

## TECHNICAL SPECIFICATIONS

### FT4BI Series

iQ Drive®

#### R-410A, Ultra High Efficiency Heat Pump, 21+ SEER, 12.5+ EER, 9.6 HSPF Residential System 2-3-4 Ton Capacities

The iQ Drive® Heat Pump System features fully variable speed compressor technology and variable speed indoor and outdoor motors. The system provides variable cooling capacity as needed. It operates near the nominal rated capacity at the thermostat set point and modulates as temperature difference between set point and room temperature changes. The system may run at additional 18% capacity to provide rapid cooling. The system has a built-in humidity control that will activate humidifier equipment (if supplied), and reduces blower speed if indoor relative humidity is greater than set point (default set at 60%).



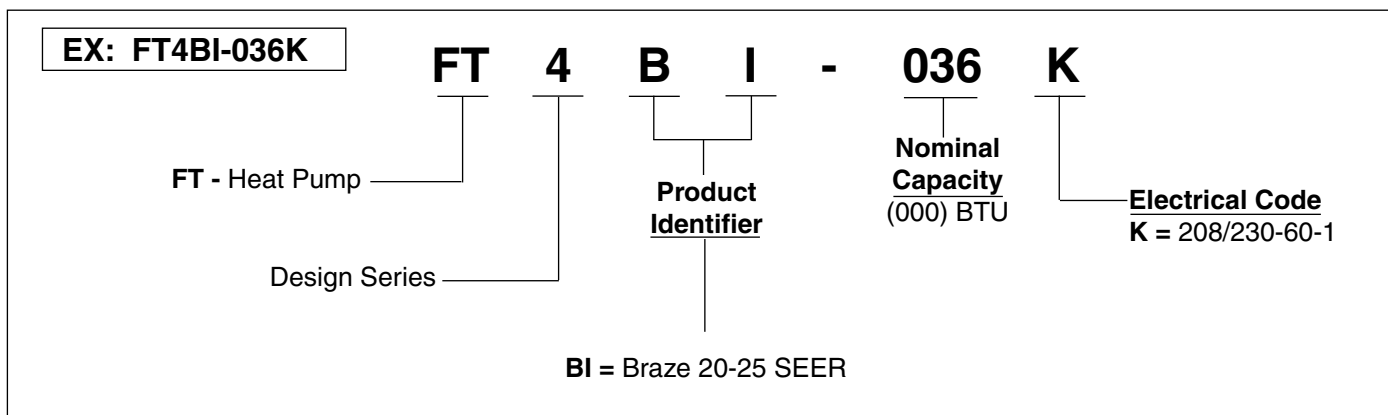
### WARRANTY

- This product offers a 10-year all-parts warranty.
- This product offers a 10 year Quality Pledge to replace the entire unit, if the unit's major component (heat exchanger or compressor) fails within the first 10 years of operation, to the original owner. All split system products must be installed with a matched indoor air handler or indoor coil to qualify.
- Consumer product registration required for both 10 year All Parts Warranty and Quality Pledge within a limited period of time after the installation. See current warranty document or visit our consumer web for warranty details.

### FEATURES and BENEFITS

- **iQ Drive:** Inverter driven Panasonic rotary compressor which provides fully variable operation.
- **R-410A Refrigerant:** Environmentally friendly non-ozone depleting refrigerant.
- **Designed using galvanized steel:** with a polyester urethane coat finish. The 950 hour salt spray finish resists corrosion 50% better than comparable units.
- **Copper Tube / Aluminum Fin Coils:** Both indoor and outdoor coils are designed to optimize heat transfer, minimize size and cost, and increase durability and reliability.
- **Permanently Lubricated Motor:** A heavy duty brushless motor for long lasting reliability and quiet operation. Requires no maintenance and is completely protected from rain and snow.
- **Compressor Sound Blanket:** Engineered to significantly reduce unwanted compressor noise.
- **Swept-Wing Fan Blade:** Engineered to provide quiet operation. The specific energy absorbing hub is designed to reduce noise while operating through various frequencies.
- **Louvered Condenser Guard:** Durable metal guard protects the coil from yard hazards and extreme weather.
- **Removable Top Grille Assembly:** Allows ease of service from the top without disconnecting fan motor leads.
- **High Pressure Switch:** Protects against abnormally high system pressures. Auto-reset feature prevents nuisance service visits.
- **Low Pressure Switch:** Protects against loss of system refrigerant charge.
- **Liquid Line Filter Drier:** Included with unit, field installed.
- **One Piece Top/Orifice:** Designed for maximum airflow and quiet operation.
- **Easy Compressor and Control Access:** Designed to make servicing easier for the contractor, access panels are provided to all controls and the compressor from the side of the unit.
- **Highest Efficiency with the lowest Sound Levels:** Up to 22 SEER with sound ratings of 59-72dB depending upon operating conditions.

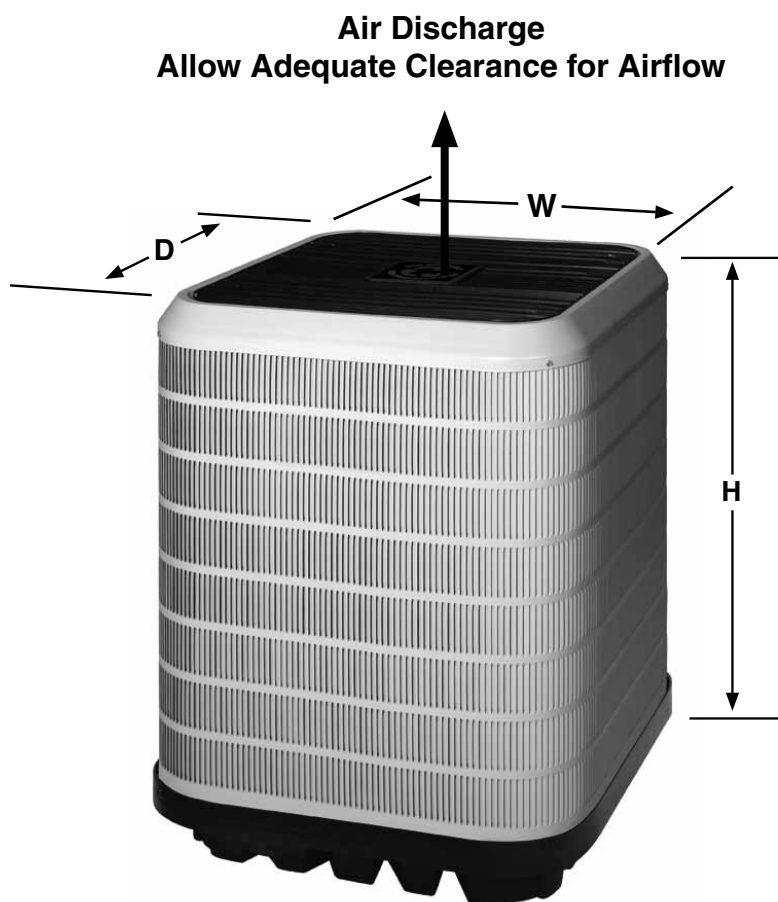
## MODEL IDENTIFICATION CODES



## DIMENSIONS

### AIR CONDITIONER OUTDOOR SECTION

| FT4BI | 024K   | 036K   | 048K   |
|-------|--------|--------|--------|
| H     | 37     | 41     | 45     |
| W     | 31 1/4 | 31 1/4 | 31 1/4 |
| D     | 31 1/4 | 31 1/4 | 31 1/4 |



# PHYSICAL AND ELECTRICAL SPECIFICATIONS / OUTDOOR UNITS

## 22 SEER — Ultra High Efficiency — Single Phase

| Model Number FT4BI-                                                                     |                        |              | 024K         | 036K         | 048K         |
|-----------------------------------------------------------------------------------------|------------------------|--------------|--------------|--------------|--------------|
| Electrical Data                                                                         | Volts-Cycles-Phase (1) |              | 208/230-60-1 | 208/230-60-1 | 208/230-60-1 |
|                                                                                         | Total Amps             |              | 13.0         | 18.0         | 22.0         |
|                                                                                         | Delay Fuse Max. (2)    |              | 25           | 35           | 45           |
|                                                                                         | Min. Circuit Ampacity  |              | 16.6         | 22.9         | 27.1         |
| Condenser Data                                                                          | Coil                   | Area(ft²)    | 20.3         | 22.8         | 25.4         |
|                                                                                         |                        | Rows-FPI     | 1 - 20       | 1 - 20       | 1 - 20       |
|                                                                                         |                        | Tube Dia     | 3/8" O.D.    | 3/8" O.D.    | 3/8" O.D.    |
|                                                                                         | Fan Motor              | Type         | Brushless DC | Brushless DC | Brushless DC |
|                                                                                         |                        | Amps         | 1.6          | 1.6          | 1.6          |
|                                                                                         |                        | HP           | 0.5          | 0.5          | 0.5          |
|                                                                                         | Fan Blade              | Dia-# Blades | 24" - 2      | 24" - 2      | 24" - 2      |
|                                                                                         |                        | SCFM         | 3200         | 3400         | 3600         |
|                                                                                         | Compressor Data        |              | RLA          | 11.4         | 16.4         |
| Refrigerant suction line O.D.<br>(all length of liquid line are<br>3/8" O.D.)           |                        | 0-24 ft.     | 3/4"         | 7/8"         | 7/8"         |
|                                                                                         |                        | 25-39 ft.    | 3/4"         | 7/8"         | 1 1/8" (3)   |
|                                                                                         |                        | 40-75 ft.    | 7/8" (3)     | 1 1/8" (3)   | 1 1/8" (3)   |
| Refrigerant charge (R-410A) in ounces for outdoor<br>unit, indoor unit and 15' lineset. |                        |              | 171          | 203          | 203          |
| Weight                                                                                  |                        | Net          | 190          | 220          | 225          |
| Approximate (lbs.)                                                                      |                        | Ship         | 200          | 230          | 235          |

(1) Operating Voltage Range: 187v min. — 253v max.

(2) HACR Type Circuit Breakers may be used.

(3) Requires Reducers.

**NOTE: Refrigerant Tubing Limitations-**The compressor manufacturer imposes a maximum equivalent line set length of 100ft. Furthermore, vertical elevation shall not exceed 50 ft.

## ACCESSORIES

**Controller/Thermostat**  
920621G

| COPPER WIRE SIZE — AWG<br>(1% Voltage Drop) |     |     |    |                            |
|---------------------------------------------|-----|-----|----|----------------------------|
| Supply Wire Length-Feet                     |     |     |    | Supply Circuit<br>Ampacity |
| 200                                         | 150 | 100 | 50 |                            |
| 6                                           | 8   | 10  | 14 | 15                         |
| 4                                           | 6   | 8   | 12 | 20                         |
| 4                                           | 6   | 8   | 10 | 25                         |
| 4                                           | 4   | 6   | 10 | 30                         |
| 3                                           | 4   | 6   | 8  | 35                         |
| 3                                           | 4   | 6   | 8  | 40                         |
| 2                                           | 3   | 4   | 6  | 45                         |
| 2                                           | 3   | 4   | 6  | 50                         |

Wire Size based on N.E.C. for 60° type copper conductors.

## SYSTEM COOLING CAPACITIES

### 22 SEER — Ultra High Efficiency — Single Phase

| Outdoor Unit<br>Model Number FT4BI- | Indoor Unit | Range<br>Cooling Capacity<br>@95° OD BTUH | EER @<br>Nominal<br>Capacity | SEER | Nominal<br>Capacity | Range<br>SCFM |
|-------------------------------------|-------------|-------------------------------------------|------------------------------|------|---------------------|---------------|
| 024K                                | B6VMAI24K-B | 11,300-26,900                             | 14.6                         | 22   | 22,800              | 500-950       |
| 036K                                | B6VMAI36K-B | 14,200-40,700                             | 13.0                         | 21   | 35,000              | 680-1110      |
| 048K                                | B6VMAI48K-C | 14,300-48,000                             | 12.5                         | 21   | 44,500              | 725-1800      |

Minimum operating ambient temperature is 40°F

**NOTE:** Each system was operated at its nominal capacity.

Indoor conditions were 80F° dry-bulb temperature and 67F° wet-bulb temperature (approx. 51% relative humidity, 95F° outdoor temperature).

## SYSTEM HEATING CAPACITIES

### 22 SEER — Ultra High Efficiency — Single Phase

| Outdoor Unit<br>Model Number FT4BI- | Indoor Unit | Range<br>Heating Capacity<br>@47° OD BTUH | Nominal<br>Capacity | HSPF | COP @<br>Nominal<br>Capacity | CFM      |
|-------------------------------------|-------------|-------------------------------------------|---------------------|------|------------------------------|----------|
| 024K                                | B6VMAI24K-B | 6,500-24,100                              | 22,400              | 10   | 3.9                          | 500-950  |
| 036K                                | B6VMAI36K-B | 11,300-39,900                             | 34,000              | 9.6  | 3.4                          | 680-1110 |
| 048K                                | B6VMAI48K-C | 11,400-47,800                             | 46,000              | 10   | 3.6                          | 725-1800 |

Minimum operating ambient temperature is 12°F

**NOTE:** Each system was operated at its nominal capacity.

Indoor conditions were 70F° dry-bulb temperature and 47F° dry bulb temperature, 43F° wet bulb outdoor temperature

**See current AHRI Directory for certified combinations and ratings.**

[www.ahridirectory.org](http://www.ahridirectory.org)

# EXPANDED RATINGS - 2 TON WITH G7 FURNACE B CABINET

COOLING

| Outdoor Temperature: |                          | 60°F           |                   |      | 70°F           |                   |      | 80°F           |                   |      | 90°F           |                   |      | 95°F           |                   |      | 100°F          |                   |      | 110°F |                |                   | 120°F |                |                   |
|----------------------|--------------------------|----------------|-------------------|------|----------------|-------------------|------|----------------|-------------------|------|----------------|-------------------|------|----------------|-------------------|------|----------------|-------------------|------|-------|----------------|-------------------|-------|----------------|-------------------|
| Speed                | Indoor Tdb - in Twb - in | Total Capacity | Sensible Capacity | kW   | Total Capacity | Sensible Capacity | kW   | Total Capacity | Sensible Capacity | kW   | Total Capacity | Sensible Capacity | kW   | Total Capacity | Sensible Capacity | kW   | Total Capacity | Sensible Capacity | ity  | kW    | Total Capacity | Sensible Capacity | kW    | Total Capacity | Sensible Capacity |
| Minimum              | 80                       | 62             | 13.5              | 13.5 | 0.36           | 12.9              | 12.9 | 0.43           | 12.2              | 12.2 | 0.52           | 11.5              | 11.5 | 0.64           | 11.1              | 11.1 | 0.71           | 10.7              | 10.7 | 0.77  | 9.8            | 9.8               | 0.92  | 8.8            | 8.8               |
|                      | 80                       | 67             | 14.2              | 11.4 | 0.34           | 13.4              | 10.9 | 0.43           | 12.6              | 10.5 | 0.53           | 11.8              | 10.1 | 0.64           | 11.4              | 9.9  | 0.70           | 10.9              | 9.7  | 0.76  | 10.1           | 9.3               | 0.89  | 9.1            | 8.9               |
|                      | 80                       | 72             | 15.2              | 9.0  | 0.30           | 14.8              | 8.8  | 0.38           | 13.8              | 8.4  | 0.49           | 12.8              | 8.0  | 0.61           | 12.2              | 7.8  | 0.68           | 11.7              | 7.5  | 0.74  | 10.5           | 7.0               | 0.90  | 9.3            | 6.4               |
| Intermediate         | 75                       | 62             | 12.7              | 11.5 | 0.36           | 12.0              | 11.1 | 0.43           | 11.3              | 10.7 | 0.53           | 10.5              | 10.3 | 0.65           | 10.1              | 10.0 | 0.71           | 9.7               | 9.7  | 0.78  | 8.8            | 8.8               | 0.93  | 7.9            | 7.9               |
|                      | 80                       | 62             | 17.3              | 17.3 | 0.56           | 16.6              | 16.6 | 0.66           | 15.8              | 15.8 | 0.77           | 15.0              | 15.0 | 0.91           | 14.5              | 14.5 | 1.00           | 14.1              | 14.1 | 1.07  | 13.1           | 13.1              | 1.27  | 12.0           | 12.0              |
|                      | 80                       | 67             | 18.6              | 14.2 | 0.50           | 17.7              | 13.7 | 0.62           | 16.7              | 13.3 | 0.76           | 15.7              | 12.9 | 0.90           | 15.1              | 12.6 | 0.98           | 14.6              | 12.4 | 1.06  | 13.5           | 11.9              | 1.23  | 12.4           | 11.4              |
| Nominal              | 80                       | 72             | 20.0              | 11.2 | 0.52           | 19.1              | 10.9 | 0.61           | 18.2              | 10.6 | 0.73           | 17.0              | 10.1 | 0.88           | 16.4              | 9.8  | 0.96           | 15.8              | 9.6  | 1.05  | 14.4           | 9.0               | 1.26  | 12.9           | 8.3               |
|                      | 75                       | 62             | 16.5              | 14.1 | 0.55           | 15.7              | 13.7 | 0.65           | 14.8              | 13.3 | 0.77           | 13.9              | 12.8 | 0.90           | 13.5              | 12.6 | 0.99           | 13.0              | 12.3 | 1.06  | 12.0           | 11.7              | 1.25  | 10.9           | 10.9              |
|                      | 80                       | 62             | 25.0              | 24.0 | 1.01           | 23.9              | 23.5 | 1.19           | 22.9              | 22.9 | 1.37           | 21.9              | 21.9 | 1.56           | 21.3              | 21.3 | 1.65           | 20.7              | 20.7 | 1.76  | 19.5           | 19.5              | 1.95  | 18.1           | 18.1              |
| Maximum              | 80                       | 67             | 27.1              | 18.9 | 0.98           | 25.9              | 18.7 | 1.15           | 24.6              | 18.4 | 1.33           | 23.3              | 18.0 | 1.53           | 22.6              | 17.7 | 1.64           | 21.9              | 17.4 | 1.75  | 20.4           | 16.6              | 1.97  | 18.9           | 15.7              |
|                      | 80                       | 72             | 29.4              | 16.1 | 0.99           | 28.1              | 15.6 | 1.16           | 26.6              | 15.1 | 1.34           | 25.2              | 14.5 | 1.53           | 24.3              | 14.2 | 1.62           | 23.5              | 14.0 | 1.71  | 21.6           | 13.2              | 1.89  | 19.7           | 12.4              |
|                      | 75                       | 62             | 24.1              | 19.6 | 1.00           | 23.1              | 19.1 | 1.16           | 22.0              | 18.6 | 1.35           | 20.8              | 18.1 | 1.54           | 20.1              | 17.8 | 1.63           | 19.5              | 17.5 | 1.74  | 18.1           | 16.8              | 1.92  | 16.6           | 16.0              |
| Maximum              | 80                       | 62             | 30.0              | 27.8 | 1.36           | 28.6              | 27.1 | 1.57           | 27.2              | 26.5 | 1.80           | 25.8              | 25.7 | 2.04           | 25.2              | 25.2 | 2.16           | 24.6              | 24.6 | 2.28  | 23.1           | 23.1              | 2.53  | 21.4           | 21.4              |
|                      | 80                       | 67             | 32.0              | 23.2 | 1.39           | 30.6              | 22.6 | 1.58           | 29.2              | 22.1 | 1.80           | 27.7              | 21.5 | 2.03           | 26.9              | 21.2 | 2.16           | 26.1              | 20.8 | 2.28  | 24.4           | 20.1              | 2.55  | 22.6           | 19.2              |
|                      | 80                       | 72             | 35.3              | 18.8 | 1.33           | 33.7              | 18.2 | 1.55           | 32.0              | 17.6 | 1.78           | 30.1              | 16.9 | 2.02           | 29.1              | 16.5 | 2.13           | 28.1              | 16.1 | 2.25  | 25.9           | 15.3              | 2.46  | 23.6           | 14.3              |
|                      | 75                       | 62             | 28.9              | 22.8 | 1.34           | 27.6              | 22.1 | 1.55           | 26.3              | 21.4 | 1.77           | 24.8              | 20.8 | 2.01           | 24.0              | 20.4 | 2.13           | 23.3              | 20.1 | 2.25  | 21.6           | 19.3              | 2.50  | 19.9           | 18.5              |

Note: Capacity and Sensible Capacity are shown in units of thousands of Btu/h.

HEATING

| Outdoor Temperature: |  |                 | 12°F           |      |      | 17°            |      |      | 20°            |      |      | 30°            |      |      | 40°            |      |      | 47°            |      |      | 50°            |      |      | 60°            |      |  |
|----------------------|--|-----------------|----------------|------|------|----------------|------|------|----------------|------|------|----------------|------|------|----------------|------|------|----------------|------|------|----------------|------|------|----------------|------|--|
| Speed                |  | Indoor Tdb - °F | Total Capacity | COP  | kW   | Total Capacity | COP  | kW   | Total Capacity | COP  | kW   | Total Capacity | COP  | kW   | Total Capacity | COP  | kW   | Total Capacity | COP  | kW   | Total Capacity | COP  | kW   | Total Capacity |      |  |
| Minimum              |  | 60              | 2.2            | 1.79 | 0.36 | 2.8            | 2.31 | 0.36 | 3.2            | 2.62 | 0.36 | 4.5            | 3.70 | 0.35 | 5.8            | 4.80 | 0.36 | 6.7            | 5.80 | 0.34 | 7.2            | 6.12 | 0.34 | 8.4            | 7.51 |  |
|                      |  | 70              | 2.0            | 1.40 | 0.42 | 2.7            | 1.84 | 0.42 | 3.0            | 2.10 | 0.42 | 4.3            | 3.01 | 0.42 | 5.5            | 3.97 | 0.41 | 6.4            | 4.69 | 0.40 | 6.8            | 5.01 | 0.40 | 8.0            | 6.16 |  |
|                      |  | 80              | 1.9            | 1.14 | 0.50 | 2.6            | 1.51 | 0.50 | 2.8            | 1.68 | 0.50 | 4.0            | 2.39 | 0.49 | 5.3            | 3.18 | 0.49 | 6.0            | 3.73 | 0.47 | 6.5            | 4.05 | 0.47 | 7.6            | 4.90 |  |
| Intermediate         |  | 60              | 6.8            | 3.20 | 0.62 | 7.6            | 3.45 | 0.64 | 8.0            | 3.67 | 0.64 | 9.6            | 4.27 | 0.66 | 11.2           | 4.90 | 0.67 | 12.4           | 5.43 | 0.67 | 12.9           | 5.65 | 0.67 | 14.7           | 6.51 |  |
|                      |  | 70              | 6.5            | 2.63 | 0.73 | 7.3            | 2.86 | 0.74 | 7.7            | 3.01 | 0.75 | 9.2            | 3.51 | 0.77 | 10.8           | 4.05 | 0.78 | 11.9           | 4.46 | 0.78 | 12.4           | 4.65 | 0.78 | 14.1           | 5.34 |  |
|                      |  | 80              | 6.3            | 2.21 | 0.84 | 7.0            | 2.39 | 0.85 | 7.4            | 2.52 | 0.86 | 8.8            | 2.93 | 0.88 | 10.3           | 3.38 | 0.89 | 11.4           | 3.75 | 0.89 | 11.9           | 3.91 | 0.89 | 13.5           | 4.47 |  |
| Nominal              |  | 60              | 11.2           | 2.48 | 1.32 | 13.2           | 2.87 | 1.35 | 13.8           | 2.96 | 1.37 | 17.2           | 3.56 | 1.42 | 20.6           | 4.03 | 1.50 | 22.9           | 4.40 | 1.53 | 24.0           | 4.57 | 1.54 | 27.4           | 5.00 |  |
|                      |  | 70              | 10.8           | 2.13 | 1.48 | 12.4           | 2.41 | 1.51 | 13.4           | 2.56 | 1.53 | 16.7           | 3.05 | 1.60 | 19.9           | 3.50 | 1.67 | 22.2           | 3.81 | 1.71 | 23.2           | 3.93 | 1.73 | 26.5           | 4.31 |  |
|                      |  | 80              | 10.4           | 1.84 | 1.66 | 12.4           | 2.14 | 1.70 | 12.9           | 2.20 | 1.72 | 16.1           | 2.63 | 1.79 | 19.3           | 3.03 | 1.87 | 21.4           | 3.26 | 1.92 | 22.5           | 3.41 | 1.93 | 25.7           | 3.73 |  |
| Maximum              |  | 60              | 14.6           | 2.83 | 1.51 | 16.0           | 3.05 | 1.54 | 16.9           | 3.20 | 1.54 | 19.6           | 3.60 | 1.60 | 22.5           | 4.03 | 1.64 | 24.6           | 4.32 | 1.67 | 25.6           | 4.45 | 1.69 | 28.7           | 4.85 |  |
|                      |  | 70              | 14.1           | 2.47 | 1.67 | 15.4           | 2.65 | 1.70 | 16.2           | 2.76 | 1.72 | 18.9           | 3.13 | 1.77 | 21.7           | 3.50 | 1.82 | 23.7           | 3.75 | 1.86 | 24.6           | 3.86 | 1.87 | 27.6           | 4.22 |  |
|                      |  | 80              | 13.5           | 2.13 | 1.86 | 14.8           | 2.30 | 1.88 | 15.6           | 2.41 | 1.90 | 18.2           | 2.72 | 1.96 | 20.8           | 3.03 | 2.01 | 22.8           | 3.25 | 2.06 | 23.6           | 3.36 | 2.06 | 26.5           | 3.67 |  |

EXPANDED RATINGS - 3 TON WITH G7 FURNACE B CABINET

COOLING

| Outdoor Temperature: |                 |                 | 60°F           |                   |      | 70°F           |                   |      | 80°F           |                   |      | 90°F           |                   |      | 95°F           |                   |      | 100°F          |                   |      | 110°F          |                   |      | 120°F          |                   |      |
|----------------------|-----------------|-----------------|----------------|-------------------|------|----------------|-------------------|------|----------------|-------------------|------|----------------|-------------------|------|----------------|-------------------|------|----------------|-------------------|------|----------------|-------------------|------|----------------|-------------------|------|
| Speed                | Indoor Tdb - in | Indoor Twb - in | Total Capacity | Sensible Capacity | kW   | Total Capacity | Sensible Capacity | kW   | Total Capacity | Sensible Capacity | kW   | Total Capacity | Sensible Capacity | kW   | Total Capacity | Sensible Capacity | kW   | Total Capacity | Sensible Capacity | kW   | Total Capacity | Sensible Capacity | kW   | Total Capacity | Sensible Capacity | kW   |
| Minimum              | 80              | 62              | 16.2           | 16.2              | 0.44 | 15.4           | 15.4              | 0.55 | 14.5           | 14.5              | 0.66 | 13.8           | 13.8              | 0.80 | 13.6           | 13.6              | 0.88 | 13.3           | 13.3              | 0.95 | 13.0           | 13.0              | 1.11 | 12.8           | 12.8              | 1.29 |
|                      | 80              | 67              | 17.3           | 14.4              | 0.38 | 16.2           | 13.9              | 0.52 | 15.2           | 13.4              | 0.66 | 14.1           | 12.9              | 0.80 | 13.6           | 12.6              | 0.87 | 13.1           | 12.3              | 0.94 | 12.1           | 11.7              | 1.08 | 11.0           | 11.0              | 1.21 |
|                      | 80              | 72              | 17.8           | 11.0              | 0.41 | 17.0           | 10.7              | 0.51 | 15.9           | 10.3              | 0.63 | 14.9           | 9.8               | 0.78 | 14.6           | 9.7               | 0.86 | 14.2           | 9.5               | 0.93 | 13.8           | 9.3               | 1.10 | 13.7           | 9.0               | 1.29 |
| Intermediate         | 75              | 62              | 14.8           | 13.9              | 0.46 | 13.8           | 13.5              | 0.57 | 13.0           | 13.0              | 0.68 | 12.4           | 12.4              | 0.82 | 12.1           | 12.1              | 0.89 | 11.9           | 11.9              | 0.96 | 11.6           | 11.6              | 1.12 | 11.4           | 11.4              | 1.29 |
|                      | 80              | 62              | 24.9           | 23.7              | 0.91 | 23.7           | 23.0              | 1.08 | 22.5           | 22.4              | 1.26 | 21.5           | 21.5              | 1.46 | 20.9           | 20.9              | 1.57 | 20.4           | 20.4              | 1.68 | 19.2           | 19.2              | 1.92 | 17.6           | 17.6              | 2.18 |
|                      | 80              | 67              | 27.1           | 19.9              | 0.91 | 25.7           | 19.0              | 1.07 | 24.3           | 18.4              | 1.25 | 22.9           | 17.9              | 1.45 | 22.2           | 17.6              | 1.56 | 21.4           | 17.3              | 1.68 | 20.0           | 16.6              | 1.93 | 18.4           | 15.7              | 2.20 |
| Nominal              | 80              | 72              | 29.3           | 15.8              | 0.80 | 27.6           | 15.3              | 0.99 | 26.2           | 14.7              | 1.20 | 24.7           | 14.2              | 1.43 | 24.0           | 13.9              | 1.54 | 23.1           | 13.5              | 1.64 | 21.4           | 12.8              | 1.91 | 19.4           | 11.9              | 2.17 |
|                      | 75              | 62              | 23.7           | 19.2              | 0.91 | 22.6           | 18.6              | 1.08 | 21.4           | 18.1              | 1.26 | 20.2           | 17.5              | 1.47 | 19.6           | 17.2              | 1.57 | 19.0           | 17.0              | 1.69 | 17.7           | 16.3              | 1.92 | 16.2           | 15.4              | 2.18 |
|                      | 80              | 62              | 37.6           | 31.7              | 1.76 | 35.9           | 30.8              | 2.02 | 34.3           | 30.0              | 2.30 | 32.5           | 29.2              | 2.59 | 31.5           | 28.5              | 2.73 | 30.3           | 27.8              | 2.89 | 28.2           | 26.8              | 3.19 | 25.9           | 25.6              | 3.51 |
| Maximum              | 80              | 67              | 38.4           | 24.9              | 1.73 | 37.5           | 24.9              | 2.00 | 36.2           | 24.5              | 2.29 | 34.6           | 23.8              | 2.59 | 33.6           | 23.4              | 2.75 | 32.5           | 22.9              | 2.92 | 30.1           | 21.9              | 3.26 | 27.2           | 21.1              | 3.63 |
|                      | 80              | 72              | 44.2           | 22.1              | 1.71 | 42.1           | 21.3              | 2.00 | 40.2           | 20.5              | 2.29 | 38.0           | 19.7              | 2.61 | 36.9           | 19.3              | 2.77 | 35.6           | 18.8              | 2.93 | 32.9           | 17.8              | 3.25 | 29.9           | 16.7              | 3.59 |
|                      | 75              | 62              | 35.9           | 26.3              | 1.76 | 34.5           | 25.6              | 2.03 | 32.9           | 24.9              | 2.30 | 31.2           | 24.0              | 2.60 | 30.2           | 23.5              | 2.75 | 29.2           | 23.1              | 2.90 | 27.506         | 22.222            | 3.24 | 24.9           | 20.7              | 3.52 |
|                      | 80              | 62              | 43.2           | 37.0              | 2.28 | 41.3           | 36.0              | 2.59 | 39.3           | 35.0              | 2.93 | 37.3           | 34.1              | 3.27 | 36.1           | 33.4              | 3.45 | 34.8           | 32.7              | 3.61 | 32.6           | 31.7              | 3.97 | 30.0           | 30.0              | 4.35 |
|                      | 80              | 67              | 45.5           | 32.3              | 2.33 | 44.0           | 30.5              | 2.63 | 42.2           | 29.2              | 2.95 | 40.2           | 28.2              | 3.29 | 39.1           | 27.7              | 3.48 | 37.9           | 27.3              | 3.66 | 35.4           | 26.2              | 4.06 | 32.7           | 24.9              | 4.47 |
|                      | 80              | 72              | 51.4           | 26.0              | 2.24 | 49.1           | 25.1              | 2.58 | 46.6           | 24.1              | 2.96 | 44.0           | 23.1              | 3.33 | 42.4           | 22.6              | 3.51 | 41.0           | 22.0              | 3.69 | 37.7           | 20.7              | 4.07 | 34.1           | 19.5              | 4.46 |
|                      | 75              | 62              | 41.1           | 30.4              | 2.28 | 39.5           | 29.4              | 2.59 | 37.6           | 28.5              | 2.94 | 35.6           | 27.6              | 3.28 | 34.5           | 27.1              | 3.46 | 33.4           | 26.5              | 3.63 | 31.0           | 25.4              | 3.99 | 28.4           | 24.2              | 4.36 |

Note: Capacity and Sensible Capacity are shown in units of thousands of Btu/h.

HEATING

| Outdoor Temperature: |                 |                 | 12°F           |      |      | 17°            |      |      | 20°            |      |      | 30°            |      |      | 40°            |      |      | 47°            |      |      | 50°            |      |      | 60°            |      |      |
|----------------------|-----------------|-----------------|----------------|------|------|----------------|------|------|----------------|------|------|----------------|------|------|----------------|------|------|----------------|------|------|----------------|------|------|----------------|------|------|
| Speed                | Indoor Tdb - °F | Indoor Tdb - °F | Total Capacity | COP  | kW   | Total Capacity | COP  | kW   | Total Capacity | COP  | kW   | Total Capacity | COP  | kW   | Total Capacity | COP  | kW   | Total Capacity | COP  | kW   | Total Capacity | COP  | kW   | Total Capacity | COP  | kW   |
| Minimum              | 60              |                 | 6.3            | 2.97 | 0.62 | 7.1            | 3.26 | 0.64 | 7.4            | 3.36 | 0.64 | 9.1            | 4.04 | 0.66 | 10.7           | 4.78 | 0.66 | 12.1           | 5.45 | 0.65 | 12.6           | 5.75 | 0.64 | 14.7           | 7.01 | 0.62 |
|                      | 70              |                 | 6.0            | 2.48 | 0.71 | 6.7            | 2.70 | 0.72 | 7.1            | 2.85 | 0.73 | 8.6            | 3.39 | 0.74 | 10.2           | 4.04 | 0.74 | 11.5           | 4.59 | 0.73 | 12.0           | 4.86 | 0.73 | 14.0           | 5.89 | 0.70 |
|                      | 80              |                 | 5.8            | 2.11 | 0.80 | 6.4            | 2.28 | 0.83 | 6.8            | 2.38 | 0.83 | 8.3            | 2.86 | 0.85 | 9.8            | 3.36 | 0.85 | 11.0           | 3.85 | 0.83 | 11.5           | 4.08 | 0.83 | 13.5           | 4.96 | 0.80 |
| Intermediate         | 60              |                 | 11.1           | 2.87 | 1.13 | 12.1           | 3.06 | 1.15 | 12.7           | 3.18 | 1.17 | 15.0           | 3.67 | 1.19 | 17.5           | 4.19 | 1.22 | 19.5           | 4.61 | 1.24 | 20.3           | 4.76 | 1.25 | 23.4           | 5.42 | 1.26 |
|                      | 70              |                 | 10.8           | 2.51 | 1.26 | 11.8           | 2.68 | 1.29 | 12.4           | 2.79 | 1.30 | 14.6           | 3.19 | 1.34 | 17.0           | 3.65 | 1.37 | 18.9           | 4.01 | 1.38 | 19.8           | 4.17 | 1.39 | 22.8           | 4.75 | 1.41 |
|                      | 80              |                 | 10.6           | 2.21 | 1.40 | 11.5           | 2.35 | 1.43 | 12.1           | 2.44 | 1.45 | 14.3           | 2.81 | 1.49 | 16.7           | 3.23 | 1.52 | 18.5           | 3.54 | 1.53 | 19.4           | 3.66 | 1.55 | 22.3           | 4.19 | 1.56 |
| Nominal              | 60              |                 | 20.8           | 2.90 | 2.11 | 22.8           | 3.06 | 2.18 | 24.0           | 3.16 | 2.23 | 28.0           | 3.44 | 2.39 | 32.0           | 3.68 | 2.55 | 34.9           | 3.85 | 2.66 | 36.1           | 3.90 | 2.71 | 40.1           | 4.10 | 2.87 |
|                      | 70              |                 | 20.2           | 2.55 | 2.32 | 22.2           | 2.70 | 2.41 | 23.4           | 2.78 | 2.46 | 27.3           | 3.04 | 2.64 | 31.2           | 3.26 | 2.81 | 34.0           | 3.40 | 2.93 | 35.2           | 3.46 | 2.98 | 39.1           | 3.63 | 3.16 |
|                      | 80              |                 | 19.8           | 2.29 | 2.54 | 21.7           | 2.42 | 2.62 | 22.9           | 2.50 | 2.68 | 26.7           | 2.73 | 2.87 | 30.6           | 2.94 | 3.06 | 33.3           | 3.07 | 3.18 | 34.4           | 3.10 | 3.25 | 38.3           | 3.27 | 3.44 |
| Maximum              | 60              |                 | 25.2           | 2.63 | 2.80 | 27.4           | 2.78 | 2.88 | 28.7           | 2.87 | 2.93 | 33.1           | 3.13 | 3.10 | 37.4           | 3.38 | 3.25 | 40.4           | 3.52 | 3.36 | 41.6           | 3.59 | 3.40 | 45.8           | 3.80 | 3.53 |
|                      | 70              |                 | 24.9           | 2.42 | 3.01 | 27.1           | 2.55 | 3.11 | 28.4           | 2.63 | 3.16 | 32.7           | 2.87 | 3.34 | 36.9           | 3.08 | 3.51 | 39.9           | 3.23 | 3.62 | 41.1           | 3.29 | 3.67 | 45.3           | 3.48 | 3.81 |
|                      | 80              |                 | 24.3           | 2.16 | 3.28 | 26.5           | 2.29 | 3.38 | 27.7           | 2.36 | 3.44 | 32.0           | 2.58 | 3.64 | 36.1           | 2.78 | 3.81 | 39.0           | 2.90 | 3.93 | 40.2           | 2.95 | 3.99 | 44.3           | 3.13 | 4.14 |

EXPANDED RATINGS - 4 TON WITH G7 FURNACE C CABINET

COOLING

| Outdoor Temperature: |                 |                 | 60°F           |                   |      | 70°F           |                   |      | 80°F           |                   |      | 90°F           |                   |      | 95°F           |                   |      | 100°F          |                   |      | 110°F          |                   |      | 120°F          |                   |  |
|----------------------|-----------------|-----------------|----------------|-------------------|------|----------------|-------------------|------|----------------|-------------------|------|----------------|-------------------|------|----------------|-------------------|------|----------------|-------------------|------|----------------|-------------------|------|----------------|-------------------|--|
| Speed                | Indoor Tdb - in | Indoor Twb - in | Total Capacity | Sensible Capacity | kW   | Total Capacity | Sensible Capacity | kW   | Total Capacity | Sensible Capacity | kW   | Total Capacity | Sensible Capacity | kW   | Total Capacity | Sensible Capacity | kW   | Total Capacity | Sensible Capacity | kW   | Total Capacity | Sensible Capacity | kW   | Total Capacity | Sensible Capacity |  |
| Minimum              | 80              | 62              | 16.9           | 16.9              | 0.40 | 16.0           | 16.0              | 0.51 | 15.1           | 15.1              | 0.62 | 14.3           | 14.3              | 0.76 | 14.0           | 14.0              | 0.84 | 13.7           | 13.7              | 0.91 | 13.3           | 13.3              | 1.06 | 13.1           | 13.1              |  |
|                      | 80              | 67              | 18.2           | 13.7              | 0.34 | 16.9           | 13.5              | 0.48 | 15.7           | 13.2              | 0.62 | 14.6           | 12.8              | 0.76 | 14.1           | 12.6              | 0.84 | 13.5           | 12.4              | 0.91 | 12.5           | 11.9              | 1.06 | 11.5           | 11.0              |  |
|                      | 80              | 72              | 18.0           | 11.5              | 0.37 | 17.5           | 11.3              | 0.47 | 16.3           | 10.8              | 0.60 | 15.3           | 10.5              | 0.74 | 14.9           | 10.3              | 0.82 | 14.5           | 10.2              | 0.90 | 14.0           | 10.0              | 1.05 | 13.7           | 9.8               |  |
|                      | 75              | 62              | 15.3           | 15.0              | 0.42 | 14.3           | 14.3              | 0.53 | 13.5           | 13.5              | 0.66 | 12.8           | 12.8              | 0.78 | 12.5           | 12.5              | 0.86 | 12.3           | 12.3              | 0.93 | 12.0           | 12.0              | 1.07 | 11.8           | 11.8              |  |
| Intermediate         | 80              | 62              | 31.0           | 30.8              | 1.09 | 29.7           | 29.7              | 1.28 | 28.4           | 28.4              | 1.48 | 27.1           | 27.1              | 1.69 | 26.4           | 26.4              | 1.80 | 25.6           | 25.6              | 1.91 | 23.8           | 23.8              | 2.15 | 21.9           | 21.9              |  |
|                      | 80              | 67              | 32.3           | 23.6              | 1.00 | 31.2           | 23.1              | 1.22 | 29.8           | 22.6              | 1.45 | 28.3           | 22.0              | 1.68 | 27.4           | 21.7              | 1.80 | 26.5           | 21.4              | 1.92 | 24.6           | 20.5              | 2.17 | 22.4           | 19.5              |  |
|                      | 80              | 72              | 35.9           | 20.1              | 1.01 | 34.2           | 19.4              | 1.22 | 32.3           | 18.8              | 1.44 | 30.6           | 18.1              | 1.67 | 29.6           | 17.7              | 1.79 | 28.4           | 17.2              | 1.90 | 26.1           | 16.2              | 2.15 | 23.5           | 15.2              |  |
|                      | 75              | 62              | 29.4           | 24.9              | 1.09 | 28.0           | 24.2              | 1.28 | 26.6           | 23.4              | 1.49 | 25.0           | 22.7              | 1.70 | 24.2           | 22.3              | 1.81 | 23.4           | 21.8              | 1.92 | 21.7           | 20.9              | 2.15 | 19.8           | 19.8              |  |
| Nominal              | 80              | 62              | 47.3           | 43.4              | 2.64 | 45.4           | 42.3              | 2.96 | 43.4           | 41.4              | 3.29 | 41.3           | 40.3              | 3.64 | 40.2           | 39.8              | 3.83 | 39.2           | 39.1              | 4.01 | 37.3           | 37.3              | 4.40 | 35.3           | 35.3              |  |
|                      | 80              | 67              | 50.9           | 38.8              | 2.64 | 48.9           | 37.8              | 2.96 | 46.6           | 36.8              | 3.30 | 44.3           | 35.8              | 3.67 | 43.0           | 35.3              | 3.87 | 41.7           | 34.8              | 4.08 | 39.0           | 33.8              | 4.52 | 36.6           | 32.9              |  |
|                      | 80              | 72              | 55.9           | 29.4              | 2.62 | 53.0           | 28.4              | 2.97 | 50.2           | 27.3              | 3.36 | 47.6           | 26.4              | 3.73 | 46.4           | 25.9              | 3.92 | 45.2           | 25.4              | 4.10 | 42.9           | 24.5              | 4.47 | 40.4           | 23.6              |  |
|                      | 75              | 62              | 45.3           | 35.2              | 2.65 | 43.4           | 34.2              | 2.96 | 41.4           | 33.2              | 3.30 | 39.3           | 32.2              | 3.66 | 38.2           | 31.7              | 3.84 | 37.1           | 31.1              | 4.03 | 34.9           | 30.0              | 4.40 | 32.6           | 28.8              |  |
| Maximum              | 80              | 62              | 55.6           | 50.8              | 3.44 | 53.5           | 49.9              | 3.79 | 51.6           | 48.8              | 4.19 | 49.5           | 47.7              | 4.62 | 48.4           | 47.2              | 4.85 | 47.3           | 46.5              | 5.07 | 45.2           | 45.0              | 5.53 | 43.2           | 43.2              |  |
|                      | 80              | 67              | 60.3           | 45.6              | 3.46 | 57.8           | 44.5              | 3.85 | 55.5           | 43.4              | 4.27 | 53.1           | 42.3              | 4.71 | 52.0           | 41.8              | 4.93 | 50.9           | 41.2              | 5.16 | 48.5           | 40.1              | 5.60 | 46.1           | 39.0              |  |
|                      | 80              | 72              | 65.4           | 34.2              | 3.49 | 62.6           | 33.1              | 3.91 | 60.0           | 32.2              | 4.35 | 57.6           | 31.3              | 4.80 | 56.4           | 30.9              | 5.01 | 55.3           | 30.4              | 5.23 | 53.0           | 29.7              | 5.68 | 50.6           | 28.8              |  |
|                      | 75              | 62              | 53.2           | 41.2              | 3.45 | 51.3           | 40.2              | 3.81 | 49.3           | 39.2              | 4.22 | 47.2           | 38.2              | 4.64 | 46.1           | 37.6              | 4.87 | 45.0           | 37.1              | 5.09 | 42.7           | 35.9              | 5.54 | 40.4           | 34.7              |  |

Note: Capacity and Sensible Capacity are shown in units of thousands of Btu/h.

HEATING

| Outdoor Temperature: |                 |                | 12°F |      |                | 17°  |      |                | 20°  |      |                | 30°  |      |                | 40°  |      |                | 47°  |      |                | 50°  |      |                | 60°  |      |      |
|----------------------|-----------------|----------------|------|------|----------------|------|------|----------------|------|------|----------------|------|------|----------------|------|------|----------------|------|------|----------------|------|------|----------------|------|------|------|
| Speed                | Indoor Tdb - °F | Total Capacity | COP  | kW   | Total Capacity | COP  | kW   | Total Capacity | COP  | kW   | Total Capacity | COP  | kW   | Total Capacity | COP  | kW   | Total Capacity | COP  | kW   | Total Capacity | COP  | kW   | Total Capacity | COP  | kW   |      |
| Minimum              |                 | 60             | 5.6  | 2.70 | 0.61           | 6.3  | 2.99 | 0.62           | 6.8  | 3.22 | 0.62           | 8.4  | 4.13 | 0.60           | 10.1 | 4.63 | 0.64           | 11.2 | 5.24 | 0.63           | 11.8 | 5.56 | 0.62           | 13.6 | 6.67 | 0.59 |
|                      |                 | 70             | 5.4  | 2.23 | 0.71           | 6.1  | 2.48 | 0.72           | 6.5  | 2.63 | 0.73           | 8.0  | 3.18 | 0.74           | 9.6  | 3.81 | 0.74           | 10.8 | 4.31 | 0.73           | 11.3 | 4.55 | 0.73           | 13.0 | 5.46 | 0.70 |
|                      |                 | 80             | 5.1  | 1.84 | 0.82           | 5.8  | 2.03 | 0.84           | 6.3  | 2.19 | 0.84           | 7.8  | 2.81 | 0.81           | 9.3  | 3.20 | 0.85           | 10.4 | 3.60 | 0.85           | 10.9 | 3.81 | 0.84           | 12.5 | 4.54 | 0.81 |
| Intermediate         |                 | 60             | 14.1 | 3.33 | 1.24           | 15.2 | 3.53 | 1.27           | 16.0 | 3.65 | 1.28           | 18.5 | 4.14 | 1.31           | 21.3 | 4.62 | 1.35           | 23.4 | 5.05 | 1.36           | 24.2 | 5.22 | 1.36           | 27.3 | 5.85 | 1.37 |
|                      |                 | 70             | 13.6 | 2.85 | 1.40           | 14.8 | 3.03 | 1.43           | 15.5 | 3.15 | 1.44           | 17.9 | 3.55 | 1.48           | 20.6 | 4.00 | 1.51           | 22.6 | 4.34 | 1.52           | 23.4 | 4.49 | 1.53           | 26.5 | 5.04 | 1.54 |
|                      |                 | 80             | 13.3 | 2.50 | 1.56           | 14.4 | 2.64 | 1.59           | 15.1 | 2.75 | 1.61           | 17.5 | 3.12 | 1.65           | 20.1 | 3.49 | 1.69           | 22.1 | 3.80 | 1.70           | 22.8 | 3.92 | 1.71           | 25.9 | 4.42 | 1.72 |
| Nominal              |                 | 60             | 27.2 | 2.67 | 2.99           | 30.3 | 2.87 | 3.09           | 32.1 | 2.98 | 3.16           | 37.9 | 3.33 | 3.33           | 43.1 | 3.60 | 3.51           | 46.5 | 3.76 | 3.62           | 47.8 | 3.81 | 3.67           | 52.1 | 4.02 | 3.80 |
|                      |                 | 70             | 26.9 | 2.41 | 3.27           | 30.0 | 2.60 | 3.38           | 31.8 | 2.70 | 3.45           | 37.5 | 3.01 | 3.65           | 42.7 | 3.25 | 3.84           | 46.0 | 3.40 | 3.96           | 47.4 | 3.46 | 4.01           | 51.5 | 3.62 | 4.17 |
|                      |                 | 80             | 26.3 | 2.15 | 3.58           | 29.3 | 2.32 | 3.70           | 31.1 | 2.41 | 3.78           | 36.6 | 2.69 | 3.99           | 41.7 | 2.90 | 4.21           | 44.9 | 3.03 | 4.35           | 46.2 | 3.08 | 4.40           | 50.3 | 3.23 | 4.56 |
| Maximum              |                 | 60             | 30.1 | 2.59 | 3.41           | 32.7 | 2.75 | 3.49           | 34.1 | 2.84 | 3.53           | 39.2 | 3.14 | 3.66           | 44.1 | 3.41 | 3.79           | 47.3 | 3.58 | 3.87           | 48.8 | 3.65 | 3.92           | 53.4 | 3.89 | 4.02 |
|                      |                 | 70             | 30.0 | 2.42 | 3.64           | 32.6 | 2.57 | 3.72           | 34.1 | 2.65 | 3.77           | 39.1 | 2.93 | 3.92           | 44.0 | 3.18 | 4.05           | 47.3 | 3.35 | 4.14           | 48.7 | 3.41 | 4.18           | 53.3 | 3.64 | 4.30 |
|                      |                 | 80             | 29.6 | 2.21 | 3.93           | 32.2 | 2.35 | 4.02           | 33.6 | 2.43 | 4.05           | 38.6 | 2.68 | 4.22           | 43.4 | 2.91 | 4.37           | 46.6 | 3.06 | 4.46           | 48.0 | 3.12 | 4.51           | 52.6 | 3.33 | 4.64 |

EXPANDED RATINGS - 2 TON IQ HEAT PUMP WITH B6VMAI AIR HANDLER

2 Ton iQ Heat Pump, with B6VMAI Air Handler  
COOLING

| Outdoor Temperature: |                 | 60°F           |      |                   | 70°F           |      |                   | 80°F           |      |                   | 90°F           |      |                   | 95°F           |      |                   | 100°F          |      |                   | 110°F          |      |                   | 120°F          |      |                   |
|----------------------|-----------------|----------------|------|-------------------|----------------|------|-------------------|----------------|------|-------------------|----------------|------|-------------------|----------------|------|-------------------|----------------|------|-------------------|----------------|------|-------------------|----------------|------|-------------------|
| Speed                | Indoor Tdb - in | Total Capacity | kW   | Sensible Capacity | Total Capacity | kW   | Sensible Capacity | Total Capacity | kW   | Sensible Capacity | Total Capacity | kW   | Sensible Capacity | Total Capacity | kW   | Sensible Capacity | Total Capacity | kW   | Sensible Capacity | Total Capacity | kW   | Sensible Capacity | Total Capacity | kW   | Sensible Capacity |
| Minimum              | 80              | 62             | 13.5 | 13.5              | 0.34           | 12.9 | 12.9              | 0.41           | 12.2 | 12.2              | 0.50           | 11.5 | 11.5              | 0.61           | 11.1 | 11.1              | 0.68           | 10.7 | 10.7              | 0.74           | 9.8  | 9.8               | 0.88           | 8.8  | 8.8               |
|                      | 80              | 67             | 14.2 | 10.9              | 0.33           | 13.4 | 10.5              | 0.41           | 12.6 | 10.0              | 0.51           | 11.8 | 9.7               | 0.62           | 11.3 | 9.5               | 0.67           | 10.9 | 9.3               | 0.73           | 10.0 | 8.9               | 0.85           | 9.1  | 8.5               |
|                      | 80              | 72             | 15.2 | 9.0               | 0.29           | 14.8 | 8.8               | 0.36           | 13.8 | 8.4               | 0.47           | 12.8 | 8.0               | 0.58           | 12.2 | 7.8               | 0.65           | 11.7 | 7.5               | 0.71           | 10.5 | 7.0               | 0.86           | 9.3  | 6.4               |
| Intermediate         | 75              | 62             | 12.7 | 11.4              | 0.34           | 12.0 | 11.1              | 0.41           | 11.2 | 10.7              | 0.51           | 10.5 | 10.2              | 0.62           | 10.1 | 10.0              | 0.68           | 9.6  | 9.6               | 0.75           | 8.8  | 8.8               | 0.89           | 7.9  | 7.9               |
|                      | 80              | 62             | 17.5 | 17.5              | 0.52           | 16.8 | 16.8              | 0.61           | 16.0 | 16.0              | 0.71           | 15.2 | 15.2              | 0.84           | 14.7 | 14.7              | 0.92           | 14.3 | 14.3              | 0.99           | 13.3 | 13.3              | 1.17           | 12.2 | 12.2              |
|                      | 80              | 67             | 18.9 | 13.8              | 0.46           | 17.9 | 13.3              | 0.57           | 16.9 | 12.9              | 0.70           | 15.9 | 12.5              | 0.83           | 15.4 | 12.2              | 0.90           | 14.8 | 12.0              | 0.98           | 13.7 | 11.6              | 1.13           | 12.6 | 11.1              |
| Nominal              | 80              | 72             | 20.3 | 11.4              | 0.48           | 19.4 | 11.1              | 0.56           | 18.4 | 10.7              | 0.67           | 17.2 | 10.2              | 0.81           | 16.6 | 10.0              | 0.89           | 16.0 | 9.7               | 0.97           | 14.6 | 9.1               | 1.16           | 13.1 | 8.4               |
|                      | 75              | 62             | 16.7 | 14.3              | 0.51           | 15.9 | 13.9              | 0.60           | 15.0 | 13.5              | 0.71           | 14.1 | 13.0              | 0.83           | 13.7 | 12.7              | 0.91           | 13.2 | 12.5              | 0.98           | 12.2 | 11.9              | 1.15           | 11.1 | 11.1              |
|                      | 80              | 62             | 25.4 | 24.4              | 0.97           | 24.3 | 23.9              | 1.14           | 23.3 | 23.3              | 1.32           | 22.3 | 22.3              | 1.50           | 21.7 | 21.7              | 1.59           | 21.1 | 21.1              | 1.69           | 19.8 | 19.8              | 1.87           | 18.4 | 18.4              |
| Maximum              | 80              | 67             | 27.6 | 18.6              | 0.94           | 26.4 | 18.5              | 1.11           | 25.1 | 18.2              | 1.28           | 23.7 | 17.7              | 1.47           | 23.0 | 17.5              | 1.57           | 22.3 | 17.2              | 1.68           | 20.8 | 16.4              | 1.90           | 19.2 | 15.5              |
|                      | 80              | 72             | 29.9 | 16.4              | 0.95           | 28.6 | 15.9              | 1.12           | 27.1 | 15.4              | 1.29           | 25.6 | 14.8              | 1.47           | 24.7 | 14.5              | 1.56           | 23.9 | 14.2              | 1.64           | 22.0 | 13.4              | 1.82           | 20.0 | 12.6              |
|                      | 75              | 62             | 24.5 | 19.9              | 0.96           | 23.5 | 19.5              | 1.12           | 22.3 | 18.9              | 1.30           | 21.1 | 18.4              | 1.48           | 20.5 | 18.1              | 1.57           | 19.8 | 17.8              | 1.67           | 18.4 | 17.1              | 1.85           | 16.9 | 16.3              |
|                      | 80              | 62             | 30.5 | 28.3              | 1.31           | 29.1 | 27.6              | 1.51           | 27.7 | 27.0              | 1.73           | 26.3 | 26.2              | 1.96           | 25.6 | 25.6              | 2.08           | 25.0 | 25.0              | 2.19           | 23.5 | 23.5              | 2.43           | 21.8 | 21.8              |
|                      | 80              | 67             | 32.5 | 22.9              | 1.33           | 31.2 | 22.4              | 1.52           | 29.7 | 21.8              | 1.73           | 28.2 | 21.2              | 1.95           | 27.4 | 20.9              | 2.07           | 26.6 | 20.6              | 2.20           | 24.8 | 19.8              | 2.46           | 23.0 | 19.0              |
|                      | 80              | 72             | 35.9 | 19.1              | 1.28           | 34.3 | 18.5              | 1.49           | 32.6 | 17.9              | 1.71           | 30.6 | 17.2              | 1.94           | 29.6 | 16.8              | 2.05           | 28.6 | 16.4              | 2.16           | 26.4 | 15.6              | 2.37           | 24.0 | 14.6              |
|                      | 75              | 62             | 29.4 | 23.2              | 1.29           | 28.1 | 22.5              | 1.49           | 26.7 | 21.8              | 1.70           | 25.2 | 21.1              | 1.93           | 24.5 | 20.8              | 2.05           | 23.7 | 20.4              | 2.16           | 22.0 | 19.7              | 2.40           | 20.2 | 18.8              |

Note: Capacity and Sensible Capacity are shown in units of thousands of Btu/h.

HEATING

| Outdoor Temperature: |                 | 12°F           |      |      | 17°            |      |      | 20°            |      |      | 30°            |      |      | 40°            |      |      | 47°            |      |      | 50°            |      |      | 60°            |      |      |
|----------------------|-----------------|----------------|------|------|----------------|------|------|----------------|------|------|----------------|------|------|----------------|------|------|----------------|------|------|----------------|------|------|----------------|------|------|
| Speed                | Indoor Tdb - °F | Total Capacity | COP  | kW   | Total Capacity | COP  | kW   | Total Capacity | COP  | kW   | Total Capacity | COP  | kW   | Total Capacity | COP  | kW   | Total Capacity | COP  | kW   | Total Capacity | COP  | kW   | Total Capacity | COP  | kW   |
| Minimum              | 60              | 2.5            | 2.14 | 0.34 | 3.1            | 2.64 | 0.34 | 3.5            | 2.95 | 0.34 | 4.7            | 4.00 | 0.34 | 5.9            | 5.14 | 0.34 | 6.8            | 6.03 | 0.33 | 7.2            | 6.44 | 0.33 | 8.4            | 8.00 | 0.31 |
|                      | 70              | 2.3            | 1.74 | 0.40 | 2.9            | 2.16 | 0.40 | 3.3            | 2.41 | 0.40 | 4.5            | 3.26 | 0.40 | 5.6            | 4.20 | 0.39 | 6.5            | 4.92 | 0.39 | 6.8            | 5.26 | 0.38 | 8.0            | 6.53 | 0.36 |
|                      | 80              | 2.2            | 1.40 | 0.47 | 2.8            | 1.73 | 0.47 | 3.1            | 1.93 | 0.47 | 4.2            | 2.62 | 0.47 | 5.4            | 3.37 | 0.47 | 6.1            | 3.95 | 0.46 | 6.5            | 4.22 | 0.45 | 7.6            | 5.24 | 0.43 |
| Intermediate         | 60              | 6.9            | 3.29 | 0.61 | 7.7            | 3.59 | 0.63 | 8.1            | 3.77 | 0.63 | 9.8            | 4.39 | 0.65 | 11.4           | 5.07 | 0.66 | 12.6           | 5.59 | 0.66 | 13.1           | 5.82 | 0.66 | 14.9           | 6.69 | 0.65 |
|                      | 70              | 6.6            | 2.72 | 0.71 | 7.4            | 2.96 | 0.73 | 7.8            | 3.11 | 0.74 | 9.4            | 3.62 | 0.76 | 11.0           | 4.18 | 0.77 | 12.1           | 4.61 | 0.77 | 12.6           | 4.81 | 0.77 | 14.3           | 5.52 | 0.76 |
|                      | 80              | 6.4            | 2.28 | 0.82 | 7.1            | 2.48 | 0.84 | 7.5            | 2.60 | 0.85 | 9.0            | 3.03 | 0.87 | 10.5           | 3.50 | 0.88 | 11.6           | 3.86 | 0.88 | 12.1           | 4.03 | 0.88 | 13.7           | 4.62 | 0.87 |
| Nominal              | 60              | 13.6           | 3.04 | 1.31 | 14.9           | 3.26 | 1.34 | 15.7           | 3.40 | 1.36 | 18.5           | 3.84 | 1.41 | 21.3           | 4.26 | 1.47 | 23.3           | 4.56 | 1.50 | 24.2           | 4.69 | 1.51 | 27.1           | 5.11 | 1.56 |
|                      | 70              | 13.1           | 2.62 | 1.47 | 14.0           | 2.73 | 1.50 | 15.2           | 2.93 | 1.52 | 17.9           | 3.31 | 1.59 | 20.6           | 3.68 | 1.64 | 22.6           | 3.93 | 1.68 | 23.4           | 4.04 | 1.70 | 26.2           | 4.40 | 1.75 |
|                      | 80              | 12.7           | 2.26 | 1.65 | 14.0           | 2.43 | 1.69 | 14.7           | 2.53 | 1.71 | 17.3           | 2.85 | 1.78 | 20.0           | 3.17 | 1.84 | 21.8           | 3.39 | 1.89 | 22.7           | 3.49 | 1.90 | 25.4           | 3.80 | 1.96 |
| Maximum              | 60              | 14.8           | 2.94 | 1.48 | 16.2           | 3.16 | 1.51 | 17.1           | 3.29 | 1.52 | 19.9           | 3.73 | 1.57 | 22.9           | 4.16 | 1.61 | 25.0           | 4.46 | 1.64 | 26.0           | 4.59 | 1.66 | 29.1           | 5.02 | 1.70 |
|                      | 70              | 14.3           | 2.55 | 1.64 | 15.6           | 2.74 | 1.67 | 16.4           | 2.85 | 1.69 | 19.2           | 3.23 | 1.74 | 22.1           | 3.61 | 1.79 | 24.1           | 3.87 | 1.82 | 25.0           | 3.99 | 1.84 | 28.0           | 4.36 | 1.88 |
|                      | 80              | 13.7           | 2.21 | 1.82 | 15.0           | 2.38 | 1.85 | 15.8           | 2.48 | 1.87 | 18.5           | 2.81 | 1.93 | 21.2           | 3.14 | 1.98 | 23.2           | 3.36 | 2.02 | 24.0           | 3.46 | 2.03 | 26.9           | 3.79 | 2.08 |

EXPANDED RATINGS - 3 TON IQ HEAT PUMP WITH B6VMAI AIR HANDLER

3 Ton iQ Heat Pump, with B6VMAI Air Handler  
COOLING

| Outdoor Temperature: |              | 60°F            |                 |                | 70°F              |                |                   | 80°F |                |                   | 90°F |                |                   | 95°F |                |                   | 100°F |                |                   | 110°F |                |                   | 120°F  |      |      |      |      |
|----------------------|--------------|-----------------|-----------------|----------------|-------------------|----------------|-------------------|------|----------------|-------------------|------|----------------|-------------------|------|----------------|-------------------|-------|----------------|-------------------|-------|----------------|-------------------|--------|------|------|------|------|
|                      |              | Indoor Tdb - In | Indoor Twb - In | Total Capacity | Sensible Capacity | Total Capacity | Sensible Capacity | kW   | Total Capacity | Sensible Capacity | kW   | Total Capacity | Sensible Capacity | kW   | Total Capacity | Sensible Capacity | kW    | Total Capacity | Sensible Capacity | kW    | Total Capacity | Sensible Capacity | kW     |      |      |      |      |
| Speed                | Minimum      | 80              | 62              | 16.9           | 16.9              | 0.43           | 16.0              | 0.54 | 15.1           | 15.1              | 0.65 | 14.4           | 0.78              | 14.1 | 14.1           | 0.86              | 13.8  | 13.8           | 0.93              | 13.5  | 13.5           | 1.09              | 13.3   | 13.3 | 1.26 |      |      |
|                      |              | 80              | 67              | 18.0           | 14.1              | 0.38           | 16.9              | 0.51 | 15.8           | 13.1              | 0.65 | 14.7           | 0.78              | 14.2 | 12.3           | 0.85              | 13.6  | 12.0           | 0.92              | 12.5  | 11.4           | 1.05              | 11.5   | 10.8 | 1.19 |      |      |
|                      |              | 80              | 72              | 18.5           | 11.4              | 0.40           | 17.7              | 0.50 | 16.5           | 10.7              | 0.62 | 15.5           | 0.76              | 15.2 | 10.1           | 0.84              | 14.8  | 9.9            | 0.91              | 14.4  | 9.7            | 1.08              | 14.2   | 9.4  | 1.26 |      |      |
|                      | Intermediate | 75              | 62              | 15.4           | 14.5              | 0.45           | 14.4              | 0.56 | 13.5           | 13.5              | 0.67 | 12.9           | 0.80              | 12.6 | 12.6           | 0.87              | 12.4  | 12.4           | 0.94              | 12.0  | 12.0           | 1.10              | 11.9   | 11.9 | 1.26 |      |      |
|                      |              | 80              | 62              | 25.9           | 24.6              | 0.86           | 24.6              | 0.92 | 23.4           | 23.3              | 1.19 | 22.3           | 1.38              | 21.7 | 21.7           | 1.49              | 21.2  | 21.2           | 1.59              | 19.9  | 19.9           | 1.82              | 18.3   | 18.3 | 2.06 |      |      |
|                      |              | 80              | 67              | 28.1           | 19.8              | 0.86           | 26.7              | 18.9 | 1.01           | 25.3              | 18.3 | 1.18           | 23.8              | 1.37 | 23.0           | 17.5              | 1.48  | 22.3           | 17.2              | 1.59  | 20.7           | 16.6              | 1.82   | 19.2 | 15.6 | 2.08 |      |
|                      | Nominal      | 80              | 72              | 30.4           | 16.4              | 0.76           | 28.7              | 15.9 | 0.94           | 27.2              | 15.3 | 1.14           | 25.7              | 14.7 | 1.35           | 24.9              | 14.4  | 1.46           | 24.0              | 14.0  | 1.56           | 22.2              | 13.3   | 1.81 | 20.2 | 12.4 | 2.05 |
|                      |              | 75              | 62              | 24.6           | 19.9              | 0.86           | 23.5              | 19.3 | 1.02           | 22.3              | 18.8 | 1.19           | 21.0              | 18.2 | 1.39           | 20.3              | 17.9  | 1.49           | 19.7              | 17.6  | 1.60           | 18.4              | 16.9   | 1.82 | 16.8 | 16.0 | 2.06 |
|                      |              | 80              | 62              | 39.2           | 33.0              | 1.72           | 37.4              | 32.1 | 1.97           | 35.7              | 31.2 | 2.25           | 33.9              | 30.4 | 2.53           | 32.8              | 29.7  | 2.67           | 31.6              | 29.0  | 2.82           | 29.4              | 27.9   | 3.12 | 27.0 | 26.7 | 3.43 |
|                      | Maximum      | 80              | 67              | 39.9           | 24.9              | 1.69           | 39.1              | 24.9 | 1.95           | 37.7              | 24.5 | 2.23           | 36.0              | 23.8 | 2.53           | 35.0              | 23.4  | 2.69           | 33.9              | 22.9  | 2.85           | 31.3              | 21.9   | 3.19 | 28.3 | 21.1 | 3.54 |
|                      |              | 80              | 72              | 46.0           | 23.0              | 1.67           | 43.9              | 22.2 | 1.95           | 41.9              | 21.4 | 2.24           | 39.6              | 20.5 | 2.55           | 38.4              | 20.1  | 2.71           | 37.1              | 19.6  | 2.86           | 34.3              | 18.5   | 3.18 | 31.1 | 17.4 | 3.51 |
|                      |              | 75              | 62              | 37.4           | 27.4              | 1.72           | 35.9              | 26.7 | 1.98           | 34.3              | 25.9 | 2.25           | 32.5              | 25.0 | 2.54           | 31.5              | 24.5  | 2.69           | 30.5              | 24.0  | 2.83           | 28.652            | 23.124 | 3.17 | 25.9 | 21.5 | 3.44 |
|                      |              | 80              | 62              | 45.0           | 38.5              | 2.23           | 43.0              | 37.5 | 2.53           | 40.9              | 36.5 | 2.86           | 38.9              | 35.5 | 3.20           | 37.6              | 34.8  | 3.37           | 36.2              | 34.1  | 3.53           | 34.0              | 33.0   | 3.88 | 31.3 | 31.3 | 4.25 |
|                      |              | 80              | 67              | 47.4           | 32.3              | 2.28           | 45.8              | 30.5 | 2.57           | 43.9              | 29.2 | 2.88           | 41.8              | 28.2 | 3.22           | 40.7              | 27.8  | 3.40           | 39.5              | 27.3  | 3.58           | 36.9              | 26.2   | 3.96 | 34.0 | 24.9 | 4.37 |
|                      |              | 80              | 72              | 53.5           | 27.1              | 2.19           | 51.1              | 26.1 | 2.52           | 48.5              | 25.1 | 2.89           | 45.8              | 24.1 | 3.25           | 44.2              | 23.5  | 3.43           | 42.7              | 22.9  | 3.61           | 39.3              | 21.6   | 3.98 | 35.5 | 20.3 | 4.36 |
|                      |              | 75              | 62              | 42.9           | 31.6              | 2.23           | 41.1              | 30.6 | 2.53           | 39.2              | 29.7 | 2.87           | 37.1              | 28.7 | 3.21           | 35.9              | 28.1  | 3.38           | 34.8              | 27.6  | 3.55           | 32.3              | 26.4   | 3.90 | 29.6 | 25.1 | 4.26 |

Note: Capacity and Sensible Capacity are shown in units of thousands of Btu/h.

HEATING

| Outdoor Temperature: |              | 12°F           |     |    | 17°            |     |    | 20°            |     |    | 30°            |     |    | 40°            |     |    | 47°            |     |    | 50°            |     |    | 60°            |     |    |
|----------------------|--------------|----------------|-----|----|----------------|-----|----|----------------|-----|----|----------------|-----|----|----------------|-----|----|----------------|-----|----|----------------|-----|----|----------------|-----|----|
|                      |              | Total Capacity | COP | kW | Total Capacity | COP | kW | Total Capacity | COP | kW | Total Capacity | COP | kW | Total Capacity | COP | kW | Total Capacity | COP | kW | Total Capacity | COP | kW | Total Capacity | COP | kW |
| Speed                | Minimum      |                |     |    |                |     |    |                |     |    |                |     |    |                |     |    |                |     |    |                |     |    |                |     |    |
|                      |              |                |     |    |                |     |    |                |     |    |                |     |    |                |     |    |                |     |    |                |     |    |                |     |    |
|                      |              |                |     |    |                |     |    |                |     |    |                |     |    |                |     |    |                |     |    |                |     |    |                |     |    |
|                      |              |                |     |    |                |     |    |                |     |    |                |     |    |                |     |    |                |     |    |                |     |    |                |     |    |
|                      |              |                |     |    |                |     |    |                |     |    |                |     |    |                |     |    |                |     |    |                |     |    |                |     |    |
|                      |              |                |     |    |                |     |    |                |     |    |                |     |    |                |     |    |                |     |    |                |     |    |                |     |    |
|                      | Intermediate |                |     |    |                |     |    |                |     |    |                |     |    |                |     |    |                |     |    |                |     |    |                |     |    |
|                      |              |                |     |    |                |     |    |                |     |    |                |     |    |                |     |    |                |     |    |                |     |    |                |     |    |
|                      |              |                |     |    |                |     |    |                |     |    |                |     |    |                |     |    |                |     |    |                |     |    |                |     |    |
|                      |              |                |     |    |                |     |    |                |     |    |                |     |    |                |     |    |                |     |    |                |     |    |                |     |    |
|                      |              |                |     |    |                |     |    |                |     |    |                |     |    |                |     |    |                |     |    |                |     |    |                |     |    |
|                      |              |                |     |    |                |     |    |                |     |    |                |     |    |                |     |    |                |     |    |                |     |    |                |     |    |
|                      | Nominal      |                |     |    |                |     |    |                |     |    |                |     |    |                |     |    |                |     |    |                |     |    |                |     |    |
|                      |              |                |     |    |                |     |    |                |     |    |                |     |    |                |     |    |                |     |    |                |     |    |                |     |    |
|                      |              |                |     |    |                |     |    |                |     |    |                |     |    |                |     |    |                |     |    |                |     |    |                |     |    |
|                      | Maximum      |                |     |    |                |     |    |                |     |    |                |     |    |                |     |    |                |     |    |                |     |    |                |     |    |
|                      |              |                |     |    |                |     |    |                |     |    |                |     |    |                |     |    |                |     |    |                |     |    |                |     |    |
|                      |              |                |     |    |                |     |    |                |     |    |                |     |    |                |     |    |                |     |    |                |     |    |                |     |    |

EXPANDED RATINGS - 4 TON IQ HEAT PUMP WITH B6VMAI AIR HANDLER

4 Ton iQ Heat Pump, with B6VMAI Air Handler

COOLING

| Outdoor Temperature: |              | 60°F            |                |                   | 70°F |                |                   | 80°F |                |                   | 90°F |                |                   | 95°F |                |                   | 100°F |                |                   | 110°F |                |                   | 120°F |                |                   |
|----------------------|--------------|-----------------|----------------|-------------------|------|----------------|-------------------|------|----------------|-------------------|------|----------------|-------------------|------|----------------|-------------------|-------|----------------|-------------------|-------|----------------|-------------------|-------|----------------|-------------------|
|                      |              | Indoor Tdb - in | Total Capacity | Sensible Capacity | kW   | Total Capacity | Sensible Capacity | kW   | Total Capacity | Sensible Capacity | kW   | Total Capacity | Sensible Capacity | kW   | Total Capacity | Sensible Capacity | kW    | Total Capacity | Sensible Capacity | kW    | Total Capacity | Sensible Capacity | kW    | Total Capacity | Sensible Capacity |
| Speed                | Minimum      | 80              | 62             | 17.2              | 0.38 | 16.3           | 16.3              | 0.48 | 15.4           | 15.4              | 0.59 | 14.6           | 14.6              | 0.72 | 14.3           | 14.3              | 0.79  | 14.0           | 14.0              | 0.86  | 13.6           | 13.6              | 1.00  | 13.4           | 13.4              |
|                      |              | 80              | 67             | 18.5              | 0.32 | 17.3           | 14.4              | 0.45 | 16.1           | 14.1              | 0.58 | 14.9           | 13.7              | 0.72 | 14.3           | 13.4              | 0.79  | 13.8           | 13.2              | 0.86  | 12.7           | 12.7              | 1.00  | 11.7           | 11.7              |
|                      |              | 80              | 72             | 18.3              | 0.35 | 17.8           | 11.5              | 0.44 | 16.6           | 11.0              | 0.57 | 15.6           | 10.7              | 0.70 | 15.2           | 10.5              | 0.77  | 14.8           | 10.4              | 0.85  | 14.3           | 10.2              | 0.99  | 14.0           | 10.0              |
| Speed                | Intermediate | 75              | 62             | 15.6              | 0.40 | 14.6           | 14.6              | 0.50 | 13.7           | 13.7              | 0.62 | 13.1           | 13.1              | 0.74 | 12.8           | 12.8              | 0.81  | 12.6           | 12.6              | 0.88  | 12.2           | 12.2              | 1.01  | 12.0           | 12.0              |
|                      |              | 80              | 62             | 30.2              | 0.30 | 1.08           | 28.9              | 1.27 | 27.7           | 27.7              | 1.47 | 26.4           | 26.4              | 1.68 | 25.7           | 25.7              | 1.79  | 24.9           | 24.9              | 1.90  | 23.2           | 23.2              | 2.13  | 21.3           | 21.3              |
|                      |              | 80              | 67             | 31.5              | 0.23 | 0.99           | 30.3              | 1.21 | 29.0           | 22.3              | 1.43 | 27.5           | 21.8              | 1.67 | 26.7           | 21.4              | 1.79  | 25.8           | 21.1              | 1.91  | 23.9           | 20.3              | 2.15  | 21.8           | 19.3              |
| Speed                | Maximum      | 80              | 72             | 35.0              | 0.19 | 1.00           | 33.3              | 1.21 | 31.5           | 18.3              | 1.43 | 29.8           | 17.6              | 1.66 | 28.8           | 17.2              | 1.78  | 27.7           | 16.8              | 1.89  | 25.4           | 15.8              | 2.13  | 22.9           | 14.8              |
|                      |              | 75              | 62             | 28.6              | 0.24 | 1.08           | 27.3              | 1.27 | 25.9           | 22.8              | 1.48 | 24.4           | 22.1              | 1.69 | 23.6           | 21.7              | 1.80  | 22.8           | 21.3              | 1.91  | 21.1           | 20.4              | 2.13  | 19.3           | 19.3              |
|                      |              | 80              | 62             | 49.0              | 0.44 | 2.43           | 47.0              | 0.38 | 2.72           | 44.9              | 0.28 | 42.7           | 41.7              | 0.35 | 41.6           | 41.2              | 0.35  | 40.6           | 40.5              | 0.36  | 38.6           | 38.6              | 0.40  | 36.5           | 36.5              |
| Speed                | Nominal      | 80              | 67             | 52.7              | 0.37 | 2.43           | 50.6              | 0.36 | 2.72           | 48.2              | 0.36 | 45.8           | 34.4              | 0.38 | 44.5           | 33.9              | 0.35  | 43.2           | 33.5              | 0.35  | 40.4           | 32.4              | 0.41  | 37.5           | 31.3              |
|                      |              | 80              | 72             | 57.8              | 0.30 | 2.41           | 54.9              | 0.29 | 2.73           | 52.0              | 0.28 | 49.3           | 27.3              | 0.33 | 48.0           | 26.8              | 0.36  | 46.8           | 26.3              | 0.37  | 44.4           | 25.4              | 0.41  | 41.8           | 24.4              |
|                      |              | 75              | 62             | 46.8              | 0.36 | 2.44           | 44.9              | 0.35 | 2.72           | 42.8              | 0.34 | 40.7           | 33.3              | 0.36 | 39.6           | 32.8              | 0.35  | 38.4           | 32.2              | 0.37  | 36.1           | 31.1              | 0.40  | 33.7           | 29.8              |
| Speed                | Maximum      | 80              | 62             | 57.5              | 0.26 | 3.46           | 55.4              | 0.16 | 3.82           | 53.4              | 0.17 | 51.2           | 49.4              | 0.45 | 50.1           | 48.8              | 0.48  | 48.9           | 48.1              | 0.51  | 46.8           | 46.6              | 0.57  | 44.7           | 40.5              |
|                      |              | 80              | 67             | 62.4              | 0.38 | 3.48           | 59.9              | 0.27 | 3.88           | 57.4              | 0.27 | 55.0           | 40.6              | 0.47 | 53.8           | 40.1              | 0.49  | 52.7           | 39.6              | 0.51  | 50.2           | 38.5              | 0.56  | 47.7           | 37.5              |
|                      |              | 80              | 72             | 67.7              | 0.35 | 3.51           | 64.8              | 0.34 | 3.94           | 62.1              | 0.33 | 59.6           | 32.4              | 0.48 | 58.4           | 32.0              | 0.50  | 57.2           | 31.5              | 0.52  | 54.8           | 30.7              | 0.57  | 52.4           | 29.8              |
| Speed                | Maximum      | 75              | 62             | 55.1              | 0.26 | 3.47           | 53.1              | 0.16 | 3.84           | 51.0              | 0.17 | 48.8           | 39.5              | 0.47 | 47.7           | 38.9              | 0.49  | 46.6           | 38.3              | 0.51  | 44.2           | 37.2              | 0.58  | 41.8           | 35.9              |

Note: Capacity and Sensible Capacity are shown in units of thousands of Btu/h.

HEATING

| Outdoor Temperature: |              | 12°F            |                |      | 17°  |                |      | 20°  |                |      | 30°  |                |      | 40°  |                |      | 47°  |                |      | 50°  |                |      | 60°  |                |      |
|----------------------|--------------|-----------------|----------------|------|------|----------------|------|------|----------------|------|------|----------------|------|------|----------------|------|------|----------------|------|------|----------------|------|------|----------------|------|
|                      |              | Indoor Tdb - °F | Total Capacity | COP  | kW   | Total Capacity | COP  | kW   | Total Capacity | COP  | kW   | Total Capacity | COP  | kW   | Total Capacity | COP  | kW   | Total Capacity | COP  | kW   | Total Capacity | COP  | kW   | Total Capacity | COP  |
| Speed                | Minimum      | 60              | 7.0            | 3.66 | 0.56 | 7.6            | 3.95 | 0.56 | 7.9            | 4.13 | 0.56 | 9.3            | 4.83 | 0.56 | 10.8           | 5.66 | 0.56 | 11.9           | 6.34 | 0.55 | 12.5           | 6.65 | 0.55 | 14.3           | 7.84 |
|                      |              | 70              | 6.7            | 3.01 | 0.65 | 7.3            | 3.25 | 0.65 | 7.6            | 3.40 | 0.66 | 8.9            | 3.97 | 0.70 | 10.3           | 4.66 | 0.65 | 11.4           | 5.21 | 0.64 | 11.9           | 5.47 | 0.64 | 13.7           | 6.45 |
|                      |              | 80              | 6.4            | 2.51 | 0.75 | 7.0            | 2.71 | 0.76 | 7.3            | 2.84 | 0.76 | 8.6            | 3.31 | 0.76 | 10.0           | 3.88 | 0.75 | 11.0           | 4.35 | 0.74 | 11.5           | 4.56 | 0.74 | 13.2           | 5.38 |
| Speed                | Intermediate | 60              | 14.2           | 3.52 | 1.18 | 15.4           | 3.75 | 1.20 | 16.1           | 3.89 | 1.22 | 18.7           | 4.39 | 1.25 | 21.5           | 4.94 | 1.28 | 23.6           | 5.36 | 1.29 | 24.5           | 5.55 | 1.29 | 27.6           | 6.23 |
|                      |              | 70              | 13.7           | 3.03 | 1.33 | 14.9           | 3.22 | 1.35 | 15.6           | 3.35 | 1.37 | 18.1           | 3.78 | 1.41 | 20.8           | 4.25 | 1.43 | 22.8           | 4.61 | 1.45 | 23.7           | 4.78 | 1.45 | 26.7           | 5.36 |
|                      |              | 80              | 13.4           | 2.65 | 1.48 | 14.5           | 2.82 | 1.51 | 15.2           | 2.93 | 1.53 | 17.7           | 3.31 | 1.57 | 20.3           | 3.72 | 1.60 | 22.3           | 4.04 | 1.62 | 23.1           | 4.18 | 1.62 | 26.1           | 4.69 |
| Speed                | Nominal      | 60              | 27.2           | 2.64 | 3.02 | 30.3           | 2.88 | 3.09 | 32.1           | 3.01 | 3.13 | 37.9           | 3.42 | 3.25 | 43.1           | 3.76 | 3.35 | 46.5           | 3.98 | 3.42 | 47.8           | 4.07 | 3.45 | 52.1           | 4.33 |
|                      |              | 70              | 26.9           | 2.38 | 3.31 | 30.0           | 2.60 | 3.38 | 31.8           | 2.72 | 3.42 | 37.5           | 3.09 | 3.56 | 42.7           | 3.40 | 3.67 | 46.0           | 3.60 | 3.74 | 47.4           | 3.68 | 3.77 | 51.5           | 3.92 |
|                      |              | 80              | 26.3           | 2.13 | 3.62 | 29.3           | 2.32 | 3.70 | 31.1           | 2.43 | 3.75 | 36.6           | 2.76 | 3.89 | 41.7           | 3.04 | 4.02 | 44.9           | 3.21 | 4.10 | 46.2           | 3.28 | 4.13 | 50.3           | 3.49 |
| Speed                | Maximum      | 60              | 30.4           | 2.75 | 3.24 | 33.0           | 2.92 | 3.31 | 34.5           | 3.02 | 3.35 | 39.6           | 3.33 | 3.48 | 44.5           | 3.62 | 3.60 | 47.8           | 3.81 | 3.68 | 49.3           | 3.88 | 3.72 | 53.9           | 4.14 |
|                      |              | 70              | 30.3           | 2.57 | 3.46 | 32.9           | 2.73 | 3.53 | 34.5           | 2.82 | 3.58 | 39.5           | 3.11 | 3.72 | 44.4           | 3.38 | 3.85 | 47.8           | 3.56 | 3.94 | 49.2           | 3.63 | 3.97 | 53.8           | 3.86 |
|                      |              | 80              | 29.9           | 2.35 | 3.73 | 32.5           | 2.50 | 3.81 | 34.0           | 2.58 | 3.85 | 39.0           | 2.85 | 4.01 | 43.8           | 3.10 | 4.15 | 47.1           | 3.26 | 4.24 | 48.5           | 3.32 | 4.28 | 53.1           | 3.54 |





#### GENERAL TERMS OF LIMITED WARRANTY

Nortek Global HVAC LLC will furnish a replacement for any part of this product which fails in normal use and service within the terms and conditions of the warranty.

For complete details of the Limited Warranty, including applicable terms and conditions, see your local installer or contact the Nortek Global HVAC LLC warranty department for a copy.

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