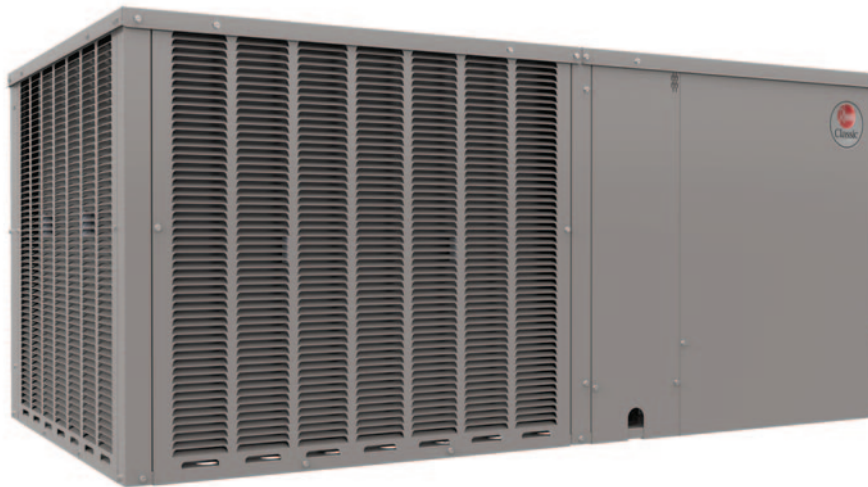




## Endeavor® Line *Classic*® Series iR Residential Packaged Dedicated Horizontal Heat Pump



### RHPBYB Series

Cooling Efficiency: 13.4 SEER2

Nominal Sizes 2-5 Tons [7.0 - 17.6 kW]

Refrigerant Type: R-454B



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## FEATURES AND BENEFITS

- **Scroll Compressors on all models:** Provides maximum efficiency and quiet operation
- **Two Thermal Expansion Valves:** One for cooling, one for heating and are standard on all models for precise superheat control, reliability, and energy efficiency at all operating conditions
- **High and Low Pressure Controls:** Standard on all models for refrigerant component protection and reliability
- **Filter Drier:** Standard on all models
- **100% Factory Run Tested**
- **PlusOne® Refrigerant Detection System™:** An integrated one-box, patented design featuring the A2L sensor and mitigation board, offering easier commissioning with a single component and simplified wiring configuration, compatibility with any 24V thermostat application and system protection by automatically pausing outdoor unit operation – if excess refrigerant is detected
- **Metal Base Rails:** Allow for separation between the unit base and the ground level, protecting the base from ground moisture and providing air circulation around the unit. It also allows for easier maneuverability during installation. To provide flexibility in space limited installations, the unit can be installed flush to the structure without blocking airflow over the outdoor coil or making any screws inaccessible for maintenance
- **Two Round 14" Duct Collars:** Included with each unit. The collar is crimped around the leading edge, making it easier to install duct onto the collar. A metal bead around the circumference prevents the attached ducting from sliding off after installation
- **Easy High and Low Refrigerant Pressure Measurement:** Two gauge ports located inside the control box allow for ease and accuracy
- **Removable Sloped Drain Pan:** Accessible through a small side panel. Helps to ensure indoor air quality (IAQ) throughout the life of the unit
- **Closed-Cell Insulation:** Used on the base of the unit, to prevent moisture from being absorbed and helps reduce mold content
- **Louvered Condenser Compartment:** Protects the coil against yard hazards and/or weather extremes
- **Easy Accessible Controls:**
  - Located in a large control box providing plenty of space for troubleshooting
  - Demand defrost control is used to manage the defrost cycle
  - Transformer is protected by an in-line fuse, which protects the transformer during a low-voltage electrical short
  - Low-voltage and high-voltage wiring connections are easily accessed and have ample room to maneuver
  - Number and color-coded wiring aids in troubleshooting and corresponds with the large, easy-to-read wiring diagram located on the inside of the control box access panel
- **Easily Removable Outdoor and Indoor Section Top Cover:** Allows access to the compressor, refrigerant tubing, blower housing and motors for easy required cleaning and service
- **Factory and Field Installed Supplemental Electric Heat Strips:** Available for periods of extreme cold temperatures with either dual or single-point power
- **Designing for Sustainability with Low GWP:** For 2025, the Environmental Protection Agency (EPA) has set a global warming potential (GWP) limit of 700 for refrigerant used in heating and cooling systems. This new requirement will result in a 78%<sup>1</sup> lower GWP than previous-generation refrigerants with only minimal changes to system installation. For us, this is another step toward our continued sustainability goal of reducing greenhouse gas emissions, while still delivering an exceptional level of energy efficient, dependable comfort

<sup>1</sup>When comparing the GWP of A2L refrigerants R-454B to R-410A refrigerant.

# Heat Pumps

| <u>R</u>  | <u>HP</u>        | <u>B</u>                          | <u>Y</u>    | <u>B</u>                   | <u>024</u>                                                                                                                                                               | <u>A</u>              | <u>J</u>                                   | <u>T</u>            | <u>00</u>                                                                                                 | <u>0</u>                                                       | <u>N</u>      | <u>A</u>       |
|-----------|------------------|-----------------------------------|-------------|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|--------------------------------------------|---------------------|-----------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|---------------|----------------|
| Brand     | Product Category | Platform                          | Refrigerant | Tier                       | Capacity BTU/HR                                                                                                                                                          | Major Series          | Voltage                                    | Drive               | Electric Heat                                                                                             | Electric Heat Configuration                                    | Control       | Minor Series   |
| R - Rheem | HP - Heat Pump   | B - ResiPack Dedicated Horizontal | Y - R-454B  | B - Base Tier (13.4 SEER2) | 024 - 24K BTUH [7.03 kW]<br>030 - 30K BTUH [8.79 kW]<br>036 - 36K BTUH [10.55 kW]<br>042 - 42K BTUH [12.31 kW]<br>048 - 48K BTUH [14.07 kW]<br>060 - 60K BTUH [17.58 kW] | A - 1st Design Series | J - 1ph, 208/230/60<br>C - 3ph, 208/230/60 | T - Constant Torque | 00 - No Electric Heat<br>10 - 10 kW Electric Heat<br>15 - 15 kW Electric Heat<br>20 - 20 kW Electric Heat | 0 - No Electric Heat<br>1 - Electric Heat<br>Factory Installed | N - Non-Comm. | A - 1st Design |

[ ] Designates Metric Conversions

| Available Models  |
|-------------------|
| RHPBYB024AJT000NA |
| RHPBYB024AJT101NA |
| RHPBYB030ACT000NA |
| RHPBYB030ACT101NA |
| RHPBYB030AJT000NA |
| RHPBYB030AJT101NA |
| RHPBYB036ACT000NA |
| RHPBYB036ACT101NA |
| RHPBYB036AJT000NA |
| RHPBYB036AJT101NA |
| RHPBYB042ACT000NA |
| RHPBYB042ACT151NA |
| RHPBYB042AJT000NA |
| RHPBYB042AJT151NA |
| RHPBYB048ACT000NA |
| RHPBYB048ACT151NA |
| RHPBYB048AJT000NA |
| RHPBYB048AJT151NA |
| RHPBYB060ACT000NA |
| RHPBYB060ACT201NA |
| RHPBYB060AJT000NA |
| RHPBYB060AJT201NA |

**NOTE:** Further heater kits available to purchase for field installation.  
Tinned evaporator coil options (AUA) also available.

**NOMINAL SIZES 2-5 TONS [7-17.6 kW]**

| Model RHPBYB Series                                  | 024AJT                   | 030ACT                   | 030AJT                   | 036ACT                   |
|------------------------------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| <b>Cooling Performance<sup>1</sup></b>               |                          |                          |                          | <b>CONTINUED</b> →       |
| Nominal Cooling Capacity Btu/h [kW]                  | 24,000 [7.03]            | 30,000 [8.79]            | 30,000 [8.79]            | 36,000 [10.55]           |
| EER2/SEER2 <sup>2</sup>                              | 10.6/13.4                | 10.6/13.4                | 10.6/13.4                | 10.6/13.4                |
| Nominal CFM/AHRI Rated CFM [L/s]                     | 800/800 [378/378]        | 1061/1000 [501/472]      | 1061/1000 [501/472]      | 1336/1200 [631/566]      |
| AHRI Net Cooling Capacity Btu/h [kW]                 | 22,800 [6.68]            | 28,500 [8.35]            | 28,500 [8.35]            | 34,200 [10.02]           |
| Net Sensible Capacity Btu/h [kW]                     | 16,084 [4.71]            | 20,105 [5.89]            | 20,105 [5.89]            | 24,126 [7.07]            |
| Net Latent Capacity Btu/h [kW]                       | 6716 [1.97]              | 8395 [2.46]              | 8395 [2.46]              | 10,074 [2.95]            |
| Net System Power kW                                  | 2.15                     | 2.69                     | 2.69                     | 3.23                     |
| <b>Heating Performance (Heat Pumps)<sup>3</sup></b>  |                          |                          |                          |                          |
| High Temp. Btu/h [kW] Rating                         | 22,560 [6.61]            | 28,200 [8.26]            | 28,200 [8.26]            | 33,840 [9.92]            |
| High Temp. System Power COP                          | 3.59                     | 3.69                     | 3.69                     | 3.56                     |
| Low Temp. Btu/h [kW] Rating                          | 12,750 [3.74]            | 16,300 [4.78]            | 16,300 [4.78]            | 18,800 [5.51]            |
| Low Temp. System Power COP                           | 2.37                     | 2.31                     | 2.31                     | 2.23                     |
| HSPF2 (Btu/h/Watts-hr)                               | 6.7                      | 6.7                      | 6.7                      | 6.7                      |
| <b>Compressor</b>                                    |                          |                          |                          |                          |
| No./Type                                             | 1/1/Scroll               | 1/1/Scroll               | 1/1/Scroll               | 1/1/Scroll               |
| <b>Outdoor Sound Rating (dB)<sup>4</sup></b>         | 82                       | 82                       | 82                       | 76                       |
| <b>Outdoor Coil—Fin Type</b>                         | Louvered                 | Louvered                 | Louvered                 | Louvered                 |
| Tube Type                                            | Rifled                   | Rifled                   | Rifled                   | Rifled                   |
| Rifled: Tube Size OD or MicroChannel: Depth in. [mm] | 0.375 [9.53]             | 0.375 [9.53]             | 0.375 [9.53]             | 0.375 [9.53]             |
| Face Area sq. ft. [sq. m]                            | 12.65 [1.18]             | 20.58 [1.91]             | 20.58 [1.91]             | 16.54 [1.54]             |
| Rows / FPI [FPcm]                                    | 1 / 20 [8]               | 2 / 16 [6]               | 2 / 16 [6]               | 1 / 22 [9]               |
| <b>Indoor Coil - Fin Type</b>                        | Louvered                 | Louvered                 | Louvered                 | Louvered                 |
| Tube Type                                            | Rifled                   | Rifled                   | Rifled                   | Rifled                   |
| Rifled: Tube Size OD or MicroChannel: Depth in. [mm] | 0.375 [9.53]             | 0.375 [9.53]             | 0.375 [9.53]             | 0.375 [9.53]             |
| Face Area sq. ft. [sq. m]                            | 4.3 [0.40]               | 4.3 [0.40]               | 4.3 [0.40]               | 5.8 [0.54]               |
| Rows / FPI [FPcm]                                    | 2 / 15 [6]               | 3 / 13 [5]               | 3 / 13 [5]               | 2 / 15 [6]               |
| Refrigerant Control                                  | TX Valves                | TX Valves                | TX Valves                | TX Valves                |
| Drain Connection No./Size in. [mm]                   | 1 / 0.750 [19.05]        | 1 / 0.750 [19.05]        | 1 / 0.750 [19.05]        | 1 / 1.000 [25.40]        |
| <b>Outdoor Fan - Type</b>                            | Propeller                | Propeller                | Propeller                | Propeller                |
| No. Used/Diameter in. [mm]                           | 1/24.0 [609.6]           | 1/24.0 [609.6]           | 1/24.0 [609.6]           | 1/24.0 [609.6]           |
| Drive Type/No. Speeds                                | Direct/1                 | Direct/1                 | Direct/1                 | Direct/1                 |
| CFM [L/s]                                            | 3200 [1510]              | 3200 [1510]              | 3200 [1510]              | 3500 [1652]              |
| No. Motors/HP                                        | 1 at 1/3                 | 1 at 1/3                 | 1 at 1/3                 | 1 at 1/3                 |
| Motor RPM                                            | 825                      | 825                      | 825                      | 825                      |
| <b>Indoor Fan - Type</b>                             | FC Centrifugal           | FC Centrifugal           | FC Centrifugal           | FC Centrifugal           |
| No. Used/Diameter in. [mm]                           | 1/10x9 [254x229]         | 1/10x9 [254x229]         | 1/10x9 [254x229]         | 1/11x9 [279x229]         |
| Drive Type                                           | Direct                   | Direct                   | Direct                   | Direct                   |
| No. Speeds                                           | Multiple Speed           | Multiple Speed           | Multiple Speed           | Multiple Speed           |
| No. Motors                                           | 1                        | 1                        | 1                        | 1                        |
| Motor HP                                             | 1/2                      | 1/2                      | 1/2                      | 3/4                      |
| Motor RPM                                            | 1050                     | 1050                     | 1050                     | 1050                     |
| Motor Frame Size                                     | 48                       | 48                       | 48                       | 48                       |
| <b>Filter - Type</b>                                 | Field Supplied           | Field Supplied           | Field Supplied           | Field Supplied           |
| Furnished                                            | No                       | No                       | No                       | No                       |
| (NO.) Size Recommended in. [mm x mm x mm]            | (1) 1x20x20 [25x508x508] | (1) 1x20x20 [25x508x508] | (1) 1x20x20 [25x508x508] | (1) 1x24x24 [25x610x610] |
| <b>Refrigerant Charge Oz. [g]</b>                    | 104.5 [2963]             | 153 [4337]               | 153 [4337]               | 121.1 [3433]             |
| <b>Weights</b>                                       |                          |                          |                          |                          |
| Net Weight lbs. [kg]                                 | 302 [137]                | 329 [149]                | 329 [149]                | 350 [159]                |
| Ship Weight lbs. [kg]                                | 327 [148]                | 354 [161]                | 354 [161]                | 375 [170]                |

See Page 8 for Notes.

[ ] Designates Metric Conversions

## NOMINAL SIZES 2-5 TONS [7-17.6 kW]

| Model RHPBYB Series                                  | 036AJT                   | 042ACT                   | 042AJT                   | 048ACT                   |
|------------------------------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| <b>Cooling Performance<sup>1</sup></b>               |                          |                          |                          | <b>CONTINUED →</b>       |
| Nominal Cooling Capacity Btu/h [kW]                  | 36,000 [10.55]           | 42,000 [12.31]           | 42,000 [12.31]           | 48,000 [14.06]           |
| EER2/SEER2 <sup>2</sup>                              | 10.6/13.4                | 10.6/13.4                | 10.6/13.4                | 10.6/13.4                |
| Nominal CFM/AHRI Rated CFM [L/s]                     | 1336/1200 [631/566]      | 1483/1400 [700/661]      | 1483/1400 [700/661]      | 1604/1600 [757/755]      |
| AHRI Net Cooling Capacity Btu/h [kW]                 | 34,200 [10.02]           | 39,900 [11.69]           | 39,900 [11.69]           | 45,600 [13.36]           |
| Net Sensible Capacity Btu/h [kW]                     | 24,126 [7.07]            | 28,147 [8.25]            | 28,147 [8.25]            | 32,168 [9.43]            |
| Net Latent Capacity Btu/h [kW]                       | 10,074 [2.95]            | 11,753 [3.44]            | 11,753 [3.44]            | 13,432 [3.94]            |
| Net System Power kW                                  | 3.23                     | 3.76                     | 3.76                     | 4.3                      |
| <b>Heating Performance (Heat Pumps)<sup>3</sup></b>  |                          |                          |                          |                          |
| High Temp. Btu/h [kW] Rating                         | 33,840 [9.92]            | 39,480 [11.57]           | 39,480 [11.57]           | 45,120 [13.22]           |
| High Temp. System Power COP                          | 3.56                     | 3.47                     | 3.47                     | 3.47                     |
| Low Temp. Btu/h [kW] Rating                          | 18,800 [5.51]            | 22,700 [6.65]            | 22,700 [6.65]            | 26,250 [7.69]            |
| Low Temp. System Power COP                           | 2.23                     | 2.13                     | 2.13                     | 2.32                     |
| HSPF2 (Btu/h/Watts-hr)                               | 6.7                      | 6.7                      | 6.7                      | 6.7                      |
| <b>Compressor</b>                                    |                          |                          |                          |                          |
| No./Type                                             | 1/1/Scroll               | 1/1/Scroll               | 1/1/Scroll               | 1/1/Scroll               |
| <b>Outdoor Sound Rating (dB)<sup>4</sup></b>         | 76                       | 85                       | 85                       | 85                       |
| <b>Outdoor Coil—Fin Type</b>                         | Louvered                 | Louvered                 | Louvered                 | Louvered                 |
| Tube Type                                            | Rifled                   | Rifled                   | Rifled                   | Rifled                   |
| Rifled: Tube Size OD or MicroChannel: Depth in. [mm] | 0.375 [9.53]             | 0.375 [9.53]             | 0.375 [9.53]             | 0.375 [9.53]             |
| Face Area sq. ft. [sq. m]                            | 16.54 [1.54]             | 26.9 [2.5]               | 26.9 [2.5]               | 26.9 [2.5]               |
| Rows / FPI [FPcm]                                    | 1 / 22 [9]               | 2 / 18 [7]               | 2 / 18 [7]               | 2 / 18 [7]               |
| <b>Indoor Coil - Fin Type</b>                        | Louvered                 | Louvered                 | Louvered                 | Louvered                 |
| Tube Type                                            | Rifled                   | Rifled                   | Rifled                   | Rifled                   |
| Rifled: Tube Size OD or MicroChannel: Depth in. [mm] | 0.375 [9.53]             | 0.375 [9.53]             | 0.375 [9.53]             | 0.375 [9.53]             |
| Face Area sq. ft. [sq. m]                            | 5.8 [0.54]               | 5.8 [0.54]               | 5.8 [0.54]               | 5.8 [0.54]               |
| Rows / FPI [FPcm]                                    | 2 / 15 [6]               | 3 / 13 [5]               | 3 / 13 [5]               | 3 / 13 [5]               |
| Refrigerant Control                                  | TX Valves                | TX Valves                | TX Valves                | TX Valves                |
| Drain Connection No./Size in. [mm]                   | 1 / 1.000 [25.40]        | 1 / 1.000 [25.40]        | 1 / 1.000 [25.40]        | 1 / 1.000 [25.40]        |
| <b>Outdoor Fan - Type</b>                            | Propeller                | Propeller                | Propeller                | Propeller                |
| No. Used/Diameter in. [mm]                           | 1/24.0 [609.6]           | 1/24.0 [609.6]           | 1/24.0 [609.6]           | 1/24.0 [609.6]           |
| Drive Type/No. Speeds                                | Direct/1                 | Direct/1                 | Direct/1                 | Direct/1                 |
| CFM [L/s]                                            | 3500 [1652]              | 4400 [2077]              | 4400 [2077]              | 4400 [2077]              |
| No. Motors/HP                                        | 1 at 1/3                 | 1 at 1/2                 | 1 at 1/2                 | 1 at 1/2                 |
| Motor RPM                                            | 825                      | 1075                     | 1075                     | 1075                     |
| <b>Indoor Fan - Type</b>                             | FC Centrifugal           | FC Centrifugal           | FC Centrifugal           | FC Centrifugal           |
| No. Used/Diameter in. [mm]                           | 1/11x9 [279x229]         | 1/11x9 [279x229]         | 1/11x9 [279x229]         | 1/11x9 [279x229]         |
| Drive Type                                           | Direct                   | Direct                   | Direct                   | Direct                   |
| No. Speeds                                           | Multiple Speed           | Multiple Speed           | Multiple Speed           | Multiple Speed           |
| No. Motors                                           | 1                        | 1                        | 1                        | 1                        |
| Motor HP                                             | 3/4                      | 3/4                      | 3/4                      | 3/4                      |
| Motor RPM                                            | 1050                     | 1050                     | 1050                     | 1050                     |
| Motor Frame Size                                     | 48                       | 48                       | 48                       | 48                       |
| <b>Filter - Type</b>                                 | Field Supplied           | Field Supplied           | Field Supplied           | Field Supplied           |
| Furnished                                            | No                       | No                       | No                       | No                       |
| (NO.) Size Recommended in. [mm x mm x mm]            | (1) 1x24x24 [25x610x610] | (1) 1x24x24 [25x610x610] | (1) 1x24x24 [25x610x610] | (1) 1x24x24 [25x610x610] |
| <b>Refrigerant Charge Oz. [g]</b>                    | 121.1 [3433]             | 169.6 [4808]             | 169.6 [4808]             | 156.5 [4437]             |
| <b>Weights</b>                                       |                          |                          |                          |                          |
| Net Weight lbs. [kg]                                 | 350 [159]                | 400 [181]                | 400 [181]                | 397 [180]                |
| Ship Weight lbs. [kg]                                | 375 [170]                | 425 [193]                | 425 [193]                | 422 [191]                |

See Page 8 for Notes.

[ ] Designates Metric Conversions

**NOMINAL SIZES 2-5 TONS [7-17.6 kW]**

| Model RHPBYB Series                                  | 048AJT                   | 060ACT                   | 060AJT                   |
|------------------------------------------------------|--------------------------|--------------------------|--------------------------|
| <b>Cooling Performance<sup>1</sup></b>               |                          |                          |                          |
| Nominal Cooling Capacity Btu/h [kW]                  | 48,000 [14.06]           | 60,000 [17.58]           | 60,000 [17.58]           |
| EER2/SEER2 <sup>2</sup>                              | 10.6/13.4                | 10.6/13.4                | 10.6/13.4                |
| Nominal CFM/AHRI Rated CFM [L/s]                     | 1604/1600 [757/755]      | 1906/1900 [900/897]      | 1906/1900 [900/897]      |
| AHRI Net Cooling Capacity Btu/h [kW]                 | 45,600 [13.36]           | 57,000 [16.7]            | 57,000 [16.7]            |
| Net Sensible Capacity Btu/h [kW]                     | 32,168 [9.43]            | 40,210 [11.78]           | 40,210 [11.78]           |
| Net Latent Capacity Btu/h [kW]                       | 13,432 [3.94]            | 16,790 [4.92]            | 16,790 [4.92]            |
| Net System Power kW                                  | 4.3                      | 5.38                     | 5.38                     |
| <b>Heating Performance (Heat Pumps)<sup>3</sup></b>  |                          |                          |                          |
| High Temp. Btu/h [kW] Rating                         | 45,120 [13.22]           | 56,400 [16.53]           | 56,400 [16.53]           |
| High Temp. System Power COP                          | 3.47                     | 3.41                     | 3.41                     |
| Low Temp. Btu/h [kW] Rating                          | 26,250 [7.69]            | 31,400 [9.2]             | 31,400 [9.2]             |
| Low Temp. System Power COP                           | 2.32                     | 2.14                     | 2.14                     |
| HSPF2 (Btu/h/Watts-hr)                               | 6.7                      | 6.7                      | 6.7                      |
| <b>Compressor</b>                                    |                          |                          |                          |
| No./Type                                             | 1/1/Scroll               | 1/1/Scroll               | 1/1/Scroll               |
| <b>Outdoor Sound Rating (dB)<sup>4</sup></b>         |                          |                          |                          |
|                                                      | 85                       | 79                       | 79                       |
| <b>Outdoor Coil—Fin Type</b>                         |                          |                          |                          |
| Tube Type                                            | Louvered                 | Louvered                 | Louvered                 |
|                                                      | Rifled                   | Rifled                   | Rifled                   |
| Rifled: Tube Size OD or MicroChannel: Depth in. [mm] | 0.375 [9.53]             | 0.375 [9.53]             | 0.375 [9.53]             |
| Face Area sq. ft. [sq. m]                            | 26.9 [2.5]               | 32.39 [3.01]             | 32.39 [3.01]             |
| Rows / FPI [FPCm]                                    | 2 / 18 [7]               | 2 / 18 [7]               | 2 / 18 [7]               |
| <b>Indoor Coil - Fin Type</b>                        |                          |                          |                          |
| Tube Type                                            | Louvered                 | Louvered                 | Louvered                 |
|                                                      | Rifled                   | Rifled                   | Rifled                   |
| Rifled: Tube Size OD or MicroChannel: Depth in. [mm] | 0.375 [9.53]             | 0.375 [9.53]             | 0.375 [9.53]             |
| Face Area sq. ft. [sq. m]                            | 5.8 [0.54]               | 5.8 [0.54]               | 5.8 [0.54]               |
| Rows / FPI [FPCm]                                    | 3 / 13 [5]               | 4 / 13 [5]               | 4 / 13 [5]               |
| Refrigerant Control                                  | TX Valves                | TX Valves                | TX Valves                |
| Drain Connection No./Size in. [mm]                   | 1 / 1.000 [25.40]        | 1 / 1.000 [25.40]        | 1 / 1.000 [25.40]        |
| <b>Outdoor Fan - Type</b>                            |                          |                          |                          |
|                                                      | Propeller                | Propeller                | Propeller                |
| No. Used/Diameter in. [mm]                           | 1/24.0 [609.6]           | 1/24.0 [609.6]           | 1/24.0 [609.6]           |
| Drive Type/No. Speeds                                | Direct/1                 | Direct/1                 | Direct/1                 |
| CFM [L/s]                                            | 4400 [2077]              | 4500 [2124]              | 4500 [2124]              |
| No. Motors/HP                                        | 1 at 1/2                 | 1 at 1/2                 | 1 at 1/2                 |
| Motor RPM                                            | 1075                     | 1075                     | 1075                     |
| <b>Indoor Fan - Type</b>                             |                          |                          |                          |
|                                                      | FC Centrifugal           | FC Centrifugal           | FC Centrifugal           |
| No. Used/Diameter in. [mm]                           | 1/11x9 [279x229]         | 1/11x9 [279x229]         | 1/11x9 [279x229]         |
| Drive Type                                           | Direct                   | Direct                   | Direct                   |
| No. Speeds                                           | Multiple Speed           | Multiple Speed           | Multiple Speed           |
| No. Motors                                           | 1                        | 1                        | 1                        |
| Motor HP                                             | 3/4                      | 1                        | 1                        |
| Motor RPM                                            | 1050                     | 1050                     | 1050                     |
| Motor Frame Size                                     | 48                       | 48                       | 48                       |
| <b>Filter - Type</b>                                 |                          |                          |                          |
| Furnished                                            | Field Supplied           | Field Supplied           | Field Supplied           |
|                                                      | No                       | No                       | No                       |
| (NO.) Size Recommended in. [mm x mm x mm]            | (1) 1x24x24 [25x610x610] | (1) 1x24x24 [25x610x610] | (1) 1x24x24 [25x610x610] |
| <b>Refrigerant Charge Oz. [g]</b>                    |                          |                          |                          |
|                                                      | 156.5 [4437]             | 206.2 [5846]             | 206.2 [5846]             |
| <b>Weights</b>                                       |                          |                          |                          |
| Net Weight lbs. [kg]                                 | 397 [180]                | 429 [195]                | 429 [195]                |
| Ship Weight lbs. [kg]                                | 422 [191]                | 454 [206]                | 454 [206]                |

See Page 8 for Notes.

[ ] Designates Metric Conversions

## NOTES:

1. Cooling Performance is rated at 95°F ambient, 80°F entering dry bulb, 67°F entering wet bulb. Gross capacity does not include the effect of fan motor heat. AHRI capacity is net and includes the effect of fan motor heat. Units are suitable for operation to  $\pm 20\%$  of nominal cfm. Units are certified in accordance with the Unitary Air Conditioner Equipment certification program, which is based on AHRI Standard 210/240 or 360.
2. EER2 and/or SEER2 are rated at AHRI conditions and in accordance with DOE test procedures.
3. HSPF2 is rated at AHRI conditions and in accordance with DOE test procedures.
4. Outdoor Sound Rating shown is tested in accordance with AHRI Standard 270.

# GROSS SYSTEMS COOLING PERFORMANCE DATA—RHPBYB024

| RHPBYB024 - ENTERING INDOOR AIR @ 80°F [26.7°C] dbE ① |                   |                   |               |            |            |               |            |            |               |            |            |
|-------------------------------------------------------|-------------------|-------------------|---------------|------------|------------|---------------|------------|------------|---------------|------------|------------|
| wbE                                                   |                   |                   | 71°F [21.7°C] |            |            | 67°F [19.4°C] |            |            | 63°F [17.2°C] |            |            |
| CFM [L/s]                                             |                   |                   | 950 [448]     | 800 [378]  | 725 [342]  | 950 [448]     | 800 [378]  | 725 [342]  | 950 [448]     | 800 [378]  | 725 [342]  |
| DR ①                                                  |                   |                   | .05           | .09        | .12        | .05           | .09        | .12        | .05           | .09        | .12        |
| OUTDOOR<br>DRY<br>BULB<br>TEMPERATURE<br>°F [°C]      | 75<br>[23.9]      | Total kBtu/h [kW] | 29.9 [8.8]    | 28.9 [8.5] | 28.5 [8.4] | 28.5 [8.4]    | 27.6 [8.1] | 27.1 [7.9] | 27.2 [8.0]    | 26.3 [7.7] | 25.8 [7.6] |
|                                                       |                   | Sens kBtu/h [kW]  | 18.1 [5.3]    | 16.6 [4.9] | 15.9 [4.7] | 22.7 [6.7]    | 20.9 [6.1] | 19.9 [5.8] | 27.2 [8.0]    | 25.1 [7.4] | 24.0 [7.0] |
|                                                       |                   | Power             | 1.7           | 1.7        | 1.6        | 1.7           | 1.7        | 1.6        | 1.7           | 1.7        | 1.6        |
|                                                       | 80<br>[26.7]      | Total kBtu/h [kW] | 29.3 [8.6]    | 28.3 [8.3] | 27.8 [8.1] | 27.9 [8.2]    | 27.0 [7.9] | 26.5 [7.8] | 26.5 [7.8]    | 25.6 [7.5] | 25.2 [7.4] |
|                                                       |                   | Sens kBtu/h [kW]  | 18.0 [5.3]    | 16.5 [4.8] | 15.8 [4.6] | 22.5 [6.6]    | 20.7 [6.1] | 19.8 [5.8] | 26.5 [7.8]    | 24.9 [7.3] | 23.9 [7.0] |
|                                                       |                   | Power             | 1.8           | 1.8        | 1.7        | 1.8           | 1.8        | 1.8        | 1.8           | 1.8        | 1.7        |
|                                                       | 85<br>[29.4]      | Total kBtu/h [kW] | 28.6 [8.4]    | 27.7 [8.1] | 27.2 [8.0] | 27.3 [8.0]    | 26.4 [7.7] | 25.9 [7.6] | 25.9 [7.6]    | 25.0 [7.3] | 24.6 [7.2] |
|                                                       |                   | Sens kBtu/h [kW]  | 17.8 [5.2]    | 16.4 [4.8] | 15.7 [4.6] | 22.4 [6.6]    | 20.6 [6.0] | 19.7 [5.8] | 25.9 [7.6]    | 24.8 [7.3] | 23.7 [6.9] |
|                                                       |                   | Power             | 1.9           | 1.9        | 1.8        | 1.9           | 1.9        | 1.9        | 1.9           | 1.9        | 1.8        |
|                                                       | 90<br>[32.2]      | Total kBtu/h [kW] | 28.0 [8.2]    | 27.1 [7.9] | 26.6 [7.8] | 26.6 [7.8]    | 25.7 [7.5] | 25.3 [7.4] | 25.2 [7.4]    | 24.4 [7.2] | 24.0 [7.0] |
|                                                       |                   | Sens kBtu/h [kW]  | 17.7 [5.2]    | 16.3 [4.8] | 15.6 [4.6] | 22.3 [6.5]    | 20.5 [6.0] | 19.6 [5.7] | 25.2 [7.4]    | 24.4 [7.2] | 23.6 [6.9] |
| Power                                                 |                   | 2.0               | 2.0           | 1.9        | 2.0        | 2.0           | 2.0        | 2.0        | 2.0           | 1.9        |            |
| 95<br>[35]                                            | Total kBtu/h [kW] | 27.3 [8.0]        | 26.4 [7.7]    | 26.0 [7.6] | 26.0 [7.6] | 25.1 [7.4]    | 24.7 [7.2] | 24.6 [7.2] | 23.8 [7.0]    | 23.4 [6.9] |            |
|                                                       | Sens kBtu/h [kW]  | 17.5 [5.1]        | 16.1 [4.7]    | 15.4 [4.5] | 22.1 [6.5] | 20.3 [5.9]    | 19.5 [5.7] | 24.6 [7.2] | 23.8 [7.0]    | 23.4 [6.9] |            |
|                                                       | Power             | 2.1               | 2.1           | 2.1        | 2.1        | 2.1           | 2.1        | 2.1        | 2.1           | 2.0        |            |
| 100<br>[37.8]                                         | Total kBtu/h [kW] | 26.7 [7.8]        | 25.8 [7.6]    | 25.4 [7.4] | 25.3 [7.4] | 24.5 [7.2]    | 24.1 [7.1] | 23.9 [7.0] | 23.1 [6.8]    | 22.7 [6.7] |            |
|                                                       | Sens kBtu/h [kW]  | 17.4 [5.1]        | 16.0 [4.7]    | 15.3 [4.5] | 22.0 [6.4] | 20.2 [5.9]    | 19.3 [5.7] | 23.9 [7.0] | 23.1 [6.8]    | 22.7 [6.7] |            |
|                                                       | Power             | 2.2               | 2.2           | 2.2        | 2.2        | 2.2           | 2.2        | 2.2        | 2.2           | 2.2        |            |
| 105<br>[40.6]                                         | Total kBtu/h [kW] | 26.0 [7.6]        | 25.2 [7.4]    | 24.8 [7.3] | 24.7 [7.2] | 23.8 [7.0]    | 23.4 [6.9] | 23.3 [6.8] | 22.5 [6.6]    | 22.1 [6.5] |            |
|                                                       | Sens kBtu/h [kW]  | 17.3 [5.1]        | 15.9 [4.7]    | 15.2 [4.5] | 21.9 [6.4] | 20.1 [5.9]    | 19.2 [5.6] | 23.3 [6.8] | 22.5 [6.6]    | 22.1 [6.5] |            |
|                                                       | Power             | 2.3               | 2.3           | 2.3        | 2.3        | 2.3           | 2.3        | 2.3        | 2.3           | 2.3        |            |
| 110<br>[43.3]                                         | Total kBtu/h [kW] | 25.4 [7.4]        | 24.6 [7.2]    | 24.1 [7.1] | 24.0 [7.0] | 23.2 [6.8]    | 22.8 [6.7] | 22.6 [6.6] | 21.9 [6.4]    | 21.5 [6.3] |            |
|                                                       | Sens kBtu/h [kW]  | 17.1 [5.0]        | 15.8 [4.6]    | 15.1 [4.4] | 21.7 [6.4] | 20.0 [5.9]    | 19.1 [5.6] | 22.6 [6.6] | 21.9 [6.4]    | 21.5 [6.3] |            |
|                                                       | Power             | 2.4               | 2.4           | 2.4        | 2.4        | 2.4           | 2.4        | 2.4        | 2.4           | 2.4        |            |
| 115<br>[46.1]                                         | Total kBtu/h [kW] | 24.7 [7.2]        | 23.9 [7.0]    | 23.5 [6.9] | 23.4 [6.9] | 22.6 [6.6]    | 22.2 [6.5] | 22.0 [6.4] | 21.3 [6.2]    | 20.9 [6.1] |            |
|                                                       | Sens kBtu/h [kW]  | 17.0 [5.0]        | 15.6 [4.6]    | 14.9 [4.4] | 21.6 [6.3] | 19.8 [5.8]    | 19.0 [5.6] | 22.0 [6.4] | 21.3 [6.2]    | 20.9 [6.1] |            |
|                                                       | Power             | 2.5               | 2.5           | 2.5        | 2.5        | 2.5           | 2.5        | 2.5        | 2.5           | 2.5        |            |
| 120<br>[48.9]                                         | Total kBtu/h [kW] | 24.1 [7.1]        | 23.3 [6.8]    | 22.9 [6.7] | 22.7 [6.7] | 22.0 [6.4]    | 21.6 [6.3] | 21.3 [6.2] | 20.6 [6.0]    | 20.3 [5.9] |            |
|                                                       | Sens kBtu/h [kW]  | 16.9 [5.0]        | 15.5 [4.5]    | 14.8 [4.3] | 21.4 [6.3] | 19.7 [5.8]    | 18.9 [5.5] | 21.3 [6.2] | 20.6 [6.0]    | 20.3 [5.9] |            |
|                                                       | Power             | 2.6               | 2.6           | 2.6        | 2.6        | 2.6           | 2.6        | 2.6        | 2.6           | 2.6        |            |
| 125<br>[51.7]                                         | Total kBtu/h [kW] | 23.5 [6.9]        | 22.7 [6.7]    | 22.3 [6.5] | 22.1 [6.5] | 21.3 [6.2]    | 21.0 [6.2] | 20.7 [6.1] | 20.0 [5.9]    | 19.7 [5.8] |            |
|                                                       | Sens kBtu/h [kW]  | 16.7 [4.9]        | 15.4 [4.5]    | 14.7 [4.3] | 21.3 [6.2] | 19.6 [5.7]    | 18.7 [5.5] | 20.7 [6.1] | 20.0 [5.9]    | 19.7 [5.8] |            |
|                                                       | Power             | 2.7               | 2.7           | 2.7        | 2.7        | 2.7           | 2.7        | 2.7        | 2.7           | 2.7        |            |

DR —Depression ratio  
dbE —Entering air dry bulb  
wbE—Entering air wet bulb

Total —Total capacity x 1000 Btu/h  
Sens —Sensible capacity x 1000 Btu/h  
Power —kW input

NOTES: ① When the entering air dry bulb is other than 80°F [27°C], adjust the sensible capacity from the table by adding [1.10 x CFM x (1 – DR) x (dbE – 80)].

[ ] Designates Metric Conversions

## GROSS SYSTEMS COOLING PERFORMANCE DATA—RHPBYB030

| RHPBYB030 - ENTERING INDOOR AIR @ 80°F [26.7°C] dbE ① |                                                |                                                |                                  |                                  |                                  |                                  |                                 |                                 |                                 |                                 |                                 |
|-------------------------------------------------------|------------------------------------------------|------------------------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|
| wbE                                                   |                                                |                                                | 71°F [21.7°C]                    |                                  |                                  | 67°F [19.4°C]                    |                                 |                                 | 63°F [17.2°C]                   |                                 |                                 |
| CFM [L/s]                                             |                                                |                                                | 1125 [531]                       | 1000 [472]                       | 875 [413]                        | 1125 [531]                       | 1000 [472]                      | 875 [413]                       | 1125 [531]                      | 1000 [472]                      | 875 [413]                       |
| DR ①                                                  |                                                |                                                | .05                              | .09                              | .12                              | .05                              | .09                             | .12                             | .05                             | .09                             | .12                             |
| OUTDOOR<br>DRY<br>BULB<br>TEMPERATURE<br>°F [°C]      | 75<br>[23.9]                                   | Total kBtu/h [kW]<br>Sens kBtu/h [kW]<br>Power | 35.9 [10.5]<br>22.3 [6.5]<br>2.0 | 35.1 [10.3]<br>21.0 [6.2]<br>2.0 | 34.3 [10.1]<br>19.8 [5.8]<br>1.9 | 34.2 [10.0]<br>27.4 [8.0]<br>2.0 | 33.5 [9.8]<br>25.9 [7.6]<br>2.0 | 32.7 [9.6]<br>24.4 [7.2]<br>1.9 | 32.6 [9.6]<br>30.8 [9.0]<br>2.0 | 31.9 [9.3]<br>29.1 [8.5]<br>1.9 | 31.1 [9.1]<br>27.4 [8.0]<br>1.9 |
|                                                       | 80<br>[26.7]                                   | Total kBtu/h [kW]<br>Sens kBtu/h [kW]<br>Power | 35.0 [10.3]<br>21.8 [6.4]<br>2.1 | 34.2 [10.0]<br>20.6 [6.0]<br>2.1 | 33.4 [9.8]<br>19.4 [5.7]<br>2.1  | 33.4 [9.8]<br>27.0 [7.9]<br>2.1  | 32.6 [9.6]<br>25.5 [7.5]<br>2.1 | 31.9 [9.3]<br>24.0 [7.0]<br>2.1 | 31.7 [9.3]<br>30.4 [8.9]<br>2.1 | 31.0 [9.1]<br>28.7 [8.4]<br>2.1 | 30.3 [8.9]<br>27.1 [7.9]<br>2.0 |
|                                                       | 85<br>[29.4]                                   | Total kBtu/h [kW]<br>Sens kBtu/h [kW]<br>Power | 34.1 [10.0]<br>21.5 [6.3]<br>2.2 | 33.4 [9.8]<br>20.3 [5.9]<br>2.2  | 32.6 [9.6]<br>19.1 [5.6]<br>2.2  | 32.5 [9.5]<br>26.7 [7.8]<br>2.2  | 31.8 [9.3]<br>25.2 [7.4]<br>2.2 | 31.0 [9.1]<br>23.7 [6.9]<br>2.2 | 30.8 [9.0]<br>30.1 [8.8]<br>2.2 | 30.2 [8.9]<br>28.4 [8.3]<br>2.2 | 29.5 [8.6]<br>26.8 [7.9]<br>2.2 |
|                                                       | 90<br>[32.2]                                   | Total kBtu/h [kW]<br>Sens kBtu/h [kW]<br>Power | 33.2 [9.7]<br>21.2 [6.2]<br>2.3  | 32.5 [9.5]<br>20.1 [5.9]<br>2.3  | 31.8 [9.3]<br>18.9 [5.5]<br>2.3  | 31.6 [9.3]<br>26.4 [7.7]<br>2.3  | 30.9 [9.1]<br>24.9 [7.3]<br>2.3 | 30.2 [8.9]<br>23.5 [6.9]<br>2.3 | 30.0 [8.8]<br>29.8 [8.7]<br>2.3 | 29.3 [8.6]<br>28.2 [8.3]<br>2.3 | 28.6 [8.4]<br>26.5 [7.8]<br>2.3 |
|                                                       | 95<br>[35]                                     | Total kBtu/h [kW]<br>Sens kBtu/h [kW]<br>Power | 32.4 [9.5]<br>21.0 [6.2]<br>2.5  | 31.6 [9.3]<br>19.8 [5.8]<br>2.4  | 30.9 [9.1]<br>18.7 [5.5]<br>2.4  | 30.7 [9.0]<br>26.2 [7.7]<br>2.5  | 30.0 [8.8]<br>24.7 [7.2]<br>2.4 | 29.4 [8.6]<br>23.3 [6.8]<br>2.4 | 29.1 [8.5]<br>29.1 [8.5]<br>2.4 | 28.4 [8.3]<br>28.0 [8.2]<br>2.4 | 27.8 [8.1]<br>26.3 [7.7]<br>2.4 |
|                                                       | 100<br>[37.8]                                  | Total kBtu/h [kW]<br>Sens kBtu/h [kW]<br>Power | 31.5 [9.2]<br>20.8 [6.1]<br>2.6  | 30.8 [9.0]<br>19.7 [5.8]<br>2.6  | 30.1 [8.8]<br>18.5 [5.4]<br>2.5  | 29.8 [8.7]<br>26.0 [7.6]<br>2.6  | 29.2 [8.6]<br>24.6 [7.2]<br>2.6 | 28.5 [8.4]<br>23.1 [6.8]<br>2.5 | 28.2 [8.3]<br>28.2 [8.3]<br>2.6 | 27.6 [8.1]<br>27.6 [8.1]<br>2.5 | 26.9 [7.9]<br>26.2 [7.7]<br>2.5 |
|                                                       | 105<br>[40.6]                                  | Total kBtu/h [kW]<br>Sens kBtu/h [kW]<br>Power | 30.6 [9.0]<br>20.8 [6.1]<br>2.7  | 29.9 [8.8]<br>19.6 [5.7]<br>2.7  | 29.2 [8.6]<br>18.5 [5.4]<br>2.6  | 29.0 [8.5]<br>25.9 [7.6]<br>2.7  | 28.3 [8.3]<br>24.5 [7.2]<br>2.7 | 27.7 [8.1]<br>23.1 [6.8]<br>2.6 | 27.3 [8.0]<br>27.3 [8.0]<br>2.7 | 26.7 [7.8]<br>26.7 [7.8]<br>2.7 | 26.1 [7.6]<br>26.1 [7.6]<br>2.6 |
|                                                       | 110<br>[43.3]                                  | Total kBtu/h [kW]<br>Sens kBtu/h [kW]<br>Power | 29.7 [8.7]<br>20.7 [6.1]<br>2.8  | 29.1 [8.5]<br>19.6 [5.7]<br>2.8  | 28.4 [8.3]<br>18.4 [5.4]<br>2.8  | 28.1 [8.2]<br>25.9 [7.6]<br>2.8  | 27.5 [8.1]<br>24.5 [7.2]<br>2.8 | 26.8 [7.9]<br>23.0 [6.7]<br>2.8 | 26.4 [7.7]<br>26.4 [7.7]<br>2.8 | 25.9 [7.6]<br>25.9 [7.6]<br>2.8 | 25.3 [7.4]<br>25.3 [7.4]<br>2.7 |
|                                                       | 115<br>[46.1]                                  | Total kBtu/h [kW]<br>Sens kBtu/h [kW]<br>Power | 28.8 [8.4]<br>20.8 [6.1]<br>2.9  | 28.2 [8.3]<br>19.6 [5.7]<br>2.9  | 27.6 [8.1]<br>18.5 [5.4]<br>2.9  | 27.2 [8.0]<br>25.9 [7.6]<br>2.9  | 26.6 [7.8]<br>24.5 [7.2]<br>2.9 | 26.0 [7.6]<br>23.1 [6.8]<br>2.9 | 25.6 [7.5]<br>25.6 [7.5]<br>2.9 | 25.0 [7.3]<br>25.0 [7.3]<br>2.9 | 24.4 [7.2]<br>24.4 [7.2]<br>2.9 |
|                                                       | 120<br>[48.9]                                  | Total kBtu/h [kW]<br>Sens kBtu/h [kW]<br>Power | 28.0 [8.2]<br>20.9 [6.1]<br>3.1  | 27.3 [8.0]<br>19.7 [5.8]<br>3.0  | 26.7 [7.8]<br>18.6 [5.5]<br>3.0  | 26.3 [7.7]<br>26.0 [7.6]<br>3.1  | 25.7 [7.5]<br>24.6 [7.2]<br>3.0 | 25.2 [7.4]<br>23.2 [6.8]<br>3.0 | 24.7 [7.2]<br>24.7 [7.2]<br>3.0 | 24.1 [7.1]<br>24.1 [7.1]<br>3.0 | 23.6 [6.9]<br>23.6 [6.9]<br>3.0 |
| 125<br>[51.7]                                         | Total kBtu/h [kW]<br>Sens kBtu/h [kW]<br>Power | 27.1 [7.9]<br>21.0 [6.2]<br>3.2                | 26.5 [7.8]<br>19.9 [5.8]<br>3.1  | 25.9 [7.6]<br>18.7 [5.5]<br>3.1  | 25.5 [7.5]<br>25.5 [7.5]<br>3.2  | 24.9 [7.3]<br>24.7 [7.2]<br>3.1  | 24.3 [7.1]<br>23.3 [6.8]<br>3.1 | 23.8 [7.0]<br>23.8 [7.0]<br>3.2 | 23.3 [6.8]<br>23.3 [6.8]<br>3.1 | 22.8 [6.7]<br>22.8 [6.7]<br>3.1 |                                 |

DR —Depression ratio  
dbE —Entering air dry bulb  
wbE —Entering air wet bulb

Total —Total capacity x 1000 Btu/h  
Sens —Sensible capacity x 1000 Btu/h  
Power —kW input

NOTES: ① When the entering air dry bulb is other than 80°F [27°C], adjust the sensible capacity from the table by adding  $[1.10 \times \text{CFM} \times (1 - \text{DR}) \times (\text{dbE} - 80)]$ .

[ ] Designates Metric Conversions

## GROSS SYSTEMS COOLING PERFORMANCE DATA—RHPBYB036

| RHPBYB036 - ENTERING INDOOR AIR @ 80°F [26.7°C] dbE ① |               |                   |               |             |             |               |             |             |               |             |             |
|-------------------------------------------------------|---------------|-------------------|---------------|-------------|-------------|---------------|-------------|-------------|---------------|-------------|-------------|
| wbE                                                   |               |                   | 71°F [21.7°C] |             |             | 67°F [19.4°C] |             |             | 63°F [17.2°C] |             |             |
| CFM [L/s]                                             |               |                   | 1350 [637]    | 1200 [566]  | 1050 [496]  | 1350 [637]    | 1200 [566]  | 1050 [496]  | 1350 [637]    | 1200 [566]  | 1050 [496]  |
| DR ①                                                  |               |                   | .05           | .09         | .12         | .05           | .09         | .12         | .05           | .09         | .12         |
| OUTDOOR DRY BULB TEMPERATURE<br>°F [°C]               | 75<br>[23.9]  | Total kBtu/h [kW] | 44.5 [13.0]   | 43.5 [12.7] | 42.5 [12.5] | 41.4 [12.1]   | 40.4 [11.8] | 39.5 [11.6] | 38.9 [11.4]   | 38.1 [11.2] | 37.2 [10.9] |
|                                                       |               | Sens kBtu/h [kW]  | 27.2 [8.0]    | 25.7 [7.5]  | 24.2 [7.1]  | 32.3 [9.5]    | 30.5 [8.9]  | 28.7 [8.4]  | 36.1 [10.6]   | 34.1 [10.0] | 32.1 [9.4]  |
|                                                       |               | Power             | 2.5           | 2.5         | 2.5         | 2.5           | 2.5         | 2.5         | 2.5           | 2.5         | 2.4         |
|                                                       | 80<br>[26.7]  | Total kBtu/h [kW] | 43.7 [12.8]   | 42.7 [12.5] | 41.7 [12.2] | 40.5 [11.9]   | 39.6 [11.6] | 38.7 [11.3] | 38.0 [11.1]   | 37.2 [10.9] | 36.4 [10.7] |
|                                                       |               | Sens kBtu/h [kW]  | 27.0 [7.9]    | 25.5 [7.5]  | 24.0 [7.0]  | 32.1 [9.4]    | 30.3 [8.9]  | 28.5 [8.4]  | 35.8 [10.5]   | 33.9 [9.9]  | 31.9 [9.3]  |
|                                                       |               | Power             | 2.7           | 2.7         | 2.6         | 2.7           | 2.6         | 2.6         | 2.7           | 2.6         | 2.6         |
|                                                       | 85<br>[29.4]  | Total kBtu/h [kW] | 42.6 [12.5]   | 41.7 [12.2] | 40.7 [11.9] | 39.5 [11.6]   | 38.6 [11.3] | 37.7 [11.0] | 37.0 [10.8]   | 36.2 [10.6] | 35.4 [10.4] |
|                                                       |               | Sens kBtu/h [kW]  | 26.7 [7.8]    | 25.2 [7.4]  | 23.7 [6.9]  | 31.7 [9.3]    | 30.0 [8.8]  | 28.2 [8.3]  | 35.5 [10.4]   | 33.6 [9.8]  | 31.6 [9.3]  |
|                                                       |               | Power             | 2.8           | 2.8         | 2.8         | 2.8           | 2.8         | 2.8         | 2.8           | 2.8         | 2.7         |
|                                                       | 90<br>[32.2]  | Total kBtu/h [kW] | 41.5 [12.2]   | 40.6 [11.9] | 39.6 [11.6] | 38.3 [11.2]   | 37.5 [11.0] | 36.6 [10.7] | 35.9 [10.5]   | 35.1 [10.3] | 34.3 [10.1] |
|                                                       |               | Sens kBtu/h [kW]  | 26.3 [7.7]    | 24.8 [7.3]  | 23.4 [6.9]  | 31.3 [9.2]    | 29.6 [8.7]  | 27.9 [8.2]  | 35.1 [10.3]   | 33.2 [9.7]  | 31.3 [9.2]  |
|                                                       |               | Power             | 3.0           | 2.9         | 2.9         | 3.0           | 2.9         | 2.9         | 2.9           | 2.9         | 2.9         |
|                                                       | 95<br>[35]    | Total kBtu/h [kW] | 40.2 [11.8]   | 39.3 [11.5] | 38.4 [11.3] | 37.0 [10.8]   | 36.2 [10.6] | 35.4 [10.4] | 34.6 [10.1]   | 33.8 [9.9]  | 33.0 [9.7]  |
|                                                       |               | Sens kBtu/h [kW]  | 25.8 [7.6]    | 24.4 [7.2]  | 23.0 [6.7]  | 30.9 [9.1]    | 29.2 [8.6]  | 27.5 [8.1]  | 34.6 [10.1]   | 32.7 [9.6]  | 30.8 [9.0]  |
|                                                       |               | Power             | 3.1           | 3.1         | 3.1         | 3.1           | 3.1         | 3.0         | 3.1           | 3.1         | 3.0         |
|                                                       | 100<br>[37.8] | Total kBtu/h [kW] | 38.7 [11.3]   | 37.9 [11.1] | 37.0 [10.8] | 35.6 [10.4]   | 34.8 [10.2] | 34.0 [10.0] | 33.1 [9.7]    | 32.4 [9.5]  | 31.6 [9.3]  |
|                                                       |               | Sens kBtu/h [kW]  | 25.3 [7.4]    | 23.9 [7.0]  | 22.5 [6.6]  | 30.3 [8.9]    | 28.6 [8.4]  | 27.0 [7.9]  | 33.1 [9.7]    | 32.2 [9.4]  | 30.3 [8.9]  |
|                                                       |               | Power             | 3.3           | 3.2         | 3.2         | 3.3           | 3.2         | 3.2         | 3.2           | 3.2         | 3.2         |
|                                                       | 105<br>[40.6] | Total kBtu/h [kW] | 37.1 [10.9]   | 36.3 [10.6] | 35.5 [10.4] | 34.0 [10.0]   | 33.2 [9.7]  | 32.5 [9.5]  | 31.5 [9.2]    | 30.8 [9.0]  | 30.1 [8.8]  |
|                                                       |               | Sens kBtu/h [kW]  | 24.6 [7.2]    | 23.3 [6.8]  | 21.9 [6.4]  | 29.7 [8.7]    | 28.0 [8.2]  | 26.4 [7.7]  | 31.5 [9.2]    | 30.8 [9.0]  | 29.8 [8.7]  |
|                                                       |               | Power             | 3.4           | 3.4         | 3.3         | 3.4           | 3.4         | 3.3         | 3.4           | 3.4         | 3.3         |
|                                                       | 110<br>[43.3] | Total kBtu/h [kW] | 35.4 [10.4]   | 34.6 [10.1] | 33.8 [9.9]  | 32.2 [9.4]    | 31.5 [9.2]  | 30.8 [9.0]  | 29.8 [8.7]    | 29.1 [8.5]  | 28.5 [8.4]  |
|                                                       |               | Sens kBtu/h [kW]  | 23.9 [7.0]    | 22.6 [6.6]  | 21.3 [6.2]  | 29.0 [8.5]    | 27.4 [8.0]  | 25.8 [7.6]  | 29.8 [8.7]    | 29.1 [8.5]  | 28.5 [8.4]  |
|                                                       |               | Power             | 3.6           | 3.5         | 3.5         | 3.6           | 3.5         | 3.5         | 3.5           | 3.5         | 3.5         |
|                                                       | 115<br>[46.1] | Total kBtu/h [kW] | 33.5 [9.8]    | 32.8 [9.6]  | 32.0 [9.4]  | 30.4 [8.9]    | 29.7 [8.7]  | 29.0 [8.5]  | 27.9 [8.2]    | 27.3 [8.0]  | 26.7 [7.8]  |
|                                                       |               | Sens kBtu/h [kW]  | 23.1 [6.8]    | 21.8 [6.4]  | 20.6 [6.0]  | 28.2 [8.3]    | 26.6 [7.8]  | 25.1 [7.4]  | 27.9 [8.2]    | 27.3 [8.0]  | 26.7 [7.8]  |
|                                                       |               | Power             | 3.7           | 3.7         | 3.6         | 3.7           | 3.7         | 3.6         | 3.7           | 3.6         | 3.6         |
|                                                       | 120<br>[48.9] | Total kBtu/h [kW] | 31.5 [9.2]    | 30.8 [9.0]  | 30.1 [8.8]  | 28.3 [8.3]    | 27.7 [8.1]  | 27.1 [7.9]  | 25.9 [7.6]    | 25.3 [7.4]  | 24.7 [7.2]  |
|                                                       |               | Sens kBtu/h [kW]  | 22.3 [6.5]    | 21.0 [6.2]  | 19.8 [5.8]  | 27.3 [8.0]    | 25.8 [7.6]  | 24.3 [7.1]  | 25.9 [7.6]    | 25.3 [7.4]  | 24.7 [7.2]  |
|                                                       |               | Power             | 3.9           | 3.8         | 3.8         | 3.9           | 3.8         | 3.8         | 3.8           | 3.8         | 3.8         |
|                                                       | 125<br>[51.7] | Total kBtu/h [kW] | 29.3 [8.6]    | 28.7 [8.4]  | 28.0 [8.2]  | 26.2 [7.7]    | 25.6 [7.5]  | 25.0 [7.3]  | 23.7 [6.9]    | 23.2 [6.8]  | 22.7 [6.7]  |
|                                                       |               | Sens kBtu/h [kW]  | 21.3 [6.2]    | 20.1 [5.9]  | 19.0 [5.6]  | 26.2 [7.7]    | 24.9 [7.3]  | 23.5 [6.9]  | 23.7 [6.9]    | 23.2 [6.8]  | 22.7 [6.7]  |
|                                                       |               | Power             | 4.0           | 4.0         | 3.9         | 4.0           | 4.0         | 3.9         | 4.0           | 3.9         | 3.9         |

DR —Depression ratio  
dbE —Entering air dry bulb  
wbE —Entering air wet bulb

Total —Total capacity x 1000 Btu/h  
Sens —Sensible capacity x 1000 Btu/h  
Power —kW input

NOTES: ① When the entering air dry bulb is other than 80°F [27°C], adjust the sensible capacity from the table by adding  $[1.10 \times \text{CFM} \times (1 - \text{DR}) \times (\text{dbE} - 80)]$ .

[ ] Designates Metric Conversions

## GROSS SYSTEMS COOLING PERFORMANCE DATA—RHPBYB042

| RHPBYB042 - ENTERING INDOOR AIR @ 80°F [26.7°C] dbE ① |                   |                   |               |             |             |               |             |             |               |             |             |
|-------------------------------------------------------|-------------------|-------------------|---------------|-------------|-------------|---------------|-------------|-------------|---------------|-------------|-------------|
| wbE                                                   |                   |                   | 71°F [21.7°C] |             |             | 67°F [19.4°C] |             |             | 63°F [17.2°C] |             |             |
| CFM [L/s]                                             |                   |                   | 1550 [732]    | 1400 [661]  | 1200 [566]  | 1550 [732]    | 1400 [661]  | 1200 [566]  | 1550 [732]    | 1400 [661]  | 1200 [566]  |
| DR ①                                                  |                   |                   | .05           | .09         | .12         | .05           | .09         | .12         | .05           | .09         | .12         |
| OUTDOOR<br>DRY<br>BULB<br>TEMPERATURE<br>°F [°C]      | 75<br>[23.9]      | Total kBtu/h [kW] | 49.8 [14.6]   | 48.9 [14.3] | 47.6 [14.0] | 46.6 [13.7]   | 45.7 [13.4] | 44.6 [13.1] | 44.2 [13.0]   | 43.4 [12.7] | 42.3 [12.4] |
|                                                       |                   | Sens kBtu/h [kW]  | 30.1 [8.8]    | 28.7 [8.4]  | 26.8 [7.9]  | 36.0 [10.6]   | 34.3 [10.1] | 32.0 [9.4]  | 41.6 [12.2]   | 39.7 [11.6] | 37.0 [10.8] |
|                                                       |                   | Power             | 2.9           | 2.9         | 2.8         | 2.9           | 2.9         | 2.8         | 2.9           | 2.9         | 2.8         |
|                                                       | 80<br>[26.7]      | Total kBtu/h [kW] | 48.8 [14.3]   | 47.9 [14.0] | 46.6 [13.7] | 45.6 [13.4]   | 44.7 [13.1] | 43.6 [12.8] | 43.2 [12.7]   | 42.4 [12.4] | 41.3 [12.1] |
|                                                       |                   | Sens kBtu/h [kW]  | 29.7 [8.7]    | 28.3 [8.3]  | 26.4 [7.7]  | 35.6 [10.4]   | 33.9 [9.9]  | 31.7 [9.3]  | 41.3 [12.1]   | 39.3 [11.5] | 36.7 [10.8] |
|                                                       |                   | Power             | 3.1           | 3.0         | 3.0         | 3.0           | 3.0         | 3.0         | 3.0           | 3.0         | 3.0         |
|                                                       | 85<br>[29.4]      | Total kBtu/h [kW] | 47.7 [14.0]   | 46.8 [13.7] | 45.5 [13.3] | 44.5 [13.0]   | 43.6 [12.8] | 42.5 [12.5] | 42.1 [12.3]   | 41.3 [12.1] | 40.2 [11.8] |
|                                                       |                   | Sens kBtu/h [kW]  | 29.3 [8.6]    | 27.9 [8.2]  | 26.0 [7.6]  | 35.2 [10.3]   | 33.5 [9.8]  | 31.3 [9.2]  | 40.8 [12.0]   | 38.9 [11.4] | 36.3 [10.6] |
|                                                       |                   | Power             | 3.2           | 3.2         | 3.1         | 3.2           | 3.2         | 3.1         | 3.2           | 3.2         | 3.1         |
|                                                       | 90<br>[32.2]      | Total kBtu/h [kW] | 46.4 [13.6]   | 45.6 [13.4] | 44.4 [13.0] | 43.3 [12.7]   | 42.4 [12.4] | 41.3 [12.1] | 40.9 [12.0]   | 40.1 [11.8] | 39.1 [11.5] |
| Sens kBtu/h [kW]                                      |                   | 28.8 [8.4]        | 27.4 [8.0]    | 25.6 [7.5]  | 34.7 [10.2] | 33.0 [9.7]    | 30.8 [9.0]  | 40.3 [11.8] | 38.4 [11.3]   | 35.8 [10.5] |             |
| Power                                                 |                   | 3.4               | 3.4           | 3.3         | 3.4         | 3.3           | 3.3         | 3.4         | 3.3           | 3.3         |             |
| 95<br>[35]                                            | Total kBtu/h [kW] | 45.1 [13.2]       | 44.3 [13.0]   | 43.1 [12.6] | 41.9 [12.3] | 41.1 [12.0]   | 40.1 [11.8] | 39.6 [11.6] | 38.8 [11.4]   | 37.8 [11.1] |             |
|                                                       | Sens kBtu/h [kW]  | 28.2 [8.3]        | 26.9 [7.9]    | 25.1 [7.4]  | 34.1 [10.0] | 32.5 [9.5]    | 30.3 [8.9]  | 39.6 [11.6] | 37.8 [11.1]   | 35.3 [10.3] |             |
|                                                       | Power             | 3.6               | 3.5           | 3.5         | 3.6         | 3.5           | 3.5         | 3.5         | 3.5           | 3.5         |             |
| 100<br>[37.8]                                         | Total kBtu/h [kW] | 43.7 [12.8]       | 42.9 [12.6]   | 41.7 [12.2] | 40.5 [11.9] | 39.8 [11.7]   | 38.7 [11.3] | 38.1 [11.2] | 37.4 [11.0]   | 36.4 [10.7] |             |
|                                                       | Sens kBtu/h [kW]  | 27.6 [8.1]        | 26.3 [7.7]    | 24.5 [7.2]  | 33.5 [9.8]  | 31.9 [9.3]    | 29.8 [8.7]  | 38.1 [11.2] | 37.2 [10.9]   | 34.8 [10.2] |             |
|                                                       | Power             | 3.7               | 3.7           | 3.7         | 3.7         | 3.7           | 3.7         | 3.7         | 3.7           | 3.7         |             |
| 105<br>[40.6]                                         | Total kBtu/h [kW] | 42.2 [12.4]       | 41.4 [12.1]   | 40.3 [11.8] | 39.0 [11.4] | 38.3 [11.2]   | 37.3 [10.9] | 36.6 [10.7] | 35.9 [10.5]   | 35.0 [10.3] |             |
|                                                       | Sens kBtu/h [kW]  | 26.9 [7.9]        | 25.6 [7.5]    | 23.9 [7.0]  | 32.8 [9.6]  | 31.2 [9.1]    | 29.1 [8.5]  | 36.6 [10.7] | 35.9 [10.5]   | 34.1 [10.0] |             |
|                                                       | Power             | 3.9               | 3.9           | 3.9         | 3.9         | 3.9           | 3.8         | 3.9         | 3.9           | 3.8         |             |
| 110<br>[43.3]                                         | Total kBtu/h [kW] | 40.5 [11.9]       | 39.8 [11.7]   | 38.7 [11.3] | 37.4 [11.0] | 36.7 [10.8]   | 35.7 [10.5] | 35.0 [10.3] | 34.3 [10.1]   | 33.4 [9.8]  |             |
|                                                       | Sens kBtu/h [kW]  | 26.1 [7.6]        | 24.9 [7.3]    | 23.2 [6.8]  | 32 [9.4]    | 30.5 [8.9]    | 28.5 [8.4]  | 35.0 [10.3] | 34.3 [10.1]   | 33.4 [9.8]  |             |
|                                                       | Power             | 4.1               | 4.1           | 4.1         | 4.1         | 4.1           | 4.0         | 4.1         | 4.1           | 4.0         |             |
| 115<br>[46.1]                                         | Total kBtu/h [kW] | 38.8 [11.4]       | 38.1 [11.2]   | 37.1 [10.9] | 35.6 [10.4] | 35.0 [10.3]   | 34.1 [10.0] | 33.2 [9.7]  | 32.6 [9.6]    | 31.8 [9.3]  |             |
|                                                       | Sens kBtu/h [kW]  | 25.3 [7.4]        | 24.1 [7.1]    | 22.5 [6.6]  | 31.2 [9.1]  | 29.7 [8.7]    | 27.7 [8.1]  | 33.2 [9.7]  | 32.6 [9.6]    | 31.8 [9.3]  |             |
|                                                       | Power             | 4.4               | 4.3           | 4.3         | 4.3         | 4.3           | 4.2         | 4.3         | 4.3           | 4.2         |             |
| 120<br>[48.9]                                         | Total kBtu/h [kW] | 37.0 [10.8]       | 36.3 [10.6]   | 35.3 [10.3] | 33.8 [9.9]  | 33.2 [9.7]    | 32.3 [9.5]  | 31.4 [9.2]  | 30.8 [9.0]    | 30.0 [8.8]  |             |
|                                                       | Sens kBtu/h [kW]  | 24.4 [7.2]        | 23.2 [6.8]    | 21.7 [6.4]  | 30.3 [8.9]  | 28.9 [8.5]    | 26.9 [7.9]  | 31.4 [9.2]  | 30.8 [9.0]    | 30.0 [8.8]  |             |
|                                                       | Power             | 4.6               | 4.5           | 4.5         | 4.6         | 4.5           | 4.5         | 4.6         | 4.5           | 4.5         |             |
| 125<br>[51.7]                                         | Total kBtu/h [kW] | 35.0 [10.3]       | 34.4 [10.1]   | 33.5 [9.8]  | 31.9 [9.3]  | 31.3 [9.2]    | 30.5 [8.9]  | 29.5 [8.6]  | 28.9 [8.5]    | 28.2 [8.3]  |             |
|                                                       | Sens kBtu/h [kW]  | 23.4 [6.9]        | 22.3 [6.5]    | 20.8 [6.1]  | 29.3 [8.6]  | 27.9 [8.2]    | 26.1 [7.6]  | 29.5 [8.6]  | 28.9 [8.5]    | 28.2 [8.3]  |             |
|                                                       | Power             | 4.8               | 4.7           | 4.7         | 4.8         | 4.7           | 4.7         | 4.8         | 4.7           | 4.7         |             |

DR —Depression ratio  
dbE —Entering air dry bulb  
wbE—Entering air wet bulb

Total —Total capacity x 1000 Btu/h  
Sens —Sensible capacity x 1000 Btu/h  
Power —kW input

NOTES: ① When the entering air dry bulb is other than 80°F [27°C], adjust the sensible capacity from the table by adding  $[1.10 \times \text{CFM} \times (1 - \text{DR}) \times (\text{dbE} - 80)]$ .

[ ] Designates Metric Conversions

## GROSS SYSTEMS COOLING PERFORMANCE DATA—RHPBYB048

| RHPBYB048 - ENTERING INDOOR AIR @ 80°F [26.7°C] dbE ① |                   |                   |               |             |             |               |             |             |               |             |             |
|-------------------------------------------------------|-------------------|-------------------|---------------|-------------|-------------|---------------|-------------|-------------|---------------|-------------|-------------|
| wbE                                                   |                   |                   | 71°F [21.7°C] |             |             | 67°F [19.4°C] |             |             | 63°F [17.2°C] |             |             |
| CFM [L/s]                                             |                   |                   | 1700 [802]    | 1600 [755]  | 1325 [625]  | 1700 [802]    | 1600 [755]  | 1325 [625]  | 1700 [802]    | 1600 [755]  | 1325 [625]  |
| DR ①                                                  |                   |                   | .05           | .09         | .12         | .05           | .09         | .12         | .05           | .09         | .12         |
| OUTDOOR DRY BULB TEMPERATURE<br>°F [°C]               | 75<br>[23.9]      | Total kBtu/h [kW] | 52.9 [15.5]   | 52.3 [15.3] | 50.7 [14.9] | 51.2 [15.0]   | 50.7 [14.9] | 49.1 [14.4] | 49.6 [14.5]   | 49.0 [14.4] | 47.5 [13.9] |
|                                                       |                   | Sens kBtu/h [kW]  | 28.2 [8.3]    | 27.4 [8.0]  | 25.2 [7.4]  | 36.3 [10.6]   | 35.3 [10.3] | 32.5 [9.5]  | 42.4 [12.4]   | 41.2 [12.1] | 37.9 [11.1] |
|                                                       |                   | Power             | 3.2           | 3.2         | 3.2         | 3.2           | 3.2         | 3.2         | 3.2           | 3.2         | 3.2         |
|                                                       | 80<br>[26.7]      | Total kBtu/h [kW] | 51.6 [15.1]   | 51.0 [14.9] | 49.4 [14.5] | 49.9 [14.6]   | 49.3 [14.4] | 47.8 [14.0] | 48.2 [14.1]   | 47.7 [14.0] | 46.2 [13.5] |
|                                                       |                   | Sens kBtu/h [kW]  | 27.4 [8.0]    | 26.6 [7.8]  | 24.4 [7.2]  | 35.5 [10.4]   | 34.5 [10.1] | 31.8 [9.3]  | 41.6 [12.2]   | 40.4 [11.8] | 37.2 [10.9] |
|                                                       |                   | Power             | 3.4           | 3.4         | 3.4         | 3.4           | 3.4         | 3.4         | 3.4           | 3.4         | 3.3         |
|                                                       | 85<br>[29.4]      | Total kBtu/h [kW] | 50.2 [14.7]   | 49.7 [14.6] | 48.1 [14.1] | 48.6 [14.2]   | 48.0 [14.1] | 46.5 [13.6] | 46.9 [13.7]   | 46.4 [13.6] | 44.9 [13.2] |
|                                                       |                   | Sens kBtu/h [kW]  | 26.6 [7.8]    | 25.8 [7.6]  | 23.8 [7.0]  | 34.8 [10.2]   | 33.8 [9.9]  | 31.1 [9.1]  | 40.9 [12.0]   | 39.7 [11.6] | 36.5 [10.7] |
|                                                       |                   | Power             | 3.6           | 3.6         | 3.5         | 3.6           | 3.6         | 3.5         | 3.6           | 3.6         | 3.5         |
|                                                       | 90<br>[32.2]      | Total kBtu/h [kW] | 48.9 [14.3]   | 48.3 [14.2] | 46.8 [13.7] | 47.2 [13.8]   | 46.7 [13.7] | 45.2 [13.2] | 45.6 [13.4]   | 45.0 [13.2] | 43.6 [12.8] |
|                                                       |                   | Sens kBtu/h [kW]  | 25.9 [7.6]    | 25.2 [7.4]  | 23.1 [6.8]  | 34.1 [10.0]   | 33.1 [9.7]  | 30.5 [8.9]  | 40.1 [11.8]   | 39.0 [11.4] | 35.9 [10.5] |
|                                                       |                   | Power             | 3.8           | 3.8         | 3.7         | 3.8           | 3.8         | 3.7         | 3.8           | 3.8         | 3.7         |
| 95<br>[35]                                            | Total kBtu/h [kW] | 47.6 [14.0]       | 47.0 [13.8]   | 45.6 [13.4] | 45.9 [13.5] | 45.4 [13.3]   | 44.0 [12.9] | 44.2 [13.0] | 43.7 [12.8]   | 42.4 [12.4] |             |
|                                                       | Sens kBtu/h [kW]  | 25.2 [7.4]        | 24.5 [7.2]    | 22.6 [6.6]  | 33.4 [9.8]  | 32.5 [9.5]    | 29.9 [8.8]  | 39.5 [11.6] | 38.4 [11.3]   | 35.3 [10.3] |             |
|                                                       | Power             | 4.0               | 3.9           | 3.9         | 4.0         | 4.0           | 3.9         | 4.0         | 3.9           | 3.9         |             |
| 100<br>[37.8]                                         | Total kBtu/h [kW] | 46.2 [13.5]       | 45.7 [13.4]   | 44.3 [13.0] | 44.6 [13.1] | 44.1 [12.9]   | 42.7 [12.5] | 42.9 [12.6] | 42.4 [12.4]   | 41.1 [12.0] |             |
|                                                       | Sens kBtu/h [kW]  | 24.7 [7.2]        | 24.0 [7.0]    | 22.0 [6.4]  | 32.8 [9.6]  | 31.9 [9.3]    | 29.3 [8.6]  | 38.9 [11.4] | 37.8 [11.1]   | 34.8 [10.2] |             |
|                                                       | Power             | 4.1               | 4.1           | 4.1         | 4.2         | 4.1           | 4.1         | 4.1         | 4.1           | 4.1         |             |
| 105<br>[40.6]                                         | Total kBtu/h [kW] | 44.9 [13.2]       | 44.4 [13.0]   | 43.0 [12.6] | 43.2 [12.7] | 42.7 [12.5]   | 41.4 [12.1] | 41.6 [12.2] | 41.1 [12.0]   | 39.8 [11.7] |             |
|                                                       | Sens kBtu/h [kW]  | 24.1 [7.1]        | 23.4 [6.9]    | 21.6 [6.3]  | 32.3 [9.5]  | 31.4 [9.2]    | 28.9 [8.5]  | 38.4 [11.3] | 37.3 [10.9]   | 34.3 [10.1] |             |
|                                                       | Power             | 4.3               | 4.3           | 4.2         | 4.3         | 4.3           | 4.2         | 4.3         | 4.3           | 4.2         |             |
| 110<br>[43.3]                                         | Total kBtu/h [kW] | 43.6 [12.8]       | 43.1 [12.6]   | 41.7 [12.2] | 41.9 [12.3] | 41.4 [12.1]   | 40.1 [11.8] | 40.2 [11.8] | 39.8 [11.7]   | 38.5 [11.3] |             |
|                                                       | Sens kBtu/h [kW]  | 23.7 [6.9]        | 23.0 [6.7]    | 21.1 [6.2]  | 31.8 [9.3]  | 30.9 [9.1]    | 28.5 [8.4]  | 37.9 [11.1] | 36.8 [10.8]   | 33.9 [9.9]  |             |
|                                                       | Power             | 4.5               | 4.5           | 4.4         | 4.5         | 4.5           | 4.4         | 4.5         | 4.5           | 4.4         |             |
| 115<br>[46.1]                                         | Total kBtu/h [kW] | 42.2 [12.4]       | 41.7 [12.2]   | 40.4 [11.8] | 40.6 [11.9] | 40.1 [11.8]   | 38.8 [11.4] | 38.9 [11.4] | 38.4 [11.3]   | 37.2 [10.9] |             |
|                                                       | Sens kBtu/h [kW]  | 23.2 [6.8]        | 22.6 [6.6]    | 20.8 [6.1]  | 31.4 [9.2]  | 30.5 [8.9]    | 28.1 [8.2]  | 37.5 [11.0] | 36.4 [10.7]   | 33.5 [9.8]  |             |
|                                                       | Power             | 4.7               | 4.7           | 4.6         | 4.7         | 4.7           | 4.6         | 4.7         | 4.7           | 4.6         |             |
| 120<br>[48.9]                                         | Total kBtu/h [kW] | 40.9 [12.0]       | 40.4 [11.8]   | 39.2 [11.5] | 39.2 [11.5] | 38.8 [11.4]   | 37.6 [11.0] | 37.5 [11.0] | 37.1 [10.9]   | 36.0 [10.6] |             |
|                                                       | Sens kBtu/h [kW]  | 22.9 [6.7]        | 22.2 [6.5]    | 20.4 [6.0]  | 31.1 [9.1]  | 30.2 [8.9]    | 27.8 [8.1]  | 37.1 [10.9] | 36.1 [10.6]   | 33.2 [9.7]  |             |
|                                                       | Power             | 4.9               | 4.8           | 4.8         | 4.9         | 4.8           | 4.8         | 4.9         | 4.8           | 4.8         |             |
| 125<br>[51.7]                                         | Total kBtu/h [kW] | 39.6 [11.6]       | 39.1 [11.5]   | 37.9 [11.1] | 37.9 [11.1] | 37.5 [11.0]   | 36.3 [10.6] | 36.2 [10.6] | 35.8 [10.5]   | 34.7 [10.2] |             |
|                                                       | Sens kBtu/h [kW]  | 22.6 [6.6]        | 21.9 [6.4]    | 20.2 [5.9]  | 30.8 [9.0]  | 29.9 [8.8]    | 27.5 [8.1]  | 36.2 [10.6] | 35.8 [10.5]   | 32.9 [9.6]  |             |
|                                                       | Power             | 5.0               | 5.0           | 4.9         | 5.1         | 5.0           | 5.0         | 5.0         | 5.0           | 4.9         |             |

DR —Depression ratio  
dbE —Entering air dry bulb  
wbE —Entering air wet bulb

Total —Total capacity x 1000 Btu/h  
Sens —Sensible capacity x 1000 Btu/h  
Power —kW input

NOTES: ① When the entering air dry bulb is other than 80°F [27°C], adjust the sensible capacity from the table by adding  $[1.10 \times \text{CFM} \times (1 - \text{DR}) \times (\text{dbE} - 80)]$ .

[ ] Designates Metric Conversions

## GROSS SYSTEMS COOLING PERFORMANCE DATA—RHPBYB060

| RHPBYB060 - ENTERING INDOOR AIR @ 80°F [26.7°C] dbE ① |               |                                                |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |                                   |
|-------------------------------------------------------|---------------|------------------------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|
| wbE                                                   |               |                                                | 71°F [21.7°C]                     |                                   |                                   | 67°F [19.4°C]                     |                                   |                                   | 63°F [17.2°C]                     |                                   |                                   |
| CFM [L/s]                                             |               |                                                | 2200 [1038]                       | 1900 [897]                        | 1700 [802]                        | 2200 [1038]                       | 1900 [897]                        | 1700 [802]                        | 2200 [1038]                       | 1900 [897]                        | 1700 [802]                        |
| DR ①                                                  |               |                                                | .05                               | .09                               | .12                               | .05                               | .09                               | .12                               | .05                               | .09                               | .12                               |
| OUTDOOR DRY BULB TEMPERATURE<br>°F [°C]               | 75<br>[23.9]  | Total kBtu/h [kW]<br>Sens kBtu/h [kW]<br>Power | 73.4 [21.5]<br>44.3 [13.0]<br>4.2 | 71.3 [20.9]<br>41.3 [12.1]<br>4.2 | 70.0 [20.5]<br>39.3 [11.5]<br>4.1 | 69.1 [20.3]<br>50.6 [14.8]<br>4.2 | 67.2 [19.7]<br>47.1 [13.8]<br>4.2 | 65.9 [19.3]<br>44.8 [13.1]<br>4.1 | 64.9 [19.0]<br>56.9 [16.7]<br>4.2 | 63.1 [18.5]<br>53.0 [15.5]<br>4.1 | 61.9 [18.1]<br>50.4 [14.8]<br>4.1 |
|                                                       | 80<br>[26.7]  | Total kBtu/h [kW]<br>Sens kBtu/h [kW]<br>Power | 71.1 [20.8]<br>43.2 [12.7]<br>4.5 | 69.1 [20.3]<br>40.3 [11.8]<br>4.4 | 67.8 [19.9]<br>38.3 [11.2]<br>4.4 | 66.9 [19.6]<br>49.5 [14.5]<br>4.5 | 65.0 [19.1]<br>46.1 [13.5]<br>4.4 | 63.8 [18.7]<br>43.8 [12.8]<br>4.4 | 62.7 [18.4]<br>55.8 [16.4]<br>4.4 | 60.9 [17.8]<br>51.9 [15.2]<br>4.4 | 59.7 [17.5]<br>49.4 [14.5]<br>4.3 |
|                                                       | 85<br>[29.4]  | Total kBtu/h [kW]<br>Sens kBtu/h [kW]<br>Power | 68.8 [20.2]<br>42.1 [12.3]<br>4.7 | 66.9 [19.6]<br>39.2 [11.5]<br>4.7 | 65.6 [19.2]<br>37.3 [10.9]<br>4.6 | 64.6 [18.9]<br>48.4 [14.2]<br>4.7 | 62.8 [18.4]<br>45.1 [13.2]<br>4.7 | 61.6 [18.1]<br>42.9 [12.6]<br>4.6 | 60.4 [17.7]<br>54.7 [16.0]<br>4.7 | 58.7 [17.2]<br>50.9 [14.9]<br>4.6 | 57.6 [16.9]<br>48.4 [14.2]<br>4.6 |
|                                                       | 90<br>[32.2]  | Total kBtu/h [kW]<br>Sens kBtu/h [kW]<br>Power | 66.6 [19.5]<br>41.1 [12.0]<br>5.0 | 64.7 [19.0]<br>38.2 [11.2]<br>4.9 | 63.5 [18.6]<br>36.4 [10.7]<br>4.9 | 62.4 [18.3]<br>47.3 [13.9]<br>5.0 | 60.6 [17.8]<br>44.1 [12.9]<br>4.9 | 59.5 [17.4]<br>41.9 [12.3]<br>4.8 | 58.1 [17.0]<br>53.6 [15.7]<br>4.9 | 56.5 [16.6]<br>49.9 [14.6]<br>4.9 | 55.4 [16.2]<br>47.5 [13.9]<br>4.8 |
|                                                       | 95<br>[35]    | Total kBtu/h [kW]<br>Sens kBtu/h [kW]<br>Power | 64.3 [18.8]<br>40.0 [11.7]<br>5.2 | 62.5 [18.3]<br>37.2 [10.9]<br>5.2 | 61.3 [18.0]<br>35.4 [10.4]<br>5.1 | 60.1 [17.6]<br>46.2 [13.5]<br>5.2 | 58.4 [17.1]<br>43.1 [12.6]<br>5.1 | 57.3 [16.8]<br>40.9 [12.0]<br>5.1 | 55.9 [16.4]<br>52.5 [15.4]<br>5.2 | 54.3 [15.9]<br>48.9 [14.3]<br>5.1 | 53.3 [15.6]<br>46.5 [13.6]<br>5.0 |
|                                                       | 100<br>[37.8] | Total kBtu/h [kW]<br>Sens kBtu/h [kW]<br>Power | 62.0 [18.2]<br>38.9 [11.4]<br>5.5 | 60.3 [17.7]<br>36.2 [10.6]<br>5.4 | 59.2 [17.4]<br>34.4 [10.1]<br>5.3 | 57.8 [16.9]<br>45.1 [13.2]<br>5.4 | 56.2 [16.5]<br>42.0 [12.3]<br>5.4 | 55.1 [16.1]<br>40.0 [11.7]<br>5.3 | 53.6 [15.7]<br>51.4 [15.1]<br>5.4 | 52.1 [15.3]<br>47.9 [14.0]<br>5.3 | 51.1 [15.0]<br>45.5 [13.3]<br>5.3 |
|                                                       | 105<br>[40.6] | Total kBtu/h [kW]<br>Sens kBtu/h [kW]<br>Power | 59.8 [17.5]<br>37.8 [11.1]<br>5.7 | 58.1 [17.0]<br>35.2 [10.3]<br>5.6 | 57.0 [16.7]<br>33.5 [9.8]<br>5.6  | 55.6 [16.3]<br>44.0 [12.9]<br>5.7 | 54.0 [15.8]<br>41.0 [12.0]<br>5.6 | 53.0 [15.5]<br>39.0 [11.4]<br>5.6 | 51.3 [15.0]<br>50.3 [14.7]<br>5.7 | 49.9 [14.6]<br>46.9 [13.7]<br>5.6 | 49.0 [14.4]<br>44.6 [13.1]<br>5.5 |
|                                                       | 110<br>[43.3] | Total kBtu/h [kW]<br>Sens kBtu/h [kW]<br>Power | 57.5 [16.9]<br>36.7 [10.8]<br>6.0 | 55.9 [16.4]<br>34.2 [10.0]<br>5.9 | 54.8 [16.1]<br>32.5 [9.5]<br>5.8  | 53.3 [15.6]<br>43.0 [12.6]<br>5.9 | 51.8 [15.2]<br>40.0 [11.7]<br>5.9 | 50.8 [14.9]<br>38.0 [11.1]<br>5.8 | 49.1 [14.4]<br>49.1 [14.4]<br>5.9 | 47.7 [14.0]<br>45.8 [13.4]<br>5.8 | 46.8 [13.7]<br>43.6 [12.8]<br>5.8 |
|                                                       | 115<br>[46.1] | Total kBtu/h [kW]<br>Sens kBtu/h [kW]<br>Power | 55.3 [16.2]<br>35.6 [10.4]<br>6.2 | 53.7 [15.7]<br>33.2 [9.7]<br>6.1  | 52.7 [15.4]<br>31.5 [9.2]<br>6.1  | 51.0 [14.9]<br>41.9 [12.3]<br>6.2 | 49.6 [14.5]<br>39.0 [11.4]<br>6.1 | 48.7 [14.3]<br>37.1 [10.9]<br>6.0 | 46.8 [13.7]<br>46.8 [13.7]<br>6.1 | 45.5 [13.3]<br>44.8 [13.1]<br>6.1 | 44.6 [13.1]<br>42.6 [12.5]<br>6.0 |
|                                                       | 120<br>[48.9] | Total kBtu/h [kW]<br>Sens kBtu/h [kW]<br>Power | 53.0 [15.5]<br>34.5 [10.1]<br>6.4 | 51.5 [15.1]<br>32.1 [9.4]<br>6.4  | 50.5 [14.8]<br>30.6 [9.0]<br>6.3  | 48.8 [14.3]<br>40.8 [12.0]<br>6.4 | 47.4 [13.9]<br>38.0 [11.1]<br>6.3 | 46.5 [13.6]<br>36.1 [10.6]<br>6.3 | 44.5 [13.0]<br>44.5 [13.0]<br>6.4 | 43.3 [12.7]<br>43.3 [12.7]<br>6.3 | 42.5 [12.5]<br>41.7 [12.2]<br>6.2 |
|                                                       | 125<br>[51.7] | Total kBtu/h [kW]<br>Sens kBtu/h [kW]<br>Power | 50.7 [14.9]<br>33.4 [9.8]<br>6.7  | 49.3 [14.4]<br>31.1 [9.1]<br>6.6  | 48.4 [14.2]<br>29.6 [8.7]<br>6.5  | 46.5 [13.6]<br>39.7 [11.6]<br>6.7 | 45.2 [13.2]<br>37.0 [10.8]<br>6.6 | 44.3 [13.0]<br>35.1 [10.3]<br>6.5 | 42.3 [12.4]<br>42.3 [12.4]<br>6.6 | 41.1 [12.0]<br>41.1 [12.0]<br>6.5 | 40.3 [11.8]<br>40.3 [11.8]<br>6.5 |

DR —Depression ratio  
dbE —Entering air dry bulb  
wbE—Entering air wet bulb

Total —Total capacity x 1000 Btu/h  
Sens —Sensible capacity x 1000 Btu/h  
Power —kW input

NOTES: ① When the entering air dry bulb is other than 80°F [27°C], adjust the sensible capacity from the table by adding  $[1.10 \times \text{CFM} \times (1 - \text{DR}) \times (\text{dbE} - 80)]$ .

[ ] Designates Metric Conversions

## HEATING PERFORMANCE DATA—RHPBYB024

| IDB                                                 |               | 60°F [15.5°C]              |                   |                   | 70°F [21.1°C]     |                   |                   | 80°F [26.7°C]     |                   |                   |
|-----------------------------------------------------|---------------|----------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| CFM [L/s]                                           |               | 850 [401]                  | 800 [378]         | 675 [319]         | 850 [401]         | 800 [378]         | 675 [319]         | 850 [401]         | 800 [378]         | 675 [319]         |
| OUTDOOR<br>DRY<br>BULB<br>TEMPERATURE<br>°F<br>[°C] | 0<br>[-17.8]  | Total kBtu/h [kW]<br>Power | 8.3 [2.4]<br>1.4  | 8.3 [2.4]<br>1.4  | 8.2 [2.4]<br>1.4  | 7.3 [2.1]<br>1.5  | 7.3 [2.1]<br>1.5  | 7.2 [2.1]<br>1.6  | 6.3 [1.8]<br>1.7  | 6.3 [1.8]<br>1.7  |
|                                                     | 5<br>[-15]    | Total kBtu/h [kW]<br>Power | 10.0 [2.9]<br>1.4 | 9.9 [2.9]<br>1.4  | 9.8 [2.9]<br>1.5  | 9.0 [2.6]<br>1.5  | 8.9 [2.6]<br>1.6  | 8.8 [2.6]<br>1.6  | 8.0 [2.3]<br>1.7  | 7.9 [2.3]<br>1.8  |
|                                                     | 10<br>[-12.2] | Total kBtu/h [kW]<br>Power | 11.6 [3.4]<br>1.4 | 11.6 [3.4]<br>1.5 | 11.4 [3.3]<br>1.5 | 10.6 [3.1]<br>1.6 | 10.6 [3.1]<br>1.6 | 10.5 [3.1]<br>1.6 | 9.6 [2.8]<br>1.8  | 9.6 [2.8]<br>1.8  |
|                                                     | 15<br>[-9.4]  | Total kBtu/h [kW]<br>Power | 13.3 [3.9]<br>1.5 | 13.2 [3.9]<br>1.5 | 13.1 [3.8]<br>1.5 | 12.3 [3.6]<br>1.6 | 12.2 [3.6]<br>1.6 | 12.1 [3.5]<br>1.7 | 11.3 [3.3]<br>1.8 | 11.3 [3.3]<br>1.9 |
|                                                     | 20<br>[-6.7]  | Total kBtu/h [kW]<br>Power | 15.0 [4.4]<br>1.5 | 14.9 [4.4]<br>1.5 | 14.7 [4.3]<br>1.5 | 14.0 [4.1]<br>1.6 | 13.9 [4.1]<br>1.7 | 13.8 [4.0]<br>1.7 | 13.0 [3.8]<br>1.8 | 12.9 [3.8]<br>1.9 |
|                                                     | 25<br>[-3.9]  | Total kBtu/h [kW]<br>Power | 16.6 [4.9]<br>1.5 | 16.6 [4.9]<br>1.6 | 16.4 [4.8]<br>1.6 | 15.6 [4.6]<br>1.7 | 15.6 [4.6]<br>1.7 | 15.4 [4.5]<br>1.7 | 14.6 [4.3]<br>1.9 | 14.6 [4.3]<br>1.9 |
|                                                     | 30<br>[-1.1]  | Total kBtu/h [kW]<br>Power | 18.3 [5.4]<br>1.6 | 18.2 [5.3]<br>1.6 | 18.0 [5.3]<br>1.6 | 17.3 [5.1]<br>1.7 | 17.2 [5.0]<br>1.7 | 17.0 [5.0]<br>1.7 | 16.3 [4.8]<br>1.9 | 16.2 [4.7]<br>1.9 |
|                                                     | 35<br>[1.7]   | Total kBtu/h [kW]<br>Power | 20.0 [5.9]<br>1.6 | 19.9 [5.8]<br>1.6 | 19.7 [5.8]<br>1.6 | 19.0 [5.6]<br>1.7 | 18.9 [5.5]<br>1.7 | 18.7 [5.5]<br>1.8 | 18.0 [5.3]<br>1.9 | 17.9 [5.2]<br>1.9 |
|                                                     | 40<br>[4.4]   | Total kBtu/h [kW]<br>Power | 21.6 [6.3]<br>1.6 | 21.6 [6.3]<br>1.6 | 21.3 [6.2]<br>1.7 | 20.6 [6.0]<br>1.8 | 20.6 [6.0]<br>1.8 | 20.3 [5.9]<br>1.8 | 19.6 [5.7]<br>2.0 | 19.6 [5.7]<br>2.0 |
|                                                     | 45<br>[7.2]   | Total kBtu/h [kW]<br>Power | 23.3 [6.8]<br>1.7 | 23.2 [6.8]<br>1.7 | 23.0 [6.7]<br>1.7 | 22.3 [6.5]<br>1.8 | 22.2 [6.5]<br>1.8 | 22.0 [6.4]<br>1.8 | 21.3 [6.2]<br>2.0 | 21.2 [6.2]<br>2.0 |
|                                                     | 50<br>[10]    | Total kBtu/h [kW]<br>Power | 25.0 [7.3]<br>1.7 | 24.9 [7.3]<br>1.7 | 24.6 [7.2]<br>1.7 | 24.0 [7.0]<br>1.8 | 23.9 [7.0]<br>1.8 | 23.6 [6.9]<br>1.9 | 23.0 [6.7]<br>2.0 | 22.9 [6.7]<br>2.0 |

IDB —Indoor air dry bulb

## HEATING PERFORMANCE DATA—RHPBYB030

| IDB                                                 |               | 60°F [15.5°C]              |                   |                   | 70°F [21.1°C]     |                   |                   | 80°F [26.7°C]     |                   |                   |
|-----------------------------------------------------|---------------|----------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| CFM [L/s]                                           |               | 1050 [496]                 | 1000 [472]        | 825 [389]         | 1050 [496]        | 1000 [472]        | 825 [389]         | 1050 [496]        | 1000 [472]        | 825 [389]         |
| OUTDOOR<br>DRY<br>BULB<br>TEMPERATURE<br>°F<br>[°C] | 0<br>[-17.8]  | Total kBtu/h [kW]<br>Power | 10.3 [3.0]<br>1.7 | 10.3 [3.0]<br>1.7 | 10.2 [3.0]<br>1.7 | 9.6 [2.8]<br>1.9  | 9.6 [2.8]<br>1.9  | 9.4 [2.8]<br>1.9  | 8.8 [2.6]<br>2.1  | 8.7 [2.5]<br>2.2  |
|                                                     | 5<br>[-15]    | Total kBtu/h [kW]<br>Power | 12.3 [3.6]<br>1.7 | 12.3 [3.6]<br>1.7 | 12.1 [3.5]<br>1.8 | 11.6 [3.4]<br>1.9 | 11.5 [3.4]<br>1.9 | 11.4 [3.3]<br>2.0 | 10.8 [3.2]<br>2.1 | 10.6 [3.1]<br>2.2 |
|                                                     | 10<br>[-12.2] | Total kBtu/h [kW]<br>Power | 14.3 [4.2]<br>1.7 | 14.2 [4.2]<br>1.8 | 14.0 [4.1]<br>1.8 | 13.5 [4.0]<br>1.9 | 13.5 [4.0]<br>1.9 | 13.3 [3.9]<br>2.0 | 12.8 [3.8]<br>2.2 | 12.6 [3.7]<br>2.2 |
|                                                     | 15<br>[-9.4]  | Total kBtu/h [kW]<br>Power | 16.2 [4.7]<br>1.8 | 16.2 [4.7]<br>1.8 | 16.0 [4.7]<br>1.8 | 15.5 [4.5]<br>2.0 | 15.4 [4.5]<br>2.0 | 15.2 [4.5]<br>2.0 | 14.7 [4.3]<br>2.2 | 14.5 [4.2]<br>2.3 |
|                                                     | 20<br>[-6.7]  | Total kBtu/h [kW]<br>Power | 18.2 [5.3]<br>1.8 | 18.1 [5.3]<br>1.8 | 17.9 [5.2]<br>1.9 | 17.4 [5.1]<br>2.0 | 17.4 [5.1]<br>2.0 | 17.2 [5.0]<br>2.1 | 16.7 [4.9]<br>2.2 | 16.6 [4.9]<br>2.3 |
|                                                     | 25<br>[-3.9]  | Total kBtu/h [kW]<br>Power | 20.2 [5.9]<br>1.8 | 20.1 [5.9]<br>1.9 | 19.8 [5.8]<br>1.9 | 19.4 [5.7]<br>2.0 | 19.3 [5.7]<br>2.0 | 19.1 [5.6]<br>2.1 | 18.7 [5.5]<br>2.3 | 18.4 [5.4]<br>2.3 |
|                                                     | 30<br>[-1.1]  | Total kBtu/h [kW]<br>Power | 22.1 [6.5]<br>1.9 | 22.0 [6.4]<br>1.9 | 21.8 [6.4]<br>1.9 | 21.4 [6.3]<br>2.1 | 21.3 [6.2]<br>2.1 | 21.0 [6.2]<br>2.1 | 20.6 [6.0]<br>2.3 | 20.3 [5.9]<br>2.4 |
|                                                     | 35<br>[1.7]   | Total kBtu/h [kW]<br>Power | 24.1 [7.1]<br>1.9 | 24.0 [7.0]<br>1.9 | 23.7 [6.9]<br>2.0 | 23.3 [6.8]<br>2.1 | 23.3 [6.8]<br>2.1 | 23.0 [6.7]<br>2.2 | 22.6 [6.6]<br>2.3 | 22.5 [6.6]<br>2.4 |
|                                                     | 40<br>[4.4]   | Total kBtu/h [kW]<br>Power | 26.1 [7.6]<br>1.9 | 26.0 [7.6]<br>2.0 | 25.6 [7.5]<br>2.0 | 25.3 [7.4]<br>2.1 | 25.2 [7.4]<br>2.2 | 24.9 [7.3]<br>2.2 | 24.5 [7.2]<br>2.4 | 24.5 [7.2]<br>2.4 |
|                                                     | 45<br>[7.2]   | Total kBtu/h [kW]<br>Power | 28.0 [8.2]<br>2.0 | 27.9 [8.2]<br>2.0 | 27.6 [8.1]<br>2.0 | 27.3 [8.0]<br>2.2 | 27.2 [8.0]<br>2.2 | 26.8 [7.9]<br>2.2 | 26.5 [7.8]<br>2.4 | 26.4 [7.7]<br>2.4 |
|                                                     | 50<br>[10]    | Total kBtu/h [kW]<br>Power | 30.0 [8.8]<br>2.0 | 29.9 [8.8]<br>2.0 | 29.5 [8.6]<br>2.1 | 29.2 [8.6]<br>2.2 | 29.1 [8.5]<br>2.2 | 28.8 [8.4]<br>2.3 | 28.5 [8.4]<br>2.4 | 28 [8.2]<br>2.5   |

IDB —Indoor air dry bulb

[ ] Designates Metric Conversions

## HEATING PERFORMANCE DATA—RHPBYB036

| IDB                                                 |               | 60°F [15.5°C]              |                   |                    | 70°F [21.1°C]      |                    |                    | 80°F [26.7°C]      |                   |                   |
|-----------------------------------------------------|---------------|----------------------------|-------------------|--------------------|--------------------|--------------------|--------------------|--------------------|-------------------|-------------------|
| CFM [L/s]                                           |               | 1250 [590]                 | 1200 [566]        | 975 [460]          | 1250 [590]         | 1200 [566]         | 975 [460]          | 1250 [590]         | 1200 [566]        | 975 [460]         |
| OUTDOOR<br>DRY<br>BULB<br>TEMPERATURE<br>°F<br>[°C] | 0<br>[-17.8]  | Total kBtu/h [kW]<br>Power | 11.4 [3.3]<br>2.0 | 11.4 [3.3]<br>2.1  | 11.2 [3.3]<br>2.1  | 10.2 [3.0]<br>2.3  | 10.2 [3.0]<br>2.3  | 10.0 [2.9]<br>2.4  | 9.0 [2.6]<br>2.6  | 8.8 [2.6]<br>2.7  |
|                                                     | 5<br>[-15]    | Total kBtu/h [kW]<br>Power | 13.9 [4.1]<br>2.1 | 13.8 [4.0]<br>2.1  | 13.7 [4.0]<br>2.2  | 12.7 [3.7]<br>2.4  | 12.6 [3.7]<br>2.4  | 12.4 [3.6]<br>2.5  | 11.4 [3.3]<br>2.7 | 11.2 [3.3]<br>2.8 |
|                                                     | 10<br>[-12.2] | Total kBtu/h [kW]<br>Power | 16.3 [4.8]<br>2.2 | 16.3 [4.8]<br>2.2  | 16.1 [4.7]<br>2.2  | 15.1 [4.4]<br>2.4  | 15.1 [4.4]<br>2.5  | 14.9 [4.4]<br>2.5  | 13.9 [4.1]<br>2.7 | 13.7 [4.0]<br>2.8 |
|                                                     | 15<br>[-9.4]  | Total kBtu/h [kW]<br>Power | 18.8 [5.5]<br>2.2 | 18.7 [5.5]<br>2.2  | 18.5 [5.4]<br>2.3  | 17.6 [5.2]<br>2.5  | 17.5 [5.1]<br>2.5  | 17.3 [5.1]<br>2.6  | 16.3 [4.8]<br>2.8 | 16.1 [4.7]<br>2.9 |
|                                                     | 20<br>[-6.7]  | Total kBtu/h [kW]<br>Power | 21.3 [6.2]<br>2.3 | 21.2 [6.2]<br>2.3  | 20.9 [6.1]<br>2.3  | 20.0 [5.9]<br>2.5  | 20.0 [5.9]<br>2.6  | 19.7 [5.8]<br>2.6  | 18.8 [5.5]<br>2.8 | 18.5 [5.4]<br>2.9 |
|                                                     | 25<br>[-3.9]  | Total kBtu/h [kW]<br>Power | 23.7 [6.9]<br>2.3 | 23.7 [6.9]<br>2.3  | 23.3 [6.8]<br>2.4  | 22.5 [6.6]<br>2.6  | 22.4 [6.6]<br>2.6  | 22.1 [6.5]<br>2.7  | 21.3 [6.2]<br>2.9 | 20.9 [6.1]<br>3.0 |
|                                                     | 30<br>[-1.1]  | Total kBtu/h [kW]<br>Power | 26.2 [7.7]<br>2.4 | 26.1 [7.6]<br>2.4  | 25.8 [7.6]<br>2.4  | 25.0 [7.3]<br>2.7  | 24.9 [7.3]<br>2.7  | 24.5 [7.2]<br>2.7  | 23.7 [6.9]<br>3.0 | 23.3 [6.8]<br>3.0 |
|                                                     | 35<br>[1.7]   | Total kBtu/h [kW]<br>Power | 28.6 [8.4]<br>2.4 | 28.6 [8.4]<br>2.4  | 28.2 [8.3]<br>2.5  | 27.4 [8.0]<br>2.7  | 27.3 [8.0]<br>2.7  | 2.07 [7.9]<br>2.8  | 26.2 [7.7]<br>3.0 | 26.1 [7.6]<br>3.1 |
|                                                     | 40<br>[4.4]   | Total kBtu/h [kW]<br>Power | 31.1 [9.1]<br>2.5 | 31.0 [9.1]<br>2.5  | 30.6 [9.0]<br>2.5  | 29.9 [8.8]<br>2.8  | 29.8 [8.7]<br>2.8  | 29.4 [8.6]<br>2.8  | 28.6 [8.4]<br>3.1 | 28.6 [8.4]<br>3.1 |
|                                                     | 45<br>[7.2]   | Total kBtu/h [kW]<br>Power | 33.6 [9.8]<br>2.5 | 33.5 [9.8]<br>2.5  | 33.0 [9.7]<br>2.6  | 32.3 [9.5]<br>2.8  | 32.2 [9.4]<br>2.8  | 31.8 [9.3]<br>2.9  | 31.1 [9.1]<br>3.1 | 31.0 [9.1]<br>3.1 |
|                                                     | 50<br>[10]    | Total kBtu/h [kW]<br>Power | 36 [10.6]<br>2.6  | 35.9 [10.5]<br>2.6 | 35.4 [10.4]<br>2.7 | 34.8 [10.2]<br>2.9 | 34.7 [10.2]<br>2.9 | 34.2 [10.0]<br>3.0 | 33.6 [9.8]<br>3.2 | 33.5 [9.8]<br>3.2 |

IDB —Indoor air dry bulb

## HEATING PERFORMANCE DATA—RHPBYB042

| IDB                                                 |               | 60°F [15.5°C]              |                    |                    | 70°F [21.1°C]      |                    |                    | 80°F [26.7°C]      |                    |                    |
|-----------------------------------------------------|---------------|----------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| CFM [L/s]                                           |               | 1475 [696]                 | 1400 [661]         | 1150 [543]         | 1475 [696]         | 1400 [661]         | 1150 [543]         | 1475 [696]         | 1400 [661]         | 1150 [543]         |
| OUTDOOR<br>DRY<br>BULB<br>TEMPERATURE<br>°F<br>[°C] | 0<br>[-17.8]  | Total kBtu/h [kW]<br>Power | 13.9 [4.1]<br>2.7  | 13.9 [4.1]<br>2.7  | 13.7 [4.0]<br>2.7  | 12.9 [3.8]<br>2.9  | 12.9 [3.8]<br>3.0  | 12.7 [3.7]<br>3.0  | 12.0 [3.5]<br>3.3  | 11.8 [3.5]<br>3.4  |
|                                                     | 5<br>[-15]    | Total kBtu/h [kW]<br>Power | 16.7 [4.9]<br>2.7  | 16.7 [4.9]<br>2.7  | 16.4 [4.8]<br>2.8  | 15.7 [4.6]<br>3.0  | 15.7 [4.6]<br>3.0  | 15.5 [4.5]<br>3.1  | 14.8 [4.3]<br>3.4  | 14.5 [4.2]<br>3.5  |
|                                                     | 10<br>[-12.2] | Total kBtu/h [kW]<br>Power | 19.5 [5.7]<br>2.8  | 19.5 [5.7]<br>2.8  | 19.2 [5.6]<br>2.8  | 18.5 [5.4]<br>3.0  | 18.5 [5.4]<br>3.1  | 18.2 [5.3]<br>3.1  | 17.6 [5.2]<br>3.4  | 17.3 [5.1]<br>3.5  |
|                                                     | 15<br>[-9.4]  | Total kBtu/h [kW]<br>Power | 22.3 [6.5]<br>2.8  | 22.3 [6.5]<br>2.8  | 22.0 [6.4]<br>2.9  | 21.4 [6.3]<br>3.1  | 21.3 [6.2]<br>3.1  | 21.0 [6.2]<br>3.2  | 20.4 [6.0]<br>3.5  | 20.3 [5.9]<br>3.6  |
|                                                     | 20<br>[-6.7]  | Total kBtu/h [kW]<br>Power | 25.1 [7.4]<br>2.8  | 25.1 [7.4]<br>2.9  | 24.7 [7.2]<br>2.9  | 24.2 [7.1]<br>3.1  | 24.1 [7.1]<br>3.1  | 23.8 [7.0]<br>3.2  | 23.2 [6.8]<br>3.5  | 23.1 [6.8]<br>3.5  |
|                                                     | 25<br>[-3.9]  | Total kBtu/h [kW]<br>Power | 28.0 [8.2]<br>2.9  | 27.8 [8.1]<br>2.9  | 27.5 [8.1]<br>3.0  | 27.0 [7.9]<br>3.2  | 26.9 [7.9]<br>3.2  | 26.5 [7.8]<br>3.3  | 26.0 [7.6]<br>3.5  | 25.9 [7.6]<br>3.6  |
|                                                     | 30<br>[-1.1]  | Total kBtu/h [kW]<br>Power | 30.8 [9.0]<br>2.9  | 30.6 [9.0]<br>3.0  | 30.3 [8.9]<br>3.0  | 29.8 [8.7]<br>3.2  | 29.7 [8.7]<br>3.2  | 29.3 [8.6]<br>3.3  | 28.8 [8.4]<br>3.6  | 28.7 [8.4]<br>3.6  |
|                                                     | 35<br>[1.7]   | Total kBtu/h [kW]<br>Power | 33.6 [9.8]<br>3.0  | 33.4 [9.8]<br>3.0  | 33.0 [9.7]<br>3.1  | 32.6 [9.6]<br>3.3  | 32.5 [9.5]<br>3.3  | 32.0 [9.4]<br>3.4  | 31.6 [9.3]<br>3.6  | 31.5 [9.2]<br>3.7  |
|                                                     | 40<br>[4.4]   | Total kBtu/h [kW]<br>Power | 36.4 [10.7]<br>3.0 | 36.2 [10.6]<br>3.0 | 35.8 [10.5]<br>3.1 | 35.4 [10.4]<br>3.3 | 35.3 [10.3]<br>3.3 | 34.8 [10.2]<br>3.4 | 34.4 [10.1]<br>3.7 | 34.3 [10.1]<br>3.7 |
|                                                     | 45<br>[7.2]   | Total kBtu/h [kW]<br>Power | 39.2 [11.5]<br>3.1 | 39.0 [11.4]<br>3.1 | 38.5 [11.3]<br>3.2 | 38.2 [11.2]<br>3.3 | 38.1 [11.2]<br>3.4 | 37.6 [11.0]<br>3.4 | 37.2 [10.9]<br>3.7 | 37.1 [10.9]<br>3.7 |
|                                                     | 50<br>[10]    | Total kBtu/h [kW]<br>Power | 42.0 [12.3]<br>3.1 | 41.8 [12.3]<br>3.1 | 41.3 [12.1]<br>3.2 | 41.0 [12.0]<br>3.4 | 40.9 [12.0]<br>3.4 | 40.3 [11.8]<br>3.5 | 40.0 [11.7]<br>3.8 | 39.9 [11.7]<br>3.8 |

IDB —Indoor air dry bulb

[ ] Designates Metric Conversions

## HEATING PERFORMANCE DATA—RHPBYB048

| IDB                                                 |                            |                            | 60°F [15.5°C]      |                    |                    | 70°F [21.1°C]      |                    |                    | 80°F [26.7°C]      |                    |                    |
|-----------------------------------------------------|----------------------------|----------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| CFM [L/s]                                           |                            |                            | 1700 [802]         | 1600 [755]         | 1325 [625]         | 1700 [802]         | 1600 [755]         | 1325 [625]         | 1700 [802]         | 1600 [755]         | 1325 [625]         |
| OUTDOOR<br>DRY<br>BULB<br>TEMPERATURE<br>°F<br>[°C] | 0<br>[-17.8]               | Total kBtu/h [kW]<br>Power | 18.0 [5.3]<br>2.6  | 17.9 [5.2]<br>2.7  | 17.7 [5.2]<br>2.7  | 16.5 [4.8]<br>3.1  | 16.4 [4.8]<br>3.1  | 16.2 [4.7]<br>3.1  | 15.0 [4.4]<br>3.4  | 14.9 [4.4]<br>3.4  | 14.7 [4.3]<br>3.5  |
|                                                     | 5<br>[-15]                 | Total kBtu/h [kW]<br>Power | 21.1 [6.2]<br>2.7  | 21.0 [6.2]<br>2.7  | 20.7 [6.1]<br>2.8  | 19.6 [5.7]<br>3.1  | 19.5 [5.7]<br>3.2  | 19.3 [5.7]<br>3.2  | 18.1 [5.3]<br>3.4  | 18.0 [5.3]<br>3.5  | 17.8 [5.2]<br>3.5  |
|                                                     | 10<br>[-12.2]              | Total kBtu/h [kW]<br>Power | 24.2 [7.1]<br>2.8  | 24.1 [7.1]<br>2.8  | 23.8 [7.0]<br>2.9  | 22.7 [6.7]<br>3.2  | 22.6 [6.6]<br>3.2  | 22.3 [6.5]<br>3.3  | 21.2 [6.2]<br>3.5  | 21.1 [6.2]<br>3.5  | 20.8 [6.1]<br>3.6  |
|                                                     | 15<br>[-9.4]               | Total kBtu/h [kW]<br>Power | 27.3 [8.0]<br>2.9  | 27.1 [7.9]<br>2.9  | 26.8 [7.9]<br>3.0  | 25.8 [7.6]<br>3.3  | 25.7 [7.5]<br>3.3  | 25.3 [7.4]<br>3.4  | 24.3 [7.1]<br>3.6  | 24.2 [7.1]<br>3.6  | 23.9 [7.0]<br>3.7  |
|                                                     | 20<br>[-6.7]               | Total kBtu/h [kW]<br>Power | 30.4 [8.9]<br>2.9  | 30.2 [8.9]<br>3.0  | 29.9 [8.8]<br>3.0  | 28.9 [8.5]<br>3.4  | 28.7 [8.4]<br>3.4  | 28.4 [8.3]<br>3.5  | 27.4 [8.0]<br>3.7  | 27.3 [8.0]<br>3.7  | 26.9 [7.9]<br>3.8  |
|                                                     | 25<br>[-3.9]               | Total kBtu/h [kW]<br>Power | 33.5 [9.8]<br>3.0  | 33.3 [9.8]<br>3.0  | 32.9 [9.6]<br>3.1  | 32.0 [9.4]<br>3.4  | 31.8 [9.3]<br>3.5  | 31.4 [9.2]<br>3.5  | 30.5 [8.9]<br>3.7  | 30.3 [8.9]<br>3.8  | 30.0 [8.8]<br>3.8  |
|                                                     | 30<br>[-1.1]               | Total kBtu/h [kW]<br>Power | 36.5 [10.7]<br>3.1 | 36.4 [10.7]<br>3.1 | 35.9 [10.5]<br>3.2 | 35.1 [10.3]<br>3.5 | 34.9 [10.2]<br>3.5 | 34.5 [10.1]<br>3.6 | 33.6 [9.8]<br>3.8  | 33.4 [9.8]<br>3.8  | 33.0 [9.7]<br>3.9  |
|                                                     | 35<br>[1.7]                | Total kBtu/h [kW]<br>Power | 39.6 [11.6]<br>3.2 | 39.5 [11.6]<br>3.2 | 39.0 [11.4]<br>3.3 | 38.2 [11.2]<br>3.6 | 38.0 [11.1]<br>3.6 | 37.5 [11.0]<br>3.7 | 36.7 [10.8]<br>3.9 | 36.5 [10.7]<br>3.9 | 36.1 [10.6]<br>4.0 |
|                                                     | 40<br>[4.4]                | Total kBtu/h [kW]<br>Power | 42.7 [12.5]<br>3.3 | 42.5 [12.5]<br>3.3 | 42.0 [12.3]<br>3.3 | 41.2 [12.1]<br>3.7 | 41.1 [12.0]<br>3.7 | 40.6 [11.9]<br>3.8 | 39.8 [11.7]<br>4.0 | 39.6 [11.6]<br>4.0 | 39.1 [11.5]<br>4.1 |
|                                                     | 45<br>[7.2]                | Total kBtu/h [kW]<br>Power | 45.8 [13.4]<br>3.3 | 45.6 [13.4]<br>3.4 | 45.1 [13.2]<br>3.4 | 44.3 [13.0]<br>3.7 | 44.1 [12.9]<br>3.8 | 43.6 [12.8]<br>3.9 | 42.9 [12.6]<br>4.0 | 42.7 [12.5]<br>4.1 | 42.1 [12.3]<br>4.2 |
| 50<br>[10]                                          | Total kBtu/h [kW]<br>Power | 48.9 [14.3]<br>3.4         | 48.7 [14.3]<br>3.4 | 48.1 [14.1]<br>3.5 | 47.4 [13.9]<br>3.8 | 47.2 [13.8]<br>3.9 | 46.7 [13.7]<br>3.9 | 46.0 [13.5]<br>4.1 | 45.7 [13.4]<br>4.2 | 45.2 [13.2]<br>4.2 |                    |

IDB —Indoor air dry bulb

## HEATING PERFORMANCE DATA—RHPBYB060

| IDB                                                 |                            |                            | 60°F [15.5°C]      |                    |                    | 70°F [21.1°C]      |                    |                    | 80°F [26.7°C]      |                    |                    |
|-----------------------------------------------------|----------------------------|----------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| CFM [L/s]                                           |                            |                            | 2125 [1003]        | 1900 [897]         | 1650 [779]         | 2125 [1003]        | 1900 [897]         | 1650 [779]         | 2125 [1003]        | 1900 [897]         | 1650 [779]         |
| OUTDOOR<br>DRY<br>BULB<br>TEMPERATURE<br>°F<br>[°C] | 0<br>[-17.8]               | Total kBtu/h [kW]<br>Power | 20.0 [5.9]<br>3.4  | 19.8 [5.8]<br>3.4  | 19.6 [5.7]<br>3.5  | 17.9 [5.2]<br>3.8  | 17.7 [5.2]<br>3.8  | 17.6 [5.2]<br>3.9  | 15.8 [4.6]<br>4.3  | 15.6 [4.6]<br>4.4  | 15.5 [4.5]<br>4.4  |
|                                                     | 5<br>[-15]                 | Total kBtu/h [kW]<br>Power | 24.2 [7.1]<br>3.5  | 23.9 [7.0]<br>3.5  | 23.7 [6.9]<br>3.6  | 22.0 [6.4]<br>3.9  | 21.9 [6.4]<br>3.9  | 21.6 [6.3]<br>4.0  | 19.9 [5.8]<br>4.4  | 19.8 [5.8]<br>4.5  | 19.6 [5.7]<br>4.5  |
|                                                     | 10<br>[-12.2]              | Total kBtu/h [kW]<br>Power | 28.3 [8.3]<br>3.6  | 28.1 [8.2]<br>3.6  | 27.8 [8.1]<br>3.7  | 26.2 [7.7]<br>4.0  | 26.0 [7.6]<br>4.0  | 25.7 [7.5]<br>4.1  | 24.1 [7.1]<br>4.5  | 23.9 [7.0]<br>4.6  | 23.6 [6.9]<br>4.7  |
|                                                     | 15<br>[-9.4]               | Total kBtu/h [kW]<br>Power | 32.5 [9.5]<br>3.7  | 32.2 [9.4]<br>3.7  | 31.9 [9.3]<br>3.8  | 30.3 [8.9]<br>4.1  | 30.1 [8.8]<br>4.1  | 29.8 [8.7]<br>4.2  | 28.2 [8.3]<br>4.6  | 28.0 [8.2]<br>4.7  | 27.7 [8.1]<br>4.8  |
|                                                     | 20<br>[-6.7]               | Total kBtu/h [kW]<br>Power | 36.6 [10.7]<br>3.8 | 36.3 [10.6]<br>3.8 | 36.0 [10.6]<br>3.9 | 34.5 [10.1]<br>4.2 | 34.2 [10.0]<br>4.2 | 33.9 [9.9]<br>4.3  | 32.4 [9.5]<br>4.7  | 32.1 [9.4]<br>4.8  | 31.8 [9.3]<br>4.9  |
|                                                     | 25<br>[-3.9]               | Total kBtu/h [kW]<br>Power | 40.8 [12.0]<br>3.9 | 40.4 [11.8]<br>3.9 | 40.0 [11.7]<br>4.0 | 38.6 [11.3]<br>4.3 | 38.3 [11.2]<br>4.4 | 38.0 [11.1]<br>4.4 | 36.5 [10.7]<br>4.8 | 36.2 [10.6]<br>4.9 | 35.9 [10.5]<br>5.0 |
|                                                     | 30<br>[-1.1]               | Total kBtu/h [kW]<br>Power | 44.9 [13.2]<br>4.0 | 44.5 [13.0]<br>4.0 | 44.1 [12.9]<br>4.1 | 42.8 [12.5]<br>4.4 | 42.4 [12.4]<br>4.5 | 42.0 [12.3]<br>4.5 | 40.7 [11.9]<br>4.9 | 40.3 [11.8]<br>5.0 | 40.0 [11.7]<br>5.1 |
|                                                     | 35<br>[1.7]                | Total kBtu/h [kW]<br>Power | 49.1 [14.4]<br>4.1 | 48.7 [14.3]<br>4.1 | 48.2 [14.1]<br>4.2 | 46.9 [13.7]<br>4.5 | 46.6 [13.7]<br>4.6 | 46.1 [13.5]<br>4.6 | 44.8 [13.1]<br>5.0 | 44.5 [13.0]<br>5.1 | 44.0 [12.9]<br>5.2 |
|                                                     | 40<br>[4.4]                | Total kBtu/h [kW]<br>Power | 53.2 [15.6]<br>4.2 | 52.8 [15.5]<br>4.2 | 52.3 [15.3]<br>4.3 | 51.1 [15.0]<br>4.6 | 50.7 [14.9]<br>4.7 | 50.2 [14.7]<br>4.7 | 49.0 [14.4]<br>5.1 | 48.6 [14.2]<br>5.2 | 48.1 [14.1]<br>5.3 |
|                                                     | 45<br>[7.2]                | Total kBtu/h [kW]<br>Power | 57.4 [16.8]<br>4.3 | 56.9 [16.7]<br>4.3 | 56.4 [16.5]<br>4.4 | 55.3 [16.2]<br>4.7 | 54.8 [16.1]<br>4.8 | 54.3 [15.9]<br>4.8 | 53.1 [15.6]<br>5.2 | 52.7 [15.4]<br>5.3 | 52.2 [15.3]<br>5.4 |
| 50<br>[10]                                          | Total kBtu/h [kW]<br>Power | 61.5 [18.0]<br>4.4         | 61.0 [17.9]<br>4.4 | 60.4 [17.7]<br>4.5 | 59.4 [17.4]<br>4.8 | 58.9 [17.3]<br>4.9 | 58.4 [17.1]<br>5.0 | 57.3 [16.8]<br>5.3 | 56.8 [16.6]<br>5.4 | 56.3 [16.5]<br>5.5 |                    |

IDB —Indoor air dry bulb

[ ] Designates Metric Conversions

INDOOR AIRFLOW PERFORMANCE — RHPBYB — 208/230V

| Nominal Cooling Capacity<br>Tons [kW] | Motor Speed from Factory |       | Manufacturer Recommended Cooling Airflow<br>(Min/Max)<br>[Tap 2 Only] | Blower Size, Motor HP [W] & # of Speeds                     | Motor Speed/Tap                           | External Static Pressure - Inches W.C. [kPa]<br>(Side Discharge-Dry Coil) |           |           |           |           |           |           |           |           |           |
|---------------------------------------|--------------------------|-------|-----------------------------------------------------------------------|-------------------------------------------------------------|-------------------------------------------|---------------------------------------------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
|                                       | Cool                     | Heat  |                                                                       |                                                             |                                           | 0.1 [.02]                                                                 | 0.2 [.05] | 0.3 [.07] | 0.4 [.10] | 0.5 [.12] | 0.6 [.15] | 0.7 [.17] | 0.8 [.20] | 0.9 [.22] | 1.0 [.25] |
| 2.0<br>[7.03]                         | Tap 2                    | Tap 1 | 700 CFM/<br>900 CFM                                                   | 10X9 Blower<br>1/2 HP [372]<br>2 Speed<br>(Constant Torque) | Tap 1 - Low<br>Electric Heat/<br>Fan-Only | CFM                                                                       | 882       | 818       | 759       | 650       | 577       | 512       | 433       | 368       | 304       |
|                                       |                          |       |                                                                       |                                                             |                                           | RPM                                                                       | 457       | 533       | 600       | 693       | 750       | 818       | 876       | 931       | 972       |
|                                       |                          |       |                                                                       |                                                             |                                           | Watts                                                                     | 63        | 71        | 78        | 89        | 94        | 102       | 109       | 115       | 120       |
| 2.5<br>[2.79]                         | Tap 2                    | Tap 1 | 875 CFM/<br>1125 CFM                                                  | 10X9 Blower<br>1/2 HP [372]<br>2 Speed<br>(Constant Torque) | Tap 2 - High *                            | CFM                                                                       | —         | —         | —         | —         | 920       | 859       | 830       | 780       | 728       |
|                                       |                          |       |                                                                       |                                                             |                                           | RPM                                                                       | —         | —         | —         | —         | 864       | 909       | 946       | 996       | 1040      |
|                                       |                          |       |                                                                       |                                                             |                                           | Watts                                                                     | —         | —         | —         | —         | 181       | 189       | 196       | 205       | 213       |
| 3.0<br>[10.55]                        | Tap 2                    | Tap 1 | 1050 CFM/<br>1350 CFM                                                 | 12X9 Blower<br>3/4 HP [559]<br>2 Speed<br>(Constant Torque) | Tap 1 - Low<br>Electric Heat/<br>Fan-Only | CFM                                                                       | 1143      | 1088      | 1043      | 989       | 878       | 836       | 798       | 750       | 706       |
|                                       |                          |       |                                                                       |                                                             |                                           | RPM                                                                       | 519       | 591       | 657       | 721       | 818       | 857       | 898       | 952       | 998       |
|                                       |                          |       |                                                                       |                                                             |                                           | Watts                                                                     | 107       | 119       | 129       | 140       | 156       | 162       | 169       | 178       | 186       |
| 3.5<br>[12.31]                        | Tap 2                    | Tap 1 | 1225 CFM/<br>1575 CFM                                                 | 12X9 Blower<br>3/4 HP [559]<br>2 Speed<br>(Constant Torque) | Tap 2 - High *                            | CFM                                                                       | —         | —         | —         | 1224      | 1182      | 1122      | 1028      | 989       | 957       |
|                                       |                          |       |                                                                       |                                                             |                                           | RPM                                                                       | —         | —         | —         | 749       | 806       | 871       | 954       | 990       | 1026      |
|                                       |                          |       |                                                                       |                                                             |                                           | Watts                                                                     | —         | —         | —         | 199       | 211       | 226       | 244       | 252       | 260       |
| 4.0<br>[14.07]                        | Tap 2                    | Tap 1 | 1400 CFM/<br>1800 CFM                                                 | 12X9 Blower<br>1 HP [746]<br>2 Speed<br>(Constant Torque)   | Tap 1 - Low<br>Electric Heat/<br>Fan-Only | CFM                                                                       | 1287      | 1212      | 1136      | 1080      | 1011      | 945       | 882       | 826       | 776       |
|                                       |                          |       |                                                                       |                                                             |                                           | RPM                                                                       | 451       | 504       | 572       | 623       | 681       | 733       | 775       | 838       | 877       |
|                                       |                          |       |                                                                       |                                                             |                                           | Watts                                                                     | 121       | 135       | 151       | 162       | 174       | 185       | 193       | 209       | 219       |
| 5.0<br>[17.59]                        | Tap 2                    | Tap 1 | 1750 CFM/<br>2250 CFM                                                 | 12X9 Blower<br>1 HP [746]<br>2 Speed<br>(Constant Torque)   | Tap 2 - High *                            | CFM                                                                       | —         | —         | —         | 1454      | 1387      | 1286      | 1233      | 1186      | 1139      |
|                                       |                          |       |                                                                       |                                                             |                                           | RPM                                                                       | —         | —         | —         | 612       | 673       | 715       | 808       | 852       | 889       |
|                                       |                          |       |                                                                       |                                                             |                                           | Watts                                                                     | —         | —         | —         | 235       | 254       | 268       | 298       | 313       | 324       |
|                                       |                          |       |                                                                       |                                                             | Tap 1 - Low<br>Electric Heat/<br>Fan-Only | CFM                                                                       | 1592      | 1526      | 1479      | 1426      | 1361      | 1307      | 1250      | 1202      | 1147      |
|                                       |                          |       |                                                                       |                                                             |                                           | RPM                                                                       | 514       | 561       | 598       | 640       | 693       | 744       | 798       | 835       | 873       |
|                                       |                          |       |                                                                       |                                                             |                                           | Watts                                                                     | 197       | 212       | 223       | 236       | 253       | 269       | 286       | 297       | 309       |
|                                       |                          |       |                                                                       |                                                             | Tap 2 - High *                            | CFM                                                                       | —         | —         | —         | 1603      | 1543      | 1495      | 1446      | 1362      | 1328      |
|                                       |                          |       |                                                                       |                                                             |                                           | RPM                                                                       | —         | —         | —         | 633       | 675       | 718       | 805       | 876       | 905       |
|                                       |                          |       |                                                                       |                                                             |                                           | Watts                                                                     | —         | —         | —         | 284       | 299       | 315       | 346       | 372       | 384       |
|                                       |                          |       |                                                                       |                                                             | Tap 1 - Low<br>Electric Heat/<br>Fan-Only | CFM                                                                       | 1871      | 1818      | 1766      | 1720      | 1673      | 1614      | 1573      | 1535      | 1498      |
|                                       |                          |       |                                                                       |                                                             |                                           | RPM                                                                       | 591       | 613       | 657       | 702       | 742       | 787       | 826       | 859       | 896       |
|                                       |                          |       |                                                                       |                                                             |                                           | Watts                                                                     | 309       | 313       | 330       | 348       | 365       | 383       | 400       | 413       | 429       |
|                                       |                          |       |                                                                       |                                                             | Tap 2 - High *                            | CFM                                                                       | 1871      | 1818      | 1766      | 1720      | 1673      | 1614      | 1573      | 1535      | 1498      |
|                                       |                          |       |                                                                       |                                                             |                                           | RPM                                                                       | 591       | 613       | 657       | 702       | 742       | 787       | 826       | 859       | 896       |
|                                       |                          |       |                                                                       |                                                             |                                           | Watts                                                                     | 309       | 313       | 330       | 348       | 365       | 383       | 400       | 413       | 429       |
|                                       |                          |       |                                                                       |                                                             | Tap 1 - Low<br>Electric Heat/<br>Fan-Only | CFM                                                                       | 1704      | 1574      | 1467      | 1422      | 1371      | 1326      | 1265      | 1225      | 1181      |
|                                       |                          |       |                                                                       |                                                             |                                           | RPM                                                                       | 586       | 589       | 617       | 659       | 710       | 758       | 809       | 847       | 883       |
|                                       |                          |       |                                                                       |                                                             |                                           | Watts                                                                     | 255       | 224       | 221       | 232       | 247       | 260       | 276       | 288       | 300       |
|                                       |                          |       |                                                                       |                                                             | Tap 2 - High *                            | CFM                                                                       | 2189      | 2170      | 2144      | 2114      | 2083      | 2048      | 2014      | 1978      | 1947      |
|                                       |                          |       |                                                                       |                                                             |                                           | RPM                                                                       | 722       | 740       | 757       | 779       | 809       | 844       | 874       | 906       | 941       |
|                                       |                          |       |                                                                       |                                                             |                                           | Watts                                                                     | 522       | 532       | 540       | 553       | 569       | 589       | 608       | 626       | 647       |

NOTES: (1) \* Use motor tap 2 to achieve rated airflow at AHRI minimum external static pressure.

| DOWN DISCHARGE PRESSURE DROP (ADD TO EXTERNAL STATIC PRESSURE) |            |            |            |            |            |
|----------------------------------------------------------------|------------|------------|------------|------------|------------|
| CFM [L/s]                                                      | 800 [378]  | 1000 [472] | 1200 [566] | 1400 [661] | 1600 [755] |
| Pressure Drop—Includes W.C. [kPa]                              | .02 [.005] | .05 [.012] | .07 [.017] | .1 [.025]  | .12 [.030] |
|                                                                |            |            |            | .15 [.037] | .17 [.042] |

[ ] Designates Metric Conversions

| ELECTRICAL DATA - RHPBYB SERIES |                                |         |         |         |         |         |         |
|---------------------------------|--------------------------------|---------|---------|---------|---------|---------|---------|
|                                 |                                | 024AJT  | 030ACT  | 030AJT  | 036ACT  | 036AJT  | 042ACT  |
| Unit Information                | Unit Operating Voltage Range   | 187-253 | 187-253 | 187-253 | 187-253 | 187-253 | 187-253 |
|                                 | Volts                          | 208/230 | 208/230 | 208/230 | 208/230 | 208/230 | 208/230 |
|                                 | Phase                          | 1       | 3       | 1       | 3       | 1       | 3       |
|                                 | Hz                             | 60      | 60      | 60      | 60      | 60      | 60      |
|                                 | Minimum Circuit Ampacity       | 20      | 18      | 22      | 23      | 29      | 25      |
|                                 | Minimum Overcurrent Protection | 25      | 20      | 25      | 30      | 35      | 30      |
|                                 | Maximum Overcurrent Protection | 30      | 25      | 30      | 30      | 45      | 35      |
| Compressor Motor                | No.                            | 1       | 1       | 1       | 1       | 1       | 1       |
|                                 | Volts                          | 208/230 | 208/230 | 208/230 | 208/230 | 208/230 | 208/230 |
|                                 | Phase                          | 1       | 3       | 1       | 3       | 1       | 3       |
|                                 | Amps (RLA), Comp. 1            | 12.7    | 9.6     | 12.7    | 12.2    | 16.7    | 14.9    |
|                                 | Amps (LRA), Comp. 1            | 64.4    | 67.7    | 75.6    | 97.5    | 93.5    | 90      |
|                                 | Amps (RLA), Comp. 2            | N/A     | N/A     | N/A     | N/A     | N/A     | N/A     |
|                                 | Amps (LRA), Comp. 2            | N/A     | N/A     | N/A     | N/A     | N/A     | N/A     |
| Condenser Motor                 | No.                            | 1       | 1       | 1       | 1       | 1       | 1       |
|                                 | Volts                          | 208/230 | 208/230 | 208/230 | 208/230 | 208/230 | 208/230 |
|                                 | Phase                          | 1       | 1       | 1       | 1       | 1       | 1       |
|                                 | HP                             | 1/3     | 1/3     | 1/3     | 1/3     | 1/3     | 1/2     |
|                                 | Amps (FLA, each)               | 1.5     | 1.5     | 1.5     | 1.5     | 1.5     | 2.3     |
|                                 | Amps (LRA, each)               | 3       | 3       | 3       | 3       | 3       | 5.5     |
|                                 |                                |         |         |         |         |         |         |
| Evaporator Fan                  | No.                            | 1       | 1       | 1       | 1       | 1       | 1       |
|                                 | Volts                          | 208/230 | 208/230 | 208/230 | 208/230 | 208/230 | 208/230 |
|                                 | Phase                          | 1       | 3       | 1       | 3       | 1       | 3       |
|                                 | HP                             | 1/2     | 1/2     | 1/2     | 3/4     | 3/4     | 3/4     |
|                                 | Amps (FLA, each)               | 4.1     | 4.1     | 4.1     | 6       | 6       | 6       |
|                                 | Amps (LRA, each)               | 0       | 0       | 0       | 0       | 0       | 0       |
|                                 |                                |         |         |         |         |         |         |

| ELECTRICAL DATA - RHPBYB SERIES |                                |         |         |         |         |         |
|---------------------------------|--------------------------------|---------|---------|---------|---------|---------|
|                                 |                                | 042AJT  | 048ACT  | 048AJT  | 060ACT  | 060AJT  |
| Unit Information                | Unit Operating Voltage Range   | 187-253 | 187-253 | 187-253 | 187-253 | 187-253 |
|                                 | Volts                          | 208/230 | 208/230 | 208/230 | 208/230 | 208/230 |
|                                 | Phase                          | 1       | 3       | 1       | 3       | 1       |
|                                 | Hz                             | 60      | 60      | 60      | 60      | 60      |
|                                 | Minimum Circuit Ampacity       | 30      | 25      | 37      | 30      | 40      |
|                                 | Minimum Overcurrent Protection | 35      | 30      | 45      | 35      | 50      |
|                                 | Maximum Overcurrent Protection | 45      | 35      | 50      | 45      | 60      |
| Compressor Motor                | No.                            | 1       | 1       | 1       | 1       | 1       |
|                                 | Volts                          | 208/230 | 208/230 | 208/230 | 208/230 | 208/230 |
|                                 | Phase                          | 1       | 3       | 1       | 3       | 1       |
|                                 | Amps (RLA), Comp. 1            | 15.8    | 12.8    | 22.4    | 20.4    | 22.6    |
|                                 | Amps (LRA), Comp. 1            | 96      | 120.4   | 126     | 93      | 148     |
|                                 | Amps (RLA), Comp. 2            | N/A     | N/A     | N/A     | N/A     | N/A     |
|                                 | Amps (LRA), Comp. 2            | N/A     | N/A     | N/A     | N/A     | N/A     |
| Condenser Motor                 | No.                            | 1       | 1       | 1       | 1       | 1       |
|                                 | Volts                          | 208/230 | 208/230 | 208/230 | 208/230 | 208/230 |
|                                 | Phase                          | 1       | 1       | 1       | 1       | 1       |
|                                 | HP                             | 1/2     | 1/2     | 1/2     | 1/2     | 1/2     |
|                                 | Amps (FLA, each)               | 2.3     | 2.3     | 2.3     | 2.3     | 2.3     |
|                                 | Amps (LRA, each)               | 5.5     | 5.5     | 5.5     | 5.5     | 5.5     |
|                                 |                                |         |         |         |         |         |
| Evaporator Fan                  | No.                            | 1       | 1       | 1       | 1       | 1       |
|                                 | Volts                          | 208/230 | 208/230 | 208/230 | 208/230 | 208/230 |
|                                 | Phase                          | 1       | 3       | 1       | 3       | 1       |
|                                 | HP                             | 3/4     | 3/4     | 3/4     | 1       | 1       |
|                                 | Amps (FLA, each)               | 6       | 6       | 6       | 7.6     | 7.6     |
|                                 | Amps (LRA, each)               | 0       | 0       | 0       | 0       | 0       |
|                                 |                                |         |         |         |         |         |

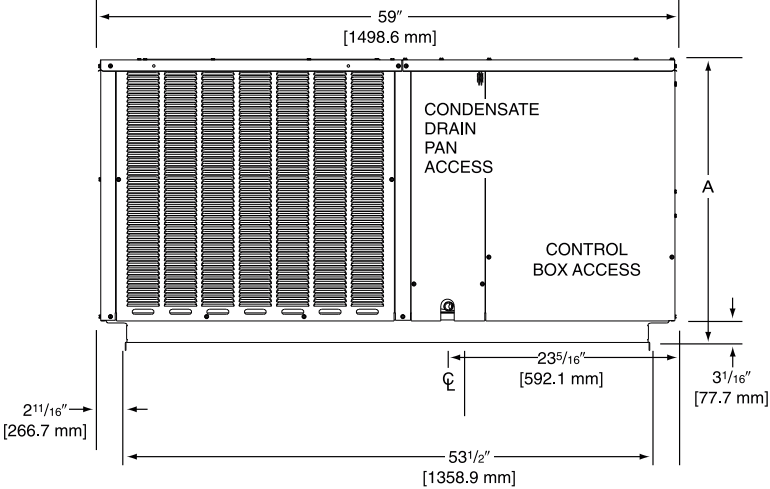
| 208/230 VOLT, SINGLE PHASE, 60 Hz, AUXILIARY ELECTRIC HEATER KITS CHARACTERISTICS AND APPLICATION |                            |                                 |                            |                             |                                         |                               |                         |                                    |                                |                                       |                               |                         |                                    |                                |
|---------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|----------------------------|-----------------------------|-----------------------------------------|-------------------------------|-------------------------|------------------------------------|--------------------------------|---------------------------------------|-------------------------------|-------------------------|------------------------------------|--------------------------------|
| Separate Power Supply for Both Unit and Heater Kit                                                |                            |                                 |                            |                             |                                         |                               |                         |                                    |                                |                                       |                               |                         |                                    |                                |
| Single Power Supply for Both Unit and Heater Kit                                                  |                            |                                 |                            |                             |                                         |                               |                         |                                    |                                |                                       |                               |                         |                                    |                                |
| Model Number                                                                                      | Heater Kit                 |                                 |                            |                             |                                         | Air Conditioner               |                         |                                    |                                |                                       | Heater Kit                    |                         |                                    |                                |
|                                                                                                   | RXJU-Heater Kit Nominal kW | Rated Heater kW @ Rated Voltage | Heater MBH @ Rated Voltage | Heater Amp. @ Rated Voltage | Unit Min. Ckt. Ampacity @ Rated Voltage | Overcurrent Protective Device |                         | Min. Ckt. Ampacity @ Rated Voltage | Max. Fuse Size @ Rated Voltage | Min. Circuit Ampacity @ Rated Voltage | Overcurrent Protective Device |                         | Min. Ckt. Ampacity @ Rated Voltage | Max. Fuse Size @ Rated Voltage |
|                                                                                                   |                            |                                 |                            |                             |                                         | Min./Max. @ Min Voltage       | Min./Max. @ Max Voltage |                                    |                                |                                       | Min./Max. @ Min Voltage       | Min./Max. @ Max Voltage |                                    |                                |
| RHPBYB024AJT                                                                                      | NONE*                      | —/—                             | —/—                        | —/—                         | 20/20                                   | 25/30                         | 25/30                   | —                                  | —                              | 20/20                                 | 25/30                         | 25/30                   | —                                  | —                              |
|                                                                                                   | C05J                       | 3.6/4.8                         | 12.28/16.38                | 17.3/20.0                   | 42/45                                   | 45/45                         | 45/50                   | 22/25                              | 25/25                          | 20/20                                 | 25/30                         | 25/30                   | 25/30                              | 25/30                          |
|                                                                                                   | C07J                       | 5.4/7.2                         | 18.42/24.56                | 26.0/30.0                   | 53/58                                   | 60/60                         | 60/60                   | 33/38                              | 35/40                          | 20/20                                 | 25/30                         | 25/30                   | 25/30                              | 25/30                          |
|                                                                                                   | C10J                       | 7.2/9.6                         | 24.56/32.75                | 34.6/40.0                   | 64/70                                   | 70/70                         | 70/70                   | 44/50                              | 45/50                          | 20/20                                 | 25/30                         | 25/30                   | 25/30                              | 25/30                          |
| RHPBYB030AJT                                                                                      | NONE*                      | —/—                             | —/—                        | —/—                         | 22/22                                   | 25/30                         | 25/30                   | —                                  | —                              | 22/22                                 | 25/30                         | 25/30                   | —                                  | —                              |
|                                                                                                   | C05J                       | 3.6/4.8                         | 12.28/16.38                | 17.3/20.0                   | 44/47                                   | 45/50                         | 50/50                   | 22/25                              | 25/25                          | 22/22                                 | 25/30                         | 25/30                   | 25/30                              | 25/30                          |
|                                                                                                   | C07J                       | 5.4/7.2                         | 18.42/24.56                | 26.0/30.0                   | 54/59                                   | 60/60                         | 60/60                   | 33/38                              | 35/40                          | 22/22                                 | 25/30                         | 25/30                   | 25/30                              | 25/30                          |
|                                                                                                   | C10J                       | 7.2/9.6                         | 24.56/32.75                | 34.6/40.0                   | 65/72                                   | 70/70                         | 80/80                   | 44/50                              | 45/50                          | 22/22                                 | 25/30                         | 25/30                   | 25/30                              | 25/30                          |
| RHPBYB036AJT                                                                                      | C15J                       | 10.8/14.4                       | 36.84/49.13                | 51.9/60.0                   | 87/97                                   | 90/90                         | 100/100                 | 65/75                              | 70/80                          | 22/22                                 | 25/30                         | 25/30                   | 25/30                              | 25/30                          |
|                                                                                                   | NONE*                      | —/—                             | —/—                        | —/—                         | 29/29                                   | 35/45                         | 35/45                   | —                                  | —                              | 29/29                                 | 35/45                         | 35/45                   | 35/45                              | 35/45                          |
|                                                                                                   | C05J                       | 3.6/4.8                         | 12.28/16.38                | 17.3/20.0                   | 50/54                                   | 50/60                         | 60/60                   | 22/25                              | 25/25                          | 29/29                                 | 35/45                         | 35/45                   | 35/45                              | 35/45                          |
|                                                                                                   | C07J                       | 5.4/7.2                         | 18.42/24.56                | 26.0/30.0                   | 61/66                                   | 70/70                         | 70/70                   | 33/38                              | 35/40                          | 29/29                                 | 35/45                         | 35/45                   | 35/45                              | 35/45                          |
| RHPBYB042AJT                                                                                      | C10J                       | 7.2/9.6                         | 24.56/32.75                | 34.6/40.0                   | 72/79                                   | 80/80                         | 80/80                   | 44/50                              | 45/50                          | 29/29                                 | 35/45                         | 35/45                   | 35/45                              | 35/45                          |
|                                                                                                   | C15J                       | 10.8/14.4                       | 36.84/49.13                | 51.9/60.0                   | 94/104                                  | 100/100                       | 110/110                 | 65/75                              | 70/80                          | 29/29                                 | 35/45                         | 35/45                   | 35/45                              | 35/45                          |
|                                                                                                   | NONE*                      | —/—                             | —/—                        | —/—                         | 30/30                                   | 35/45                         | 35/45                   | —                                  | —                              | 30/30                                 | 35/45                         | 35/45                   | 35/45                              | 35/45                          |
|                                                                                                   | C05J                       | 3.6/4.8                         | 12.28/16.38                | 17.3/20.0                   | 52/55                                   | 60/60                         | 60/60                   | 22/25                              | 25/25                          | 30/30                                 | 35/45                         | 35/45                   | 35/45                              | 35/45                          |
| RHPBYB048AJT                                                                                      | C07J                       | 5.4/7.2                         | 18.42/24.56                | 26.0/30.0                   | 63/68                                   | 70/70                         | 70/70                   | 33/38                              | 35/40                          | 30/30                                 | 35/45                         | 35/45                   | 35/45                              | 35/45                          |
|                                                                                                   | C10J                       | 7.2/9.6                         | 24.56/32.75                | 34.6/40.0                   | 74/80                                   | 80/80                         | 80/80                   | 44/50                              | 45/50                          | 30/30                                 | 35/45                         | 35/45                   | 35/45                              | 35/45                          |
|                                                                                                   | C15J                       | 10.8/14.4                       | 36.84/49.13                | 51.9/60.0                   | 95/105                                  | 100/100                       | 110/110                 | 65/75                              | 70/80                          | 30/30                                 | 35/45                         | 35/45                   | 35/45                              | 35/45                          |
|                                                                                                   | C20J                       | 14.4/19.2                       | 49.13/65.50                | 69.3/80.0                   | 117/130                                 | 125/125                       | 150/150                 | 87/100                             | 90/100                         | 30/30                                 | 35/45                         | 35/45                   | 35/45                              | 35/45                          |
| RHPBYB060AJT                                                                                      | NONE*                      | —/—                             | —/—                        | —/—                         | 37/37                                   | 45/50                         | 45/50                   | —                                  | —                              | 37/37                                 | 45/50                         | 45/50                   | 45/50                              | 45/50                          |
|                                                                                                   | C05J                       | 3.6/4.8                         | 12.28/16.38                | 17.3/20.0                   | 58/62                                   | 60/70                         | 70/70                   | 22/25                              | 25/25                          | 37/37                                 | 45/50                         | 45/50                   | 45/50                              | 45/50                          |
|                                                                                                   | C07J                       | 5.4/7.2                         | 18.42/24.56                | 26.0/30.0                   | 69/74                                   | 70/80                         | 80/80                   | 33/38                              | 35/40                          | 37/37                                 | 45/50                         | 45/50                   | 45/50                              | 45/50                          |
|                                                                                                   | C10J                       | 7.2/9.6                         | 24.56/32.75                | 34.6/40.0                   | 80/87                                   | 80/90                         | 90/90                   | 44/50                              | 45/50                          | 37/37                                 | 45/50                         | 45/50                   | 45/50                              | 45/50                          |
| RHPBYB060AJT                                                                                      | C15J                       | 10.8/14.4                       | 36.84/49.13                | 51.9/60.0                   | 102/112                                 | 110/110                       | 125/125                 | 65/75                              | 70/80                          | 37/37                                 | 45/50                         | 45/50                   | 45/50                              | 45/50                          |
|                                                                                                   | C20C                       | 25.0/33.2                       | 85.29/113.26               | 69.3/79.9                   | 123/137                                 | 125/125                       | 150/150                 | 87/100                             | 90/100                         | 37/37                                 | 45/50                         | 45/50                   | 45/50                              | 45/50                          |
|                                                                                                   | NONE*                      | —/—                             | —/—                        | —/—                         | 40/40                                   | 50/60                         | 50/60                   | —                                  | —                              | 40/40                                 | 50/60                         | 50/60                   | 50/60                              | 50/60                          |
|                                                                                                   | C05J                       | 3.6/4.8                         | 12.28/16.38                | 17.3/20.0                   | 62/65                                   | 70/80                         | 70/80                   | 22/25                              | 25/25                          | 40/40                                 | 50/60                         | 50/60                   | 50/60                              | 50/60                          |
| RHPBYB060AJT                                                                                      | C07J                       | 5.4/7.2                         | 18.42/24.56                | 26.0/30.0                   | 73/78                                   | 80/80                         | 80/90                   | 33/38                              | 35/40                          | 40/40                                 | 50/60                         | 50/60                   | 50/60                              | 50/60                          |
|                                                                                                   | C10J                       | 7.2/9.6                         | 24.56/32.75                | 34.6/40.0                   | 83/90                                   | 90/90                         | 90/100                  | 44/50                              | 45/50                          | 40/40                                 | 50/60                         | 50/60                   | 50/60                              | 50/60                          |
|                                                                                                   | C15J                       | 10.8/14.4                       | 36.84/49.13                | 51.9/60.0                   | 105/115                                 | 110/110                       | 125/125                 | 65/75                              | 70/80                          | 40/40                                 | 50/60                         | 50/60                   | 50/60                              | 50/60                          |
|                                                                                                   | C20J                       | 14.4/19.2                       | 49.13/65.50                | 69.3/80.0                   | 127/140                                 | 150/150                       | 150/150                 | 87/100                             | 90/100                         | 40/40                                 | 50/60                         | 50/60                   | 50/60                              | 50/60                          |

| 208/230 VOLT, THREE PHASE, 60 Hz, AUXILIARY ELECTRIC HEATER KITS CHARACTERISTICS AND APPLICATION |                                  |                                       |                                  |                                   |                                                  |                                                    |                            |                                          |                                      |                                             |                                  |                            |
|--------------------------------------------------------------------------------------------------|----------------------------------|---------------------------------------|----------------------------------|-----------------------------------|--------------------------------------------------|----------------------------------------------------|----------------------------|------------------------------------------|--------------------------------------|---------------------------------------------|----------------------------------|----------------------------|
| Single Power Supply for Both Unit and Heater Kit                                                 |                                  |                                       |                                  |                                   |                                                  | Separate Power Supply for Both Unit and Heater Kit |                            |                                          |                                      |                                             |                                  |                            |
| Model Number                                                                                     | Heater Kit                       |                                       |                                  | Air Conditioner                   |                                                  |                                                    | Heater Kit                 |                                          | Air Conditioner                      |                                             |                                  |                            |
|                                                                                                  | RXJ—<br>Heater Kit<br>Nominal kW | Rated Heater<br>kW @ Rated<br>Voltage | Heater MBH<br>@ Rated<br>Voltage | Heater Amp.<br>@ Rated<br>Voltage | Unit Min. Ckt.<br>Ampacity<br>@ Rated<br>Voltage | Overcurrent Protective<br>Device                   |                            | Min. Ckt.<br>Ampacity @<br>Rated Voltage | Max. Fuse Size<br>@<br>Rated Voltage | Min. Circuit<br>Ampacity @<br>Rated Voltage | Overcurrent Protective<br>Device |                            |
|                                                                                                  |                                  |                                       |                                  |                                   |                                                  | Min./Max.<br>@ Min Voltage                         | Min./Max.<br>@ Max Voltage |                                          |                                      |                                             | Min./Max.<br>@ Min Voltage       | Min./Max.<br>@ Max Voltage |
| RHPBYB030ACT                                                                                     | NONE*                            | —/—                                   | —/—                              | —/—                               | 18/18                                            | 20/25                                              | 20/25                      | —                                        | —                                    | 18/18                                       | 20/25                            | 20/25                      |
|                                                                                                  | C10C                             | 12.5/16.6                             | 42.64/56.63                      | 34.6/40.0                         | 61/68                                            | 70/70                                              | 70/70                      | 44/50                                    | 45/50                                | 18/18                                       | 20/25                            | 20/25                      |
|                                                                                                  | C15C                             | 18.7/24.9                             | 63.80/84.95                      | 52.0/60.0                         | 83/93                                            | 90/90                                              | 100/100                    | 65/75                                    | 70/80                                | 18/18                                       | 20/25                            | 20/25                      |
| RHPBYB036ACT                                                                                     | NONE*                            | —/—                                   | —/—                              | —/—                               | 23/23                                            | 30/30                                              | 30/30                      | —                                        | —                                    | 23/23                                       | 30/30                            | 30/30                      |
|                                                                                                  | C10C                             | 12.5/16.6                             | 42.64/56.63                      | 34.6/40.0                         | 66/73                                            | 70/70                                              | 80/80                      | 44/50                                    | 45/50                                | 23/23                                       | 30/30                            | 30/30                      |
|                                                                                                  | C15C                             | 18.7/24.9                             | 63.80/84.95                      | 52.0/60.0                         | 88/98                                            | 90/90                                              | 100/100                    | 65/75                                    | 70/80                                | 23/23                                       | 30/30                            | 30/30                      |
| RHPBYB042ACT                                                                                     | NONE*                            | —/—                                   | —/—                              | —/—                               | 25/25                                            | 30/35                                              | 30/35                      | —                                        | —                                    | 25/25                                       | 30/35                            | 30/35                      |
|                                                                                                  | C10C                             | 12.5/16.6                             | 42.64/56.63                      | 34.6/40.0                         | 68/75                                            | 70/70                                              | 80/80                      | 44/50                                    | 45/50                                | 25/25                                       | 30/35                            | 30/35                      |
|                                                                                                  | C15C                             | 18.7/24.9                             | 63.80/84.95                      | 52.0/60.0                         | 90/100                                           | 90/90                                              | 100/100                    | 65/75                                    | 70/80                                | 25/25                                       | 30/35                            | 30/35                      |
|                                                                                                  | C20C                             | 25.0/33.2                             | 85.29/113.26                     | 69.3/79.9                         | 111/125                                          | 125/125                                            | 125/125                    | 87/100                                   | 90/100                               | 25/25                                       | 30/35                            | 30/35                      |
| RHPBYB048ACT                                                                                     | NONE*                            | —/—                                   | —/—                              | —/—                               | 25/25                                            | 30/35                                              | 30/35                      | —                                        | —                                    | 25/25                                       | 30/35                            | 30/35                      |
|                                                                                                  | C10C                             | 12.5/16.6                             | 42.64/56.63                      | 34.6/40.0                         | 68/75                                            | 70/70                                              | 80/80                      | 44/50                                    | 45/50                                | 25/25                                       | 30/35                            | 30/35                      |
|                                                                                                  | C15C                             | 18.7/24.9                             | 63.80/84.95                      | 52.0/60.0                         | 90/100                                           | 90/90                                              | 100/100                    | 65/75                                    | 70/80                                | 25/25                                       | 30/35                            | 30/35                      |
|                                                                                                  | C20C                             | 25.0/33.2                             | 85.29/113.26                     | 69.3/79.9                         | 111/125                                          | 125/125                                            | 125/125                    | 87/100                                   | 90/100                               | 25/25                                       | 30/35                            | 30/35                      |
| RHPBYB060ACT                                                                                     | NONE*                            | —/—                                   | —/—                              | —/—                               | 30/30                                            | 35/45                                              | 35/45                      | —                                        | —                                    | 30/30                                       | 35/45                            | 35/45                      |
|                                                                                                  | C10C                             | 12.5/16.6                             | 42.64/56.63                      | 34.6/40.0                         | 74/80                                            | 80/80                                              | 80/80                      | 44/50                                    | 45/50                                | 30/30                                       | 35/45                            | 35/45                      |
|                                                                                                  | C15C                             | 18.7/24.9                             | 63.80/84.95                      | 52.0/60.0                         | 95/105                                           | 100/100                                            | 110/110                    | 65/75                                    | 70/80                                | 30/30                                       | 35/45                            | 35/45                      |
|                                                                                                  | C20C                             | 25.0/33.2                             | 85.29/113.26                     | 69.3/79.9                         | 117/130                                          | 125/125                                            | 150/150                    | 87/100                                   | 90/100                               | 30/30                                       | 35/45                            | 35/45                      |

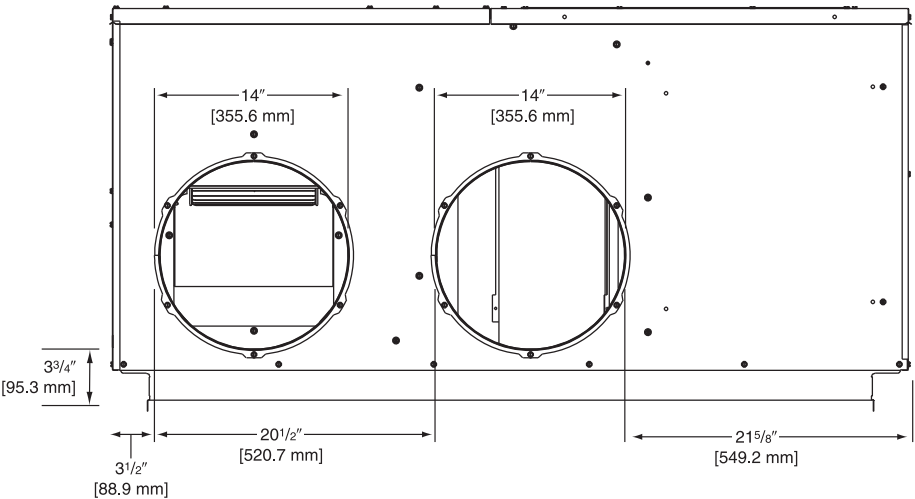
# DIMENSIONS

| Model              | Height "A" |
|--------------------|------------|
| 024, 030           | 29 1/8"    |
| 036, 042, 048, 060 | 37 1/8"    |

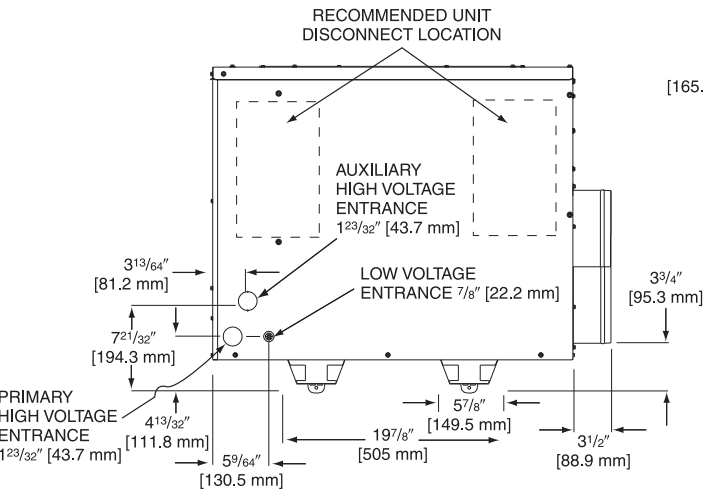
# FRONT VIEW



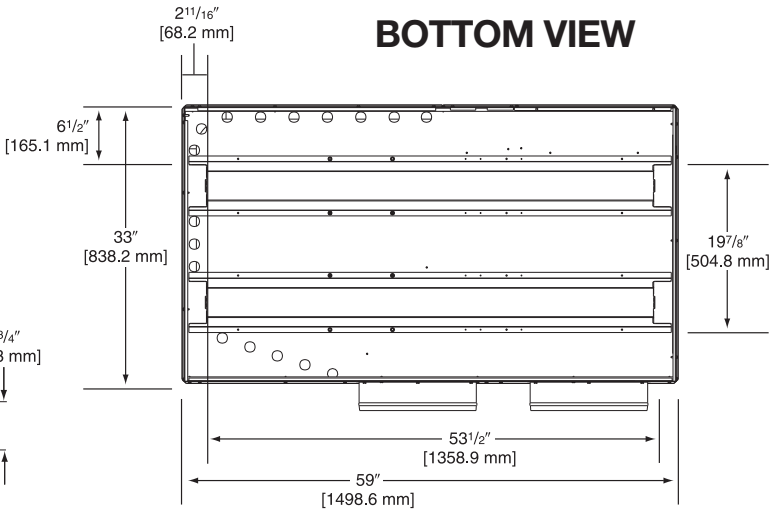
# REAR VIEW



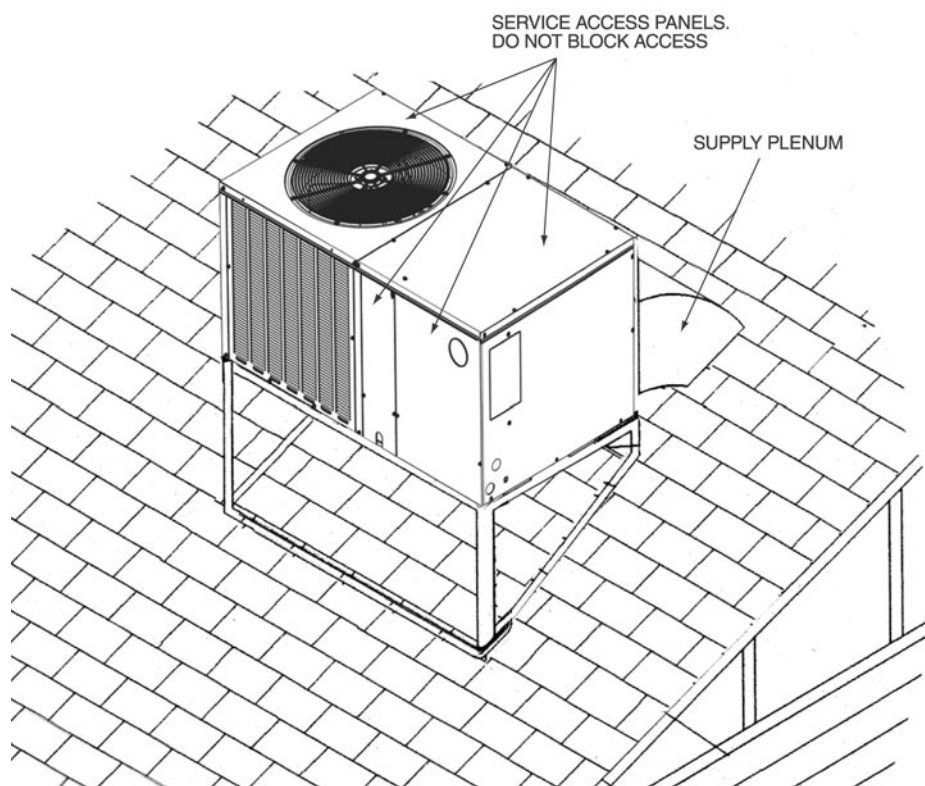
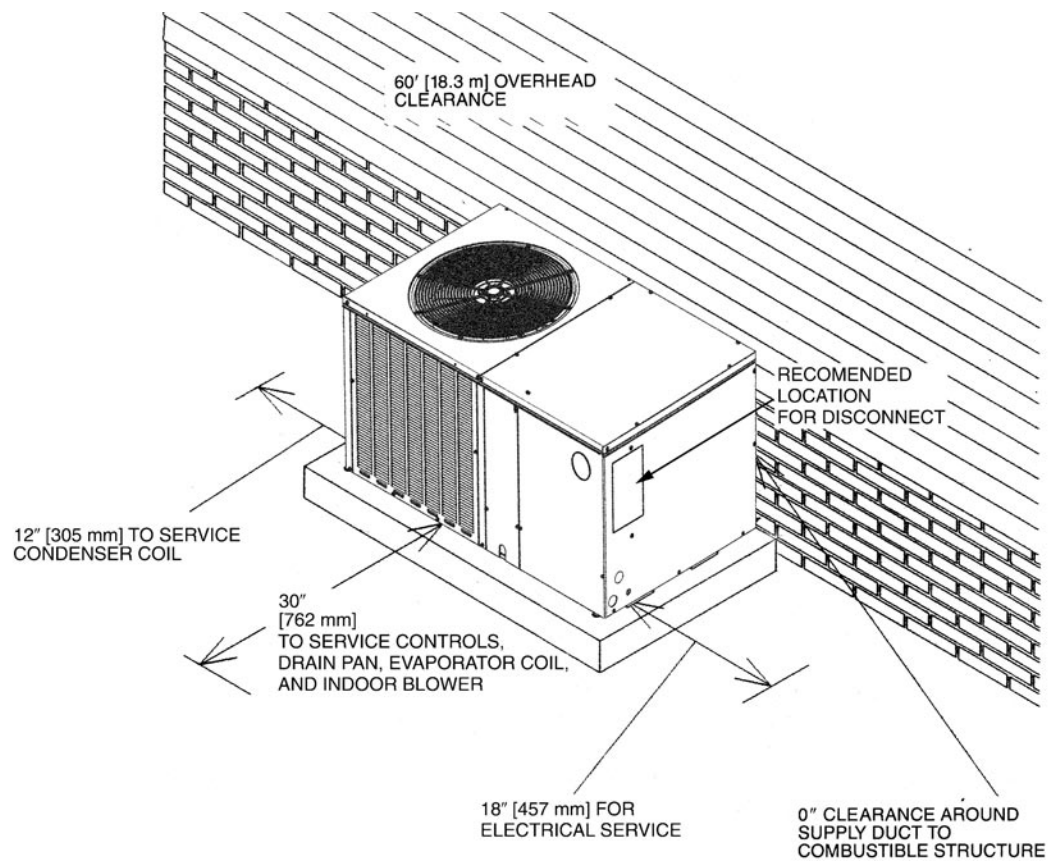
# ELECTRICAL CONNECTIONS



# BOTTOM VIEW



[ ] Designates Metric Conversions



[ ] Designates Metric Conversions





## GENERAL TERMS OF LIMITED WARRANTY\*

Rheem will furnish a replacement for any part of this product which fails in normal use and service within the applicable periods stated, in accordance with the terms of the limited warranty.

\*For complete details of the Limited and Conditional Warranties, including applicable terms and conditions, contact your local contractor or the Manufacturer for a copy of the product warranty certificate.

### Parts

Residential Applications  
(Registration Required) .....Ten (10) Years  
Commercial Applications .....One (1) Year

### Compressor

1 Phase, Residential Applications.....Ten (10) Years  
1 & 3 Phase, Commercial Applications .....Five (5) Years

**Before proceeding with installation, refer to installation instructions packaged with each model, as well as complying with all Federal, State, Provincial, and Local codes, regulations, and practices.**

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