



**CCA7**  
**SXT+**

**Product Specifications**

**HIGH EFFICIENCY 17 SEER TWO-STAGE AIR CONDITIONER WITH OBSERVER™ COMMUNICATING CONTROL SYSTEM**  
**2 THRU 5 TONS SPLIT SYSTEM**

**208/230 Volt, 1-phase, 60 Hz**  
**REFRIGERATION CIRCUIT**

- Copeland Scroll® Ultratech™ compressors on all models
- Filter-drier supplied with every unit for field installation
- External high and low refrigerant service ports
- High and low pressure switches
- Copper tube / aluminum fin coil

**PERFORMANCE**

- Self-configuring installation capabilities with Observer Communicating Wall Control
- Outdoor temperature sensor factory installed
- Ball Bearing PSC fan motors on all models
- High performance compressor sound shield standard
- Isolation compressor grommets

**EASY TO INSTALL AND SERVICE**

- Text based diagnostics with Observer Communicating Wall Control
- Only 2 control wires required from communicating indoor unit to condenser
- Easy access service valves on all models
- Innovative control box design
- Only two screws to access control panel
- Factory charged with R-410A refrigerant

**BUILT TO LAST**

- High gloss, baked-on powder coat finish over galvanized steel
- Post-painted (black) coil fins
- Coated, weather-resistant cabinet screws
- Coated inlet grille with 3/8" (10mm) spacing for extra protection
- Corner posts for extra strength and style

**WARRANTY\***

- 10 year No Hassle Replacement™ limited warranty
- 5 year parts limited warranty (including compressor and coil)
  - With timely registration, an additional 5 year parts limited warranty (including compressor and coil)

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



TSTAT0101SC  
(Sold Separately)



This product has been designed and manufactured to meet ENERGY STAR criteria for energy efficiency when matched with appropriate coil components. However, proper refrigerant charge and proper air flow are critical to achieve rated capacity and efficiency. Installation of this product should follow the manufacturer's refrigerant charging and air flow instructions. Failure to confirm proper charge and airflow may reduce energy efficiency and shorten equipment life.

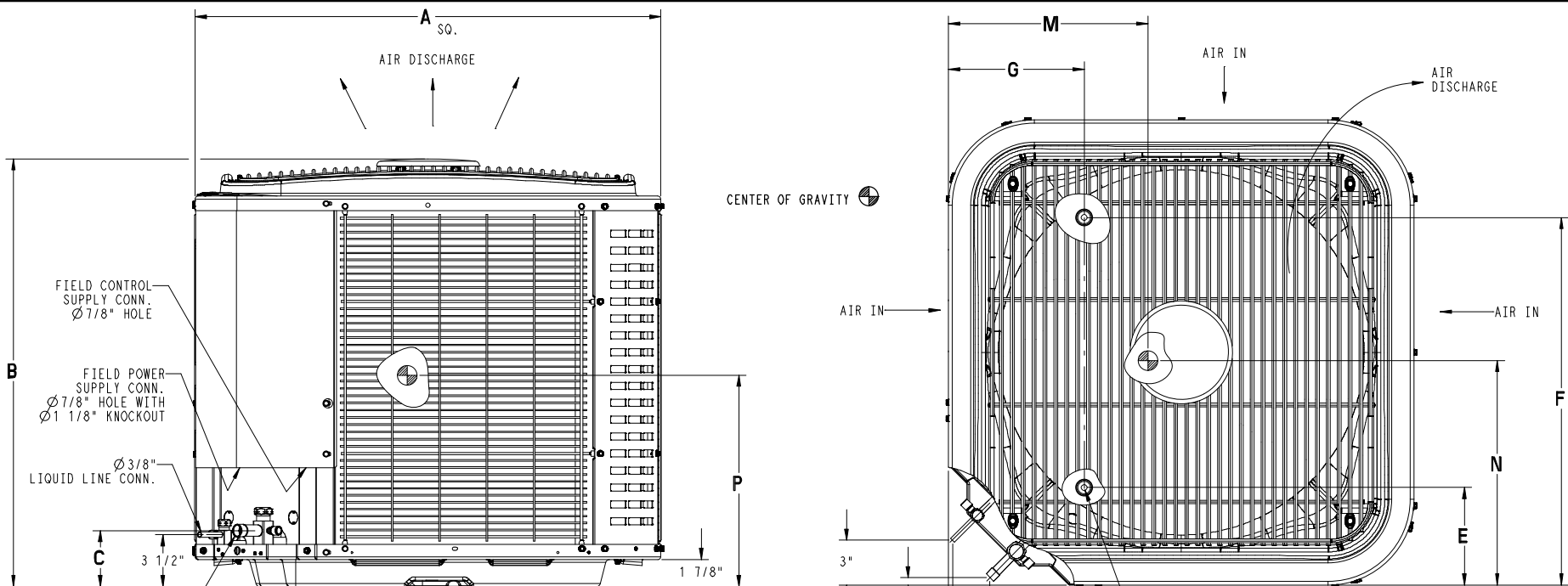


Use of the AHRI Certified TM Mark indicates a manufacturer's participation in the program. For verification of certification for individual products, go to [www.ahridirectory.org](http://www.ahridirectory.org).

| Model Number | Size (tons) | Nominal Btu/hr | Min. Circuit Ampacity | Max. Fuse or Breaker | Operating Dimensions height x width x depth in. (mm) | Ship / Operating Weight lbs. (kg) |
|--------------|-------------|----------------|-----------------------|----------------------|--|-----------------------------------|
| CCA724GKA1   | 2           | 24,000         | 13.6                  | 20                   | 38-15/16x31-3/16x31-3/16 (988x792x792)               | 245/212 (111/96)                  |
| CCA724GKA2   | 2           | 24,000         | 14.5                  | 20                   | 35-9/16x31-3/16x31-3/16 (903x792x792)                | 222/183 (101/83)                  |
| CCA736GKA1   | 3           | 36,000         | 22.1                  | 35                   | 38-15/16x31-3/16x31-3/16 (988x792x792)               | 279/245 (127/111)                 |
| CCA736GKA2   | 3           | 36,000         | 19.8                  | 35                   | 35-9/16x31-3/16x31-3/16 (930x792x792)                | 256/217 (116/98)                  |
| CCA748GKA1   | 4           | 48,000         | 27.7                  | 40                   | 40-1/4x35x35 (1022x889x889)                          | 325/280 (148/128)                 |
| CCA748GKA2   | 4           | 48,000         | 27.8                  | 40                   | 40-1/4x35x35 (1023x889x889)                          | 326/283 (148/128)                 |
| CCA760GKA1   | 5           | 60,000         | 30.1                  | 450                  | 47-1/16x35x35 (1196x889x889)                         | 372/331 (170/150)                 |
| CCA760GKA2   | 5           | 60,000         | 37.3                  | 60                   | 40-1/4x35x35 (1023x889x889)                          | 327/284 (148/129)                 |

| <b>OUTDOOR UNIT MODEL NUMBER IDENTIFICATION GUIDE (single phase)</b> |          |                           |          |          |           |          |          |          |          |                         |          |
|--|----------|---------------------------|----------|----------|-----------|----------|----------|----------|----------|-------------------------|----------|
| Digit Position:  | 1        | 2                         | 3        | 4        | 5, 6      | 7        | 8        | 9        | 10       | 11                      | 12       |
| Example Part Number:   | <b>C</b> | <b>C</b>                  | <b>A</b> | <b>7</b> | <b>24</b> | <b>G</b> | <b>K</b> | <b>A</b> | <b>2</b> | <b>0</b>                | <b>0</b> |
| C = Keeprite Mainline  |          | <b>BRANDING</b>           |          |          |           |          |          |          |          |                         |          |
| C = Communicating  |          | <b>KEY CHARACTERISTIC</b> |          |          |           |          |          |          |          |                         |          |
| A = Air Conditioner  |          |                           |          |          |           |          |          |          |          |                         |          |
| H = Heat Pump  |          |                           |          |          |           |          |          |          |          |                         |          |
| 6 = 16 SEER  |          |                           |          |          |           |          |          |          |          |                         |          |
| 7 = 17 SEER  |          |                           |          |          |           |          |          |          |          |                         |          |
| 8 = 18 SEER  |          |                           |          |          |           |          |          |          |          |                         |          |
| 9 = 19 SEER  |          |                           |          |          |           |          |          |          |          |                         |          |
| 24 = 24,000 BTUH = 2 tons  |          |                           |          |          |           |          |          |          |          |                         |          |
| 36 = 36,000 BTUH = 3 tons  |          |                           |          |          |           |          |          |          |          |                         |          |
| 48 = 48,000 BTUH = 4 tons  |          |                           |          |          |           |          |          |          |          |                         |          |
| 60 = 60,000 BTUH = 5 tons  |          |                           |          |          |           |          |          |          |          |                         |          |
|  |          |                           |          |          |           |          |          |          |          | <b>NOMINAL CAPACITY</b> |          |
| G = Coil Guard Grille  |          |                           |          |          |           |          |          |          |          | <b>FEATURES</b>         |          |
| K = 208/230-1-60   |          |                           |          |          |           |          |          |          |          | <b>VOLTAGE</b>          |          |
| Sales Code   |          |                           |          |          |           |          |          |          |          |                         |          |
| Engineering Revision   |          |                           |          |          |           |          |          |          |          |                         |          |
| Extra Digit  |          |                           |          |          |           |          |          |          |          |                         |          |
| Extra Digit  |          |                           |          |          |           |          |          |          |          |                         |          |

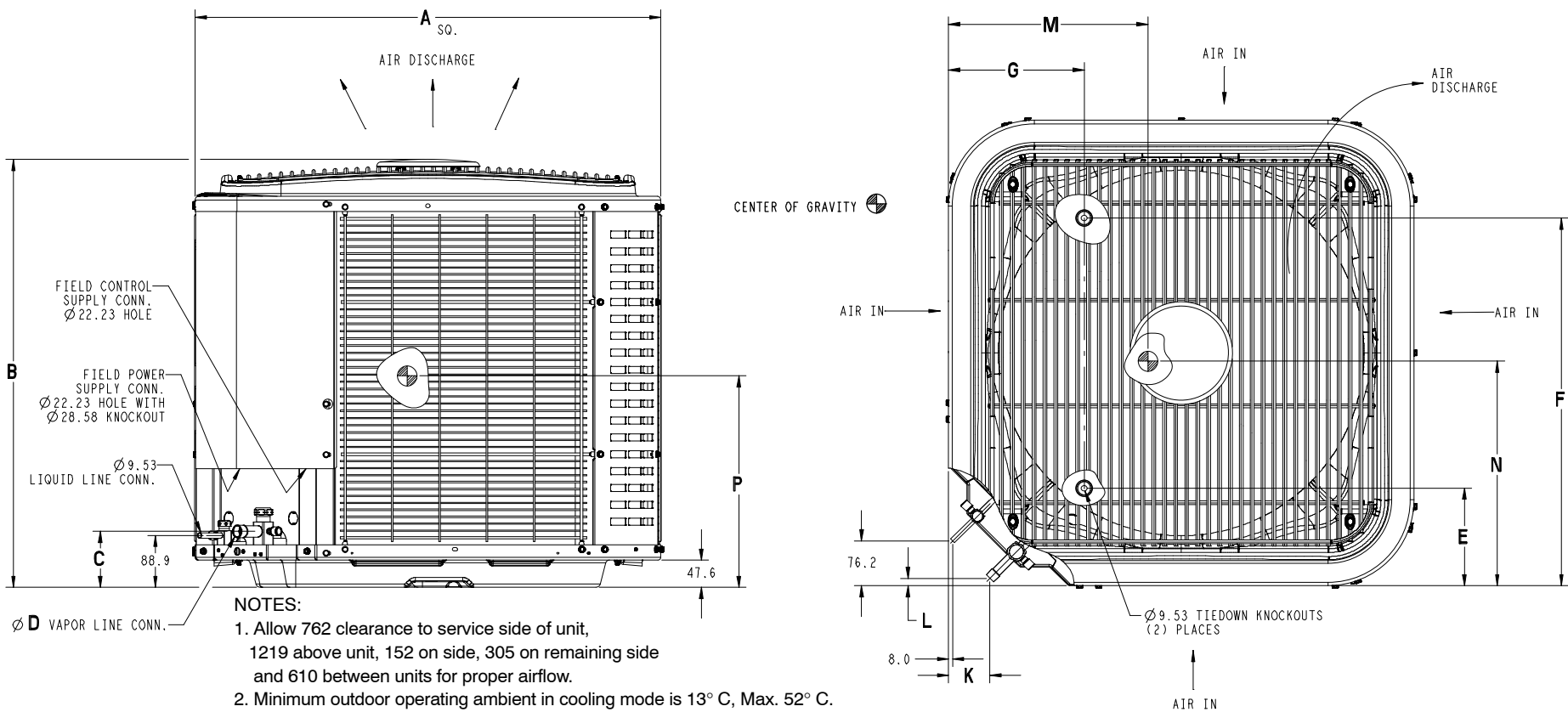
| <b>ACCESSORIES PART NUMBER IDENTIFICATION GUIDE</b> |          |                      |          |                  |          |           |           |                     |  |
|---|----------|----------------------|----------|------------------|----------|-----------|-----------|---------------------|--|
| Digit Position:                                     | 1        | 2                    | 3        | 4                | 5        | 6, 7      | 8, 9      | 10, 11              |  |
| Example Part Number:                                | <b>N</b> | <b>A</b>             | <b>S</b> | <b>A</b>         | <b>0</b> | <b>01</b> | <b>01</b> | <b>CH</b>           |  |
| N = Non-Branded                                     |          |                      |          |                  |          |           |           |                     |  |
| A = Accessory                                       |          | <b>PRODUCT GROUP</b> |          |                  |          |           |           |                     |  |
| S = Split System (AC & HP)                          |          |                      |          | <b>KIT USAGE</b> |          |           |           |                     |  |
| A = Original  |          |                      |          |                  |          |           |           |                     |  |
| B = 2nd Generation                                  |          |                      |          |                  |          |           |           | <b>MAJOR SERIES</b> |  |
| 0 = Generic or Not Applicable                       |          |                      |          |                  |          |           |           |                     |  |
| 2 = R-22  |          |                      |          |                  |          |           |           |                     |  |
| 4 = R-410A  |          |                      |          |                  |          |           |           | <b>REFRIGERANT</b>  |  |
| Product Identifier Number                           |          |                      |          |                  |          |           |           |                     |  |
| Package Quantity                                    |          |                      |          |                  |          |           |           |                     |  |
| Type of Kit (Example: CH = Crankcase Heater)        |          |                      |          |                  |          |           |           |                     |  |



- NOTES:**
1. Allow 30" clearance to service side of unit, 48" above unit, 6" on side, 12" on remaining side and 24" between units for proper airflow.
  2. Minimum outdoor operating ambient in cooling mode is 55° F, Max. 125° F.
  3. Series designation is the 10<sup>th</sup> position of the unit model number.
  4. Center of Gravity
  5. All dimensions are in inches unless noted.

Dimensions Inches (English)

| Model      | Dimensions Inches (English) |          |       |     |        |          |       |         |     |        |        |        | Minimum Mounting Pad Size | Crated Dimensions L x W x H |
|------------|-----------------------------|----------|-------|-----|--------|----------|-------|---------|-----|--------|--------|--------|---------------------------|-----------------------------|
|            | A                           | B        | C     | D   | E      | F        | G     | K       | L   | M      | N      | P      |                           |                             |
| CCA724GKA1 | 31-3/16                     | 38-15/16 | 3-3/4 | 3/4 | 6-9/16 | 24-11/16 | 9-1/8 | 2-13/16 | 1/2 | 16     | 16-5/8 | 16-3/4 | 31-1/2 x 31-1/2           | 32-5/16 x 35-1/2 x 42-3/4   |
| CCA736GKA1 | 31-3/16                     | 38-15/16 | 3-7/8 | 7/8 | 6-9/16 | 24-11/16 | 9-1/8 | 2-15/16 | 5/8 | 16-3/8 | 15-5/8 | 19-1/4 | 31-1/2 x 31-1/2           | 32-5/16 x 35-1/2 x 42-3/4   |
| CCA748GKA1 | 35                          | 40-1/4   | 3-7/8 | 7/8 | 6-9/16 | 28-7/16  | 9-1/8 | 2-15/16 | 5/8 | 16-1/2 | 17-5/8 | 18-1/2 | 35 x 35                   | 36-1/8 x 39-1/4 x 46-1/8    |
| CCA760GKA1 | 35                          | 47-1/16  | 3-7/8 | 7/8 | 6-9/16 | 28-7/16  | 9-1/8 | 2-15/16 | 5/8 | 17-1/2 | 17-1/2 | 20-1/2 | 35 x 35                   | 36-1/8 x 39-1/4 x 50-13/16  |
| CCA724GKA2 | 31-3/16                     | 35-9/16  | 3-3/4 | 3/4 | 6-9/16 | 24-11/16 | 9-1/8 | 2-13/16 | 1/2 | 15-7/8 | 16-1/2 | 17-3/4 | 31-1/2 x 31-1/2           | 33-5/16 x 33-5/16 x 39-3/8  |
| CCA736GKA2 | 31-3/16                     | 35-9/16  | 3-7/8 | 7/8 | 6-9/16 | 24-11/16 | 9-1/8 | 2-15/16 | 5/8 | 16     | 15-1/2 | 17-1/2 | 31-1/2 x 31-1/2           | 33-5/16 x 33-5/16 x 39-3/8  |
| CCA748GKA2 | 35                          | 40-1/4   | 3-7/8 | 7/8 | 6-9/16 | 28-7/16  | 9-1/8 | 2-15/16 | 5/8 | 17-1/4 | 17-1/4 | 18-1/2 | 35 x 35                   | 37-1/8 x 37-1/8 x 46-1/8    |
| CCA760GKA2 | 35                          | 40-1/4   | 3-7/8 | 7/8 | 6-9/16 | 28-7/16  | 9-1/8 | 2-15/16 | 5/8 | 16-1/2 | 16-1/4 | 17-1/2 | 35 x 35                   | 37-1/8 x 37-1/8 x 46-1/8    |



Dimensions mm (SI Metric)

| Model      | A   | B    | C  | D  | E   | F   | G   | K  | L  | M   | N   | P   | Minimum Mounting Pad Size | Crated Dimensions L x W x H |
|------------|-----|------|----|----|-----|-----|-----|----|----|-----|-----|-----|---------------------------|-----------------------------|
| CCA724GKA1 | 792 | 988  | 95 | 19 | 167 | 627 | 232 | 71 | 13 | 406 | 422 | 426 | 800 x 800                 | 821 x 901 x 1086            |
| CCA736GKA1 | 792 | 988  | 99 | 22 | 167 | 627 | 232 | 75 | 16 | 416 | 399 | 489 | 800 x 800                 | 821 x 901 x 1086            |
| CCA748GKA1 | 889 | 1023 | 99 | 22 | 167 | 722 | 232 | 75 | 16 | 419 | 448 | 470 | 889 x 889                 | 918 x 998 x 1172            |
| CCA760GKA1 | 889 | 1196 | 99 | 22 | 167 | 722 | 232 | 75 | 16 | 445 | 446 | 521 | 889 x 889                 | 918 x 998 x 1290            |
| CCA724GKA2 | 792 | 903  | 95 | 19 | 167 | 627 | 232 | 71 | 13 | 403 | 419 | 451 | 800 x 800                 | 846 x 846 x 1000            |
| CCA736GKA2 | 792 | 903  | 99 | 22 | 167 | 627 | 232 | 75 | 16 | 406 | 394 | 445 | 800 x 800                 | 846 x 846 x 1000            |
| CCA748GKA2 | 889 | 1023 | 99 | 22 | 167 | 722 | 232 | 75 | 16 | 418 | 438 | 470 | 889 x 889                 | 943 x 943 x 1172            |
| CCA760GKA2 | 889 | 1023 | 99 | 22 | 167 | 722 | 232 | 75 | 16 | 419 | 413 | 445 | 889 x 889                 | 943 x 943 x 1172            |

| PHYSICAL DATA  |                |               |               |               |               |
|--|----------------|---------------|---------------|---------------|---------------|
| Model Size   |                | 24            | 36            | 48            | 60            |
| Nominal Cooling Capacity (BTU/hr)  |                | 24,000        | 36,000        | 48,000        | 60,000        |
| SEER Rating‡   |                | 17.0          | 17.0          | 17.0          | 16.5          |
| Sound Rating**, High Stage (dBA)   |                | 72            | 71            | 72            | 72            |
| Low Stage (dBA)  |                | 71            | 70            | 70            | 72            |
| PSC Fan Motor HP   |                | 1/12          | 1/10          | 1/4           | 1/4           |
| Fan RPM  |                | 800           | 825           | 825           | 825           |
| Fan CFM  |                | 2481          | 3068          | 4700          | 4700          |
| Coil Face Area ft <sup>2</sup> (m <sup>2</sup> )   |                | 19.58         | 19.38         | 25.12         | 25.12         |
| Coil Rows – fins per inch  |                | 1–25          | 2–20          | 2–20          | 2–20          |
| Low Pressure Switch  | Open Pressure  | 50 ± 7 PSIG   | 50 ± 7 PSIG   | 50 ± 7 PSIG   | 50 ± 7 PSIG   |
|  | Close Pressure | 95 ± 7 PSIG   | 95 ± 7 PSIG   | 95 ± 7 PSIG   | 95 ± 7 PSIG   |
| Hi Pressure Switch   | Open Pressure  | 670 ± 10 PSIG | 670 ± 10 PSIG | 670 ± 10 PSIG | 670 ± 10 PSIG |
|  | Close Pressure | 470 ± 25 PSIG | 470 ± 25 PSIG | 470 ± 25 PSIG | 470 ± 25 PSIG |
| Liquid Line Connection Size in. (mm)   |                | 3/8 (10)      | 3/8 (10)      | 3/8 (10)      | 3/8 (10)      |
| Vapor Line Connection Size in. (mm)  |                | 3/4 (19)      | 7/8 (22)      | 7/8 (22)      | 7/8 (22)      |
| Recommended Line Set Liquid Tube Diameter in. (mm)   |                | 3/8 (10)      | 3/8 (10)      | 3/8 (10)      | 3/8 (10)      |
| Recommended Line Set Vapor Tube Diameter in. (mm)*   |                | 3/4 (19)*     | 7/8 (22)*     | 1–1/8 (29)*   | 1–1/8 (29)*   |
| * Recommended Vapor Tube Line size is for standard installations. These recommendations may not apply to “Long Line” installations. When the total equivalent line length exceeds 80 feet (24.4m) or there is more than 20 feet (6.1m) vertical separation between indoor and outdoor units, consult the Long Line Application Guideline document before purchasing/ installing line sets. |                |               |               |               |               |
| Factory Charge R-410A lbs. (kg)  |                | 6.64 (3.01)   | 9.26(4.20)    | 12.94 (5.87)  | 12.70 (5.76)  |
| Required Subcooling °F (°C)  |                | 10 (5.6)      | 14 (7.8)      | 13 (7.2)      | 14 (7.8)      |

| ELECTRICAL DATA (208/230–1–60, voltage range 197V – 253V)  |        |        |        |        |        |        |        |        |
|--|--------|--------|--------|--------|--------|--------|--------|--------|
| Model Size   | 24GKA1 | 24GKA2 | 36GKA1 | 36GKA2 | 48GKA1 | 48GKA2 | 60GKA1 | 60GKA2 |
| Minimum Circuit Ampacity – <b>MCA</b> (amps)               | 13.6   | 14.5   | 22.1   | 19.8   | 27.7   | 27.8   | 30.1   | 37.3   |
| Maximum OverCurrent Protective device – <b>MOCP</b> (amps) | 20     | 20     | 35     | 35     | 40     | 40     | 50     | 60     |
| Compressor <b>RLA</b> (Rated Load Amps)                    | 10.3   | 11.1   | 16.7   | 15.3   | 21.2   | 21.2   | 23.0   | 28.8   |
| <b>LRA</b> (Locked Rotor Amps)                             | 52.0   | 58.3   | 82.0   | 83.0   | 96.0   | 104.0  | 118.0  | 152.9  |
| Fan Motor <b>FLA</b> (Full Load Amps)                      | 0.7    | 0.6    | 1.2    | 0.7    | 1.2    | 1.3    | 1.3    | 1.3    |

‡ Highest sales volume tested combination.

\*\*Sound Rating tested in accordance with AHRI Standard 270–95 (not listed with AHRI).

| R-410A COOLING CAPACITY LOSS FOR VARIOUS LINE LENGTHS & TUBE DIAMETERS |   |                                    |   |                   |                    |                     |                     |                     |                     |                     |                     |
|--|---|------------------------------------|---|-------------------|--------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| Unit Nominal Size (Btuh)   | Maximum Liquid Line Diameter (OD) in.(mm) | Vapor Line Diameters (OD) in. (mm) | Cooling Capacity Loss (%) at Total Equivalent Line Length, feet (m) |                   |                    |                     |                     |                     |                     |                     |                     |
|  |   |                                    | 26-50 (7.9-15.2)  | 51-80 (15.5-24.4) | 81-100 (24.7-30.5) | 101-125 (30.8-38.1) | 126-150 (38.4-45.7) | 151-175 (46.0-50.3) | 176-200 (53.6-60.0) | 201-225 (61.3-68.6) | 226-250 (68.9-76.2) |
| 24 2-Stage AC  | 3/8 (10)                                  | 5/8 (16)                           | 0   | 1                 | 1                  | 2                   | 3                   | 3                   | 4                   | 4                   | 5                   |
|  |   | 3/4 (19)                           | 0   | 0                 | 0                  | 0                   | 1                   | 1                   | 1                   | 1                   | 1                   |
| 36 2-Stage AC  |   | 5/8 (16)                           | 1   | 2                 | 4                  | 5                   | 6                   | 7                   | 9                   | 10                  | 11                  |
|  |   | 3/4 (19)                           | 0   | 0                 | 1                  | 1                   | 2                   | 2                   | 3                   | 3                   | 4                   |
|  |   | 7/8 (22)                           | 0   | 0                 | 0                  | 0                   | 1                   | 1                   | 1                   | 1                   | 2                   |
| 48 2-Stage AC  |   | 3/4 (19)                           | 1   | 2                 | 2                  | 3                   | 4                   | 5                   | 6                   | 7                   | 7                   |
|  |   | 7/8 (22)                           | 0   | 1                 | 1                  | 2                   | 2                   | 2                   | 3                   | 3                   | 3                   |
|  |   | 1-1/8 (29)                         | 0   | 0                 | -                  | -                   | -                   | -                   | -                   | -                   | -                   |
| 60 2-Stage AC  |   | 3/4 (19)                           | 1   | 2                 | 4                  | 5                   | 6                   | 7                   | 9                   | 10                  | 10                  |
|  |   | 7/8 (22)                           | 0   | 1                 | 2                  | 2                   | 2                   | 3                   | 4                   | 4                   | 5                   |
|  |   | 1-1/8 (29)                         | 0   | 0                 | 0                  | 0                   | 1                   | 1                   | 1                   | 1                   | 1                   |

Applications in shaded area may be long line and may have height restrictions. See the AC & HP R410A Split System Long Line Applications Guideline.

- Applications in this area are not recommended due to insufficient oil return.

### TESTED AHRI COMBINATION RATINGS\*

NOTE: Ratings contained in this document are subject to change at any time.

For AHRI ratings certificates, please refer to the AHRI directory. [www.ahridirectory.org](http://www.ahridirectory.org)

Additional ratings and system combinations can be accessed via the Keeprite database at:

<http://www.icpeqp.com/AHRIratings/ratings.aspx?Brand=Keeprite>

Or scan this QR code:



| COOLING PERFORMANCE  |                              |                |                       |       |      |      |        |      |  |
|--|------------------------------|----------------|-----------------------|-------|------|------|--------|------|--|
| For complete ratings information, use the AHRI website directory search: <a href="http://www.AHRIdirectory.org">www.AHRIdirectory.org</a> .<br>New ratings may be listed online before Specification Sheets are updated. |                              |                |                       |       |      |      |        |      |  |
| Unit Size  | Indoor Model (*Tested Model) | Furnace Model  | AHRI STANDARD RATINGS |       |      |      |        |      |  |
|  |                              |                | COOLING 95° F (35° C) |       |      |      |        |      |  |
|  |                              |                | Capacity              |       | SEER | EER  | ID CFM |      |  |
|  |                              |                | High                  | Low   |      |      | High   | Low  |  |
| CCA724GKA  | *EN(A,D)4X31*17**            | *8MV*0901716** | 24000                 | 21600 | 17.0 | 13.0 | 835    | 670  |  |
| CCA736GKA  | *EN(A,D,W)4X48*21**          | *8MV*0901716** | 36000                 | 29400 | 17.0 | 13.0 | 1005   | 835  |  |
| CCA748GKA  | *EN(A,D)4X61*24**            | *8MV*1352422** | 48000                 | 40000 | 17.0 | 13.0 | 1355   | 1010 |  |
| CCA760GKA  | *EN(A,D)4X61*24**            | *8MV*1352422** | 58000                 | 47000 | 16.5 | 13.0 | 1685   | 1355 |  |

\* AHRI = Air Conditioning, Heating & Refrigeration Institute

EERA — Energy Efficiency Ratio – 'A' conditions – 80°F (26.6°C) indoor db/67°F (19.4°C) indoor wb & 95°F (35° C) outdoor wb.

SEER — Seasonal Energy Efficiency Ratio

**NOTES:**

1. Ratings are net values reflecting the effects of circulating fan motor heat. Supplemental electric heat is not included.
2. Tested outdoor/indoor combinations have been tested in accordance with DOE test procedures for central air conditioners. Ratings for other combinations are determined under DOE computer simulation procedures.
3. Determine actual CFM values obtainable for your system by referring to fan performance data in fan coil or furnace coil literature.
4. Do not apply with capillary tube coils as performance and reliability are significantly affected.

**SIZE 24 EXPANDED DATA**

| High Stage 24 Size Outdoor With EN(A,D)4X31*17**+*8MV*0901716** Indoor Cooling |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Outdoor Ambient Temperature - Degrees F, Dry Bulb                              |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 75   |       |       |       |       | 85    |       |       |       |       | 95    |       |       |       |       | 105   |       |       |       |       | 115   |       |       |       |       |       |       |
| Entering Indoor Temperature - Degrees F, Wet Bulb                              |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| CFM  | 57    | 62    | 63††  | 67    | 72    | 57    | 62    | 63††  | 67    | 72    | 57    | 62    | 63††  | 67    | 72    | 57    | 62    | 63††  | 67    | 72    | 57    | 62    | 63††  | 67    | 72    |       |
| 600  | MBh†  | 24.35 | 25.97 | 26.50 | 28.68 | 31.66 | 21.95 | 23.22 | 23.69 | 25.64 | 28.31 | 19.59 | 20.53 | 20.94 | 22.68 | 25.04 | 17.29 | 17.94 | 18.29 | 19.82 | 21.89 | 15.06 | 15.45 | 15.74 | 17.07 | 18.87 |
|  | S/T‡  | 1.00  | 0.82  | 0.67  | 0.64  | 0.49  | 1.00  | 0.83  | 0.68  | 0.65  | 0.49  | 1.00  | 0.85  | 0.68  | 0.66  | 0.49  | 1.00  | 0.86  | 0.69  | 0.67  | 0.49  | 1.00  | 0.88  | 0.70  | 0.68  | 0.50  |
|  | AMPS* | 6.90  | 6.95  | 6.96  | 7.02  | 7.09  | 7.32  | 7.35  | 7.37  | 7.41  | 7.48  | 7.76  | 7.79  | 7.80  | 7.84  | 7.90  | 8.26  | 8.28  | 8.29  | 8.33  | 8.39  | 8.82  | 8.83  | 8.85  | 8.89  | 8.95  |
|  | HI PR | 259   | 261   | 262   | 264   | 267   | 301   | 303   | 304   | 306   | 310   | 347   | 349   | 350   | 353   | 357   | 398   | 400   | 401   | 404   | 408   | 454   | 455   | 456   | 459   | 464   |
|  | LO PR | 119   | 126   | 128   | 139   | 152   | 122   | 128   | 130   | 141   | 154   | 125   | 130   | 132   | 143   | 157   | 128   | 133   | 135   | 145   | 159   | 132   | 135   | 137   | 148   | 162   |
| 650  | MBh†  | 25.14 | 26.46 | 26.98 | 29.19 | 32.19 | 22.64 | 23.65 | 24.11 | 26.08 | 28.75 | 20.19 | 20.90 | 21.29 | 23.05 | 25.41 | 17.81 | 18.25 | 18.57 | 20.12 | 22.20 | 15.50 | 15.71 | 15.98 | 17.32 | 19.12 |
|  | S/T‡  | 1.00  | 0.85  | 0.68  | 0.66  | 0.49  | 1.00  | 0.86  | 0.69  | 0.66  | 0.49  | 1.00  | 0.87  | 0.70  | 0.67  | 0.50  | 1.00  | 0.89  | 0.71  | 0.68  | 0.50  | 1.00  | 0.91  | 0.72  | 0.69  | 0.51  |
|  | AMPS* | 6.96  | 7.00  | 7.01  | 7.07  | 7.14  | 7.37  | 7.40  | 7.41  | 7.46  | 7.52  | 7.81  | 7.83  | 7.84  | 7.89  | 7.94  | 8.30  | 8.31  | 8.33  | 8.37  | 8.43  | 8.86  | 8.87  | 8.88  | 8.92  | 8.99  |
|  | HI PR | 260   | 262   | 262   | 265   | 268   | 302   | 304   | 304   | 307   | 310   | 349   | 350   | 351   | 353   | 357   | 399   | 400   | 401   | 404   | 409   | 455   | 456   | 457   | 460   | 465   |
|  | LO PR | 123   | 129   | 131   | 141   | 155   | 125   | 131   | 133   | 143   | 157   | 129   | 133   | 135   | 145   | 159   | 132   | 135   | 137   | 148   | 162   | 136   | 138   | 139   | 150   | 164   |
| 700  | MBh†  | 25.85 | 26.90 | 27.40 | 29.63 | 32.64 | 23.27 | 24.03 | 24.46 | 26.45 | 29.13 | 20.74 | 21.23 | 21.59 | 23.35 | 25.73 | 18.28 | 18.53 | 18.83 | 20.38 | 22.46 | 15.90 | 15.97 | 16.18 | 17.52 | 19.33 |
|  | S/T‡  | 1.00  | 0.87  | 0.70  | 0.67  | 0.50  | 1.00  | 0.88  | 0.70  | 0.68  | 0.50  | 1.00  | 0.90  | 0.71  | 0.69  | 0.51  | 1.00  | 0.92  | 0.73  | 0.70  | 0.51  | 1.00  | 0.99  | 0.74  | 0.71  | 0.52  |
|  | AMPS* | 7.01  | 7.04  | 7.06  | 7.12  | 7.19  | 7.42  | 7.44  | 7.45  | 7.50  | 7.56  | 7.85  | 7.87  | 7.88  | 7.92  | 7.98  | 8.34  | 8.35  | 8.37  | 8.41  | 8.47  | 8.90  | 8.91  | 8.92  | 8.96  | 9.02  |
|  | HI PR | 261   | 262   | 263   | 265   | 268   | 303   | 304   | 305   | 307   | 311   | 350   | 350   | 351   | 354   | 358   | 400   | 401   | 402   | 405   | 409   | 456   | 457   | 457   | 461   | 465   |
|  | LO PR | 126   | 131   | 133   | 143   | 157   | 129   | 133   | 135   | 145   | 159   | 132   | 135   | 137   | 147   | 161   | 136   | 137   | 139   | 150   | 164   | 139   | 140   | 141   | 152   | 166   |
| 750  | MBh†  | 26.50 | 27.30 | 27.76 | 30.00 | 33.03 | 23.85 | 24.37 | 24.77 | 26.77 | 29.46 | 21.24 | 21.53 | 21.86 | 23.63 | 26.01 | 18.71 | 18.80 | 19.04 | 20.59 | 22.68 | 16.26 | 16.29 | 16.35 | 17.70 | 19.51 |
|  | S/T‡  | 1.00  | 0.89  | 0.71  | 0.68  | 0.51  | 1.00  | 0.90  | 0.72  | 0.69  | 0.51  | 1.00  | 0.92  | 0.73  | 0.70  | 0.51  | 1.00  | 0.94  | 0.74  | 0.72  | 0.52  | 1.00  | 1.00  | 0.76  | 0.73  | 0.53  |
|  | AMPS* | 7.07  | 7.09  | 7.10  | 7.16  | 7.23  | 7.47  | 7.48  | 7.50  | 7.54  | 7.60  | 7.90  | 7.91  | 7.92  | 7.96  | 8.02  | 8.39  | 8.39  | 8.40  | 8.44  | 8.50  | 8.94  | 8.95  | 8.95  | 9.00  | 9.06  |
|  | HI PR | 262   | 263   | 263   | 266   | 269   | 304   | 305   | 306   | 308   | 312   | 350   | 351   | 352   | 354   | 358   | 401   | 402   | 402   | 405   | 410   | 457   | 457   | 458   | 461   | 466   |
|  | LO PR | 129   | 133   | 135   | 145   | 159   | 132   | 135   | 137   | 147   | 161   | 135   | 137   | 138   | 149   | 163   | 139   | 139   | 141   | 151   | 165   | 143   | 143   | 143   | 154   | 168   |
| 800  | MBh†  | 27.10 | 27.65 | 28.08 | 30.34 | 33.37 | 24.38 | 24.69 | 25.05 | 27.05 | 29.75 | 21.70 | 21.82 | 22.09 | 23.86 | 26.25 | 19.10 | 19.13 | 19.23 | 20.78 | 22.88 | 16.60 | 16.62 | 16.51 | 17.85 | 19.67 |
|  | S/T‡  | 1.00  | 0.91  | 0.72  | 0.70  | 0.51  | 1.00  | 0.93  | 0.73  | 0.71  | 0.52  | 1.00  | 0.94  | 0.75  | 0.72  | 0.52  | 1.00  | 1.00  | 0.76  | 0.74  | 0.53  | 1.00  | 1.00  | 0.78  | 0.75  | 0.54  |
|  | AMPS* | 7.12  | 7.13  | 7.15  | 7.20  | 7.27  | 7.52  | 7.52  | 7.54  | 7.58  | 7.64  | 7.94  | 7.95  | 7.96  | 8.00  | 8.06  | 8.43  | 8.43  | 8.44  | 8.48  | 8.54  | 8.98  | 8.99  | 8.99  | 9.03  | 9.09  |
|  | HI PR | 262   | 263   | 264   | 266   | 269   | 305   | 305   | 306   | 308   | 312   | 351   | 351   | 352   | 355   | 359   | 402   | 402   | 403   | 406   | 410   | 458   | 458   | 458   | 462   | 466   |
|  | LO PR | 132   | 135   | 136   | 147   | 161   | 135   | 137   | 138   | 149   | 163   | 138   | 139   | 140   | 151   | 165   | 142   | 142   | 142   | 153   | 167   | 145   | 146   | 144   | 155   | 169   |
| 835  | MBh†  | 27.50 | 27.89 | 28.29 | 30.54 | 33.58 | 24.72 | 24.90 | 25.22 | 27.22 | 29.93 | 22.00 | 22.03 | 22.23 | 24.00 | 26.39 | 19.36 | 19.39 | 19.35 | 20.90 | 23.00 | 16.81 | 16.84 | 16.61 | 17.95 | 19.77 |
|  | S/T‡  | 1.00  | 0.93  | 0.73  | 0.71  | 0.52  | 1.00  | 0.94  | 0.75  | 0.72  | 0.52  | 1.00  | 1.00  | 0.76  | 0.73  | 0.53  | 1.00  | 1.00  | 0.77  | 0.75  | 0.54  | 1.00  | 1.00  | 0.79  | 0.77  | 0.54  |
|  | AMPS* | 7.15  | 7.16  | 7.18  | 7.23  | 7.30  | 7.55  | 7.55  | 7.56  | 7.61  | 7.67  | 7.97  | 7.98  | 7.98  | 8.03  | 8.09  | 8.46  | 8.46  | 8.46  | 8.50  | 8.57  | 9.01  | 9.01  | 9.01  | 9.05  | 9.12  |
|  | HI PR | 263   | 263   | 264   | 266   | 269   | 305   | 306   | 306   | 309   | 312   | 352   | 352   | 352   | 355   | 359   | 403   | 403   | 403   | 406   | 411   | 459   | 459   | 459   | 462   | 467   |
|  | LO PR | 134   | 136   | 137   | 148   | 162   | 137   | 138   | 139   | 150   | 164   | 140   | 140   | 141   | 152   | 166   | 144   | 144   | 143   | 154   | 168   | 147   | 147   | 145   | 156   | 170   |
| 900  | MBh†  | 28.17 | 28.32 | 28.63 | 30.88 | 33.93 | 25.31 | 25.34 | 25.50 | 27.51 | 30.22 | 22.51 | 22.55 | 22.47 | 24.24 | 26.64 | 19.79 | 19.82 | 19.55 | 21.10 | 23.20 | 17.18 | 17.20 | 16.77 | 18.11 | 19.92 |
|  | S/T‡  | 1.00  | 0.95  | 0.75  | 0.73  | 0.53  | 1.00  | 1.00  | 0.77  | 0.74  | 0.53  | 1.00  | 1.00  | 0.78  | 0.76  | 0.54  | 1.00  | 1.00  | 0.80  | 0.77  | 0.55  | 1.00  | 1.00  | 0.81  | 0.79  | 0.56  |
|  | AMPS* | 7.22  | 7.22  | 7.23  | 7.28  | 7.35  | 7.61  | 7.61  | 7.61  | 7.66  | 7.72  | 8.03  | 8.03  | 8.03  | 8.07  | 8.13  | 8.51  | 8.51  | 8.51  | 8.55  | 8.61  | 9.06  | 9.06  | 9.05  | 9.10  | 9.16  |
|  | HI PR | 264   | 264   | 264   | 267   | 270   | 306   | 306   | 307   | 309   | 313   | 353   | 353   | 353   | 356   | 360   | 404   | 404   | 403   | 407   | 411   | 460   | 460   | 459   | 462   | 467   |
|  | LO PR | 138   | 138   | 139   | 150   | 164   | 140   | 141   | 141   | 152   | 166   | 144   | 144   | 143   | 154   | 167   | 147   | 147   | 145   | 156   | 169   | 151   | 151   | 147   | 158   | 171   |

† Total capacities are net (I.D blower heat subtracted) system capacities based on 25' line set.

If additional tubing length and/or indoor unit is located above outdoor unit, a slight variation in capacity may occur.

\* System amps are total of indoor and outdoor amps

‡ S/T are based on 80 F db entering air at the indoor coil. For sensible capacities at other than 80 F db, deduct 835 Btuh per 1000 cfm of indoor coil air from MBhS/T for each degree below 80 F, or add 835 Btuh per 1000 cfm of indoor coil air from MBhS/T for each degree above 80 F

†† At TVA rating indoor condition (75 F db/ 63 F wb), All other indoor air temperatures are at 80 F db

## SIZE 24 EXPANDED DATA

| Low Stage 24 Size Outdoor With EN(A,D)4X31*17**+*8MV*0901716** Indoor Cooling |       |   |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|---|-------|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Outdoor Ambient Temperature - Degrees F, Dry Bulb                             |       |   |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|   |       | 75  |       |       |       |       | 85    |       |       |       |       | 95    |       |       |       |       | 105   |       |       |       |       | 115   |       |       |       |       |
|   |       | Entering Indoor Temperature - Degrees F, Wet Bulb |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| CFM   |       | 57  | 62    | 63††  | 67    | 72    | 57    | 62    | 63††  | 67    | 72    | 57    | 62    | 63††  | 67    | 72    | 57    | 62    | 63††  | 67    | 72    | 57    | 62    | 63††  | 67    | 72    |
| 500   | MBh†  | 17.62   | 18.73 | 19.10 | 20.70 | 22.95 | 16.16 | 17.00 | 17.34 | 18.79 | 20.84 | 14.68 | 15.27 | 15.56 | 16.89 | 18.74 | 13.20 | 13.57 | 13.83 | 15.02 | 16.71 | 11.79 | 11.95 | 12.16 | 13.24 | 14.76 |
|   | S/T‡  | 1.00  | 0.84  | 0.68  | 0.65  | 0.49  | 1.00  | 0.83  | 0.67  | 0.64  | 0.48  | 1.00  | 0.82  | 0.66  | 0.63  | 0.47  | 1.00  | 0.81  | 0.65  | 0.62  | 0.46  | 1.00  | 0.80  | 0.63  | 0.61  | 0.44  |
|   | AMPS* | 4.57  | 4.53  | 4.52  | 4.45  | 4.35  | 5.44  | 5.40  | 5.39  | 5.31  | 5.21  | 6.45  | 6.42  | 6.41  | 6.33  | 6.24  | 7.63  | 7.61  | 7.60  | 7.54  | 7.46  | 9.00  | 8.99  | 8.99  | 8.94  | 8.88  |
|   | HI PR | 248   | 249   | 249   | 251   | 254   | 288   | 289   | 290   | 292   | 295   | 333   | 334   | 334   | 337   | 340   | 383   | 383   | 383   | 386   | 389   | 436   | 437   | 437   | 440   | 443   |
|   | LO PR | 122   | 129   | 131   | 141   | 155   | 125   | 131   | 133   | 143   | 157   | 129   | 133   | 135   | 146   | 160   | 133   | 136   | 138   | 148   | 162   | 137   | 139   | 140   | 151   | 165   |
| 550   | MBh†  | 18.38   | 19.20 | 19.56 | 21.19 | 23.47 | 16.84 | 17.41 | 17.73 | 19.21 | 21.29 | 15.28 | 15.63 | 15.90 | 17.25 | 19.13 | 13.74 | 13.90 | 14.11 | 15.33 | 17.03 | 12.25 | 12.28 | 12.40 | 13.49 | 15.02 |
|   | S/T‡  | 1.00  | 0.87  | 0.70  | 0.67  | 0.50  | 1.00  | 0.86  | 0.69  | 0.67  | 0.49  | 1.00  | 0.86  | 0.68  | 0.66  | 0.48  | 1.00  | 0.85  | 0.67  | 0.65  | 0.47  | 1.00  | 1.00  | 0.66  | 0.63  | 0.46  |
|   | AMPS* | 4.56  | 4.53  | 4.52  | 4.45  | 4.35  | 5.43  | 5.40  | 5.39  | 5.31  | 5.21  | 6.44  | 6.42  | 6.41  | 6.34  | 6.24  | 7.62  | 7.62  | 7.61  | 7.55  | 7.47  | 9.00  | 9.00  | 9.01  | 8.96  | 8.90  |
|   | HI PR | 249   | 250   | 250   | 252   | 254   | 289   | 290   | 291   | 292   | 295   | 334   | 335   | 335   | 337   | 340   | 383   | 384   | 384   | 386   | 390   | 437   | 438   | 438   | 441   | 444   |
|   | LO PR | 127   | 132   | 134   | 144   | 158   | 130   | 134   | 136   | 146   | 160   | 134   | 136   | 138   | 149   | 163   | 138   | 139   | 140   | 151   | 165   | 142   | 142   | 143   | 154   | 168   |
| 600   | MBh†  | 19.06   | 19.60 | 19.94 | 21.60 | 23.90 | 17.44 | 17.77 | 18.06 | 19.57 | 21.66 | 15.81 | 15.96 | 16.18 | 17.55 | 19.44 | 14.21 | 14.23 | 14.34 | 15.58 | 17.29 | 12.66 | 12.68 | 12.59 | 13.70 | 15.24 |
|   | S/T‡  | 1.00  | 0.90  | 0.72  | 0.69  | 0.51  | 1.00  | 0.90  | 0.71  | 0.69  | 0.50  | 1.00  | 0.89  | 0.70  | 0.68  | 0.49  | 1.00  | 1.00  | 0.69  | 0.67  | 0.48  | 1.00  | 1.00  | 0.68  | 0.66  | 0.47  |
|   | AMPS* | 4.56  | 4.54  | 4.53  | 4.45  | 4.35  | 5.42  | 5.41  | 5.40  | 5.32  | 5.22  | 6.44  | 6.43  | 6.42  | 6.35  | 6.25  | 7.62  | 7.62  | 7.63  | 7.56  | 7.48  | 9.01  | 9.01  | 9.03  | 8.98  | 8.91  |
|   | HI PR | 249   | 250   | 250   | 252   | 255   | 290   | 291   | 291   | 293   | 296   | 335   | 335   | 336   | 338   | 341   | 384   | 384   | 385   | 387   | 390   | 438   | 439   | 439   | 441   | 445   |
|   | LO PR | 131   | 135   | 136   | 147   | 161   | 134   | 137   | 138   | 149   | 163   | 138   | 139   | 140   | 151   | 166   | 142   | 142   | 143   | 154   | 168   | 146   | 146   | 145   | 156   | 170   |
| 650   | MBh†  | 19.66   | 19.96 | 20.26 | 21.94 | 24.26 | 17.98 | 18.11 | 18.33 | 19.86 | 21.96 | 16.28 | 16.31 | 16.41 | 17.80 | 19.70 | 14.62 | 14.65 | 14.54 | 15.79 | 17.50 | 13.02 | 13.04 | 12.76 | 13.88 | 15.41 |
|   | S/T‡  | 1.00  | 0.93  | 0.74  | 0.71  | 0.52  | 1.00  | 0.93  | 0.73  | 0.71  | 0.51  | 1.00  | 1.00  | 0.73  | 0.70  | 0.50  | 1.00  | 1.00  | 0.72  | 0.69  | 0.49  | 1.00  | 1.00  | 0.71  | 0.68  | 0.48  |
|   | AMPS* | 4.56  | 4.54  | 4.54  | 4.46  | 4.36  | 5.42  | 5.41  | 5.41  | 5.33  | 5.23  | 6.43  | 6.43  | 6.44  | 6.36  | 6.26  | 7.63  | 7.63  | 7.64  | 7.57  | 7.50  | 9.03  | 9.03  | 9.05  | 8.99  | 8.94  |
|   | HI PR | 250   | 250   | 251   | 253   | 255   | 291   | 291   | 291   | 293   | 296   | 336   | 336   | 336   | 338   | 341   | 385   | 385   | 385   | 387   | 391   | 439   | 440   | 439   | 442   | 445   |
|   | LO PR | 135   | 137   | 139   | 149   | 164   | 138   | 139   | 140   | 151   | 166   | 142   | 142   | 142   | 153   | 168   | 146   | 146   | 145   | 156   | 170   | 150   | 150   | 147   | 158   | 172   |
| 700   | MBh†  | 20.20   | 20.31 | 20.54 | 22.24 | 24.57 | 18.46 | 18.49 | 18.58 | 20.11 | 22.22 | 16.71 | 16.74 | 16.62 | 18.01 | 19.91 | 15.00 | 15.02 | 14.72 | 15.97 | 17.68 | 13.35 | 13.37 | 12.90 | 14.03 | 15.56 |
|   | S/T‡  | 1.00  | 0.96  | 0.76  | 0.74  | 0.53  | 1.00  | 1.00  | 0.76  | 0.73  | 0.53  | 1.00  | 1.00  | 0.75  | 0.72  | 0.52  | 1.00  | 1.00  | 0.74  | 0.72  | 0.51  | 1.00  | 1.00  | 0.73  | 0.71  | 0.50  |
|   | AMPS* | 4.55  | 4.55  | 4.55  | 4.47  | 4.37  | 5.42  | 5.42  | 5.42  | 5.34  | 5.24  | 6.44  | 6.44  | 6.45  | 6.37  | 6.28  | 7.64  | 7.63  | 7.66  | 7.59  | 7.51  | 9.04  | 9.04  | 9.07  | 9.02  | 8.96  |
|   | HI PR | 251   | 251   | 251   | 253   | 255   | 291   | 292   | 292   | 294   | 297   | 337   | 337   | 336   | 339   | 342   | 386   | 386   | 385   | 388   | 391   | 440   | 440   | 439   | 442   | 446   |
|   | LO PR | 139   | 140   | 140   | 151   | 166   | 142   | 142   | 142   | 153   | 168   | 146   | 146   | 144   | 155   | 170   | 149   | 150   | 146   | 158   | 172   | 153   | 154   | 149   | 160   | 174   |

† Total capacities are net (I.D blower heat subtracted) system capacities based on 25' line set.  
 If additional tubing length and/or indoor unit is located above outdoor unit, a slight variation in capacity may occur.  
 \* System amps are total of indoor and outdoor amps  
 ‡ S/T are based on 80 F db entering air at the indoor coil. For sensible capacities at other than 80 F db, deduct 835 Btuh per 1000 cfm of indoor coil air from MBhxS/T for each degree below 80 F, or add 835 Btuh per 1000 cfm of indoor coil air from MBhxS/T for each degree above 80 F  
 †† At TVA rating indoor condition (75 F db/ 63 F wb), All other indoor air temperatures are at 80 F db

Specifications subject to change without notice.

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**SIZE 36 EXPANDED DATA**

| High Stage 36 Outdoor With EN(A,D,W)4X48*21**+8MV*0901716** Indoor Cooling |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Outdoor Ambient Temperature - Degrees F, Dry Bulb                          |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 75   |       |       |       |       | 85    |       |       |       |       | 95    |       |       |       |       | 105   |       |       |       |       | 115   |       |       |       |       |       |       |
| Entering Indoor Temperature - Degrees F, Wet Bulb                          |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| CFM  |       | 57    | 62    | 63††  | 67    | 72    | 57    | 62    | 63††  | 67    | 72    | 57    | 62    | 63††  | 67    | 72    | 57    | 62    | 63††  | 67    | 72    | 57    | 62    | 63††  | 67    | 72    |
| 900  | MBh†  | 35.84 | 38.02 | 38.77 | 41.84 | 46.07 | 33.31 | 35.06 | 35.74 | 38.59 | 42.48 | 30.78 | 32.11 | 32.71 | 35.31 | 38.88 | 28.23 | 29.14 | 29.66 | 32.02 | 35.25 | 25.63 | 26.15 | 26.58 | 28.69 | 31.59 |
|  | S/T‡  | 1.00  | 0.83  | 0.67  | 0.65  | 0.49  | 1.00  | 0.85  | 0.69  | 0.66  | 0.49  | 1.00  | 0.87  | 0.70  | 0.67  | 0.50  | 1.00  | 0.90  | 0.72  | 0.69  | 0.51  | 1.00  | 0.93  | 0.74  | 0.71  | 0.52  |
|  | AMPS* | 9.90  | 9.98  | 10.01 | 10.14 | 10.32 | 10.76 | 10.83 | 10.86 | 10.96 | 11.11 | 11.76 | 11.81 | 11.84 | 11.93 | 12.06 | 12.89 | 12.93 | 12.95 | 13.04 | 13.16 | 14.17 | 14.18 | 14.20 | 14.28 | 14.40 |
|  | HI PR | 269   | 271   | 272   | 276   | 280   | 311   | 314   | 315   | 318   | 323   | 357   | 360   | 361   | 365   | 370   | 408   | 410   | 411   | 416   | 421   | 464   | 465   | 466   | 470   | 476   |
|  | LO PR | 118   | 125   | 127   | 137   | 150   | 121   | 127   | 129   | 139   | 153   | 124   | 129   | 131   | 141   | 155   | 128   | 132   | 134   | 144   | 158   | 132   | 135   | 136   | 147   | 161   |
| 975  | MBh†  | 36.91 | 38.68 | 39.40 | 42.51 | 46.76 | 34.29 | 35.66 | 36.30 | 39.17 | 43.10 | 31.67 | 32.63 | 33.20 | 35.82 | 39.41 | 29.01 | 29.60 | 30.07 | 32.44 | 35.69 | 26.31 | 26.56 | 26.93 | 29.04 | 31.95 |
|  | S/T‡  | 1.00  | 0.85  | 0.69  | 0.66  | 0.49  | 1.00  | 0.87  | 0.70  | 0.67  | 0.50  | 1.00  | 0.89  | 0.71  | 0.69  | 0.51  | 1.00  | 0.92  | 0.73  | 0.71  | 0.52  | 1.00  | 0.96  | 0.76  | 0.73  | 0.53  |
|  | AMPS* | 10.00 | 10.07 | 10.10 | 10.23 | 10.41 | 10.86 | 10.92 | 10.94 | 11.05 | 11.20 | 11.86 | 11.89 | 11.91 | 12.01 | 12.14 | 12.98 | 13.01 | 13.02 | 13.11 | 13.24 | 14.24 | 14.26 | 14.27 | 14.36 | 14.47 |
|  | HI PR | 270   | 272   | 273   | 276   | 281   | 313   | 315   | 315   | 319   | 324   | 359   | 361   | 362   | 366   | 371   | 410   | 411   | 412   | 416   | 422   | 466   | 466   | 467   | 471   | 477   |
|  | LO PR | 122   | 127   | 129   | 139   | 153   | 125   | 129   | 131   | 141   | 155   | 128   | 132   | 133   | 144   | 157   | 132   | 134   | 136   | 146   | 160   | 136   | 137   | 138   | 149   | 163   |
| 1005   | MBh†  | 37.31 | 38.93 | 39.63 | 42.75 | 47.01 | 34.65 | 35.87 | 36.51 | 39.37 | 43.32 | 31.99 | 32.83 | 33.38 | 36.00 | 39.60 | 29.30 | 29.77 | 30.22 | 32.59 | 35.85 | 26.56 | 26.72 | 27.05 | 29.17 | 32.08 |
|  | S/T‡  | 1.00  | 0.86  | 0.69  | 0.67  | 0.50  | 1.00  | 0.88  | 0.71  | 0.68  | 0.50  | 1.00  | 0.90  | 0.72  | 0.70  | 0.51  | 1.00  | 0.93  | 0.74  | 0.71  | 0.52  | 1.00  | 0.97  | 0.76  | 0.74  | 0.54  |
|  | AMPS* | 10.04 | 10.11 | 10.14 | 10.27 | 10.45 | 10.90 | 10.95 | 10.97 | 11.08 | 11.23 | 11.89 | 11.92 | 11.94 | 12.04 | 12.17 | 13.02 | 13.04 | 13.05 | 13.14 | 13.27 | 14.28 | 14.29 | 14.30 | 14.38 | 14.50 |
|  | HI PR | 271   | 273   | 273   | 277   | 281   | 313   | 315   | 316   | 319   | 324   | 360   | 361   | 362   | 366   | 371   | 411   | 412   | 412   | 417   | 422   | 466   | 467   | 467   | 472   | 477   |
|  | LO PR | 123   | 128   | 130   | 140   | 154   | 126   | 130   | 132   | 142   | 156   | 129   | 132   | 134   | 144   | 158   | 133   | 135   | 136   | 147   | 161   | 137   | 138   | 139   | 150   | 164   |
| 1200   | MBh†  | 39.58 | 40.28 | 40.84 | 44.00 | 48.33 | 36.72 | 37.11 | 37.56 | 40.46 | 44.46 | 33.84 | 33.98 | 34.29 | 36.93 | 40.57 | 30.92 | 30.97 | 31.00 | 33.39 | 36.66 | 27.97 | 28.01 | 27.69 | 29.82 | 32.73 |
|  | S/T‡  | 1.00  | 0.92  | 0.73  | 0.70  | 0.52  | 1.00  | 0.94  | 0.74  | 0.72  | 0.52  | 1.00  | 0.96  | 0.76  | 0.74  | 0.53  | 1.00  | 1.00  | 0.79  | 0.76  | 0.55  | 1.00  | 1.00  | 0.82  | 0.79  | 0.56  |
|  | AMPS* | 10.30 | 10.33 | 10.35 | 10.48 | 10.67 | 11.14 | 11.15 | 11.17 | 11.28 | 11.44 | 12.12 | 12.12 | 12.13 | 12.23 | 12.37 | 13.23 | 13.24 | 13.23 | 13.33 | 13.45 | 14.49 | 14.49 | 14.47 | 14.56 | 14.68 |
|  | HI PR | 273   | 274   | 275   | 278   | 283   | 316   | 317   | 317   | 321   | 326   | 363   | 363   | 364   | 368   | 373   | 414   | 414   | 414   | 418   | 424   | 469   | 470   | 469   | 473   | 479   |
|  | LO PR | 131   | 133   | 135   | 145   | 159   | 134   | 135   | 136   | 147   | 161   | 137   | 138   | 138   | 149   | 163   | 141   | 141   | 140   | 151   | 165   | 145   | 145   | 143   | 154   | 168   |
| 1350   | MBh†  | 41.01 | 41.19 | 41.54 | 44.70 | 49.07 | 38.01 | 38.05 | 38.18 | 41.09 | 45.10 | 34.98 | 35.03 | 34.82 | 37.47 | 41.11 | 31.93 | 31.97 | 31.44 | 33.83 | 37.11 | 28.84 | 28.88 | 28.06 | 30.19 | 33.08 |
|  | S/T‡  | 1.00  | 0.96  | 0.76  | 0.73  | 0.53  | 1.00  | 1.00  | 0.78  | 0.75  | 0.54  | 1.00  | 1.00  | 0.80  | 0.77  | 0.55  | 1.00  | 1.00  | 0.82  | 0.80  | 0.57  | 1.00  | 1.00  | 0.85  | 0.83  | 0.59  |
|  | AMPS* | 10.49 | 10.49 | 10.50 | 10.64 | 10.83 | 11.31 | 11.31 | 11.31 | 11.43 | 11.59 | 12.28 | 12.28 | 12.27 | 12.37 | 12.51 | 13.39 | 13.39 | 13.37 | 13.46 | 13.59 | 14.64 | 14.64 | 14.60 | 14.69 | 14.81 |
|  | HI PR | 275   | 275   | 276   | 279   | 284   | 318   | 318   | 318   | 322   | 327   | 365   | 365   | 365   | 369   | 374   | 416   | 416   | 415   | 419   | 425   | 472   | 472   | 470   | 474   | 480   |
|  | LO PR | 136   | 137   | 137   | 148   | 161   | 139   | 139   | 139   | 149   | 163   | 142   | 142   | 141   | 151   | 165   | 146   | 146   | 143   | 154   | 168   | 150   | 150   | 145   | 156   | 170   |

† Total capacities are net (I.D blower heat subtracted) system capacities based on 25' line set.

If additional tubing length and/or indoor unit is located above outdoor unit, a slight variation in capacity may occur.

\* System amps are total of indoor and outdoor amps

‡ S/T are based on 80 F db entering air at the indoor coil. For sensible capacities at other than 80 F db, deduct 835 Btuh per 1000 cfm of indoor coil air from MBhxS/T for each degree below 80 F, or add 835 Btuh per 1000 cfm of indoor coil air from MBhxS/T for each degree above 80 F

†† At TVA rating indoor condition (75 F db/ 63 F wb), All other indoor air temperatures are at 80 F db

SIZE 36 EXPANDED DATA

| Low Stage 36 Outdoor With EN(A,D,W)4X48*21**+8MV*0901716** Indoor Cooling |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Outdoor Ambient Temperature - Degrees F, Dry Bulb                         |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 75  |       |       |       |       | 85    |       |       |       |       | 95    |       |       |       |       | 105   |       |       |       |       | 115   |       |       |       |       |       |       |
| Entering Indoor Temperature - Degrees F, Wet Bulb                         |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| CFM   |       | 57    | 62    | 63††  | 67    | 72    | 57    | 62    | 63††  | 67    | 72    | 57    | 62    | 63††  | 67    | 72    | 57    | 62    | 63††  | 67    | 72    | 57    | 62    | 63††  | 67    | 72    |
| 720   | MBh†  | 26.16 | 27.22 | 27.75 | 30.15 | 33.42 | 24.56 | 25.33 | 25.81 | 28.03 | 31.06 | 22.93 | 23.44 | 23.86 | 25.90 | 28.71 | 21.26 | 21.51 | 21.86 | 23.75 | 26.32 | 19.53 | 19.57 | 19.80 | 21.53 | 23.88 |
|   | S/T‡  | 1.00  | 0.88  | 0.70  | 0.67  | 0.50  | 1.00  | 0.86  | 0.69  | 0.66  | 0.49  | 1.00  | 0.84  | 0.67  | 0.65  | 0.47  | 1.00  | 0.83  | 0.65  | 0.63  | 0.46  | 1.00  | 1.00  | 0.64  | 0.61  | 0.44  |
|   | AMPS* | 6.58  | 6.55  | 6.53  | 6.45  | 6.35  | 7.59  | 7.57  | 7.56  | 7.49  | 7.39  | 8.78  | 8.77  | 8.76  | 8.69  | 8.60  | 10.18 | 10.17 | 10.16 | 10.09 | 10.00 | 11.80 | 11.80 | 11.80 | 11.72 | 11.62 |
|   | HI PR | 254   | 255   | 256   | 259   | 262   | 295   | 296   | 297   | 300   | 303   | 340   | 341   | 342   | 345   | 349   | 390   | 390   | 391   | 394   | 398   | 444   | 444   | 444   | 448   | 452   |
|   | LO PR | 127   | 132   | 134   | 144   | 158   | 130   | 134   | 136   | 146   | 160   | 133   | 136   | 138   | 148   | 162   | 137   | 138   | 140   | 151   | 165   | 141   | 141   | 142   | 153   | 167   |
| 780   | MBh†  | 26.97 | 27.71 | 28.20 | 30.62 | 33.92 | 25.30 | 25.78 | 26.21 | 28.44 | 31.51 | 23.60 | 23.85 | 24.21 | 26.27 | 29.09 | 21.87 | 21.92 | 22.17 | 24.06 | 26.65 | 20.07 | 20.11 | 20.07 | 21.79 | 24.16 |
|   | S/T‡  | 1.00  | 0.90  | 0.72  | 0.69  | 0.51  | 1.00  | 0.89  | 0.70  | 0.68  | 0.50  | 1.00  | 0.87  | 0.69  | 0.66  | 0.48  | 1.00  | 1.00  | 0.67  | 0.65  | 0.47  | 1.00  | 1.00  | 0.66  | 0.63  | 0.45  |
|   | AMPS* | 6.59  | 6.56  | 6.55  | 6.47  | 6.36  | 7.60  | 7.59  | 7.58  | 7.51  | 7.41  | 8.79  | 8.79  | 8.78  | 8.71  | 8.62  | 10.19 | 10.19 | 10.18 | 10.11 | 10.03 | 11.81 | 11.81 | 11.82 | 11.74 | 11.65 |
|   | HI PR | 255   | 256   | 256   | 259   | 262   | 296   | 297   | 297   | 300   | 304   | 341   | 342   | 342   | 345   | 349   | 391   | 391   | 391   | 395   | 399   | 445   | 445   | 445   | 448   | 453   |
|   | LO PR | 131   | 134   | 136   | 146   | 160   | 134   | 136   | 138   | 148   | 162   | 137   | 138   | 140   | 150   | 164   | 141   | 141   | 142   | 153   | 167   | 145   | 145   | 144   | 155   | 169   |
| 835   | MBh†  | 27.64 | 28.12 | 28.57 | 30.99 | 34.32 | 25.91 | 26.16 | 26.54 | 28.78 | 31.86 | 24.16 | 24.23 | 24.49 | 26.56 | 29.39 | 22.37 | 22.41 | 22.41 | 24.30 | 26.91 | 20.52 | 20.55 | 20.28 | 22.00 | 24.38 |
|   | S/T‡  | 1.00  | 0.93  | 0.73  | 0.71  | 0.52  | 1.00  | 0.91  | 0.72  | 0.69  | 0.50  | 1.00  | 0.99  | 0.70  | 0.68  | 0.49  | 1.00  | 1.00  | 0.69  | 0.67  | 0.48  | 1.00  | 1.00  | 0.67  | 0.65  | 0.46  |
|   | AMPS* | 6.59  | 6.58  | 6.57  | 6.49  | 6.38  | 7.61  | 7.61  | 7.60  | 7.53  | 7.43  | 8.81  | 8.81  | 8.80  | 8.73  | 8.64  | 10.20 | 10.20 | 10.20 | 10.14 | 10.05 | 11.82 | 11.83 | 11.84 | 11.77 | 11.67 |
|   | HI PR | 256   | 256   | 257   | 259   | 263   | 297   | 297   | 298   | 301   | 304   | 342   | 342   | 343   | 346   | 350   | 392   | 392   | 392   | 395   | 399   | 446   | 446   | 445   | 449   | 453   |
|   | LO PR | 134   | 136   | 138   | 148   | 162   | 137   | 138   | 139   | 150   | 164   | 140   | 141   | 141   | 152   | 166   | 144   | 144   | 143   | 154   | 168   | 148   | 148   | 146   | 157   | 171   |
| 960   | MBh†  | 28.98 | 29.01 | 29.25 | 31.69 | 35.05 | 27.13 | 27.17 | 27.14 | 29.39 | 32.49 | 25.27 | 25.30 | 25.03 | 27.09 | 29.94 | 23.35 | 23.39 | 22.87 | 24.76 | 27.37 | 21.38 | 21.41 | 20.67 | 22.39 | 24.76 |
|   | S/T‡  | 1.00  | 1.00  | 0.77  | 0.74  | 0.54  | 1.00  | 1.00  | 0.76  | 0.73  | 0.52  | 1.00  | 1.00  | 0.74  | 0.72  | 0.51  | 1.00  | 1.00  | 0.73  | 0.71  | 0.50  | 1.00  | 1.00  | 0.71  | 0.69  | 0.49  |
|   | AMPS* | 6.62  | 6.62  | 6.61  | 6.53  | 6.42  | 7.64  | 7.64  | 7.65  | 7.58  | 7.48  | 8.84  | 8.84  | 8.85  | 8.79  | 8.70  | 10.24 | 10.24 | 10.26 | 10.19 | 10.10 | 11.86 | 11.86 | 11.90 | 11.82 | 11.73 |
|   | HI PR | 257   | 257   | 258   | 260   | 264   | 299   | 299   | 299   | 301   | 305   | 344   | 344   | 343   | 347   | 351   | 393   | 394   | 393   | 396   | 400   | 448   | 448   | 446   | 450   | 454   |
|   | LO PR | 140   | 140   | 141   | 152   | 165   | 143   | 143   | 143   | 153   | 167   | 146   | 146   | 145   | 155   | 169   | 150   | 150   | 146   | 157   | 171   | 154   | 154   | 149   | 159   | 173   |
| 1080  | MBh†  | 30.06 | 30.11 | 29.77 | 32.21 | 35.58 | 28.11 | 28.15 | 27.60 | 29.85 | 32.95 | 26.14 | 26.18 | 25.42 | 27.49 | 30.34 | 24.13 | 24.16 | 23.22 | 25.11 | 27.70 | 22.07 | 22.10 | 20.98 | 22.70 | 25.03 |
|   | S/T‡  | 1.00  | 1.00  | 0.80  | 0.78  | 0.55  | 1.00  | 1.00  | 0.79  | 0.77  | 0.54  | 1.00  | 1.00  | 0.78  | 0.76  | 0.53  | 1.00  | 1.00  | 0.76  | 0.74  | 0.52  | 1.00  | 1.00  | 0.75  | 0.73  | 0.51  |
|   | AMPS* | 6.65  | 6.64  | 6.66  | 6.58  | 6.46  | 7.68  | 7.68  | 7.70  | 7.63  | 7.53  | 8.88  | 8.88  | 8.91  | 8.84  | 8.75  | 10.28 | 10.28 | 10.32 | 10.25 | 10.16 | 11.90 | 11.90 | 11.96 | 11.88 | 11.79 |
|   | HI PR | 259   | 259   | 258   | 261   | 264   | 300   | 300   | 299   | 302   | 306   | 345   | 345   | 344   | 347   | 351   | 395   | 395   | 393   | 397   | 401   | 449   | 449   | 447   | 450   | 455   |
|   | LO PR | 145   | 146   | 144   | 154   | 168   | 148   | 148   | 145   | 156   | 170   | 151   | 151   | 147   | 158   | 172   | 154   | 155   | 149   | 160   | 173   | 158   | 158   | 151   | 162   | 176   |

† Total capacities are net (I.D blower heat subtracted) system capacities based on 25' line set.

If additional tubing length and/or indoor unit is located above outdoor unit, a slight variation in capacity may occur.

\* System amps are total of indoor and outdoor amps

‡ S/T are based on 80 F db entering air at the indoor coil. For sensible capacities at other than 80 F db, deduct 835 Btuh per 1000 cfm of indoor coil air from MBhxS/T for each degree below 80 F, or add 835 Btuh per 1000 cfm of indoor coil air from MBhxS/T for each degree above 80 F

†† At TVA rating indoor condition (75 F db/ 63 F wb), All other indoor air temperatures are at 80 F db

**SIZE 48 EXPANDED DATA**

| High Stage 48 Size Outdoor With EN(A,D)4X61*24**+*8MV*1352422** Indoor Cooling |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Outdoor Ambient Temperature - Degrees F, Dry Bulb                              |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 75   |       |       |       |       | 85    |       |       |       |       | 95    |       |       |       |       | 105   |       |       |       |       | 115   |       |       |       |       |       |       |
| Entering Indoor Temperature - Degrees F, Wet Bulb                              |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| CFM  | 57    | 62    | 63††  | 67    | 72    | 57    | 62    | 63††  | 67    | 72    | 57    | 62    | 63††  | 67    | 72    | 57    | 62    | 63††  | 67    | 72    | 57    | 62    | 63††  | 67    | 72    |       |
| 1200   | MBh†  | 47.30 | 50.25 | 51.23 | 55.28 | 60.74 | 44.22 | 46.59 | 47.48 | 51.21 | 56.26 | 41.02 | 42.79 | 43.59 | 47.04 | 51.68 | 37.80 | 39.01 | 39.71 | 42.87 | 47.07 | 34.62 | 35.32 | 35.92 | 38.78 | 42.67 |
|  | S/T‡  | 1.00  | 0.83  | 0.67  | 0.65  | 0.49  | 1.00  | 0.85  | 0.68  | 0.66  | 0.49  | 1.00  | 0.87  | 0.69  | 0.67  | 0.50  | 1.00  | 0.89  | 0.71  | 0.68  | 0.50  | 1.00  | 0.91  | 0.72  | 0.70  | 0.51  |
|  | AMPS* | 12.65 | 12.72 | 12.74 | 12.83 | 12.93 | 14.05 | 14.12 | 14.14 | 14.23 | 14.35 | 15.69 | 15.74 | 15.77 | 15.87 | 15.99 | 17.58 | 17.63 | 17.65 | 17.77 | 17.91 | 19.81 | 19.85 | 19.87 | 20.02 | 20.21 |
|  | HI PR | 258   | 260   | 260   | 263   | 265   | 300   | 301   | 302   | 304   | 308   | 346   | 348   | 348   | 351   | 354   | 397   | 398   | 398   | 401   | 405   | 451   | 452   | 453   | 456   | 461   |
|  | LO PR | 119   | 127   | 129   | 139   | 152   | 122   | 129   | 131   | 141   | 155   | 126   | 131   | 133   | 143   | 157   | 130   | 134   | 135   | 146   | 160   | 134   | 136   | 138   | 149   | 163   |
| 1300   | MBh†  | 48.75 | 51.12 | 52.07 | 56.14 | 61.64 | 45.52 | 47.36 | 48.22 | 51.97 | 57.05 | 42.20 | 43.48 | 44.23 | 47.69 | 52.36 | 38.85 | 39.61 | 40.26 | 43.42 | 47.70 | 35.56 | 35.87 | 36.38 | 39.25 | 43.13 |
|  | S/T‡  | 1.00  | 0.85  | 0.69  | 0.66  | 0.50  | 1.00  | 0.87  | 0.70  | 0.67  | 0.50  | 1.00  | 0.89  | 0.71  | 0.68  | 0.51  | 1.00  | 0.91  | 0.72  | 0.70  | 0.51  | 1.00  | 0.94  | 0.74  | 0.72  | 0.52  |
|  | AMPS* | 12.79 | 12.84 | 12.86 | 12.95 | 13.04 | 14.19 | 14.24 | 14.26 | 14.36 | 14.47 | 15.83 | 15.87 | 15.89 | 15.99 | 16.12 | 17.73 | 17.76 | 17.76 | 17.89 | 18.05 | 19.96 | 19.98 | 20.00 | 20.14 | 20.32 |
|  | HI PR | 259   | 260   | 261   | 263   | 266   | 301   | 302   | 302   | 305   | 308   | 347   | 348   | 349   | 351   | 355   | 398   | 398   | 398   | 402   | 406   | 452   | 453   | 453   | 457   | 461   |
|  | LO PR | 123   | 129   | 131   | 141   | 155   | 126   | 131   | 133   | 143   | 157   | 130   | 133   | 135   | 146   | 160   | 133   | 136   | 138   | 148   | 162   | 137   | 139   | 140   | 151   | 165   |
| 1355   | MBh†  | 49.48 | 51.56 | 52.48 | 56.56 | 62.08 | 46.20 | 47.74 | 48.57 | 52.33 | 57.42 | 42.80 | 43.82 | 44.54 | 48.00 | 52.68 | 39.39 | 39.92 | 40.53 | 43.69 | 47.97 | 36.03 | 36.17 | 36.60 | 39.47 | 43.35 |
|  | S/T‡  | 1.00  | 0.87  | 0.70  | 0.67  | 0.50  | 1.00  | 0.88  | 0.71  | 0.68  | 0.50  | 1.00  | 0.90  | 0.72  | 0.69  | 0.51  | 1.00  | 0.93  | 0.73  | 0.71  | 0.52  | 1.00  | 0.96  | 0.75  | 0.73  | 0.53  |
|  | AMPS* | 12.86 | 12.91 | 12.93 | 13.01 | 13.10 | 14.27 | 14.31 | 14.33 | 14.42 | 14.53 | 15.90 | 15.93 | 15.95 | 16.05 | 16.18 | 17.80 | 17.82 | 17.84 | 17.96 | 18.12 | 20.04 | 20.05 | 20.07 | 20.21 | 20.39 |
|  | HI PR | 259   | 261   | 261   | 263   | 266   | 302   | 303   | 303   | 306   | 309   | 348   | 349   | 349   | 352   | 355   | 398   | 398   | 399   | 402   | 406   | 453   | 453   | 454   | 457   | 461   |
|  | LO PR | 125   | 130   | 132   | 142   | 156   | 128   | 132   | 134   | 144   | 158   | 132   | 135   | 136   | 147   | 161   | 135   | 137   | 139   | 149   | 163   | 139   | 140   | 141   | 152   | 166   |
| 1500   | MBh†  | 51.23 | 52.58 | 53.41 | 57.51 | 63.05 | 47.78 | 48.66 | 49.38 | 53.15 | 58.27 | 44.22 | 44.65 | 45.25 | 48.71 | 53.40 | 40.65 | 40.72 | 41.12 | 44.29 | 48.57 | 37.14 | 37.19 | 37.11 | 39.97 | 43.85 |
|  | S/T‡  | 1.00  | 0.90  | 0.72  | 0.69  | 0.51  | 1.00  | 0.92  | 0.73  | 0.70  | 0.52  | 1.00  | 0.94  | 0.74  | 0.72  | 0.52  | 1.00  | 1.00  | 0.76  | 0.74  | 0.53  | 1.00  | 1.00  | 0.78  | 0.76  | 0.54  |
|  | AMPS* | 13.04 | 13.07 | 13.09 | 13.17 | 13.26 | 14.46 | 14.48 | 14.50 | 14.59 | 14.69 | 16.09 | 16.10 | 16.12 | 16.22 | 16.35 | 18.00 | 18.00 | 18.02 | 18.13 | 18.29 | 20.25 | 20.25 | 20.24 | 20.38 | 20.57 |
|  | HI PR | 260   | 261   | 262   | 264   | 267   | 303   | 303   | 304   | 306   | 309   | 349   | 349   | 350   | 352   | 356   | 399   | 399   | 400   | 403   | 407   | 454   | 455   | 454   | 458   | 462   |
|  | LO PR | 130   | 133   | 135   | 145   | 159   | 133   | 135   | 137   | 147   | 161   | 136   | 137   | 139   | 149   | 163   | 140   | 140   | 141   | 152   | 166   | 144   | 144   | 143   | 154   | 168   |
| 1600   | MBh†  | 52.31 | 53.20 | 53.95 | 58.05 | 63.61 | 48.75 | 49.23 | 49.85 | 53.63 | 58.75 | 45.10 | 45.22 | 45.65 | 49.12 | 53.81 | 41.42 | 41.48 | 41.47 | 44.64 | 48.91 | 37.81 | 37.86 | 37.40 | 40.26 | 44.12 |
|  | S/T‡  | 1.00  | 0.92  | 0.73  | 0.71  | 0.52  | 1.00  | 0.94  | 0.74  | 0.72  | 0.52  | 1.00  | 0.99  | 0.76  | 0.74  | 0.53  | 1.00  | 1.00  | 0.78  | 0.76  | 0.54  | 1.00  | 1.00  | 0.80  | 0.78  | 0.55  |
|  | AMPS* | 13.17 | 13.19 | 13.20 | 13.28 | 13.37 | 14.59 | 14.60 | 14.61 | 14.70 | 14.80 | 16.22 | 16.22 | 16.24 | 16.34 | 16.46 | 18.13 | 18.13 | 18.13 | 18.25 | 18.41 | 20.38 | 20.39 | 20.36 | 20.50 | 20.69 |
|  | HI PR | 261   | 262   | 262   | 264   | 267   | 304   | 304   | 304   | 307   | 310   | 350   | 350   | 350   | 353   | 357   | 400   | 400   | 400   | 403   | 407   | 455   | 455   | 455   | 458   | 463   |
|  | LO PR | 133   | 135   | 136   | 147   | 161   | 136   | 137   | 138   | 149   | 163   | 139   | 139   | 140   | 151   | 165   | 143   | 143   | 142   | 153   | 167   | 147   | 147   | 145   | 155   | 170   |
| 1700   | MBh†  | 53.29 | 53.79 | 54.43 | 58.53 | 64.10 | 49.64 | 49.81 | 50.27 | 54.05 | 59.16 | 45.88 | 45.95 | 46.01 | 49.47 | 54.15 | 42.12 | 42.18 | 41.77 | 44.94 | 49.20 | 38.42 | 38.47 | 37.65 | 40.51 | 44.36 |
|  | S/T‡  | 1.00  | 0.94  | 0.75  | 0.72  | 0.52  | 1.00  | 0.96  | 0.76  | 0.74  | 0.53  | 1.00  | 1.00  | 0.78  | 0.75  | 0.54  | 1.00  | 1.00  | 0.80  | 0.78  | 0.55  | 1.00  | 1.00  | 0.82  | 0.80  | 0.56  |
|  | AMPS* | 13.29 | 13.30 | 13.31 | 13.39 | 13.47 | 14.71 | 14.71 | 14.72 | 14.81 | 14.91 | 16.35 | 16.35 | 16.35 | 16.45 | 16.57 | 18.26 | 18.26 | 18.25 | 18.36 | 18.52 | 20.52 | 20.52 | 20.48 | 20.62 | 20.81 |
|  | HI PR | 262   | 262   | 262   | 264   | 267   | 304   | 304   | 305   | 307   | 310   | 351   | 351   | 351   | 353   | 357   | 401   | 401   | 401   | 404   | 408   | 456   | 456   | 455   | 459   | 463   |
|  | LO PR | 135   | 137   | 138   | 148   | 162   | 138   | 139   | 140   | 150   | 164   | 142   | 142   | 142   | 152   | 166   | 145   | 146   | 144   | 154   | 169   | 149   | 149   | 146   | 157   | 171   |

† Total capacities are net (I.D blower heat subtracted) system capacities based on 25' line set.  
 If additional tubing length and/or indoor unit is located above outdoor unit, a slight variation in capacity may occur.

\* System amps are total of indoor and outdoor amps

‡ S/T are based on 80 F db entering air at the indoor coil. For sensible capacities at other than 80 F db, deduct 835 Btuh per 1000 cfm of indoor coil air from MBhxS/T for each degree below 80 F, or add 835 Btuh per 1000 cfm of indoor coil air from MBhxS/T for each degree above 80 F

†† At TVA rating indoor condition (75 F db/ 63 F wb), All other indoor air temperatures are at 80 F db

SIZE 48 EXPANDED DATA

| High Stage 48 Size Outdoor With EN(A,D)4X61*24**+*8MV*1352422** Indoor Cooling |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Outdoor Ambient Temperature - Degrees F, Dry Bulb                              |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 75   |       |       |       |       | 85    |       |       |       |       | 95    |       |       |       |       | 105   |       |       |       |       | 115   |       |       |       |       |       |       |
| Entering Indoor Temperature - Degrees F, Wet Bulb                              |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| CFM  |       | 57    | 62    | 63††  | 67    | 72    | 57    | 62    | 63††  | 67    | 72    | 57    | 62    | 63††  | 67    | 72    | 57    | 62    | 63††  | 67    | 72    | 57    | 62    | 63††  | 67    | 72    |
| 1200   | MBh†  | 47.30 | 50.25 | 51.23 | 55.28 | 60.74 | 44.22 | 46.59 | 47.48 | 51.21 | 56.26 | 41.02 | 42.79 | 43.59 | 47.04 | 51.68 | 37.80 | 39.01 | 39.71 | 42.87 | 47.07 | 34.62 | 35.32 | 35.92 | 38.78 | 42.67 |
|  | S/T‡  | 1.00  | 0.83  | 0.67  | 0.65  | 0.49  | 1.00  | 0.85  | 0.68  | 0.66  | 0.49  | 1.00  | 0.87  | 0.69  | 0.67  | 0.50  | 1.00  | 0.89  | 0.71  | 0.68  | 0.50  | 1.00  | 0.91  | 0.72  | 0.70  | 0.51  |
|  | AMPS* | 12.65 | 12.72 | 12.74 | 12.83 | 12.93 | 14.05 | 14.12 | 14.14 | 14.23 | 14.35 | 15.69 | 15.74 | 15.77 | 15.87 | 15.99 | 17.58 | 17.63 | 17.65 | 17.77 | 17.91 | 19.81 | 19.85 | 19.87 | 20.02 | 20.21 |
|  | HI PR | 258   | 260   | 260   | 263   | 265   | 300   | 301   | 302   | 304   | 308   | 346   | 348   | 348   | 351   | 354   | 397   | 398   | 398   | 401   | 405   | 451   | 452   | 453   | 456   | 461   |
|  | LO PR | 119   | 127   | 129   | 139   | 152   | 122   | 129   | 131   | 141   | 155   | 126   | 131   | 133   | 143   | 157   | 130   | 134   | 135   | 146   | 160   | 134   | 136   | 138   | 149   | 163   |
| 1300   | MBh†  | 48.75 | 51.12 | 52.07 | 56.14 | 61.64 | 45.52 | 47.36 | 48.22 | 51.97 | 57.05 | 42.20 | 43.48 | 44.23 | 47.69 | 52.36 | 38.85 | 39.61 | 40.26 | 43.42 | 47.70 | 35.56 | 35.87 | 36.38 | 39.25 | 43.13 |
|  | S/T‡  | 1.00  | 0.85  | 0.69  | 0.66  | 0.50  | 1.00  | 0.87  | 0.70  | 0.67  | 0.50  | 1.00  | 0.89  | 0.71  | 0.68  | 0.51  | 1.00  | 0.91  | 0.72  | 0.70  | 0.51  | 1.00  | 0.94  | 0.74  | 0.72  | 0.52  |
|  | AMPS* | 12.79 | 12.84 | 12.86 | 12.95 | 13.04 | 14.19 | 14.24 | 14.26 | 14.36 | 14.47 | 15.83 | 15.87 | 15.89 | 15.99 | 16.12 | 17.73 | 17.76 | 17.76 | 17.89 | 18.05 | 19.96 | 19.98 | 20.00 | 20.14 | 20.32 |
|  | HI PR | 259   | 260   | 261   | 263   | 266   | 301   | 302   | 302   | 305   | 308   | 347   | 348   | 349   | 351   | 355   | 398   | 398   | 398   | 402   | 406   | 452   | 453   | 453   | 457   | 461   |
|  | LO PR | 123   | 129   | 131   | 141   | 155   | 126   | 131   | 133   | 143   | 157   | 130   | 133   | 135   | 146   | 160   | 133   | 136   | 138   | 148   | 162   | 137   | 139   | 140   | 151   | 165   |
| 1355   | MBh†  | 49.48 | 51.56 | 52.48 | 56.56 | 62.08 | 46.20 | 47.74 | 48.57 | 52.33 | 57.42 | 42.80 | 43.82 | 44.54 | 48.00 | 52.68 | 39.39 | 39.92 | 40.53 | 43.69 | 47.97 | 36.03 | 36.17 | 36.60 | 39.47 | 43.35 |
|  | S/T‡  | 1.00  | 0.87  | 0.70  | 0.67  | 0.50  | 1.00  | 0.88  | 0.71  | 0.68  | 0.50  | 1.00  | 0.90  | 0.72  | 0.69  | 0.51  | 1.00  | 0.93  | 0.73  | 0.71  | 0.52  | 1.00  | 0.96  | 0.75  | 0.73  | 0.53  |
|  | AMPS* | 12.86 | 12.91 | 12.93 | 13.01 | 13.10 | 14.27 | 14.31 | 14.33 | 14.42 | 14.53 | 15.90 | 15.93 | 15.95 | 16.05 | 16.18 | 17.80 | 17.82 | 17.84 | 17.96 | 18.12 | 20.04 | 20.05 | 20.07 | 20.21 | 20.39 |
|  | HI PR | 259   | 261   | 261   | 263   | 266   | 302   | 303   | 303   | 306   | 309   | 348   | 349   | 349   | 352   | 355   | 398   | 398   | 399   | 402   | 406   | 453   | 453   | 454   | 457   | 461   |
|  | LO PR | 125   | 130   | 132   | 142   | 156   | 128   | 132   | 134   | 144   | 158   | 132   | 135   | 136   | 147   | 161   | 135   | 137   | 139   | 149   | 163   | 139   | 140   | 141   | 152   | 166   |
| 1500   | MBh†  | 51.23 | 52.58 | 53.41 | 57.51 | 63.05 | 47.78 | 48.66 | 49.38 | 53.15 | 58.27 | 44.22 | 44.65 | 45.25 | 48.71 | 53.40 | 40.65 | 40.72 | 41.12 | 44.29 | 48.57 | 37.14 | 37.19 | 37.11 | 39.97 | 43.85 |
|  | S/T‡  | 1.00  | 0.90  | 0.72  | 0.69  | 0.51  | 1.00  | 0.92  | 0.73  | 0.70  | 0.52  | 1.00  | 0.94  | 0.74  | 0.72  | 0.52  | 1.00  | 1.00  | 0.76  | 0.74  | 0.53  | 1.00  | 1.00  | 0.78  | 0.76  | 0.54  |
|  | AMPS* | 13.04 | 13.07 | 13.09 | 13.17 | 13.26 | 14.46 | 14.48 | 14.50 | 14.59 | 14.69 | 16.09 | 16.10 | 16.12 | 16.22 | 16.35 | 18.00 | 18.00 | 18.02 | 18.13 | 18.29 | 20.25 | 20.25 | 20.24 | 20.38 | 20.57 |
|  | HI PR | 260   | 261   | 262   | 264   | 267   | 303   | 303   | 304   | 306   | 309   | 349   | 349   | 350   | 352   | 356   | 399   | 399   | 400   | 403   | 407   | 454   | 455   | 454   | 458   | 462   |
|  | LO PR | 130   | 133   | 135   | 145   | 159   | 133   | 135   | 137   | 147   | 161   | 136   | 137   | 139   | 149   | 163   | 140   | 140   | 141   | 152   | 166   | 144   | 144   | 143   | 154   | 168   |
| 1600   | MBh†  | 52.31 | 53.20 | 53.95 | 58.05 | 63.61 | 48.75 | 49.23 | 49.85 | 53.63 | 58.75 | 45.10 | 45.22 | 45.65 | 49.12 | 53.81 | 41.42 | 41.48 | 41.47 | 44.64 | 48.91 | 37.81 | 37.86 | 37.40 | 40.26 | 44.12 |
|  | S/T‡  | 1.00  | 0.92  | 0.73  | 0.71  | 0.52  | 1.00  | 0.94  | 0.74  | 0.72  | 0.52  | 1.00  | 0.99  | 0.76  | 0.74  | 0.53  | 1.00  | 1.00  | 0.78  | 0.76  | 0.54  | 1.00  | 1.00  | 0.80  | 0.78  | 0.55  |
|  | AMPS* | 13.17 | 13.19 | 13.20 | 13.28 | 13.37 | 14.59 | 14.60 | 14.61 | 14.70 | 14.80 | 16.22 | 16.22 | 16.24 | 16.34 | 16.46 | 18.13 | 18.13 | 18.13 | 18.25 | 18.41 | 20.38 | 20.39 | 20.36 | 20.50 | 20.69 |
|  | HI PR | 261   | 262   | 262   | 264   | 267   | 304   | 304   | 304   | 307   | 310   | 350   | 350   | 350   | 353   | 357   | 400   | 400   | 400   | 403   | 407   | 455   | 455   | 455   | 458   | 463   |
|  | LO PR | 133   | 135   | 136   | 147   | 161   | 136   | 137   | 138   | 149   | 163   | 139   | 139   | 140   | 151   | 165   | 143   | 143   | 142   | 153   | 167   | 147   | 147   | 145   | 155   | 170   |
| 1700   | MBh†  | 53.29 | 53.79 | 54.43 | 58.53 | 64.10 | 49.64 | 49.81 | 50.27 | 54.05 | 59.16 | 45.88 | 45.95 | 46.01 | 49.47 | 54.15 | 42.12 | 42.18 | 41.77 | 44.94 | 49.20 | 38.42 | 38.47 | 37.65 | 40.51 | 44.36 |
|  | S/T‡  | 1.00  | 0.94  | 0.75  | 0.72  | 0.52  | 1.00  | 0.96  | 0.76  | 0.74  | 0.53  | 1.00  | 1.00  | 0.78  | 0.75  | 0.54  | 1.00  | 1.00  | 0.80  | 0.78  | 0.55  | 1.00  | 1.00  | 0.82  | 0.80  | 0.56  |
|  | AMPS* | 13.29 | 13.30 | 13.31 | 13.39 | 13.47 | 14.71 | 14.71 | 14.72 | 14.81 | 14.91 | 16.35 | 16.35 | 16.35 | 16.45 | 16.57 | 18.26 | 18.26 | 18.25 | 18.36 | 18.52 | 20.52 | 20.52 | 20.48 | 20.62 | 20.81 |
|  | HI PR | 262   | 262   | 262   | 264   | 267   | 304   | 304   | 305   | 307   | 310   | 351   | 351   | 351   | 353   | 357   | 401   | 401   | 401   | 404   | 408   | 456   | 456   | 455   | 459   | 463   |
|  | LO PR | 135   | 137   | 138   | 148   | 162   | 138   | 139   | 140   | 150   | 164   | 142   | 142   | 142   | 152   | 166   | 145   | 146   | 144   | 154   | 169   | 149   | 149   | 146   | 157   | 171   |

† Total capacities are net (I.D blower heat subtracted) system capacities based on 25' line set.

If additional tubing length and/or indoor unit is located above outdoor unit, a slight variation in capacity may occur.

\* System amps are total of indoor and outdoor amps

‡ S/T are based on 80 F db entering air at the indoor coil. For sensible capacities at other than 80 F db, deduct 835 Btuh per 1000 cfm of indoor coil air from MBhxS/T for each degree below 80 F, or add 835 Btuh per 1000 cfm of indoor coil air from MBhxS/T for each degree above 80 F

†† At TVA rating indoor condition (75 F db/ 63 F wb), All other indoor air temperatures are at 80 F db

**SIZE 60 EXPANDED DATA**

|      |       | High Stage 60 Size Outdoor With EN(A,D)4X61*24**+*8MV*1352422** Indoor Cooling |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|------|-------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|      |       | Outdoor Ambient Temperature - Degrees F, Dry Bulb                              |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|      |       | 75   |       |       |       |       | 85    |       |       |       |       | 95    |       |       |       |       | 105   |       |       |       |       | 115   |       |       |       |       |
|      |       | Entering Indoor Temperature - Degrees F, Wet Bulb                              |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| CFM  |       | 57   | 62    | 63††  | 67    | 72    | 57    | 62    | 63††  | 67    | 72    | 57    | 62    | 63††  | 67    | 72    | 57    | 62    | 63††  | 67    | 72    | 57    | 62    | 63††  | 67    | 72    |
| 1500 | MBh†  | 53.72  | 56.39 | 57.44 | 62.03 | 68.33 | 52.08 | 54.23 | 55.21 | 59.60 | 65.64 | 50.28 | 51.92 | 52.82 | 57.01 | 62.75 | 48.30 | 49.38 | 50.17 | 54.12 | 59.55 | 46.01 | 46.54 | 47.21 | 50.90 | 55.98 |
|      | S/T‡  | 1.00   | 0.85  | 0.69  | 0.66  | 0.49  | 1.00  | 0.87  | 0.70  | 0.67  | 0.50  | 1.00  | 0.89  | 0.71  | 0.68  | 0.50  | 1.00  | 0.91  | 0.72  | 0.69  | 0.51  | 1.00  | 0.93  | 0.74  | 0.71  | 0.52  |
|      | AMPS* | 15.43  | 15.54 | 15.58 | 15.78 | 16.05 | 16.99 | 17.09 | 17.13 | 17.32 | 17.59 | 18.81 | 18.89 | 18.93 | 19.12 | 19.38 | 20.92 | 20.97 | 21.01 | 21.19 | 21.46 | 23.32 | 23.35 | 23.38 | 23.58 | 23.85 |
|      | HI PR | 265  | 266   | 267   | 269   | 273   | 308   | 309   | 310   | 313   | 317   | 354   | 356   | 357   | 360   | 365   | 406   | 407   | 408   | 412   | 417   | 462   | 463   | 463   | 467   | 473   |
|      | LO PR | 122  | 127   | 129   | 139   | 153   | 125   | 129   | 131   | 142   | 155   | 128   | 132   | 133   | 144   | 157   | 131   | 134   | 136   | 146   | 160   | 135   | 137   | 138   | 149   | 163   |
| 1625 | MBh†  | 55.23  | 57.29 | 58.28 | 62.90 | 69.27 | 53.51 | 55.06 | 55.98 | 60.40 | 66.48 | 51.63 | 52.69 | 53.49 | 57.71 | 63.48 | 49.53 | 50.09 | 50.76 | 54.73 | 60.19 | 47.13 | 47.27 | 47.71 | 51.43 | 56.52 |
|      | S/T‡  | 1.00   | 0.88  | 0.70  | 0.68  | 0.50  | 1.00  | 0.89  | 0.71  | 0.69  | 0.50  | 1.00  | 0.91  | 0.72  | 0.70  | 0.51  | 1.00  | 0.93  | 0.74  | 0.71  | 0.52  | 1.00  | 0.99  | 0.76  | 0.73  | 0.53  |
|      | AMPS* | 15.64  | 15.73 | 15.77 | 15.97 | 16.26 | 17.22 | 17.28 | 17.32 | 17.51 | 17.78 | 19.03 | 19.08 | 19.12 | 19.31 | 19.57 | 21.13 | 21.16 | 21.19 | 21.38 | 21.65 | 23.53 | 23.54 | 23.56 | 23.76 | 24.04 |
|      | HI PR | 266  | 267   | 268   | 270   | 274   | 309   | 310   | 310   | 314   | 318   | 356   | 357   | 357   | 361   | 366   | 407   | 408   | 408   | 412   | 417   | 463   | 463   | 464   | 468   | 473   |
|      | LO PR | 125  | 130   | 132   | 142   | 155   | 128   | 132   | 133   | 144   | 157   | 131   | 134   | 135   | 146   | 160   | 135   | 136   | 138   | 148   | 162   | 139   | 139   | 140   | 151   | 165   |
| 1685 | MBh†  | 55.91  | 57.68 | 58.64 | 63.28 | 69.67 | 54.14 | 55.44 | 56.29 | 60.74 | 66.84 | 52.22 | 53.03 | 53.77 | 58.00 | 63.79 | 50.07 | 50.43 | 51.02 | 54.99 | 60.46 | 47.62 | 47.70 | 47.93 | 51.65 | 56.74 |
|      | S/T‡  | 1.00   | 0.89  | 0.71  | 0.68  | 0.50  | 1.00  | 0.90  | 0.72  | 0.69  | 0.51  | 1.00  | 0.92  | 0.73  | 0.71  | 0.51  | 1.00  | 0.95  | 0.75  | 0.72  | 0.52  | 1.00  | 1.00  | 0.77  | 0.74  | 0.53  |
|      | AMPS* | 15.75  | 15.82 | 15.86 | 16.07 | 16.35 | 17.32 | 17.37 | 17.41 | 17.60 | 17.88 | 19.14 | 19.18 | 19.21 | 19.40 | 19.66 | 21.23 | 21.25 | 21.28 | 21.47 | 21.74 | 23.64 | 23.64 | 23.65 | 23.85 | 24.13 |
|      | HI PR | 266  | 267   | 268   | 270   | 274   | 309   | 310   | 311   | 314   | 318   | 356   | 357   | 358   | 361   | 366   | 408   | 408   | 409   | 413   | 418   | 464   | 464   | 464   | 468   | 474   |
|      | LO PR | 127  | 131   | 132   | 143   | 156   | 130   | 133   | 134   | 145   | 158   | 133   | 135   | 136   | 147   | 160   | 136   | 137   | 138   | 149   | 163   | 141   | 141   | 141   | 151   | 165   |
| 1750 | MBh†  | 56.60  | 58.08 | 59.00 | 63.66 | 70.06 | 54.79 | 55.82 | 56.61 | 61.07 | 67.19 | 52.83 | 53.40 | 54.06 | 58.29 | 64.11 | 50.63 | 50.81 | 51.27 | 55.26 | 60.73 | 48.13 | 48.20 | 48.15 | 51.87 | 56.97 |
|      | S/T‡  | 1.00   | 0.90  | 0.72  | 0.69  | 0.51  | 1.00  | 0.92  | 0.73  | 0.70  | 0.51  | 1.00  | 0.94  | 0.74  | 0.72  | 0.52  | 1.00  | 0.96  | 0.76  | 0.73  | 0.53  | 1.00  | 1.00  | 0.78  | 0.76  | 0.54  |
|      | AMPS* | 15.86  | 15.92 | 15.96 | 16.17 | 16.45 | 17.43 | 17.47 | 17.50 | 17.70 | 17.97 | 19.25 | 19.28 | 19.30 | 19.49 | 19.76 | 21.35 | 21.36 | 21.38 | 21.57 | 21.84 | 23.75 | 23.76 | 23.75 | 23.95 | 24.23 |
|      | HI PR | 266  | 268   | 268   | 270   | 274   | 309   | 310   | 311   | 314   | 318   | 357   | 357   | 358   | 362   | 366   | 408   | 409   | 409   | 413   | 418   | 464   | 465   | 464   | 469   | 474   |
|      | LO PR | 129  | 132   | 133   | 144   | 157   | 132   | 134   | 135   | 146   | 159   | 135   | 136   | 137   | 148   | 161   | 138   | 139   | 139   | 150   | 164   | 142   | 142   | 142   | 152   | 166   |
| 2000 | MBh†  | 58.97  | 59.49 | 60.13 | 64.83 | 71.31 | 57.00 | 57.21 | 57.65 | 62.13 | 68.31 | 54.88 | 54.96 | 54.99 | 59.24 | 65.08 | 52.51 | 52.59 | 52.08 | 56.07 | 61.55 | 49.82 | 49.88 | 48.84 | 52.56 | 57.65 |
|      | S/T‡  | 1.00   | 0.94  | 0.75  | 0.72  | 0.52  | 1.00  | 0.96  | 0.76  | 0.74  | 0.53  | 1.00  | 1.00  | 0.78  | 0.75  | 0.54  | 1.00  | 1.00  | 0.80  | 0.77  | 0.55  | 1.00  | 1.00  | 0.82  | 0.80  | 0.56  |
|      | AMPS* | 16.28  | 16.30 | 16.33 | 16.53 | 16.83 | 17.84 | 17.85 | 17.87 | 18.07 | 18.35 | 19.66 | 19.67 | 19.66 | 19.86 | 20.13 | 21.76 | 21.77 | 21.74 | 21.93 | 22.21 | 24.17 | 24.17 | 24.11 | 24.32 | 24.60 |
|      | HI PR | 268  | 269   | 269   | 271   | 275   | 311   | 311   | 312   | 315   | 319   | 359   | 359   | 359   | 362   | 367   | 411   | 411   | 410   | 414   | 419   | 467   | 467   | 466   | 470   | 475   |
|      | LO PR | 134  | 136   | 136   | 147   | 160   | 137   | 138   | 138   | 149   | 162   | 140   | 141   | 140   | 151   | 164   | 144   | 144   | 142   | 153   | 167   | 148   | 148   | 144   | 155   | 169   |
| 2250 | MBh†  | 60.93  | 61.01 | 61.01 | 65.74 | 72.25 | 58.83 | 58.91 | 58.43 | 62.94 | 69.12 | 56.57 | 56.65 | 55.68 | 59.95 | 65.78 | 54.04 | 54.11 | 52.69 | 56.69 | 62.14 | 51.19 | 51.25 | 49.36 | 53.08 | 58.12 |
|      | S/T‡  | 1.00   | 1.00  | 0.78  | 0.75  | 0.54  | 1.00  | 1.00  | 0.79  | 0.77  | 0.55  | 1.00  | 1.00  | 0.81  | 0.79  | 0.56  | 1.00  | 1.00  | 0.83  | 0.81  | 0.57  | 1.00  | 1.00  | 0.86  | 0.84  | 0.58  |
|      | AMPS* | 16.69  | 16.69 | 16.68 | 16.89 | 17.19 | 18.24 | 18.25 | 18.22 | 18.42 | 18.70 | 20.06 | 20.07 | 20.02 | 20.21 | 20.49 | 22.16 | 22.16 | 22.09 | 22.29 | 22.56 | 24.57 | 24.58 | 24.47 | 24.67 | 24.95 |
|      | HI PR | 269  | 269   | 269   | 272   | 276   | 313   | 313   | 313   | 316   | 320   | 361   | 361   | 360   | 363   | 368   | 412   | 412   | 411   | 415   | 420   | 469   | 469   | 466   | 471   | 476   |
|      | LO PR | 139  | 140   | 139   | 149   | 163   | 142   | 142   | 141   | 151   | 165   | 145   | 145   | 142   | 153   | 167   | 149   | 149   | 144   | 155   | 169   | 152   | 153   | 147   | 158   | 171   |

† Total capacities are net (I.D blower heat subtracted) system capacities based on 25' line set.  
 If additional tubing length and/or indoor unit is located above outdoor unit, a slight variation in capacity may occur.

\* System amps are total of indoor and outdoor amps

‡ S/T are based on 80 F db entering air at the indoor coil. For sensible capacities at other than 80 F db, deduct 835 Btuh per 1000 cfm of indoor coil air from MBhxS/T for each degree below 80 F, or add 835 Btuh per 1000 cfm of indoor coil air from MBhxS/T for each degree above 80 F

†† At TVA rating indoor condition (75 F db/ 63 F wb), All other indoor air temperatures are at 80 F db

**SIZE 60 EXPANDED DATA**

|      |       | Low Stage 60 Size Outdoor With EN(A,D)4X61*24**+*8MV*1352422** Indoor Cooling |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|------|-------|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|      |       | Outdoor Ambient Temperature - Degrees F, Dry Bulb                             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|      |       | 75  |       |       |       |       | 85    |       |       |       |       | 95    |       |       |       |       | 105   |       |       |       |       | 115   |       |       |       |       |
|      |       | Entering Indoor Temperature - Degrees F, Wet Bulb                             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| CFM  |       | 57  | 62    | 63††  | 67    | 72    | 57    | 62    | 63††  | 67    | 72    | 57    | 62    | 63††  | 67    | 72    | 57    | 62    | 63††  | 67    | 72    | 57    | 62    | 63††  | 67    | 72    |
| 1200 | MBh†  | 41.88   | 43.21 | 44.00 | 47.74 | 52.84 | 38.97 | 39.82 | 40.50 | 43.97 | 48.70 | 35.87 | 36.26 | 36.83 | 40.03 | 44.39 | 32.67 | 32.73 | 33.04 | 35.98 | 39.99 | 29.44 | 29.50 | 29.23 | 31.92 | 35.56 |
|      | S/T‡  | 1.00  | 0.90  | 0.72  | 0.69  | 0.51  | 1.00  | 0.90  | 0.71  | 0.69  | 0.50  | 1.00  | 0.90  | 0.71  | 0.68  | 0.50  | 1.00  | 1.00  | 0.71  | 0.69  | 0.49  | 1.00  | 1.00  | 0.71  | 0.69  | 0.49  |
|      | AMPS* | 10.65   | 10.61 | 10.59 | 10.47 | 10.31 | 12.29 | 12.27 | 12.26 | 12.14 | 12.00 | 14.18 | 14.17 | 14.16 | 14.05 | 13.92 | 16.34 | 16.33 | 16.33 | 16.23 | 16.11 | 18.79 | 18.78 | 18.80 | 18.71 | 18.59 |
|      | HI PR | 252   | 253   | 253   | 255   | 258   | 293   | 294   | 294   | 297   | 300   | 338   | 339   | 339   | 342   | 345   | 387   | 387   | 388   | 391   | 394   | 441   | 441   | 441   | 444   | 448   |
|      | LO PR | 130   | 134   | 135   | 146   | 159   | 133   | 136   | 138   | 148   | 162   | 137   | 139   | 140   | 150   | 164   | 142   | 142   | 143   | 153   | 167   | 147   | 147   | 145   | 156   | 170   |
| 1300 | MBh†  | 43.12   | 43.95 | 44.65 | 48.41 | 53.55 | 40.07 | 40.50 | 41.08 | 44.56 | 49.32 | 36.87 | 36.95 | 37.33 | 40.53 | 44.92 | 33.57 | 33.63 | 33.47 | 36.41 | 40.43 | 30.23 | 30.28 | 29.59 | 32.28 | 35.92 |
|      | S/T‡  | 1.00  | 0.93  | 0.74  | 0.71  | 0.52  | 1.00  | 0.93  | 0.73  | 0.71  | 0.51  | 1.00  | 1.00  | 0.73  | 0.71  | 0.51  | 1.00  | 1.00  | 0.73  | 0.71  | 0.50  | 1.00  | 1.00  | 0.74  | 0.71  | 0.50  |
|      | AMPS* | 10.69   | 10.66 | 10.65 | 10.53 | 10.37 | 12.34 | 12.33 | 12.32 | 12.21 | 12.06 | 14.23 | 14.23 | 14.23 | 14.12 | 13.99 | 16.39 | 16.39 | 16.40 | 16.30 | 16.18 | 18.85 | 18.85 | 18.88 | 18.78 | 18.67 |
|      | HI PR | 253   | 253   | 254   | 256   | 258   | 294   | 294   | 295   | 297   | 300   | 339   | 339   | 340   | 342   | 346   | 388   | 388   | 388   | 391   | 395   | 442   | 442   | 441   | 444   | 448   |
|      | LO PR | 134   | 136   | 138   | 148   | 162   | 137   | 138   | 140   | 150   | 164   | 141   | 141   | 142   | 152   | 166   | 145   | 145   | 144   | 155   | 169   | 150   | 150   | 147   | 158   | 172   |
| 1355 | MBh†  | 43.74   | 44.33 | 44.98 | 48.74 | 53.90 | 40.64 | 40.87 | 41.36 | 44.85 | 49.62 | 37.38 | 37.45 | 37.57 | 40.78 | 45.17 | 34.03 | 34.08 | 33.68 | 36.63 | 40.64 | 30.62 | 30.67 | 29.76 | 32.45 | 36.09 |
|      | S/T‡  | 1.00  | 0.94  | 0.75  | 0.72  | 0.52  | 1.00  | 0.94  | 0.74  | 0.72  | 0.52  | 1.00  | 1.00  | 0.74  | 0.72  | 0.51  | 1.00  | 1.00  | 0.74  | 0.72  | 0.51  | 1.00  | 1.00  | 0.75  | 0.72  | 0.51  |
|      | AMPS* | 10.71   | 10.70 | 10.68 | 10.56 | 10.40 | 12.37 | 12.36 | 12.36 | 12.24 | 12.09 | 14.26 | 14.26 | 14.27 | 14.16 | 14.02 | 16.42 | 16.42 | 16.44 | 16.34 | 16.22 | 18.88 | 18.88 | 18.92 | 18.82 | 18.71 |
|      | HI PR | 253   | 254   | 254   | 256   | 259   | 295   | 295   | 295   | 297   | 300   | 340   | 340   | 340   | 342   | 346   | 389   | 389   | 388   | 391   | 395   | 442   | 442   | 441   | 445   | 448   |
|      | LO PR | 136   | 137   | 139   | 149   | 163   | 139   | 139   | 140   | 151   | 165   | 143   | 143   | 143   | 153   | 167   | 147   | 147   | 145   | 156   | 170   | 152   | 152   | 148   | 159   | 172   |
| 1400 | MBh†  | 44.23   | 44.63 | 45.23 | 48.99 | 54.16 | 41.08 | 41.19 | 41.58 | 45.07 | 49.85 | 37.78 | 37.85 | 37.76 | 40.96 | 45.36 | 34.37 | 34.43 | 33.84 | 36.79 | 40.80 | 30.92 | 30.97 | 29.89 | 32.59 | 36.22 |
|      | S/T‡  | 1.00  | 0.95  | 0.76  | 0.73  | 0.53  | 1.00  | 1.00  | 0.75  | 0.73  | 0.52  | 1.00  | 1.00  | 0.75  | 0.73  | 0.52  | 1.00  | 1.00  | 0.75  | 0.73  | 0.52  | 1.00  | 1.00  | 0.76  | 0.74  | 0.51  |
|      | AMPS* | 10.73   | 10.72 | 10.71 | 10.59 | 10.43 | 12.39 | 12.39 | 12.38 | 12.27 | 12.12 | 14.29 | 14.29 | 14.30 | 14.19 | 14.06 | 16.45 | 16.45 | 16.48 | 16.38 | 16.25 | 18.91 | 18.91 | 18.95 | 18.86 | 18.74 |
|      | HI PR | 254   | 254   | 254   | 256   | 259   | 295   | 295   | 295   | 298   | 301   | 340   | 340   | 340   | 343   | 346   | 389   | 389   | 389   | 392   | 395   | 443   | 443   | 442   | 445   | 449   |
|      | LO PR | 137   | 138   | 139   | 150   | 164   | 140   | 141   | 141   | 152   | 166   | 144   | 144   | 143   | 154   | 168   | 148   | 149   | 146   | 157   | 170   | 153   | 153   | 149   | 159   | 173   |
| 1600 | MBh†  | 46.15   | 46.22 | 46.15 | 49.93 | 55.12 | 42.82 | 42.88 | 42.39 | 45.88 | 50.68 | 39.32 | 39.38 | 38.45 | 41.67 | 46.06 | 35.73 | 35.78 | 34.43 | 37.38 | 41.37 | 32.10 | 32.14 | 30.42 | 33.10 | 36.68 |
|      | S/T‡  | 1.00  | 1.00  | 0.79  | 0.77  | 0.55  | 1.00  | 1.00  | 0.79  | 0.77  | 0.54  | 1.00  | 1.00  | 0.79  | 0.77  | 0.54  | 1.00  | 1.00  | 0.80  | 0.77  | 0.54  | 1.00  | 1.00  | 0.80  | 0.78  | 0.54  |
|      | AMPS* | 10.83   | 10.83 | 10.84 | 10.72 | 10.56 | 12.50 | 12.50 | 12.52 | 12.41 | 12.26 | 14.40 | 14.40 | 14.44 | 14.33 | 14.20 | 16.57 | 16.57 | 16.63 | 16.53 | 16.41 | 19.04 | 19.04 | 19.11 | 19.02 | 18.90 |
|      | HI PR | 255   | 255   | 255   | 257   | 259   | 296   | 296   | 296   | 298   | 301   | 341   | 341   | 341   | 343   | 347   | 391   | 391   | 389   | 392   | 396   | 444   | 444   | 442   | 446   | 449   |
|      | LO PR | 143   | 143   | 142   | 153   | 167   | 146   | 146   | 144   | 155   | 168   | 150   | 150   | 146   | 157   | 171   | 154   | 154   | 149   | 159   | 173   | 158   | 158   | 151   | 162   | 175   |
| 1800 | MBh†  | 47.74   | 47.81 | 46.86 | 50.65 | 55.85 | 44.25 | 44.31 | 43.01 | 46.52 | 51.29 | 40.59 | 40.65 | 39.00 | 42.22 | 46.57 | 36.85 | 36.89 | 34.92 | 37.86 | 41.79 | 33.06 | 33.10 | 30.87 | 33.53 | 37.00 |
|      | S/T‡  | 1.00  | 1.00  | 0.83  | 0.80  | 0.57  | 1.00  | 1.00  | 0.83  | 0.80  | 0.56  | 1.00  | 1.00  | 0.83  | 0.81  | 0.56  | 1.00  | 1.00  | 0.84  | 0.82  | 0.56  | 1.00  | 1.00  | 0.84  | 0.82  | 0.56  |
|      | AMPS* | 10.94   | 10.94 | 10.98 | 10.85 | 10.69 | 12.61 | 12.61 | 12.66 | 12.55 | 12.40 | 14.53 | 14.53 | 14.59 | 14.48 | 14.35 | 16.71 | 16.71 | 16.78 | 16.68 | 16.56 | 19.19 | 19.19 | 19.27 | 19.18 | 19.07 |
|      | HI PR | 256   | 256   | 255   | 257   | 260   | 297   | 297   | 296   | 299   | 302   | 342   | 343   | 341   | 344   | 347   | 392   | 392   | 390   | 393   | 396   | 446   | 446   | 443   | 446   | 450   |
|      | LO PR | 148   | 148   | 145   | 155   | 169   | 151   | 151   | 147   | 157   | 171   | 154   | 154   | 149   | 159   | 173   | 158   | 158   | 151   | 162   | 175   | 163   | 163   | 154   | 164   | 177   |

† Total capacities are net (I.D blower heat subtracted) system capacities based on 25' line set.

If additional tubing length and/or indoor unit is located above outdoor unit, a slight variation in capacity may occur.

\* System amps are total of indoor and outdoor amps

‡ S/T are based on 80 F db entering air at the indoor coil. For sensible capacities at other than 80 F db, deduct 835 Btuh per 1000 cfm of indoor coil air from MBhxS/T for each degree below 80 F, or add 835 Btuh per 1000 cfm of indoor coil air from MBhxS/T for each degree above 80 F

†† At TVA rating indoor condition (75 F db/ 63 F wb), All other indoor air temperatures are at 80 F db

**ACCESSORY USAGE GUIDELINES**

| Accessory  | REQUIRED FOR LOW AMBIENT COOLING APPLICATIONS (17 SEER Product Only) (Below 55°F / 12.8°C) | REQUIRED FOR LONG LINE APPLICATIONS* (Over 80 ft. / 24.38 m) | Required for Sea Coast Application (within 2 miles/3.22 km) |
|--|--|--|---|
| <b>Crankcase Heater</b>                            | Yes Standard on some units   | Yes, standard on some units                                  | No  |
| <b>Compressor Start Assist Capacitor and Relay</b> | No   | No   | No  |
| <b>Liquid Line Solenoid Valve</b>                  | No   | See Long Line Applications Guideline                         | No  |
| <b>Support Feet</b>                                | Recommended  | No   | Recommended   |
| <b>Hard Shutoff TXV</b>                            | Yes (Standard with factory approved indoor unit)   | Yes (Standard with factory approved indoor unit)             | Yes (Standard with factory approved indoor unit)            |
| <b>Evaporator Freeze Thermostat</b>                | Yes  | No   | No  |
| <b>Low-Ambient Pressure Switch</b>                 | Yes  | No   | No  |
| <b>Winter Start Control</b>                        | Yes  | No   | No  |

\* For tubing line sets between 80 and 200 ft. (24.38 and 60.96 m) and/or 20 ft. (6.09 m) vertical differential, refer to Long Line Applications Guideline.

**ACCESSORIES**

| Part Number | Description   | Used On Model Size | Used On Model Size |
|-------------|---|--------------------|--------------------|
| NASA401LS   | Liquid Line Solenoid Valve, R-410A                  | ALL                | ALL                |
| NASA001TD   | Time Delay Relay, Indoor Blower                     | ALL                | ALL                |
| NASA001SF   | Support Feet, 4" (102mm) tall                       | ALL                | ALL                |
| NASA010SC   | Hard Start Kit (Capacitor & Relay)                  | 24                 | N/A                |
| NASA011SC   | Hard Start Kit (Capacitor & Relay)                  | 36                 | N/A                |
| NASA012SC   | Hard Start Kit (Capacitor & Relay)                  | 48                 | 24, 36             |
| NASA013SC   | Hard Start Kit (Capacitor & Relay)                  | 24, 36             | N/A                |
| NASA015SC   | Hard Start Kit (Capacitor & Relay)                  | 60                 | 48, 60             |
| NASA01201CH | Crankcase Heater Kit (Factory installed on 48 & 60) | 24, 36             | 24, 36             |
| NASA001FS   | Evaporator Freeze Thermostat                        | ALL                | ALL                |
| NASA00201WS | Winter Start Control                                | ALL                | ALL                |
| NASA401LA   | Low Ambient Kit (Pressure Switch) R-410A            | ALL                | ALL                |

**WALL CONTROL**

|             |   |     |     |
|-------------|---|-----|-----|
| TSTAT0101SC | Observer™ Self Configuring Communicating Wall Control | ALL | ALL |
|-------------|---|-----|-----|