



# END4X, ENW4X, ENA4X

## Product Specifications

### VERTICAL EVAPORATOR COILS

#### ALL N COIL MODELS

- 1½ thru 5 Tons
- Available for environmentally sound R-410A systems
- Bolt-on TXV metering device factory installed on all models (equalizer tube brazed in)
- Two condensate drain connections
- Aluminum hairpin/return-bend/fin “N” coil with the latest high-tech fin design

#### CASED N COILS

- Removable front access panel
- Hemmed flanges for safer handling
- Foil faced insulation
- Non-sweat cabinet, even at extreme conditions
- Cabinets meet or exceed 2% air leakage codes
- Sturdy, pre-painted steel cabinet

#### END4X

- Upflow or downflow installation
- Compact design, shorter than comparable A-coils
- Cabinet widths match flush with ICP 14-3/16”, 17-1/2”, 21” and 24-1/2” gas furnace cabinets (field fabricated transitions required to match other ICP furnace models)

#### ENW4X

- Upflow or downflow installation
- Drainpan raised 2” (51mm) and block-off plate factory installed — for installing wider coil on narrower furnace

#### UNCASED N COILS

#### ENA4X

- Upflow or downflow installation

### WARRANTY\*

- 5 year parts limited warranty
  - With timely registration, an additional 5 year parts limited warranty

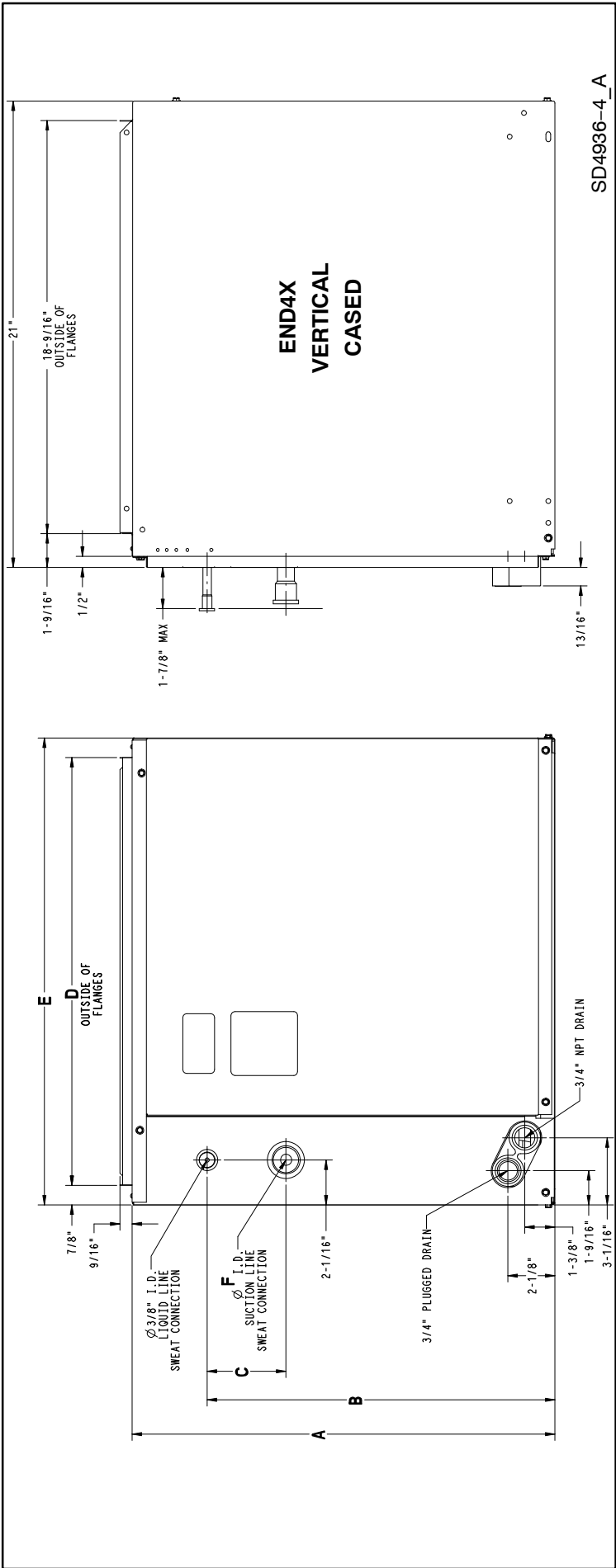
\* Applies to original purchaser/homeowner, some limitations may apply. See Warranty certificate for complete details.



Use of the AHRI Certified TM Mark indicates a manufacturer's participation in the program. For verification of certification for individual products, go to [www.ahridirectory.org](http://www.ahridirectory.org).



| COIL MODEL NUMBER IDENTIFICATION GUIDE               |   |                  |   |                 |   |     |   |      |    |    |
|------------------------------------------------------|---|------------------|---|-----------------|---|-----|---|------|----|----|
| Digit Position                                       | 1 | 2                | 3 | 4               | 5 | 6,7 | 8 | 9,10 | 11 | 12 |
|                                                      | E | N                | D | 4               | X | 18  | L | 14   | A  | 1  |
| E = Evaporator                                       |   | TYPE             |   |                 |   |     |   |      |    |    |
| B = Builder                                          |   |                  |   |                 |   |     |   |      |    |    |
| D = Standard                                         |   |                  |   |                 |   |     |   |      |    |    |
| N = N Coil                                           |   |                  |   |                 |   |     |   |      |    |    |
| A = Uncased                                          |   |                  |   |                 |   |     |   |      |    |    |
| D = Cased Upflow/Downflow                            |   | INSTALLATION     |   |                 |   |     |   |      |    |    |
| M = Cased Multiposition (Upflow/Downflow/Horizontal) |   |                  |   |                 |   |     |   |      |    |    |
| W = Cased Upflow/Downflow for narrower furnaces      |   |                  |   |                 |   |     |   |      |    |    |
| H = Cased Horizontal                                 |   |                  |   |                 |   |     |   |      |    |    |
|                                                      |   |                  |   |                 |   |     |   |      |    |    |
| 4 = Environmentally Sound R-410A                     |   | REFRIGERANT      |   | METERING DEVICE |   |     |   |      |    |    |
| P = Piston                                           |   |                  |   |                 |   |     |   |      |    |    |
| X = TXV                                              |   |                  |   |                 |   |     |   |      |    |    |
| 18 = 18,000 BTUH = 1½ tons                           |   |                  |   |                 |   |     |   |      |    |    |
| 19 = 18,000 BTUH = 1½ tons                           |   |                  |   |                 |   |     |   |      |    |    |
| 24 = 24,000 BTUH = 2 tons                            |   | NOMINAL CAPACITY |   |                 |   |     |   |      |    |    |
| 30 = 30,000 BTUH = 2½ tons                           |   |                  |   |                 |   |     |   |      |    |    |
| 31 = 30,000 BTUH = 2½ tons                           |   |                  |   |                 |   |     |   |      |    |    |
| 36 = 36,000 BTUH = 3 tons                            |   |                  |   |                 |   |     |   |      |    |    |
| 37 = 36,000 BTUH = 3 tons                            |   |                  |   |                 |   |     |   |      |    |    |
| 42 = 42,000 BTUH = 3½ tons                           |   |                  |   |                 |   |     |   |      |    |    |
| 43 = 42,000 BTUH = 3½ tons                           |   |                  |   |                 |   |     |   |      |    |    |
| 48 = 48,000 BTUH = 4 tons                            |   |                  |   |                 |   |     |   |      |    |    |
| 60 = 60,000 BTUH = 5 tons                            |   |                  |   |                 |   |     |   |      |    |    |
| 61 = 60,000 BTUH = 5 tons                            |   |                  |   |                 |   |     |   |      |    |    |
| L = Aluminum                                         |   | HAIRPIN MATERIAL |   | WIDTH           |   |     |   |      |    |    |
| 14 = 14-3/16"                                        |   |                  |   |                 |   |     |   |      |    |    |
| 17 = 17-1/2"                                         |   |                  |   |                 |   |     |   |      |    |    |
| 21 = 21"                                             |   |                  |   |                 |   |     |   |      |    |    |
| 24 = 24-1/2"                                         |   |                  |   |                 |   |     |   |      |    |    |
| Sales Digit (Major Revision)                         |   |                  |   |                 |   |     |   |      |    |    |
| Engineering Digit (Minor Revision)                   |   |                  |   |                 |   |     |   |      |    |    |

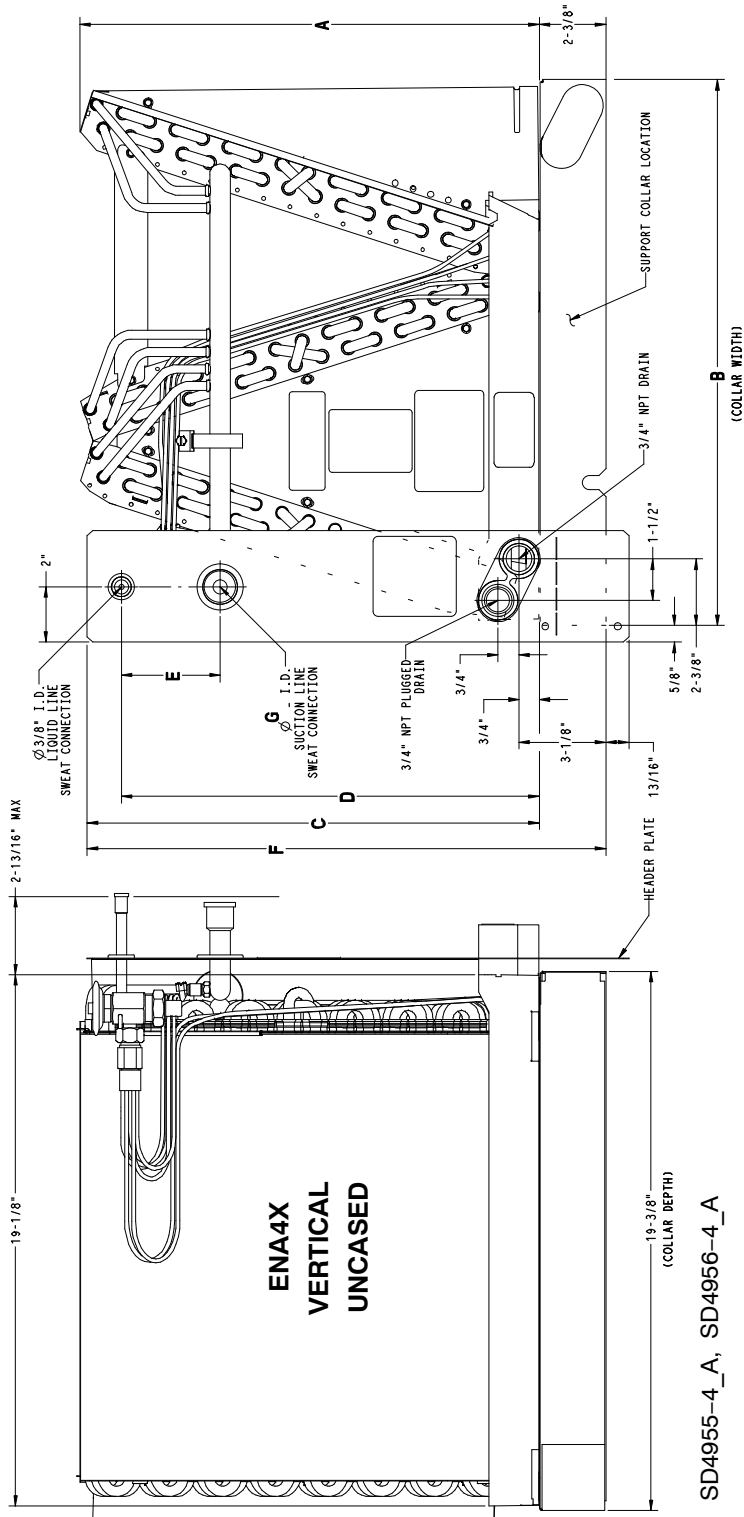


SD4936-4\_A

DIMENSIONAL DATA — END4X

| Model      | Size (tons) | Inches – English (MM – SI Metric) |                |              |              |               |          | Shipping Weight<br>lbs (kg) |
|------------|-------------|-----------------------------------|----------------|--------------|--------------|---------------|----------|-----------------------------|
|            |             | A                                 | B              | C            | D            | E             | F        |                             |
| END4X18L14 | 1-1/2       | 12-5/8 (321)                      | 10-1/16 (256)  | 5-5/16 (135) | 12-1/2 (318) | 14-3/16 (360) | 5/8 (16) | 36 (16)                     |
| END4X19L17 | 1-1/2       | 17 (432)                          | 13-7/8 (352)   | 3-9/16 (91)  | 15-3/4 (400) | 17-1/2 (445)  | 3/4 (19) | 35 (16)                     |
| END4X24L14 | 2           | 14-5/8 (372)                      | 12-1/16 (306)  | 5-5/16 (135) | 12-1/2 (318) | 14-3/16 (360) | 5/8 (16) | 40 (18)                     |
| END4X24L17 | 2           | 14-5/8 (372)                      | 10-1/16 (256)  | 3-9/16 (91)  | 15-3/4 (400) | 17-1/2 (445)  | 5/8 (16) | 40 (18)                     |
| END4X30L14 | 2-1/2       | 17 (432)                          | 13-5/8 (346)   | 5-5/16 (135) | 12-1/2 (318) | 14-3/16 (360) | 3/4 (19) | 47 (21)                     |
| END4X30L17 | 2-1/2       | 17 (432)                          | 13-7/8 (352)   | 3-9/16 (91)  | 15-3/4 (400) | 17-1/2 (445)  | 3/4 (19) | 47 (21)                     |
| END4X31L17 | 2-1/2       | 23-1/4 (591)                      | 17-1/2 (445)   | 3-9/16 (91)  | 15-3/4 (400) | 17-1/2 (445)  | 3/4 (19) | 46 (21)                     |
| END4X36L17 | 3           | 17 (432)                          | 13-7/8 (352)   | 3-9/16 (91)  | 15-3/4 (400) | 17-1/2 (445)  | 3/4 (19) | 49 (22)                     |
| END4X36L21 | 3           | 17 (432)                          | 13-9/16 (345)  | 3-9/16 (91)  | 19-1/4 (489) | 21 (533)      | 3/4 (19) | 48 (22)                     |
| END4X37L17 | 3           | 27-3/16 (691)                     | 17-1/2 (445)   | 3-9/16 (91)  | 15-3/4 (400) | 17-1/2 (445)  | 7/8 (22) | 45 (21)                     |
| END4X42L17 | 3-1/2       | 21-1/8 (537)                      | 13-7/8 (352)   | 3-9/16 (91)  | 15-3/4 (400) | 17-1/2 (445)  | 7/8 (22) | 52 (24)                     |
| END4X42L21 | 3-1/2       | 19 (483)                          | 15-5/8 (397)   | 3-9/16 (91)  | 19-1/4 (489) | 21 (533)      | 7/8 (22) | 57 (26)                     |
| END4X43L24 | 3-1/2       | 26-5/16 (669)                     | 17-15/16 (456) | 3-9/16 (91)  | 22-3/4 (578) | 24-1/2 (622)  | 7/8 (22) | 58 (26)                     |
| END4X48L21 | 4           | 22-1/16 (560)                     | 17-1/2 (445)   | 3-9/16 (91)  | 19-1/4 (489) | 21 (533)      | 7/8 (22) | 66 (30)                     |
| END4X48L24 | 4           | 22-1/16 (560)                     | 17-1/4 (438)   | 3-9/16 (91)  | 22-3/4 (578) | 24-1/2 (622)  | 7/8 (22) | 62 (28)                     |
| END4X60L24 | 5           | 26-7/8 (683)                      | 17-15/16 (456) | 3-9/16 (91)  | 22-3/4 (578) | 24-1/2 (622)  | 7/8 (22) | 78 (35)                     |
| END4X61L24 | 5           | 32-7/16 (824)                     | 17-15/16 (456) | 3-9/16 (91)  | 22-3/4 (578) | 24-1/2 (622)  | 7/8 (22) | 84 (38)                     |

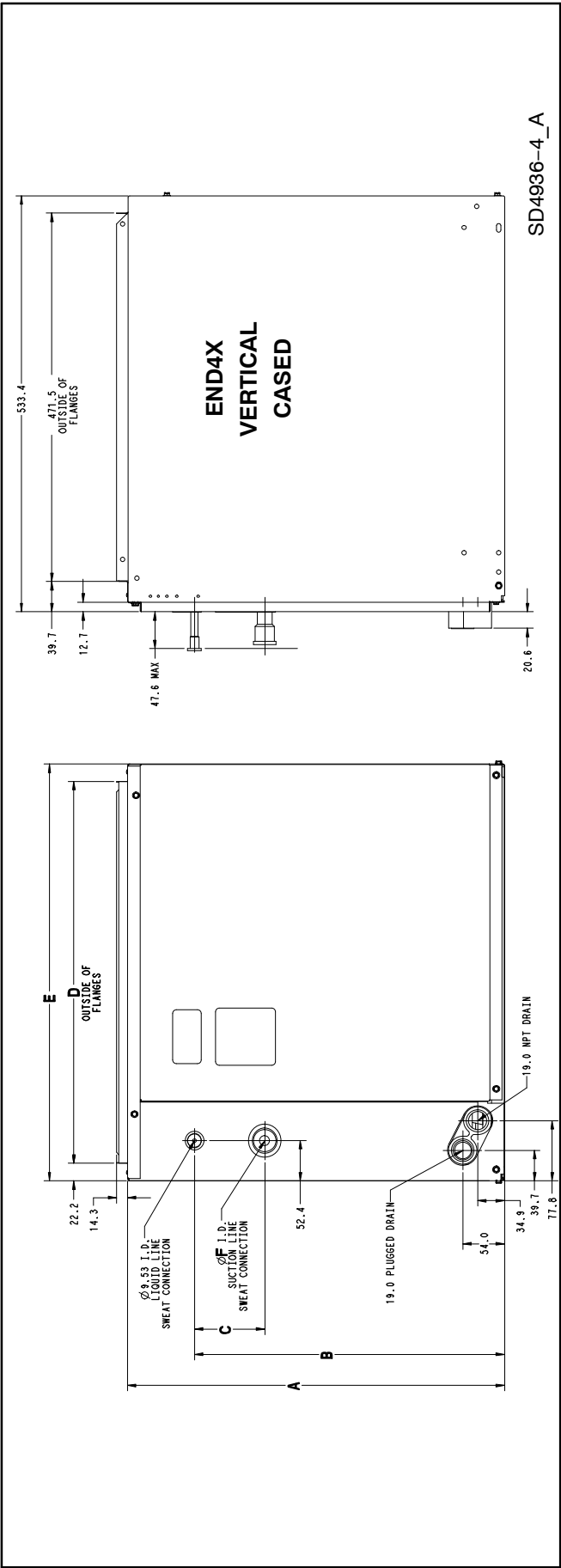
| DIMENSIONAL DATA — ENW4X |             |                                   |               |              |              |          |                          |
|--------------------------|-------------|-----------------------------------|---------------|--------------|--------------|----------|--------------------------|
| Model                    | Size (tons) | Inches – English (MM – SI Metric) |               |              |              |          | Shipping Weight lbs (kg) |
|                          |             | A                                 | B             | C            | D            | E        |                          |
| ENW4X36L17               | 3           | 19–13/16 (503)                    | 16–1/8 (410)  | 15–3/4 (400) | 17–1/2 (445) | 3/4 (19) | 49 (22)                  |
| ENW4X42L21               | 3–1/2       | 21–13/16 (554)                    | 17–7/8 (454)  | 19–1/4 (489) | 21 (533)     | 7/8 (22) | 62 (28)                  |
| ENW4X48L21               | 4           | 24–7/8 (632)                      | 19–3/4 (502)  | 19–1/4 (489) | 21 (533)     | 7/8 (22) | 71 (32)                  |
| ENW4X60L24               | 5           | 29–1/8 (740)                      | 20–3/16 (513) | 22–3/4 (578) | 24–1/2 (622) | 7/8 (22) | 78 (35)                  |



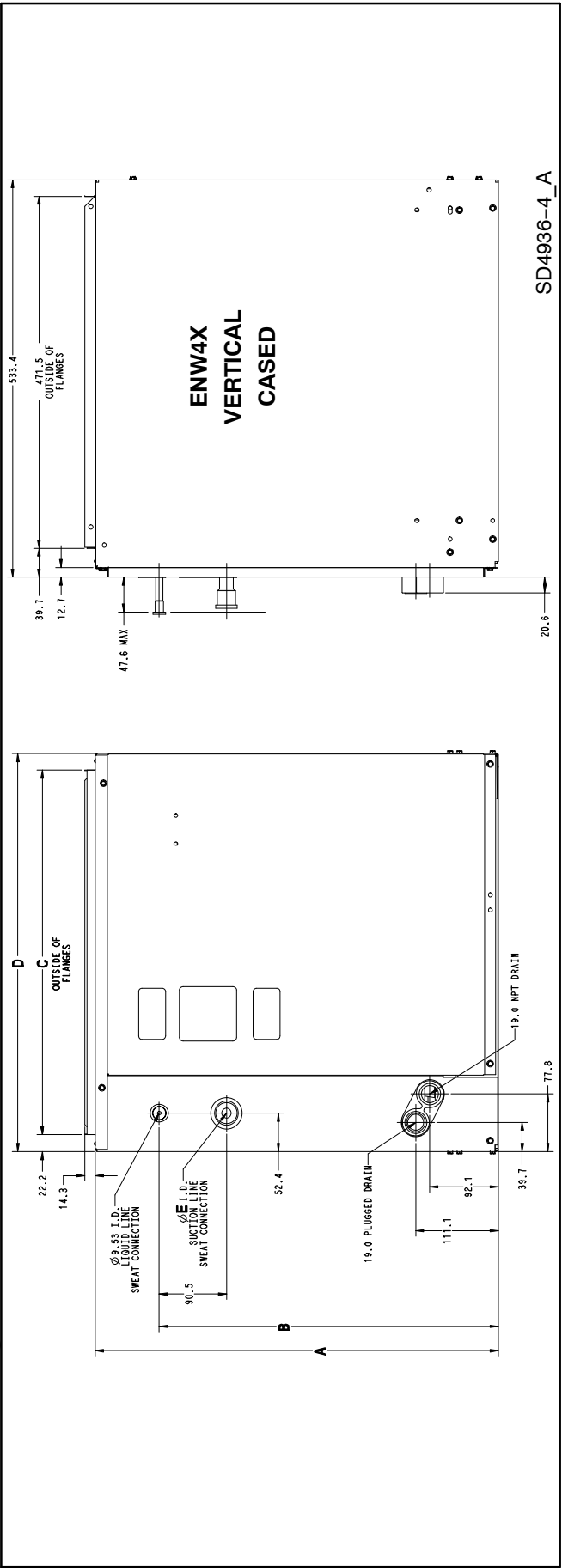
DIMENSIONAL DATA — ENA4X

| Model      | Size<br>(tons) | Inches – English (MM – SI Metric) |                     |               |                |              |                |          |                    | Shipping<br>Weight lbs<br>(kg) |
|------------|----------------|-----------------------------------|---------------------|---------------|----------------|--------------|----------------|----------|--------------------|--------------------------------|
|            |                | A                                 | B<br>(Collar Width) | C             | D              | E            | F              | G        |                    |                                |
| ENA4X18L14 | 1-1/2          | 10-7/8 (276)                      | 12-7/8 (327)        | 10-5/8 (270)  | 9-3/8 (238)    | 5-5/16 (135) | 13 (330)       | 5/8 (16) | Aluminum<br>17 (8) |                                |
| ENA4X19L17 | 1-1/2          | 14-11/16 (373)                    | 16-1/4 (413)        | 14-1/2 (369)  | 13-1/4 (337)   | 3-9/16 (91)  | 16-15/16 (429) | 3/4 (19) | 25 (11)            |                                |
| ENA4X24L14 | 2              | 12-7/8 (327)                      | 12-7/8 (327)        | 12-5/8 (321)  | 11-7/16 (291)  | 5-5/16 (135) | 15 (381)       | 5/8 (16) | 21 (10)            |                                |
| ENA4X24L17 | 2              | 12-11/16 (322)                    | 16-1/4 (413)        | 10-5/8 (270)  | 9-3/8 (238)    | 3-9/16 (91)  | 13 (330)       | 5/8 (16) | 22 (10)            |                                |
| ENA4X30L14 | 2-1/2          | 14-7/8 (378)                      | 12-7/8 (327)        | 14-3/16 (360) | 13 (330)       | 5-5/16 (135) | 16-9/16 (421)  | 3/4 (19) | 23 (10)            |                                |
| ENA4X30L17 | 2-1/2          | 14-11/16 (373)                    | 16-1/4 (413)        | 14-7/16 (367) | 13-1/4 (337)   | 3-9/16 (91)  | 16-13/16 (427) | 3/4 (19) | 24 (11)            |                                |
| ENA4X31L17 | 2-1/2          | 20-3/4 (527)                      | 16-1/4 (413)        | 18-1/16 (459) | 16-13/16 (427) | 3-9/16 (91)  | 20-7/16 (519)  | 3/4 (19) | 31 (14)            |                                |
| ENA4X36L17 | 3              | 14-11/16 (373)                    | 16-1/4 (413)        | 14-7/16 (367) | 13-1/4 (337)   | 3-9/16 (91)  | 16-13/16 (427) | 3/4 (19) | 26 (12)            |                                |
| ENA4X36L21 | 3              | 14-7/16 (367)                     | 19-5/8 (499)        | 14-7/16 (367) | 12-15/16 (329) | 3-9/16 (91)  | 16-5/8 (422)   | 3/4 (19) | 27 (12)            |                                |
| ENA4X36L17 | 3              | 24-3/4 (629)                      | 16-1/4 (413)        | 18-1/16 (459) | 16-13/16 (427) | 3-9/16 (91)  | 20-7/16 (519)  | 7/8 (22) | 33 (14)            |                                |
| ENA4X42L21 | 3-1/2          | 16-1/2 (419)                      | 19-5/8 (499)        | 16-3/16 (411) | 15 (381)       | 3-9/16 (91)  | 18-9/16 (472)  | 7/8 (22) | 29 (13)            |                                |
| ENA4X43L24 | 3-1/2          | 24-3/8 (619)                      | 23-1/8 (587)        | 18-9/16 (472) | 17-5/16 (440)  | 3-9/16 (91)  | 20-15/16 (532) | 7/8 (22) | 36 (16)            |                                |
| ENA4X48L21 | 4              | 20-9/16 (522)                     | 19-5/8 (499)        | 18-1/16 (459) | 16-7/8 (429)   | 3-9/16 (91)  | 20-7/16 (519)  | 7/8 (22) | 33 (15)            |                                |
| ENA4X48L24 | 4              | 20-5/16 (516)                     | 23-1/8 (587)        | 17-7/8 (454)  | 16-5/8 (422)   | 3-9/16 (91)  | 20-1/4 (514)   | 7/8 (22) | 34 (15)            |                                |
| ENA4X60L24 | 5              | 24-3/8 (619)                      | 23-1/8 (587)        | 18-1/2 (470)  | 17-5/16 (440)  | 3-9/16 (91)  | 20-7/8 (530)   | 7/8 (22) | 35 (16)            |                                |
| ENA4X61L24 | 5              | 30-1/2 (774)                      | 23-1/8 (587)        | 18-9/16 (472) | 17-5/16 (440)  | 3-9/16 (91)  | 20-15/16 (532) | 7/8 (22) | 40 (18)            |                                |

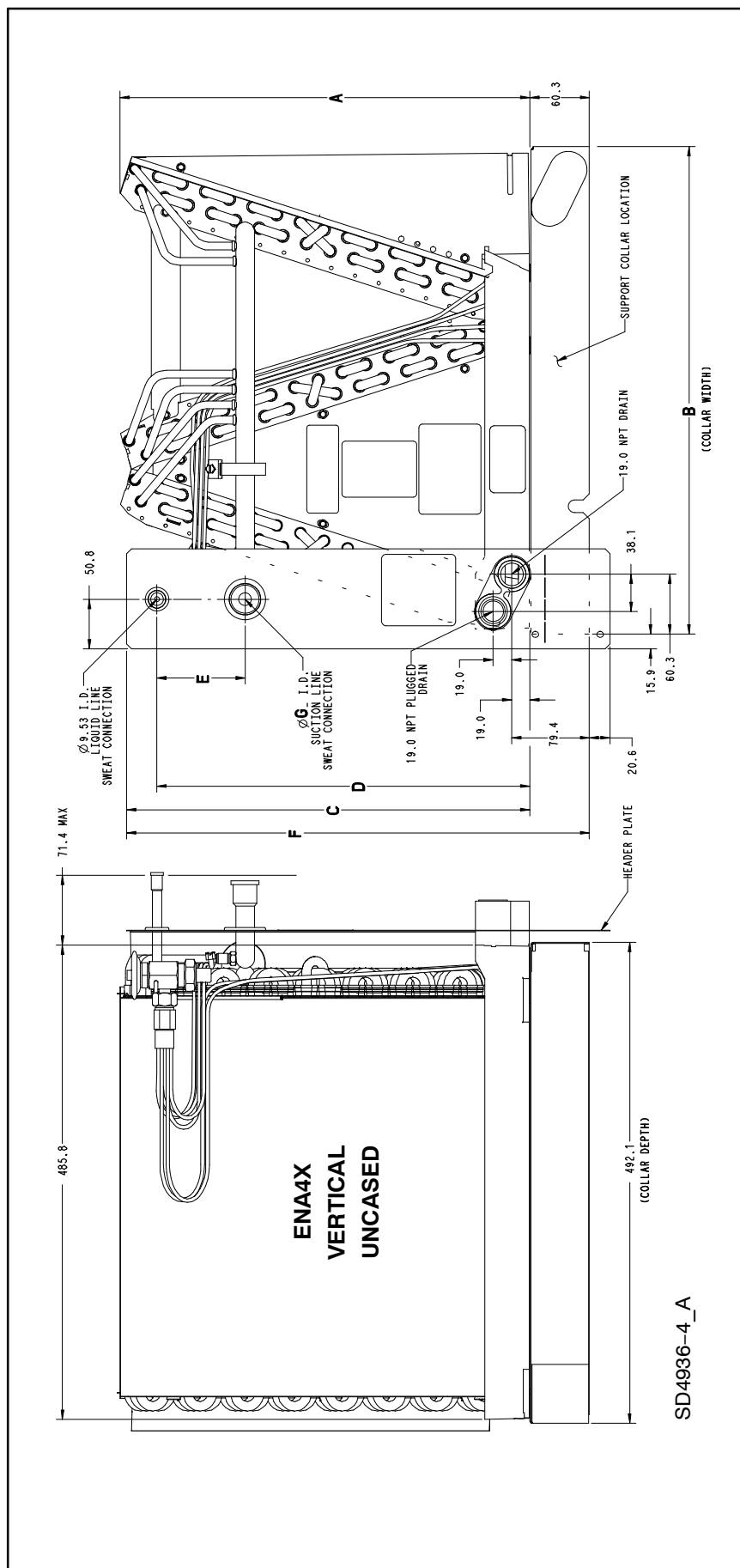
SI Metric Drawing – END4X



SI Metric Drawing – ENW4X



SI Metric Drawing – ENA4X



| PHYSICAL DATA                                                                      |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |  |
|------------------------------------------------------------------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|--|
| END4X                                                                              | Model Size             |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |  |
|                                                                                    | 18L14                  | 19L17                  | 24L(14,17)             | 30L(14,17)             | 31L17                  | 36L(17,21)             | 37L17                  | 42L(17,21)             | 43L24                  | 48L(21,24)             | 60L24                  | 61L24                  |  |
| Nominal Acceptable CFM Range                                                       |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |  |
| CFM (L/s) – min                                                                    | 525 (248)              |                        | 700 (330)              | 875 (413)              |                        | 1050 (496)             |                        | 1225 (578)             |                        | 1400 (661)             | 1750 (826)             |                        |  |
| CFM (L/s) – max                                                                    | 625 (295)              |                        | 900 (425)              | 1125 (531)             |                        | 1350 (637)             |                        | 1600 (755)             |                        | 1800 (849)             | 2000 (944)             |                        |  |
| Coil Data (all coils 2 slab “A” configuration, lanced sine wave bare aluminum fin) |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |  |
| Face Area ft² (m²)                                                                 | 3.34 (0.31)            | 4.68 (0.43)            | 4.01 (0.37)            | 4.68 (0.43)            | 6.68 (0.62)            | 4.68 (0.43)            | 8.02 (0.75)            | 5.35 (0.50)            | 8.02 (0.75)            | 6.68 (0.62)            | 8.02 (0.75)            | 10.03 (0.93)           |  |
| Each Slab<br>H x L in. (mm)                                                        | 10 x 16<br>(254 x 406) | 14 x 16<br>(355 x 406) | 12 x 16<br>(305 x 406) | 12 x 16<br>(305 x 406) | 20 x 16<br>(508 x 406) | 14 x 16<br>(355 x 406) | 24 x 16<br>(610 x 406) | 16 x 16<br>(406 x 406) | 24 x 16<br>(610 x 406) | 20 x 16<br>(508 x 406) | 24 x 16<br>(610 x 406) | 30 x 16<br>(762 x 406) |  |
| Fins Per Inch                                                                      | 17                     | 16                     | 16                     | 16                     | 16                     | 16                     | 17                     | 16                     | 17                     | 16                     | 16                     | 17                     |  |
| Refrigerant Line Connections (sweat)                                               |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |  |
| Liquid in. (mm)                                                                    | 3/8 (10)               | 3/8 (10)               | 3/8 (10)               | 3/8 (10)               | 3/8 (10)               | 3/8 (10)               | 3/8 (10)               | 3/8 (10)               | 3/8 (10)               | 3/8 (10)               | 3/8 (10)               | 3/8 (10)               |  |
| Suction in. (mm)                                                                   | 5/8 (16)               | 3/4 (19)               | 3/4 (19)               | 3/4 (19)               | 7/8 (22)               | 3/4 (19)               | 7/8 (22)               | 7/8 (22)               | 7/8 (22)               | 7/8 (22)               | 7/8 (22)               | 7/8 (22)               |  |
| PHYSICAL DATA                                                                      |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |  |
| ENW4X                                                                              | Model Size             |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |  |
|                                                                                    | 36L17                  | 42L21                  | 48L21                  | 60L24                  |                        |                        |                        |                        |                        |                        |                        |                        |  |
| Nominal Acceptable CFM Range                                                       |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |  |
| CFM (L/s) – min                                                                    | 1050 (496)             |                        | 1225 (578)             |                        |                        |                        |                        | 1400 (661)             |                        |                        | 1750 (826)             |                        |  |
| CFM (L/s) – max                                                                    | 1350 (637)             |                        | 1600 (755)             |                        |                        |                        |                        | 1800 (849)             |                        |                        | 2000 (944)             |                        |  |
| Coil Data (all coils 2 slab “A” configuration, lanced sine wave bare aluminum fin) |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |  |
| Face Area ft² (m²)                                                                 | 4.68 (0.43)            |                        | 5.35 (0.50)            |                        |                        |                        |                        | 6.68 (0.62)            |                        |                        | 8.02 (0.75)            |                        |  |
| Each Slab<br>H x L in. (mm)                                                        | 14 x 16<br>(355 x 406) |                        | 16 x 16<br>(406 x 406) |                        |                        |                        |                        | 20 x 16<br>(508 x 406) |                        |                        | 24 x 16<br>(610 x 406) |                        |  |
| Fins Per Inch                                                                      | 16                     |                        | 16                     |                        |                        |                        |                        | 16                     |                        |                        | 17                     |                        |  |
| Refrigerant Line Connections (sweat)                                               |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |  |
| Liquid in. (mm)                                                                    | 3/8 (10)               |                        | 3/8 (10)               |                        |                        |                        |                        | 3/8 (10)               |                        |                        | 3/8 (10)               |                        |  |
| Suction in. (mm)                                                                   | 3/4 (19)               |                        | 7/8 (22)               |                        |                        |                        |                        | 7/8 (22)               |                        |                        | 7/8 (22)               |                        |  |
| PHYSICAL DATA                                                                      |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |  |
| ENA4X                                                                              | Model Size             |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |  |
|                                                                                    | 18L14                  | 19L17                  | 24L(14,17)             | 30L(14,17)             | 31L17                  | 36L(17,21)             | 37L17                  | 42L21                  | 43L24                  | 48L(21,24)             | 60L24                  | 61L24                  |  |
| Nominal Acceptable CFM Range                                                       |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |  |
| CFM (L/s) – min                                                                    | 525 (248)              |                        | 700 (330)              | 875 (413)              |                        | 1050 (496)             |                        | 1225 (578)             |                        | 1400 (661)             | 1750 (826)             |                        |  |
| CFM (L/s) – max                                                                    | 625 (295)              |                        | 900 (425)              | 1125 (531)             |                        | 1350 (637)             |                        | 1600 (755)             |                        | 1800 (849)             | 2000 (944)             |                        |  |
| Coil Data (all coils 2 slab “A” configuration, lanced sine wave bare aluminum fin) |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |  |
| Face Area ft² (m²)                                                                 | 3.34 (0.31)            | 4.68 (0.43)            | 4.01 (0.37)            | 4.68 (0.43)            | 6.68 (0.62)            | 4.68 (0.43)            | 8.02 (0.75)            | 5.35 (0.50)            | 8.02 (0.75)            | 6.68 (0.62)            | 8.02 (0.75)            | 10.03 (0.93)           |  |
| Each Slab<br>H x L in. (mm)                                                        | 10 x 16<br>(254 x 406) | 14 x 16<br>(355 x 406) | 12 x 16<br>(305 x 406) | 12 x 16<br>(305 x 406) | 14 x 16<br>(355 x 406) | 14 x 16<br>(355 x 406) | 24 x 16<br>(610 x 406) | 16 x 16<br>(406 x 406) | 24 x 16<br>(610 x 406) | 20 x 16<br>(508 x 406) | 24 x 16<br>(610 x 406) | 30 x 16<br>(762 x 406) |  |
| Fins Per Inch                                                                      | 17                     | 16                     | 16                     | 16                     | 16                     | 16                     | 17                     | 16                     | 17                     | 16                     | 16                     | 17                     |  |
| Refrigerant Line Connections (sweat)                                               |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |                        |  |
| Liquid in. (mm)                                                                    | 3/8 (10)               | 3/8 (10)               | 3/8 (10)               | 3/8 (10)               | 3/8 (10)               | 3/8 (10)               | 3/8 (10)               | 3/8 (10)               | 3/8 (10)               | 3/8 (10)               | 3/8 (10)               | 3/8 (10)               |  |
| Suction in. (mm)                                                                   | 5/8 (16)               | 3/4 (19)               | 3/4 (19)               | 3/4 (19)               | 7/8 (22)               | 3/4 (19)               | 7/8 (22)               | 7/8 (22)               | 7/8 (22)               | 7/8 (22)               | 7/8 (22)               | 7/8 (22)               |  |

### Vertical Evaporator Coils: END4X, ENW4X, ENA4X

9

| COOLING CAPACITIES (MBH) |             |         |                                                  |       |      |        |       |      |        |       |      |        |       |      |         |       |      |
|--------------------------|-------------|---------|--------------------------------------------------|-------|------|--------|-------|------|--------|-------|------|--------|-------|------|---------|-------|------|
| UNIT<br>SIZE             | INDOOR COIL |         | SATURATED TEMPERATURE LEAVING EVAPORATOR °F (°C) |       |      |        |       |      |        |       |      |        |       |      |         |       |      |
|                          | AIR         |         | 30 (-1)                                          |       |      | 35 (2) |       |      | 40 (4) |       |      | 45 (7) |       |      | 50 (10) |       |      |
|                          | CFM         | EWB     | TC                                               | SHC   | BF   | TC     | SHC   | BF   | TC     | SHC   | BF   | TC     | SHC   | BF   | TC      | SHC   | BF   |
| 18                       | 450         | 72 (22) | 31.00                                            | 15.20 | 0.00 | 28.60  | 13.90 | 0.00 | 25.80  | 12.50 | 0.00 | 22.80  | 11.10 | 0.00 | 19.30   | 9.60  | 0.00 |
|                          |             | 67 (19) | 26.00                                            | 15.70 | 0.00 | 23.50  | 14.30 | 0.01 | 20.70  | 12.80 | 0.01 | 17.60  | 11.30 | 0.01 | 14.10   | 9.80  | 0.01 |
|                          |             | 62 (17) | 21.50                                            | 16.00 | 0.01 | 18.90  | 14.50 | 0.01 | 16.10  | 13.00 | 0.01 | 13.00  | 11.50 | 0.01 | 10.10   | 10.10 | 0.03 |
|                          | 600         | 72 (22) | 38.30                                            | 18.70 | 0.00 | 35.30  | 17.10 | 0.00 | 32.00  | 15.50 | 0.00 | 28.20  | 13.80 | 0.00 | 23.90   | 12.00 | 0.01 |
|                          |             | 67 (19) | 32.30                                            | 19.50 | 0.01 | 29.20  | 17.80 | 0.02 | 25.70  | 16.10 | 0.02 | 21.80  | 14.30 | 0.02 | 17.50   | 12.40 | 0.02 |
|                          |             | 62 (17) | 26.70                                            | 20.10 | 0.02 | 23.50  | 18.40 | 0.02 | 20.00  | 16.60 | 0.02 | 16.20  | 14.80 | 0.02 | 12.90   | 12.90 | 0.06 |
|                          | 750         | 72 (22) | 44.30                                            | 21.50 | 0.00 | 40.90  | 19.90 | 0.00 | 37.00  | 18.10 | 0.00 | 32.70  | 16.10 | 0.02 | 27.70   | 14.00 | 0.02 |
|                          |             | 67 (19) | 37.40                                            | 22.80 | 0.03 | 33.90  | 20.90 | 0.03 | 29.90  | 19.00 | 0.03 | 25.40  | 16.90 | 0.03 | 20.40   | 14.70 | 0.04 |
|                          |             | 62 (17) | 31.10                                            | 23.80 | 0.04 | 27.40  | 21.80 | 0.04 | 23.40  | 19.80 | 0.04 | 19.10  | 17.70 | 0.04 | 15.60   | 15.60 | 0.10 |
| 19                       | 450         | 72 (22) | 43.72                                            | 21.88 | 0.00 | 40.49  | 20.18 | 0.00 | 36.83  | 18.36 | 0.00 | 32.67  | 16.42 | 0.00 | 27.95   | 14.37 | 0.00 |
|                          |             | 67 (19) | 36.66                                            | 22.46 | 0.00 | 33.32  | 20.65 | 0.00 | 29.55  | 18.73 | 0.00 | 25.28  | 16.69 | 0.00 | 20.45   | 14.55 | 0.00 |
|                          |             | 62 (17) | 30.28                                            | 22.93 | 0.01 | 26.83  | 21.02 | 0.01 | 23.00  | 19.03 | 0.01 | 18.79  | 16.98 | 0.01 | 14.88   | 14.88 | 0.04 |
|                          | 600         | 72 (22) | 53.61                                            | 26.56 | 0.00 | 49.70  | 24.60 | 0.00 | 45.23  | 22.48 | 0.00 | 40.13  | 20.19 | 0.01 | 34.31   | 17.72 | 0.01 |
|                          |             | 67 (19) | 45.00                                            | 27.67 | 0.01 | 40.96  | 25.56 | 0.01 | 36.35  | 23.28 | 0.01 | 31.10  | 20.84 | 0.01 | 25.13   | 18.26 | 0.01 |
|                          |             | 62 (17) | 37.22                                            | 28.61 | 0.01 | 33.03  | 26.36 | 0.01 | 28.38  | 24.00 | 0.01 | 23.28  | 21.54 | 0.02 | 19.00   | 19.00 | 0.07 |
|                          | 750         | 72 (22) | 61.74                                            | 30.45 | 0.00 | 57.28  | 28.32 | 0.00 | 52.17  | 25.97 | 0.01 | 46.32  | 23.41 | 0.02 | 39.65   | 20.66 | 0.02 |
|                          |             | 67 (19) | 51.91                                            | 32.14 | 0.02 | 47.30  | 29.82 | 0.02 | 42.02  | 27.29 | 0.02 | 35.98  | 24.55 | 0.02 | 29.10   | 21.62 | 0.02 |
|                          |             | 62 (17) | 42.99                                            | 33.62 | 0.02 | 38.23  | 31.14 | 0.02 | 32.93  | 28.50 | 0.02 | 27.20  | 25.75 | 0.03 | 22.72   | 22.72 | 0.10 |
| 24                       | 600         | 72 (22) | 39.00                                            | 19.00 | 0.00 | 36.00  | 17.50 | 0.00 | 32.70  | 15.90 | 0.00 | 28.80  | 14.10 | 0.00 | 24.60   | 12.30 | 0.01 |
|                          |             | 67 (19) | 32.80                                            | 19.80 | 0.01 | 29.80  | 18.20 | 0.01 | 26.30  | 16.40 | 0.01 | 22.40  | 14.60 | 0.02 | 18.10   | 12.60 | 0.02 |
|                          |             | 62 (17) | 27.20                                            | 20.50 | 0.02 | 24.00  | 18.70 | 0.02 | 20.50  | 16.90 | 0.02 | 16.60  | 15.00 | 0.02 | 13.10   | 13.10 | 0.05 |
|                          | 800         | 72 (22) | 47.10                                            | 22.80 | 0.00 | 43.60  | 21.10 | 0.00 | 39.60  | 19.30 | 0.00 | 35.00  | 17.30 | 0.02 | 29.90   | 15.10 | 0.02 |
|                          |             | 67 (19) | 39.80                                            | 24.20 | 0.03 | 36.10  | 22.30 | 0.03 | 32.00  | 20.30 | 0.03 | 27.30  | 18.10 | 0.03 | 22.00   | 15.90 | 0.03 |
|                          |             | 62 (17) | 33.10                                            | 25.40 | 0.03 | 29.30  | 23.40 | 0.03 | 25.10  | 21.20 | 0.03 | 20.50  | 19.00 | 0.04 | 16.70   | 16.70 | 0.09 |
|                          | 1000        | 72 (22) | 53.40                                            | 25.90 | 0.00 | 49.50  | 24.20 | 0.00 | 45.10  | 22.10 | 0.02 | 40.00  | 19.90 | 0.03 | 34.10   | 17.50 | 0.04 |
|                          |             | 67 (19) | 45.30                                            | 27.90 | 0.05 | 41.20  | 25.90 | 0.05 | 36.60  | 23.70 | 0.05 | 31.30  | 21.30 | 0.05 | 25.20   | 18.70 | 0.05 |
|                          |             | 62 (17) | 37.80                                            | 29.60 | 0.05 | 33.60  | 27.40 | 0.05 | 28.80  | 25.10 | 0.05 | 23.80  | 22.70 | 0.06 | 20.00   | 20.00 | 0.13 |
| 30                       | 750         | 72 (22) | 48.00                                            | 23.50 | 0.00 | 44.00  | 21.40 | 0.00 | 39.70  | 19.20 | 0.00 | 34.80  | 17.00 | 0.00 | 29.40   | 14.60 | 0.01 |
|                          |             | 67 (19) | 40.30                                            | 24.20 | 0.01 | 36.20  | 22.00 | 0.02 | 31.80  | 19.70 | 0.02 | 26.80  | 17.40 | 0.02 | 21.40   | 15.00 | 0.02 |
|                          |             | 62 (17) | 33.20                                            | 24.80 | 0.02 | 29.10  | 22.50 | 0.02 | 24.60  | 20.20 | 0.02 | 19.90  | 17.90 | 0.02 | 15.60   | 15.60 | 0.05 |
|                          | 1000        | 72 (22) | 58.70                                            | 28.50 | 0.00 | 53.90  | 26.10 | 0.00 | 48.50  | 23.60 | 0.00 | 42.50  | 20.90 | 0.02 | 35.80   | 18.10 | 0.03 |
|                          |             | 67 (19) | 49.40                                            | 29.90 | 0.03 | 44.40  | 27.30 | 0.03 | 38.90  | 24.60 | 0.04 | 32.90  | 21.70 | 0.04 | 26.20   | 18.80 | 0.04 |
|                          |             | 62 (17) | 40.80                                            | 30.90 | 0.04 | 35.80  | 28.20 | 0.04 | 30.30  | 25.40 | 0.04 | 24.60  | 22.60 | 0.05 | 19.90   | 19.90 | 0.10 |
|                          | 1250        | 72 (22) | 67.40                                            | 32.70 | 0.00 | 61.90  | 30.10 | 0.00 | 55.70  | 27.30 | 0.02 | 48.80  | 24.20 | 0.04 | 41.10   | 21.00 | 0.05 |
|                          |             | 67 (19) | 56.80                                            | 34.70 | 0.05 | 51.20  | 31.80 | 0.06 | 44.90  | 28.70 | 0.06 | 37.80  | 25.50 | 0.06 | 30.10   | 22.20 | 0.06 |
|                          |             | 62 (17) | 47.10                                            | 36.30 | 0.06 | 41.30  | 33.20 | 0.06 | 35.00  | 30.10 | 0.06 | 28.60  | 27.00 | 0.07 | 23.70   | 23.70 | 0.14 |
| 31                       | 750         | 72 (22) | 74.50                                            | 37.07 | 0.00 | 68.51  | 33.85 | 0.00 | 61.86  | 30.50 | 0.00 | 54.41  | 27.00 | 0.00 | 46.04   | 23.35 | 0.00 |
|                          |             | 67 (19) | 62.13                                            | 37.73 | 0.01 | 56.03  | 34.37 | 0.01 | 49.24  | 30.87 | 0.01 | 41.66  | 27.24 | 0.01 | 32.96   | 23.39 | 0.01 |
|                          |             | 62 (17) | 50.98                                            | 38.20 | 0.01 | 44.75  | 34.72 | 0.01 | 37.95  | 31.17 | 0.01 | 30.17  | 27.36 | 0.01 | 23.70   | 23.70 | 0.06 |
|                          | 1000        | 72 (22) | 92.35                                            | 45.51 | 0.00 | 85.01  | 41.76 | 0.00 | 76.78  | 37.78 | 0.00 | 67.46  | 33.54 | 0.01 | 57.03   | 29.08 | 0.01 |
|                          |             | 67 (19) | 77.15                                            | 46.96 | 0.02 | 69.62  | 42.94 | 0.02 | 61.18  | 38.71 | 0.02 | 51.69  | 34.27 | 0.02 | 41.04   | 29.62 | 0.02 |
|                          |             | 62 (17) | 63.39                                            | 48.06 | 0.02 | 55.66  | 43.85 | 0.02 | 47.21  | 39.53 | 0.02 | 38.21  | 35.15 | 0.02 | 30.59   | 30.59 | 0.08 |
|                          | 1250        | 72 (22) | 107.37                                           | 52.63 | 0.00 | 98.97  | 48.52 | 0.00 | 89.37  | 44.04 | 0.01 | 78.59  | 39.23 | 0.02 | 66.39   | 34.13 | 0.02 |
|                          |             | 67 (19) | 89.89                                            | 54.97 | 0.03 | 81.19  | 50.47 | 0.03 | 71.37  | 45.67 | 0.03 | 60.28  | 40.57 | 0.03 | 47.77   | 35.20 | 0.03 |
|                          |             | 62 (17) | 73.97                                            | 56.83 | 0.03 | 64.99  | 52.05 | 0.03 | 55.22  | 47.14 | 0.03 | 44.93  | 42.16 | 0.04 | 36.94   | 36.94 | 0.11 |
| 36                       | 900         | 72 (22) | 58.10                                            | 28.30 | 0.00 | 53.40  | 25.90 | 0.00 | 48.00  | 23.30 | 0.00 | 42.10  | 20.60 | 0.01 | 35.50   | 17.80 | 0.02 |
|                          |             | 67 (19) | 48.90                                            | 29.50 | 0.02 | 44.00  | 26.90 | 0.03 | 38.50  | 24.20 | 0.03 | 32.50  | 21.30 | 0.03 | 25.90   | 18.40 | 0.03 |
|                          |             | 62 (17) | 40.40                                            | 30.40 | 0.03 | 35.40  | 27.70 | 0.03 | 29.90  | 24.90 | 0.03 | 24.20  | 22.10 | 0.04 | 19.40   | 19.40 | 0.08 |
|                          | 1200        | 72 (22) | 70.00                                            | 33.90 | 0.00 | 64.30  | 31.20 | 0.00 | 57.80  | 28.30 | 0.02 | 50.70  | 25.10 | 0.04 | 42.70   | 21.80 | 0.05 |
|                          |             | 67 (19) | 58.90                                            | 35.90 | 0.05 | 53.10  | 32.90 | 0.05 | 46.50  | 29.70 | 0.05 | 39.30  | 26.40 | 0.06 | 31.20   | 22.90 | 0.06 |
|                          |             | 62 (17) | 48.80                                            | 37.50 | 0.06 | 42.80  | 34.30 | 0.06 | 36.30  | 31.00 | 0.06 | 29.60  | 27.80 | 0.06 | 24.40   | 24.40 | 0.13 |
|                          | 1500        | 72 (22) | 79.30                                            | 38.60 | 0.00 | 72.90  | 35.60 | 0.02 | 65.70  | 32.30 | 0.05 | 57.50  | 28.80 | 0.06 | 48.50   | 25.10 | 0.07 |
|                          |             | 67 (19) | 67.00                                            | 41.30 | 0.08 | 60.40  | 38.00 | 0.08 | 53.00  | 34.40 | 0.08 | 44.70  | 30.70 | 0.08 | 35.50   | 26.80 | 0.09 |
|                          |             | 62 (17) | 55.70                                            | 43.60 | 0.09 | 48.80  | 40.00 | 0.09 | 41.60  | 36.50 | 0.09 | 34.20  | 32.90 | 0.10 | 28.80   | 28.80 | 0.18 |
| 37                       | 900         | 72 (22) | 86.45                                            | 42.79 | 0.00 | 79.79  | 39.28 | 0.00 | 72.26  | 35.55 | 0.00 | 63.72  | 31.59 | 0.00 | 54.22   | 27.47 | 0.00 |
|                          |             | 67 (19) | 72.26                                            | 43.90 | 0.01 | 65.40  | 40.18 | 0.01 | 57.69  | 36.26 | 0.01 | 49.03  | 32.14 | 0.01 | 39.27   | 27.83 | 0.01 |
|                          |             | 62 (17) | 59.44                                            | 44.77 | 0.01 | 52.40  | 40.88 | 0.01 | 44.62  | 36.85 | 0.01 | 36.17  | 32.73 | 0.01 | 28.45   | 28.45 | 0.06 |
|                          | 1200        | 72 (22) | 106.02                                           | 52.03 | 0.00 | 97.94  | 48.01 | 0.00 | 88.72  | 43.65 | 0.00 | 78.38  | 39.00 | 0.01 | 66.68   | 34.06 | 0.01 |
|                          |             | 67 (19) | 88.80                                            | 54.21 | 0.02 | 80.47  | 49.85 | 0.02 | 71.05  | 45.21 | 0.02 | 60.40  | 40.28 | 0.02 | 48.31   | 35.05 | 0.02 |
|                          |             | 62 (17) | 73.18                                            | 55.98 | 0.02 | 64.58  | 51.37 | 0.02 | 55.14  | 46.59 | 0.02 | 44.93  | 41.66 | 0.02 | 36.59   | 36.59 | 0.08 |
|                          | 1500        | 72 (22) | 122.09                                           | 59.72 | 0.00 | 112.86 | 55.34 | 0.00 | 102.29 | 50.48 | 0.02 | 90.55  | 45.34 | 0.02 | 77.08   | 39.79 | 0.03 |
|                          |             | 67 (19) | 102.46                                           | 63.03 | 0.03 | 92.95  | 58.22 | 0.03 | 82.20  | 53.07 | 0.03 | 69.94  | 47.52 | 0.03 | 55.95   | 41.57 | 0.03 |
|                          |             | 62 (17) | 84.62                                            | 65.86 | 0.03 | 74.82  | 60.74 | 0.03 | 64.08  | 55.41 | 0.03 | 52.61  | 49.87 | 0.04 | 43.79   | 43.79 | 0.12 |

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Legend:

CFM – Cub

| COOLING CAPACITIES (MBH) (cont) |                 |         |                                                  |        |      |        |       |      |        |       |      |        |       |      |         |       |      |
|---------------------------------|-----------------|---------|--------------------------------------------------|--------|------|--------|-------|------|--------|-------|------|--------|-------|------|---------|-------|------|
| UNIT SIZE                       | INDOOR COIL AIR |         | SATURATED TEMPERATURE LEAVING EVAPORATOR °F (°C) |        |      |        |       |      |        |       |      |        |       |      |         |       |      |
|                                 |                 |         | 30 (-1)                                          |        |      | 35 (2) |       |      | 40 (4) |       |      | 45 (7) |       |      | 50 (10) |       |      |
|                                 | CFM             | EWB     | TC                                               | SHC    | BF   | TC     | SHC   | BF   | TC     | SHC   | BF   | TC     | SHC   | BF   | TC      | SHC   | BF   |
| 42                              | 1050            | 72 (22) | 74.40                                            | 36.30  | 0.00 | 68.10  | 33.10 | 0.00 | 61.20  | 29.70 | 0.00 | 53.50  | 26.20 | 0.01 | 45.00   | 22.60 | 0.02 |
|                                 |                 | 67 (19) | 62.30                                            | 37.60  | 0.02 | 56.00  | 34.20 | 0.03 | 48.90  | 30.60 | 0.03 | 41.20  | 27.00 | 0.03 | 32.80   | 23.30 | 0.03 |
|                                 |                 | 62 (17) | 51.40                                            | 38.60  | 0.03 | 44.90  | 35.00 | 0.03 | 37.90  | 31.40 | 0.03 | 30.60  | 27.80 | 0.04 | 24.40   | 24.40 | 0.08 |
|                                 | 1400            | 72 (22) | 90.20                                            | 43.80  | 0.00 | 82.60  | 40.10 | 0.00 | 74.10  | 36.20 | 0.01 | 64.70  | 32.00 | 0.04 | 54.40   | 27.60 | 0.05 |
|                                 |                 | 67 (19) | 75.80                                            | 46.00  | 0.05 | 68.00  | 42.00 | 0.05 | 59.40  | 37.70 | 0.06 | 50.00  | 33.40 | 0.06 | 39.60   | 28.90 | 0.06 |
|                                 |                 | 62 (17) | 62.60                                            | 47.70  | 0.06 | 54.70  | 43.50 | 0.06 | 46.20  | 39.20 | 0.06 | 37.50  | 35.00 | 0.07 | 30.70   | 30.70 | 0.13 |
|                                 | 1750            | 72 (22) | 103.00                                           | 50.00  | 0.00 | 94.30  | 46.00 | 0.00 | 84.60  | 41.50 | 0.05 | 73.90  | 36.80 | 0.06 | 62.00   | 32.00 | 0.07 |
|                                 |                 | 67 (19) | 86.70                                            | 53.10  | 0.08 | 77.80  | 48.60 | 0.08 | 68.00  | 43.90 | 0.08 | 57.10  | 39.00 | 0.08 | 45.20   | 33.90 | 0.09 |
|                                 |                 | 62 (17) | 71.70                                            | 55.70  | 0.09 | 62.70  | 50.90 | 0.09 | 53.10  | 46.20 | 0.09 | 43.40  | 41.50 | 0.10 | 36.30   | 36.30 | 0.18 |
| 43                              | 1050            | 72 (22) | 96.72                                            | 47.64  | 0.00 | 89.31  | 43.85 | 0.00 | 80.91  | 39.78 | 0.00 | 71.39  | 35.44 | 0.00 | 60.74   | 30.89 | 0.01 |
|                                 |                 | 67 (19) | 80.93                                            | 49.26  | 0.01 | 73.30  | 45.20 | 0.01 | 64.67  | 40.88 | 0.01 | 54.97  | 36.34 | 0.01 | 43.99   | 31.53 | 0.01 |
|                                 |                 | 62 (17) | 66.64                                            | 50.56  | 0.01 | 58.77  | 46.28 | 0.01 | 50.10  | 41.84 | 0.01 | 40.70  | 37.29 | 0.02 | 32.63   | 32.63 | 0.07 |
|                                 | 1400            | 72 (22) | 117.07                                           | 57.30  | 0.00 | 108.20 | 53.03 | 0.00 | 98.03  | 48.31 | 0.01 | 86.74  | 43.33 | 0.02 | 73.81   | 37.96 | 0.02 |
|                                 |                 | 67 (19) | 98.18                                            | 60.23  | 0.03 | 89.03  | 55.55 | 0.03 | 78.69  | 50.55 | 0.03 | 66.93  | 45.19 | 0.03 | 53.54   | 39.46 | 0.03 |
|                                 |                 | 62 (17) | 81.03                                            | 62.70  | 0.03 | 71.60  | 57.72 | 0.03 | 61.25  | 52.56 | 0.03 | 50.15  | 47.21 | 0.03 | 41.46   | 41.46 | 0.11 |
|                                 | 1750            | 72 (22) | 133.38                                           | 65.28  | 0.00 | 123.30 | 60.58 | 0.02 | 111.98 | 55.48 | 0.03 | 99.21  | 50.01 | 0.04 | 84.49   | 44.04 | 0.04 |
|                                 |                 | 67 (19) | 112.09                                           | 69.50  | 0.04 | 101.79 | 64.41 | 0.05 | 90.14  | 58.95 | 0.05 | 76.76  | 52.99 | 0.05 | 61.46   | 46.55 | 0.05 |
|                                 |                 | 62 (17) | 92.72                                            | 73.26  | 0.05 | 82.16  | 67.85 | 0.05 | 70.58  | 62.18 | 0.05 | 58.38  | 56.24 | 0.06 | 49.33   | 49.33 | 0.15 |
| 48                              | 1200            | 72 (22) | 79.30                                            | 38.70  | 0.00 | 72.90  | 35.40 | 0.00 | 65.70  | 31.90 | 0.00 | 57.70  | 28.20 | 0.00 | 48.80   | 24.40 | 0.01 |
|                                 |                 | 67 (19) | 66.60                                            | 40.20  | 0.02 | 60.00  | 36.60 | 0.02 | 52.70  | 32.90 | 0.02 | 44.60  | 29.10 | 0.02 | 35.70   | 25.10 | 0.03 |
|                                 |                 | 62 (17) | 55.00                                            | 41.30  | 0.03 | 48.30  | 37.60 | 0.03 | 40.90  | 33.80 | 0.03 | 33.10  | 30.00 | 0.03 | 26.30   | 26.30 | 0.07 |
|                                 | 1600            | 72 (22) | 96.00                                            | 46.60  | 0.00 | 88.30  | 42.90 | 0.00 | 79.60  | 38.90 | 0.00 | 69.90  | 34.50 | 0.03 | 59.10   | 30.00 | 0.04 |
|                                 |                 | 67 (19) | 80.90                                            | 49.20  | 0.04 | 72.90  | 45.00 | 0.04 | 64.10  | 40.70 | 0.05 | 54.20  | 36.10 | 0.05 | 43.30   | 31.40 | 0.05 |
|                                 |                 | 62 (17) | 67.00                                            | 51.20  | 0.05 | 58.80  | 46.80 | 0.05 | 49.90  | 42.30 | 0.05 | 40.70  | 37.90 | 0.05 | 33.30   | 33.30 | 0.11 |
|                                 | 2000            | 72 (22) | 109.40                                           | 53.10  | 0.00 | 100.70 | 49.10 | 0.00 | 90.90  | 44.60 | 0.03 | 79.90  | 39.80 | 0.05 | 67.50   | 34.70 | 0.06 |
|                                 |                 | 67 (19) | 92.40                                            | 56.70  | 0.06 | 83.40  | 52.20 | 0.07 | 73.30  | 47.40 | 0.07 | 62.00  | 42.20 | 0.07 | 49.50   | 36.90 | 0.07 |
|                                 |                 | 62 (17) | 76.70                                            | 59.70  | 0.07 | 67.50  | 54.90 | 0.08 | 57.40  | 49.90 | 0.08 | 47.20  | 44.90 | 0.08 | 39.50   | 39.50 | 0.16 |
| 60                              | 1600            | 72 (22) | 103.20                                           | 50.40  | 0.00 | 94.40  | 45.90 | 0.00 | 84.80  | 41.10 | 0.00 | 74.10  | 36.30 | 0.00 | 62.40   | 31.20 | 0.02 |
|                                 |                 | 67 (19) | 86.40                                            | 52.10  | 0.02 | 77.50  | 47.20 | 0.02 | 67.80  | 42.30 | 0.02 | 57.10  | 37.20 | 0.03 | 45.40   | 32.10 | 0.03 |
|                                 |                 | 62 (17) | 71.20                                            | 53.30  | 0.03 | 62.20  | 48.30 | 0.03 | 52.40  | 43.30 | 0.03 | 42.30  | 38.30 | 0.03 | 33.50   | 33.50 | 0.07 |
|                                 | 2000            | 72 (22) | 120.70                                           | 58.70  | 0.00 | 110.40 | 53.60 | 0.00 | 99.00  | 48.20 | 0.00 | 86.40  | 42.50 | 0.02 | 72.60   | 36.70 | 0.03 |
|                                 |                 | 67 (19) | 101.20                                           | 61.30  | 0.03 | 90.70  | 55.70 | 0.04 | 79.20  | 50.00 | 0.04 | 66.60  | 44.10 | 0.04 | 52.80   | 38.10 | 0.05 |
|                                 |                 | 62 (17) | 83.40                                            | 63.20  | 0.05 | 72.80  | 57.40 | 0.05 | 61.40  | 51.60 | 0.05 | 49.70  | 46.00 | 0.05 | 40.30   | 40.30 | 0.11 |
|                                 | 2400            | 72 (22) | 135.60                                           | 65.80  | 0.00 | 124.10 | 60.30 | 0.00 | 111.20 | 54.40 | 0.01 | 97.00  | 48.00 | 0.04 | 81.30   | 41.50 | 0.05 |
|                                 |                 | 67 (19) | 113.90                                           | 69.30  | 0.05 | 102.10 | 63.20 | 0.06 | 89.10  | 56.90 | 0.06 | 74.80  | 50.30 | 0.06 | 59.20   | 43.60 | 0.06 |
|                                 |                 | 62 (17) | 94.10                                            | 72.10  | 0.06 | 82.10  | 65.70 | 0.06 | 69.30  | 59.30 | 0.06 | 56.40  | 53.00 | 0.07 | 46.50   | 46.50 | 0.14 |
| 61                              | 1600            | 72 (22) | 146.13                                           | 71.69  | 0.00 | 134.50 | 65.77 | 0.00 | 121.56 | 59.54 | 0.00 | 106.83 | 52.86 | 0.00 | 90.32   | 45.83 | 0.01 |
|                                 |                 | 67 (19) | 122.06                                           | 74.12  | 0.02 | 110.18 | 67.82 | 0.02 | 96.85  | 61.17 | 0.02 | 81.83  | 54.15 | 0.02 | 64.91   | 46.78 | 0.02 |
|                                 |                 | 62 (17) | 100.28                                           | 76.03  | 0.02 | 88.07  | 69.40 | 0.02 | 74.72  | 62.59 | 0.02 | 60.46  | 55.67 | 0.02 | 48.56   | 48.56 | 0.08 |
|                                 | 2000            | 72 (22) | 169.63                                           | 82.84  | 0.00 | 156.39 | 76.39 | 0.00 | 141.33 | 69.41 | 0.01 | 124.36 | 61.86 | 0.02 | 105.10  | 53.83 | 0.02 |
|                                 |                 | 67 (19) | 142.02                                           | 86.75  | 0.03 | 128.36 | 79.72 | 0.03 | 112.89 | 72.20 | 0.03 | 95.38  | 64.18 | 0.03 | 75.60   | 55.70 | 0.03 |
|                                 |                 | 62 (17) | 116.90                                           | 89.93  | 0.03 | 102.76 | 82.43 | 0.03 | 87.41  | 74.75 | 0.03 | 71.17  | 66.88 | 0.04 | 58.57   | 58.57 | 0.11 |
|                                 | 2400            | 72 (22) | 189.44                                           | 92.42  | 0.00 | 174.81 | 85.58 | 0.00 | 158.22 | 77.98 | 0.02 | 139.30 | 69.76 | 0.03 | 117.75  | 60.94 | 0.04 |
|                                 |                 | 67 (19) | 158.99                                           | 97.85  | 0.04 | 143.83 | 90.25 | 0.04 | 126.61 | 82.05 | 0.04 | 107.02 | 73.24 | 0.05 | 84.86   | 63.87 | 0.05 |
|                                 |                 | 62 (17) | 131.10                                           | 102.40 | 0.05 | 115.46 | 94.29 | 0.05 | 98.49  | 85.91 | 0.05 | 80.79  | 77.29 | 0.06 | 67.60   | 67.60 | 0.14 |

Legend:

CFM – Cubic Ft. per Minute

EWB – Entering Wet Bulb

LWB – Leaving Wet Bulb

TC – Gross Cooling Capacity 1000 Btuh

SHC – Gross Sensible Capacity 1000 Btuh

BF – Bypass Factor

MBH – 1000 Btuh

See notes following.

**NOTES:**

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

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

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

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

Where  $h_{EWB}$  = enthalpy of air entering coil
3. SHC is based on 80°F (27°C) db temperature of air entering the evaporator coil.  
 Below 80°F (27°C) db, subtract (Correction Factor x CFM) from SHC.  
 Above 80°F (27°C) 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 10°F (–12°C) superheat leaving coil and use of thermostatic expansion valve (TXV) device.
7. The END4X, ENW4X, and ENA4X coils can be used in any properly designed system using R-410A refrigerant.
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 FACTOR | ENTERING AIR DRY BULB TEMPERATURE °F (°C) |         |         |         |         |                         |
|---------------|-------------------------------------------|---------|---------|---------|---------|-------------------------|
|               | 79 (26)                                   | 78 (26) | 77 (25) | 76 (24) | 75 (24) | Under 75 (24)           |
|               | 81 (27)                                   | 82 (28) | 83 (28) | 84 (29) | 84 (29) | Above 85 (29)           |
|               | Correction Factor                         |         |         |         |         |                         |
| 0.10          | 0.98                                      | 1.96    | 2.94    | 3.92    | 4.91    | Use formula 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.

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