 60.27 | 28.85 | 0.00 | 51.53 | 25.22 | 0.30 | 41.29 | 21.27 | 0.22 |
|                    | 67  | 61.57                                            | 37.31 | 0.28 | 54.52 | 33.85 | 0.22 | 46.55 | 30.20 | 0.19 | 37.57 | 26.35 | 0.18 | 27.74 | 22.31 | 0.17 |
|                    | 62  | 49.21                                            | 38.69 | 0.17 | 42.40 | 35.17 | 0.17 | 34.19 | 31.23 | 0.17 | 27.99 | 27.99 | 0.17 | 23.60 | 23.60 | 0.30 |
| 1400               | 72  | 88.62                                            | 41.93 | 0.00 | 81.41 | 38.52 | 0.00 | 72.32 | 34.59 | 0.00 | 61.98 | 30.40 | 0.34 | 49.86 | 25.88 | 0.26 |
|                    | 67  | 73.58                                            | 44.80 | 0.31 | 65.34 | 40.84 | 0.27 | 56.04 | 36.73 | 0.24 | 45.38 | 32.27 | 0.22 | 33.59 | 27.49 | 0.22 |
|                    | 62  | 59.09                                            | 47.08 | 0.22 | 50.82 | 42.97 | 0.22 | 41.35 | 38.50 | 0.21 | 35.15 | 35.15 | 0.22 | 29.58 | 29.58 | 0.34 |
| 1750               | 72  | 100.52                                           | 47.28 | 0.00 | 92.09 | 43.51 | 0.00 | 82.10 | 39.32 | 0.00 | 70.58 | 34.75 | 0.36 | 56.93 | 29.76 | 0.30 |
|                    | 67  | 83.23                                            | 51.00 | 0.33 | 74.16 | 46.75 | 0.30 | 63.79 | 42.23 | 0.28 | 51.81 | 37.34 | 0.26 | 38.38 | 31.96 | 0.26 |
|                    | 62  | 66.94                                            | 54.08 | 0.26 | 57.78 | 49.65 | 0.26 | 47.22 | 44.81 | 0.25 | 41.18 | 41.18 | 0.26 | 34.80 | 34.80 | 0.37 |
| INDOOR COIL<br>AIR |     | SATURATED TEMPERATURE LEAVING EVAPORATOR (deg F) |       |      |       |       |      |       |       |      |       |       |      |       |       |      |
|                    |     | 35                                               |       |      | 40    |       |      | 45    |       |      | 50    |       |      | 55    |       |      |
| CFM                | EWB | TC                                               | SHC   | BF   | TC    | SHC   | BF   | TC    | SHC   | BF   | TC    | SHC   | BF   | TC    | SHC   | BF   |
| EVD4X48M21A        |     |                                                  |       |      |       |       |      |       |       |      |       |       |      |       |       |      |
| 1200               | 72  | 73.87                                            | 35.91 | 0.00 | 67.26 | 32.69 | 0.00 | 59.32 | 29.10 | 0.00 | 50.53 | 25.40 | 0.35 | 40.27 | 21.41 | 0.28 |
|                    | 67  | 60.80                                            | 37.84 | 0.35 | 53.64 | 34.26 | 0.28 | 45.78 | 30.63 | 0.25 | 36.83 | 26.68 | 0.24 | 27.06 | 22.53 | 0.24 |
|                    | 62  | 48.63                                            | 39.41 | 0.24 | 41.58 | 35.70 | 0.23 | 33.61 | 31.77 | 0.23 | 27.83 | 27.83 | 0.23 | 23.56 | 23.56 | 0.35 |
| 1600               | 72  | 85.80                                            | 41.62 | 0.00 | 79.40 | 38.44 | 0.00 | 70.40 | 34.51 | 0.00 | 60.05 | 30.24 | 0.39 | 48.05 | 25.71 | 0.32 |
|                    | 67  | 71.91                                            | 44.97 | 0.37 | 63.61 | 40.91 | 0.33 | 54.43 | 36.75 | 0.31 | 43.93 | 32.24 | 0.29 | 32.18 | 27.29 | 0.29 |
|                    | 62  | 57.60                                            | 47.29 | 0.29 | 49.42 | 43.11 | 0.28 | 40.07 | 38.60 | 0.28 | 34.55 | 34.55 | 0.28 | 29.07 | 29.07 | 0.39 |
| 2000               | 72  | 96.29                                            | 46.56 | 0.00 | 89.52 | 43.29 | 0.00 | 79.58 | 39.08 | 0.00 | 68.10 | 34.44 | 0.42 | 55.12 | 29.51 | 0.37 |
|                    | 67  | 80.98                                            | 51.00 | 0.39 | 71.92 | 46.66 | 0.37 | 61.79 | 42.16 | 0.35 | 49.89 | 37.15 | 0.33 | 36.81 | 31.75 | 0.33 |
|                    | 62  | 65.18                                            | 54.29 | 0.33 | 55.93 | 49.66 | 0.32 | 45.77 | 44.98 | 0.31 | 40.04 | 40.04 | 0.33 | 33.77 | 33.77 | 0.43 |
| INDOOR COIL<br>AIR |     | SATURATED TEMPERATURE LEAVING EVAPORATOR (deg F) |       |      |       |       |      |       |       |      |       |       |      |       |       |      |
|                    |     | 35                                               |       |      | 40    |       |      | 45    |       |      | 50    |       |      | 55    |       |      |
| CFM                | EWB | TC                                               | SHC   | BF   | TC    | SHC   | BF   | TC    | SHC   | BF   | TC    | SHC   | BF   | TC    | SHC   | BF   |
| EVD4X48M24A        |     |                                                  |       |      |       |       |      |       |       |      |       |       |      |       |       |      |
| 1200               | 72  | 79.81                                            | 39.46 | 0.00 | 72.63 | 35.89 | 0.00 | 64.23 | 32.05 | 0.00 | 54.82 | 28.00 | 0.36 | 44.23 | 23.72 | 0.28 |
|                    | 67  | 65.66                                            | 41.55 | 0.35 | 58.07 | 37.69 | 0.28 | 49.57 | 33.68 | 0.25 | 39.89 | 29.37 | 0.23 | 29.37 | 24.88 | 0.23 |
|                    | 62  | 52.48                                            | 43.24 | 0.23 | 45.18 | 39.31 | 0.23 | 36.39 | 34.98 | 0.22 | 30.13 | 30.13 | 0.22 | 25.54 | 25.54 | 0.34 |
| 1600               | 72  | 92.80                                            | 45.79 | 0.00 | 85.82 | 42.25 | 0.00 | 76.13 | 37.94 | 0.00 | 65.13 | 33.33 | 0.39 | 52.26 | 28.37 | 0.32 |
|                    | 67  | 77.65                                            | 49.37 | 0.37 | 68.80 | 44.96 | 0.33 | 58.91 | 40.41 | 0.30 | 47.64 | 35.54 | 0.28 | 35.17 | 30.33 | 0.28 |
|                    | 62  | 62.25                                            | 52.00 | 0.28 | 53.44 | 47.46 | 0.27 | 43.37 | 42.51 | 0.27 | 37.47 | 37.47 | 0.27 | 31.56 | 31.56 | 0.38 |
| 2000               | 72  | 104.22                                           | 51.22 | 0.00 | 96.76 | 47.59 | 0.00 | 86.10 | 42.99 | 0.00 | 73.87 | 37.96 | 0.42 | 59.44 | 32.52 | 0.35 |
|                    | 67  | 87.44                                            | 56.01 | 0.39 | 77.79 | 51.29 | 0.36 | 66.83 | 46.35 | 0.34 | 54.08 | 40.97 | 0.32 | 39.80 | 35.01 | 0.32 |
|                    | 62  | 70.20                                            | 59.49 | 0.32 | 60.49 | 54.66 | 0.31 | 49.10 | 49.17 | 0.31 | 43.45 | 43.45 | 0.32 | 36.70 | 36.70 | 0.42 |

Table 3 – Cooling Capacities (MBH) - R-410A Refrigerant (Continued)

| INDOOR COIL<br>AIR |     | SATURATED TEMPERATURE LEAVING EVAPORATOR (deg F) |       |      |        |       |      |        |       |      |       |       |      |       |       |      |
|--------------------|-----|--------------------------------------------------|-------|------|--------|-------|------|--------|-------|------|-------|-------|------|-------|-------|------|
|                    |     | 35                                               |       |      | 40     |       |      | 45     |       |      | 50    |       |      | 55    |       |      |
| CFM                | EWB | TC                                               | SHC   | BF   | TC     | SHC   | BF   | TC     | SHC   | BF   | TC    | SHC   | BF   | TC    | SHC   | BF   |
| EVD4X49M24A        |     |                                                  |       |      |        |       |      |        |       |      |       |       |      |       |       |      |
| 1500               | 72  | 90.26                                            | 43.73 | 0.00 | 82.55  | 40.07 | 0.00 | 73.49  | 36.11 | 0.00 | 63.13 | 31.82 | 0.35 | 50.91 | 27.11 | 0.28 |
|                    | 67  | 74.67                                            | 46.77 | 0.32 | 66.41  | 42.72 | 0.28 | 57.05  | 38.44 | 0.26 | 46.10 | 33.79 | 0.24 | 34.38 | 29.04 | 0.23 |
|                    | 62  | 59.91                                            | 49.19 | 0.24 | 51.58  | 45.00 | 0.23 | 42.01  | 40.40 | 0.22 | 36.06 | 36.06 | 0.23 | 30.41 | 30.41 | 0.34 |
| 2000               | 72  | 104.83                                           | 50.53 | 0.00 | 96.12  | 46.62 | 0.00 | 85.82  | 42.26 | 0.00 | 73.96 | 37.49 | 0.38 | 59.91 | 32.27 | 0.33 |
|                    | 67  | 86.77                                            | 54.89 | 0.35 | 77.52  | 50.46 | 0.33 | 66.78  | 45.69 | 0.31 | 54.39 | 40.64 | 0.29 | 40.25 | 34.86 | 0.28 |
|                    | 62  | 69.94                                            | 58.58 | 0.29 | 60.46  | 54.03 | 0.28 | 49.45  | 48.80 | 0.28 | 43.97 | 43.97 | 0.29 | 37.22 | 37.22 | 0.39 |
| 2500               | 72  | 114.87                                           | 55.49 | 0.00 | 106.87 | 51.96 | 0.00 | 95.76  | 47.41 | 0.00 | 82.86 | 42.35 | 0.41 | 67.33 | 36.71 | 0.36 |
|                    | 67  | 96.83                                            | 61.97 | 0.38 | 86.52  | 57.14 | 0.36 | 74.87  | 52.09 | 0.35 | 61.10 | 46.60 | 0.33 | 45.24 | 40.22 | 0.32 |
|                    | 62  | 78.12                                            | 66.89 | 0.33 | 67.54  | 61.88 | 0.32 | 56.77  | 56.77 | 0.27 | 51.01 | 51.00 | 0.34 | 43.04 | 43.04 | 0.44 |
| INDOOR COIL<br>AIR |     | SATURATED TEMPERATURE LEAVING EVAPORATOR (deg F) |       |      |        |       |      |        |       |      |       |       |      |       |       |      |
|                    |     | 35                                               |       |      | 40     |       |      | 45     |       |      | 50    |       |      | 55    |       |      |
| CFM                | EWB | TC                                               | SHC   | BF   | TC     | SHC   | BF   | TC     | SHC   | BF   | TC    | SHC   | BF   | TC    | SHC   | BF   |
| EVD4X60M24A        |     |                                                  |       |      |        |       |      |        |       |      |       |       |      |       |       |      |
| 1500               | 72  | 95.05                                            | 47.18 | 0.00 | 86.49  | 43.00 | 0.00 | 76.55  | 38.48 | 0.00 | 65.38 | 33.70 | 0.35 | 51.86 | 28.42 | 0.27 |
|                    | 67  | 78.43                                            | 50.08 | 0.34 | 69.21  | 45.39 | 0.29 | 59.16  | 40.67 | 0.26 | 47.65 | 35.57 | 0.24 | 35.04 | 30.13 | 0.24 |
|                    | 62  | 62.48                                            | 52.17 | 0.24 | 53.93  | 47.59 | 0.24 | 43.48  | 42.45 | 0.23 | 36.52 | 36.52 | 0.23 | 30.90 | 30.90 | 0.35 |
| 2000               | 72  | 110.73                                           | 54.63 | 0.00 | 101.58 | 50.38 | 0.00 | 90.20  | 45.36 | 0.00 | 77.27 | 39.99 | 0.39 | 62.03 | 34.13 | 0.32 |
|                    | 67  | 91.79                                            | 59.02 | 0.37 | 81.54  | 53.95 | 0.33 | 69.87  | 48.63 | 0.31 | 56.53 | 42.89 | 0.29 | 41.61 | 36.55 | 0.29 |
|                    | 62  | 73.61                                            | 62.44 | 0.29 | 63.34  | 57.26 | 0.28 | 51.39  | 51.36 | 0.28 | 45.11 | 45.11 | 0.29 | 38.01 | 38.01 | 0.39 |
| 2500               | 72  | 122.60                                           | 60.37 | 0.00 | 113.83 | 56.48 | 0.00 | 101.48 | 51.19 | 0.00 | 87.16 | 45.35 | 0.41 | 69.91 | 38.89 | 0.36 |
|                    | 67  | 102.94                                           | 66.78 | 0.39 | 91.68  | 61.38 | 0.37 | 78.81  | 55.62 | 0.35 | 63.73 | 49.18 | 0.33 | 47.11 | 42.25 | 0.33 |
|                    | 62  | 82.83                                            | 71.48 | 0.33 | 71.33  | 65.79 | 0.32 | 59.65  | 61.14 | 0.30 | 51.69 | 51.69 | 0.34 | 43.99 | 43.99 | 0.44 |
| INDOOR COIL<br>AIR |     | SATURATED TEMPERATURE LEAVING EVAPORATOR (deg F) |       |      |        |       |      |        |       |      |       |       |      |       |       |      |
|                    |     | 35                                               |       |      | 40     |       |      | 45     |       |      | 50    |       |      | 55    |       |      |
| CFM                | EWB | TC                                               | SHC   | BF   | TC     | SHC   | BF   | TC     | SHC   | BF   | TC    | SHC   | BF   | TC    | SHC   | BF   |
| EVD4X61M24A        |     |                                                  |       |      |        |       |      |        |       |      |       |       |      |       |       |      |
| 1500               | 72  | 94.46                                            | 45.65 | 0.00 | 86.26  | 41.81 | 0.00 | 76.80  | 37.61 | 0.00 | 65.93 | 33.10 | 0.30 | 53.14 | 28.19 | 0.23 |
|                    | 67  | 77.91                                            | 48.53 | 0.27 | 69.38  | 44.37 | 0.23 | 59.55  | 39.89 | 0.21 | 48.22 | 35.07 | 0.19 | 35.85 | 29.95 | 0.18 |
|                    | 62  | 62.60                                            | 51.02 | 0.19 | 53.97  | 46.63 | 0.18 | 43.99  | 41.83 | 0.18 | 37.12 | 37.12 | 0.19 | 31.34 | 31.34 | 0.31 |
| 2000               | 72  | 110.16                                           | 52.98 | 0.00 | 101.33 | 49.08 | 0.00 | 90.57  | 44.50 | 0.00 | 78.09 | 39.47 | 0.33 | 63.23 | 33.91 | 0.27 |
|                    | 67  | 91.60                                            | 57.64 | 0.30 | 81.85  | 53.03 | 0.27 | 70.60  | 48.04 | 0.25 | 57.38 | 42.57 | 0.24 | 42.80 | 36.62 | 0.23 |
|                    | 62  | 73.76                                            | 61.30 | 0.24 | 63.81  | 56.46 | 0.23 | 52.76  | 51.59 | 0.22 | 45.76 | 45.76 | 0.25 | 38.83 | 38.83 | 0.36 |
| 2500               | 72  | 122.87                                           | 59.05 | 0.00 | 113.06 | 54.89 | 0.00 | 101.33 | 50.02 | 0.00 | 87.66 | 44.67 | 0.35 | 71.21 | 38.64 | 0.31 |
|                    | 67  | 102.27                                           | 65.08 | 0.33 | 91.57  | 60.13 | 0.31 | 79.23  | 54.80 | 0.29 | 64.58 | 48.89 | 0.27 | 48.31 | 42.31 | 0.27 |
|                    | 62  | 82.54                                            | 69.99 | 0.28 | 71.56  | 64.86 | 0.27 | 60.86  | 60.73 | 0.25 | 53.27 | 53.27 | 0.29 | 45.29 | 45.29 | 0.40 |

CFM - Cubic Ft. per Minute

EWB - Entering Wet Bulb (°F)

LWB - Leaving Wet Bulb (°F)

TC - Gross Cooling Capacity 1000 Btuh

SHC - Gross Sensible Capacity 1000 Btuh

BF - Bypass Factor

MBH - 1000 Btuh

**COOLING CAPACITIES NOTES:**

1. Contact manufacturer for cooling capacities at conditions other than shown in table.

2. Formulas:

$$\text{Leaving db} = \text{entering db} - \frac{\text{sensible heat cap.}}{1.09 \times \text{CFM}}$$

$$\text{Leaving wb} = \text{wb corresponding to enthalpy of air leaving coil (h}_{\text{LWB}})$$

$$h_{\text{LWB}} = h_{\text{EWB}} - \frac{\text{total capacity (Btuh)}}{4.5 \times \text{CFM}}$$

Where  $h_{\text{EWB}}$  = enthalpy of air entering coil

3. SHC is based on 80°F db temperature of air entering the evaporator coil.

Below 80°F db, subtract (Correction Factor x CFM) from SHC.

Above 80°F db, add (Correction Factor x CFM) to SHC.

4. Direct interpolation is permissible. Do not extrapolate.

5. Fan motor heat has not been deducted.

6. All data points are based on approximately 10°F superheat measured at the suction service valve and use of thermostatic expansion valve (TXV) device.

7. All units have sweat suction-tube connection and a liquid-tube connection. For 1-1/8-in. system suction tube, 3/4 x 1-1/8-in. suction tube connection adapter is available as accessory.

8. Before using maximum cfm shown in table, check coil static pressure drop to ensure system blower can provide necessary static pressure needed for coil and duct systems.

9. Bypass Factor = 0 indicates no psychometric solution. Use bypass factor of next lower EWB for approximation.

| BYPASS<br>FACTOR | ENTERING AIR DRY BULB TEMPERATURE (°F) |      |      |      |      |                            |
|------------------|----------------------------------------|------|------|------|------|----------------------------|
|                  | 79                                     | 78   | 77   | 76   | 75   | Under 75                   |
|                  | 81                                     | 82   | 83   | 84   | 84   | Above 85                   |
|                  | Correction Factor                      |      |      |      |      |                            |
| 0.10             | 0.98                                   | 1.96 | 2.94 | 3.92 | 4.91 | Use formula<br>shown below |
| 0.20             | 0.87                                   | 1.74 | 2.62 | 3.49 | 4.36 |                            |
| 0.30             | 0.76                                   | 1.53 | 2.29 | 3.05 | 3.82 |                            |

Interpolation is permissible.

$$\text{Correction Factor} = 1.09 \times (1 - \text{BF}) \times (\text{db} - 80)$$