

Package Heat Pump  
RQPL Series

## Ruud Commercial Achiever® Series Package Heat Pump



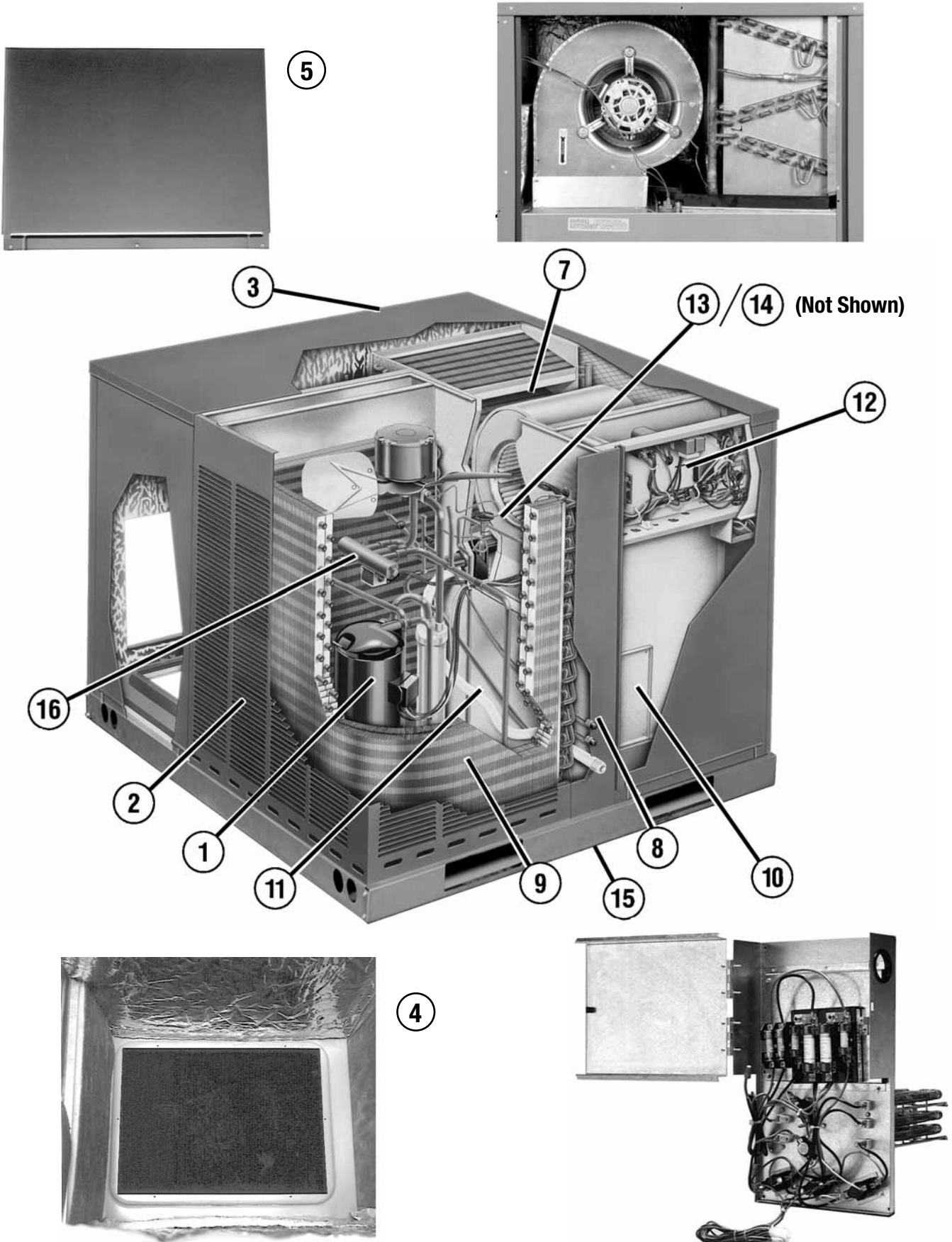
### RQPL- High Efficiency 14-SEER Series Nominal Sizes 2-4 Tons [7.03-14.07 kW]



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## Package Heat Pump Features:

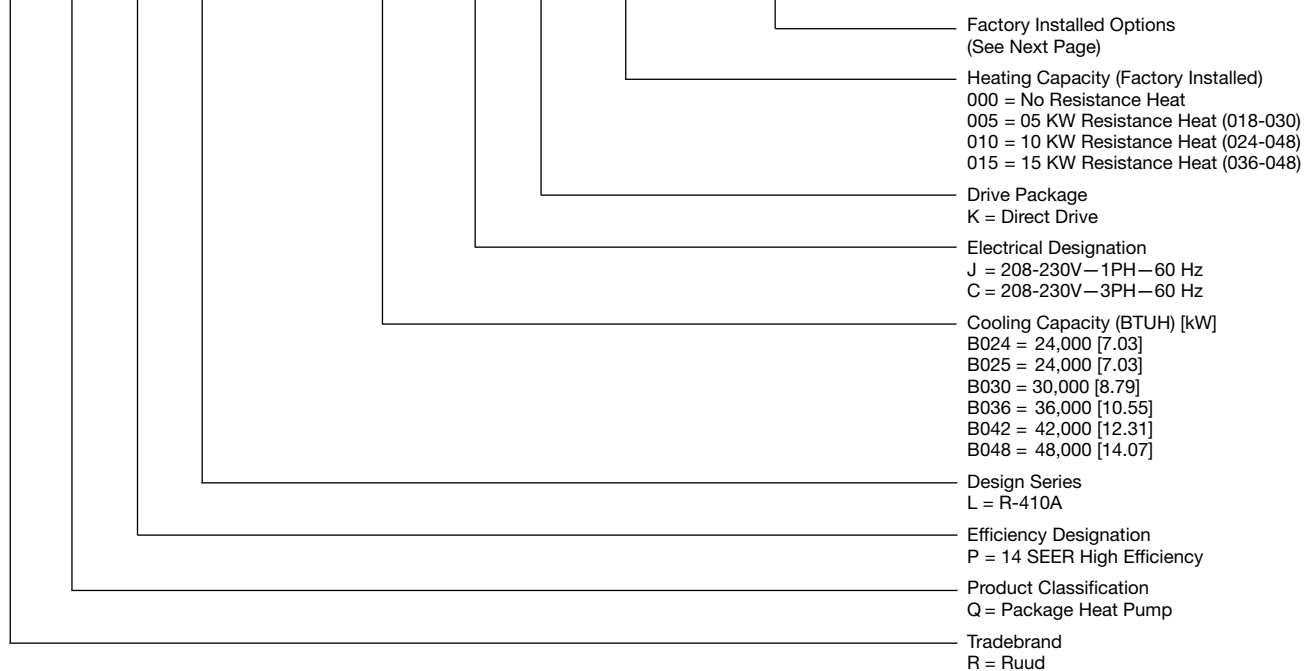




## Features Below Correspond to Photos on Page 3

1. All models feature Scroll® compressors for maximum efficiency and quiet operation. This unit contains a special scroll compressor that is designed specifically to operate with R-410A Refrigerants and polyolester (POE) oils. The compressor is hermetically sealed and incorporates internal high temperature motor overload protection and durable insulation on the motor windings. It is externally mounted on rubber grommets to reduce vibration and noise.
2. Louvered condenser compartment for protecting the coil against yard hazards and/or weather extremes.
3. One-piece top with a deep flange to help keep water out of the unit.
4. Supply and return air openings feature a one-inch tall flange to prevent water migration into the ductwork.
5. Access panels have “weep holes” and channels to further help manage water run-off.
6. Side and down discharge options available on all models. (Shipped Downflow Standard).
7. Easily accessible blower section complete with slide-out blower.
8. Refrigerant connections are conveniently located for easy service diagnostics. Low pressure/loss of charge protection is standard on all models.
9. Condenser and evaporator coils feature enhanced fins for better heat transfer and rifled copper tubing for greater efficiency.
10. Supplemental electric heat strips up to 15 kW are available (field or factory installed) for periods of extreme cold temperatures. Single point wiring makes installation even easier.
11. All units feature an internal trap on the condensate line eliminating the need for installing an on-site external trap.
12. Easily accessible control box. Package heat pump utilizes demand defrost control which monitors the outdoor ambient temperature, outdoor coil temperature, and compressor run-time to determine when a defrost cycle is required.
13. Thermal Expansion Valve standard on all models for superior superheat control, reliability, and energy efficiency at all operating conditions.
14. Filter Drier Standard on all models (not shown).
15. Rugged Baserail for improved installation and handling.
16. Reversing valve directs flow of refrigerant and reverses the refrigerant flow when heating is required.

**R Q P L — B024 J K 000 X X X**



[ ] Designates Metric Conversions

## Instructions for Factory Installed Option(s) Selection

**Note:** Two characters following the model number will be utilized to designate a factory-installed option or combination of options. If no factory option(s) is required, nothing follows the model number.

**Step 1.** After a basic rooftop model is selected, choose a *two-character* option code from the FACTORY INSTALLED OPTION SELECTION TABLE.

### FACTORY INSTALLED OPTION CODES

| Option Code | Side Flow |
|-------------|-----------|
| AA          | No Option |

Example: RQPL-B036JK000**XX** (where **XX** is factory installed option)

Example: No Options

RQPL-B036JK000

Note: Factory installed economizer is not available on these models.

## NOMINAL SIZES 2-4 TONS [7.03-14.07 kW]

| Model RQPL- Series                                  | B024JK                  | B025JK                  | B030JK                  | B036CK                  |
|---|-------------------------|-------------------------|-------------------------|-------------------------|
| <b>Cooling Performance<sup>1</sup></b>              |                         |                         |                         | <b>CONTINUED</b> →      |
| Gross Cooling Capacity Btu [kW]                     | 25,000 [7.32]           | 24,400 [7.15]           | 29,800 [8.73]           | 36,800 [10.78]          |
| EER/SEER <sup>2</sup>                               | 11.8/14                 | 12/14.3                 | 12/14.3                 | 12/14.3                 |
| Nominal CFM/AHRI Rated CFM [L/s]                    | 800/850 [378/401]       | 800/850 [378/401]       | 1000/1050 [472/495]     | 1200/1250 [566/590]     |
| AHRI Net Cooling Capacity Btu [kW]                  | 24,400 [7.15]           | 23,800 [6.97]           | 29,200 [8.56]           | 36,000 [10.55]          |
| Net Sensible Capacity Btu [kW]                      | 18,900 [5.54]           | 17,800 [5.22]           | 23,000 [6.74]           | 27,000 [7.91]           |
| Net Latent Capacity Btu [kW]                        | 5,500 [1.61]            | 6,000 [1.76]            | 6,200 [1.82]            | 9,000 [2.64]            |
| Net System Power kW                                 | 2.06                    | 1.98                    | 2.43                    | 3                       |
| <b>Heating Performance (Heat Pumps)<sup>4</sup></b> |                         |                         |                         |                         |
| Heating Input Btu [kW] Rating                       | 23,800 [6.97]           | 23,600 [6.91]           | 27,800 [8.15]           | 33,200 [9.73]           |
| System Power KW/COP                                 | 1.94/3.5                | 1.88/3.7                | 2.27/3.6                | 2.73/3.6                |
| Low Temp. Btuh [kW] Rating                          | 13,800 [4.04]           | 12,900 [3.78]           | 15,500 [4.54]           | 18,000 [5.27]           |
| System Power KW/COP                                 | 1.78/2.2                | 1.7/2.24                | 2.07/2.2                | 2.5/2.2                 |
| HSPF (Btu/Watts-hr)                                 | 8                       | 8                       | 8                       | 8                       |
| <b>Compressor</b>                                   |                         |                         |                         |                         |
| No./Type  | 1/Scroll                | 1/Scroll                | 1/Scroll                | 1/Scroll                |
| <b>Outdoor Sound Rating (dB)<sup>3</sup></b>        | 76                      | 76                      | 76                      | 76                      |
| <b>Outdoor Coil—Fin Type</b>                        | Louvered                | Louvered                | Louvered                | Louvered                |
| Tube Type   | Rifled                  | Rifled                  | Rifled                  | Rifled                  |
| Tube Size in. [mm] OD                               | 0.375 [9.5]             | 0.375 [9.5]             | 0.375 [9.5]             | 0.375 [9.5]             |
| Face Area sq. ft. [sq. m]                           | 14.51 [1.35]            | 14.51 [1.35]            | 16.32 [1.52]            | 11.2 [1.04]             |
| Rows / FPI [FPcm]                                   | 1 / 22 [9]              | 1 / 22 [9]              | 1 / 22 [9]              | 2 / 22 [9]              |
| Refrigerant Control                                 | TX Valves               | TX Valves               | TX Valves               | TX Valves               |
| <b>Indoor Coil—Fin Type</b>                         | Louvered                | Louvered                | Louvered                | Louvered                |
| Tube Type   | Rifled                  | Rifled                  | Rifled                  | Rifled                  |
| Tube Size in. [mm]                                  | 0.375 [9.5]             | 0.375 [9.5]             | 0.375 [9.5]             | 0.375 [9.5]             |
| Face Area sq. ft. [sq. m]                           | 5.54 [0.51]             | 5.54 [0.51]             | 7.39 [0.69]             | 7.39 [0.69]             |
| Rows / FPI [FPcm]                                   | 2 / 15 [6]              | 2 / 15 [6]              | 2 / 15 [6]              | 2 / 15 [6]              |
| Refrigerant Control                                 | TX Valves               | TX Valves               | TX Valves               | TX Valves               |
| Drain Connection No./Size in. [mm]                  | 1/1 [25.4]              | 1/1 [25.4]              | 1/1 [25.4]              | 1/1 [25.4]              |
| <b>Outdoor Fan—Type</b>                             | Propeller               | Propeller               | Propeller               | Propeller               |
| No. Used/Diameter in. [mm]                          | 1/22 [558.8]            | 1/22 [558.8]            | 1/22 [558.8]            | 1/22 [558.8]            |
| Drive Type/No. Speeds                               | Direct/1                | Direct/1                | Direct/1                | Direct/1                |
| CFM [L/s]   | 2700 [1274]             | 2700 [1274]             | 2700 [1274]             | 2700 [1274]             |
| No. Motors/HP                                       | 1 at 1/5 HP             | 1 at 1/3 HP             | 1 at 1/5 HP             | 1 at 1/5 HP             |
| Motor RPM   | 1075                    | 869                     | 1075                    | 1075                    |
| <b>Indoor Fan—Type</b>                              | FC Centrifugal          | FC Centrifugal          | FC Centrifugal          | FC Centrifugal          |
| No. Used/Diameter in. [mm]                          | 1/9x7 [228.6x177.8]     | 1/9x7 [229x178]         | 1/10x9 [254x228.6]      | 1/10x9 [254x228.6]      |
| Drive Type/No. Speeds                               | Direct/2                | Direct/2                | Direct/3                | Direct/3                |
| No. Motors  | 1                       | 1                       | 1                       | 1                       |
| Motor HP  | 1/3                     | 1/3                     | 1/2                     | 1/2                     |
| Motor RPM   | 1050                    | 1050                    | 1050                    | 1075                    |
| 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]                     | (1)1x20x20 [25x508x508] | (1)1x20x20 [25x508x508] | (1)1x24x24 [25x610x610] | (1)1x24x24 [25x610x610] |
| <b>Refrigerant Charge Oz. [g]</b>                   | 98 [2778]               | 98 [2778]               | 108 [3062]              | 146 [4139]              |
| <b>Weights</b>                                      |                         |                         |                         |                         |
| Net Weight lbs. [kg]                                | 391 [177]               | 391 [177]               | 444 [201]               | 471 [214]               |
| Ship Weight lbs. [kg]                               | 401 [182]               | 401 [182]               | 455 [206]               | 482 [219]               |

See Page 10 for Notes.

[ ] Designates Metric Conversions

## NOMINAL SIZES 2-4 TONS [7.03-14.07 kW]

| Model RQPL- Series                                  | B036JK                  | B042CK                  | B042JK                  | B048CK                  |
|---|-------------------------|-------------------------|-------------------------|-------------------------|
| <b>Cooling Performance<sup>1</sup></b>              |                         |                         |                         | <b>CONTINUED</b> →      |
| Gross Cooling Capacity Btu [kW]                     | 36,800 [10.78]          | 43,500 [12.75]          | 43,500 [12.75]          | 49,000 [14.36]          |
| EER/SEER <sup>2</sup>                               | 12/14.3                 | 11.3/14                 | 11.3/14                 | 11.5/14                 |
| Nominal CFM/AHRI Rated CFM [L/s]                    | 1200/1250 [566/590]     | 1400/1400 [661/661]     | 1400/1400 [661/661]     | 1600/1600 [755/755]     |
| AHRI Net Cooling Capacity Btu [kW]                  | 36,000 [10.55]          | 42,500 [12.45]          | 42,500 [12.45]          | 47,500 [13.92]          |
| Net Sensible Capacity Btu [kW]                      | 27,000 [7.91]           | 31,500 [9.23]           | 31,500 [9.23]           | 36,000 [10.55]          |
| Net Latent Capacity Btu [kW]                        | 9,000 [2.64]            | 11,000 [3.22]           | 11,000 [3.22]           | 11,500 [3.37]           |
| Net System Power kW                                 | 3                       | 3.85                    | 3.85                    | 4.26                    |
| <b>Heating Performance (Heat Pumps)<sup>4</sup></b> |                         |                         |                         |                         |
| Heating Input Btu [kW] Rating                       | 33,200 [9.73]           | 41,500 [12.16]          | 41,500 [12.16]          | 46,000 [13.48]          |
| System Power KW/COP                                 | 2.73/3.6                | 3.65/3.4                | 3.65/3.4                | 3.89/3.45               |
| Low Temp. Btuh [kW] Rating                          | 18,000 [5.27]           | 24,200 [7.09]           | 24,200 [7.09]           | 26,600 [7.79]           |
| System Power KW/COP                                 | 2.5/2.2                 | 3.43/2.08               | 3.43/2.08               | 3.57/2.2                |
| HSPF (Btu/Watts-hr)                                 | 8                       | 8                       | 8                       | 8                       |
| <b>Compressor</b>                                   |                         |                         |                         |                         |
| No./Type  | 1/Scroll                | 1/Scroll                | 1/Scroll                | 1/Scroll                |
| <b>Outdoor Sound Rating (dB)<sup>3</sup></b>        | 76                      | 76                      | 76                      | 78                      |
| <b>Outdoor Coil—Fin Type</b>                        | Louvered                | Louvered                | Louvered                | Louvered                |
| Tube Type   | Rifled                  | Rifled                  | Rifled                  | Rifled                  |
| Tube Size in. [mm] OD                               | 0.375 [9.5]             | 0.375 [9.5]             | 0.375 [9.5]             | 0.375 [9.5]             |
| Face Area sq. ft. [sq. m]                           | 11.2 [1.04]             | 16.32 [1.52]            | 16.32 [1.52]            | 16.32 [1.52]            |
| Rows / FPI [FPcm]                                   | 2 / 22 [9]              | 2 / 22 [9]              | 2 / 22 [9]              | 2 / 22 [9]              |
| Refrigerant Control                                 | TX Valves               | TX Valves               | TX Valves               | TX Valves               |
| <b>Indoor Coil—Fin Type</b>                         | Louvered                | Louvered                | Louvered                | Louvered                |
| Tube Type   | Rifled                  | Rifled                  | Rifled                  | Rifled                  |
| Tube Size in. [mm]                                  | 0.375 [9.5]             | 0.375 [9.5]             | 0.375 [9.5]             | 0.375 [9.5]             |
| Face Area sq. ft. [sq. m]                           | 7.39 [0.69]             | 7.39 [0.69]             | 7.39 [0.69]             | 7.39 [0.69]             |
| Rows / FPI [FPcm]                                   | 2 / 15 [6]              | 2 / 15 [6]              | 2 / 15 [6]              | 2 / 15 [6]              |
| Refrigerant Control                                 | TX Valves               | TX Valves               | TX Valves               | TX Valves               |
| Drain Connection No./Size in. [mm]                  | 1/1 [25.4]              | 1/1 [25.4]              | 1/1 [25.4]              | 1/1 [25.4]              |
| <b>Outdoor Fan—Type</b>                             | Propeller               | Propeller               | Propeller               | Propeller               |
| No. Used/Diameter in. [mm]                          | 1/22 [558.8]            | 1/22 [558.8]            | 1/22 [558.8]            | 1/22 [558.8]            |
| Drive Type/No. Speeds                               | Direct/1                | Direct/1                | Direct/1                | Direct/1                |
| CFM [L/s]   | 2700 [1274]             | 3300 [1557]             | 3300 [1557]             | 3000 [1416]             |
| No. Motors/HP                                       | 1 at 1/5 HP             | 1 at 1/3 HP             | 1 at 1/3 HP             | 1 at 1/3 HP             |
| Motor RPM   | 1075                    | 1075                    | 1075                    | 1075                    |
| <b>Indoor Fan—Type</b>                              | FC Centrifugal          | FC Centrifugal          | FC Centrifugal          | FC Centrifugal          |
| No. Used/Diameter in. [mm]                          | 1/10x9 [254x228.6]      | 1/10x9 [254x228.6]      | 1/10x9 [254x228.6]      | 1/10x9 [254x228.6]      |
| Drive Type/No. Speeds                               | Direct/3                | Direct/2                | Direct/2                | Direct/2                |
| No. Motors  | 1                       | 1                       | 1                       | 1                       |
| Motor HP  | 1/2                     | 3/4                     | 3/4                     | 3/4                     |
| Motor RPM   | 1050                    | 1075                    | 1075                    | 1075                    |
| 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]                     | (1)1x24x24 [25x610x610] | (1)1x24x24 [25x610x610] | (1)1x24x24 [25x610x610] | (1)1x24x24 [25x610x610] |
| <b>Refrigerant Charge Oz. [g]</b>                   | 146 [4139]              | 176 [4990]              | 176 [4990]              | 183 [5188]              |
| <b>Weights</b>                                      |                         |                         |                         |                         |
| Net Weight lbs. [kg]                                | 468 [212]               | 508 [230]               | 505 [229]               | 500 [227]               |
| Ship Weight lbs. [kg]                               | 479 [217]               | 519 [235]               | 516 [234]               | 511 [232]               |

See Page 10 for Notes.

[ ] Designates Metric Conversions



## NOMINAL SIZES 2-4 TONS [7.03-14.07 kW]

| Model RQPL- Series                                  | B048JK                  |
|---|-------------------------|
| <b>Cooling Performance<sup>1</sup></b>              |                         |
| Gross Cooling Capacity Btu [kW]                     | 49,000 [14.36]          |
| EER/SEER <sup>2</sup>                               | 11.5/14                 |
| Nominal CFM/AHRI Rated CFM [L/s]                    | 1600/1600 [755/755]     |
| AHRI Net Cooling Capacity Btu [kW]                  | 47,500 [13.92]          |
| Net Sensible Capacity Btu [kW]                      | 36,000 [10.55]          |
| Net Latent Capacity Btu [kW]                        | 11,500 [3.37]           |
| Net System Power kW                                 | 4.26                    |
| <b>Heating Performance (Heat Pumps)<sup>4</sup></b> |                         |
| Heating Input Btu [kW] Rating                       | 46,000 [13.48]          |
| System Power KW/COP                                 | 3.89/3.45               |
| Low Temp. Btuh [kW] Rating                          | 26,600 [7.79]           |
| System Power KW/COP                                 | 3.57/2.2                |
| HSPF (Btu/Watts-hr)                                 | 8                       |
| <b>Compressor</b>                                   |                         |
| No./Type  | 1/Scroll                |
| <b>Outdoor Sound Rating (dB)<sup>3</sup></b>        |                         |
|   | 78                      |
| <b>Outdoor Coil—Fin Type</b>                        |                         |
| Tube Type   | Louvered                |
|   | Rifled                  |
| Tube Size in. [mm] OD                               | 0.375 [9.5]             |
| Face Area sq. ft. [sq. m]                           | 16.32 [1.52]            |
| Rows / FPI [FPcm]                                   | 2 / 22 [9]              |
| Refrigerant Control                                 | TX Valves               |
| <b>Indoor Coil—Fin Type</b>                         |                         |
| Tube Type   | Louvered                |
|   | Rifled                  |
| Tube Size in. [mm]                                  | 0.375 [9.5]             |
| Face Area sq. ft. [sq. m]                           | 7.39 [0.69]             |
| Rows / FPI [FPcm]                                   | 2 / 15 [6]              |
| Refrigerant Control                                 | TX Valves               |
| Drain Connection No./Size in. [mm]                  | 1/1 [25.4]              |
| <b>Outdoor Fan—Type</b>                             |                         |
|   | Propeller               |
| No. Used/Diameter in. [mm]                          | 1/22 [558.8]            |
| Drive Type/No. Speeds                               | Direct/1                |
| CFM [L/s]   | 3000 [1416]             |
| No. Motors/HP                                       | 1 at 1/3 HP             |
| Motor RPM   | 1075                    |
| <b>Indoor Fan—Type</b>                              |                         |
|   | FC Centrifugal          |
| No. Used/Diameter in. [mm]                          | 1/10x9 [254x228.6]      |
| Drive Type/No. Speeds                               | Direct/2                |
| No. Motors  | 1                       |
| Motor HP  | 3/4                     |
| Motor RPM   | 1075                    |
| Motor Frame Size                                    | 48                      |
| <b>Filter—Type</b>                                  |                         |
|   | Field Supplied          |
| Furnished   | No                      |
| (No.) Size Recommended in. [mm]                     | (1)1x24x24 [25x610x610] |
| <b>Refrigerant Charge Oz. [g]</b>                   |                         |
|   | 183 [5188]              |
| <b>Weights</b>                                      |                         |
| Net Weight lbs. [kg]                                | 510 [231]               |
| Ship Weight lbs. [kg]                               | 521 [236]               |

See Page 10 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 in CFM range shown in airflow tables. Units are certified in accordance with the Unitary Air Conditioner Equipment certification program, which is based on AHRI Standard 210/240 or 360.
2. EER and/or SEER are rated at AHRI conditions and in accordance with DOE test procedures.
3. Outdoor Sound Rating shown is tested in accordance with AHRI Standard 270.
4. Heating Performance is rated at 47° F ambient, 70° F entering dry bulb for High Temp rating and 17° F ambient, 70° F entering dry bulb for Low Temp rating. Performance ratings do include the effect of fan motor heat.

## COOLING PERFORMANCE DATA—RQPL-024

| 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]                                 |                 |                 | 940 [444]     | 850 [401]   | 760 [359]   | 940 [444]     | 850 [401]   | 760 [359]   | 940 [444]     | 850 [401]   | 760 [359]   |
| DR ①                                      |                 |                 | .15           | .13         | .11         | .15           | .13         | .11         | .15           | .13         | .11         |
| OUTDOOR DRY BULB TEMPERATURE °F [°C]      | 75 [23.9]       | Total BTUH [kW] | 29.9 [8.76]   | 29.4 [8.62] | 28.8 [8.44] | 28.6 [8.38]   | 28.0 [8.21] | 27.5 [8.06] | 27.6 [8.09]   | 27.1 [7.94] | 26.6 [7.80] |
|   |                 | Sens BTUH [kW]  | 19.2 [5.63]   | 18.4 [5.39] | 17.5 [5.13] | 22.0 [6.45]   | 21.0 [6.15] | 20.1 [5.89] | 23.3 [6.83]   | 22.3 [6.54] | 21.2 [6.21] |
|   |                 | Power           | 1.5           | 1.5         | 1.5         | 1.5           | 1.5         | 1.5         | 1.5           | 1.5         | 1.5         |
|   | 80 [26.7]       | Total BTUH [kW] | 29.7 [8.70]   | 29.1 [8.53] | 28.6 [8.38] | 28.3 [8.29]   | 27.8 [8.15] | 27.3 [8.00] | 27.3 [8.00]   | 26.8 [7.85] | 26.4 [7.74] |
|   |                 | Sens BTUH [kW]  | 19.0 [5.57]   | 18.1 [5.30] | 17.3 [5.07] | 21.8 [6.39]   | 20.8 [6.10] | 19.9 [5.83] | 23.1 [6.77]   | 22.1 [6.48] | 21.0 [6.15] |
|   |                 | Power           | 1.6           | 1.6         | 1.6         | 1.6           | 1.6         | 1.6         | 1.6           | 1.6         | 1.6         |
|   | 85 [29.4]       | Total BTUH [kW] | 29.0 [8.50]   | 28.5 [8.35] | 27.9 [8.18] | 27.6 [8.09]   | 27.2 [7.97] | 26.7 [7.83] | 26.7 [7.83]   | 26.2 [7.68] | 25.7 [7.53] |
|   |                 | Sens BTUH [kW]  | 18.6 [5.45]   | 17.8 [5.22] | 16.9 [4.95] | 21.4 [6.27]   | 20.5 [6.01] | 19.5 [5.71] | 22.7 [6.65]   | 21.7 [6.36] | 20.7 [6.07] |
|   |                 | Power           | 1.7           | 1.7         | 1.7         | 1.7           | 1.7         | 1.7         | 1.7           | 1.7         | 1.7         |
|   | 90 [32.2]       | Total BTUH [kW] | 28.0 [8.21]   | 27.5 [8.06] | 27.0 [7.91] | 26.6 [7.80]   | 26.2 [7.68] | 25.7 [7.53] | 25.6 [7.50]   | 25.2 [7.39] | 24.7 [7.24] |
| Sens BTUH [kW]                            |                 | 18.1 [5.30]     | 17.3 [5.07]   | 16.5 [4.84] | 20.9 [6.13] | 20.0 [5.86]   | 19.1 [5.60] | 22.2 [6.51] | 21.2 [6.21]   | 20.2 [5.92] |             |
| Power                                     |                 | 1.8             | 1.8           | 1.8         | 1.8         | 1.8           | 1.8         | 1.8         | 1.8           | 1.8         |             |
| 95 [35]                                   | Total BTUH [kW] | 26.7 [7.83]     | 26.3 [7.71]   | 25.8 [7.56] | 25.4 [7.44] | 24.9 [7.30]   | 24.5 [7.18] | 24.4 [7.15] | 24.0 [7.03]   | 23.5 [6.89] |             |
|   | Sens BTUH [kW]  | 17.5 [5.13]     | 16.7 [4.89]   | 16.0 [4.69] | 20.4 [5.98] | 19.4 [5.69]   | 18.5 [5.42] | 21.6 [6.33] | 20.7 [6.07]   | 19.7 [5.77] |             |
|   | Power           | 1.9             | 1.9           | 1.9         | 1.9         | 1.9           | 1.9         | 1.9         | 1.9           | 1.9         |             |
| 100 [37.8]                                | Total BTUH [kW] | 25.4 [7.44]     | 24.9 [7.30]   | 24.5 [7.18] | 24.0 [7.03] | 23.6 [6.92]   | 23.2 [6.80] | 23.0 [6.74] | 22.6 [6.62]   | 22.2 [6.51] |             |
|   | Sens BTUH [kW]  | 16.9 [4.95]     | 16.1 [4.72]   | 15.4 [4.51] | 19.7 [5.77] | 18.8 [5.51]   | 18.0 [5.28] | 21.0 [6.15] | 20.1 [5.89]   | 19.1 [5.60] |             |
|   | Power           | 2.0             | 2.0           | 2.0         | 2.0         | 2.0           | 2.0         | 2.0         | 2.0           | 2.0         |             |
| 105 [40.6]                                | Total BTUH [kW] | 24.0 [7.03]     | 23.6 [6.92]   | 23.1 [6.77] | 22.6 [6.62] | 22.2 [6.51]   | 21.8 [6.39] | 21.7 [6.36] | 21.3 [6.24]   | 20.9 [6.13] |             |
|   | Sens BTUH [kW]  | 16.3 [4.78]     | 15.5 [4.54]   | 14.8 [4.34] | 19.1 [5.60] | 18.2 [5.33]   | 17.4 [5.10] | 20.4 [5.98] | 19.5 [5.71]   | 18.5 [5.42] |             |
|   | Power           | 2.1             | 2.1           | 2.1         | 2.1         | 2.1           | 2.1         | 2.1         | 2.1           | 2.1         |             |
| 110 [43.3]                                | Total BTUH [kW] | 22.7 [6.65]     | 22.3 [6.54]   | 21.9 [6.42] | 21.4 [6.27] | 21.0 [6.15]   | 20.6 [6.04] | 20.4 [5.98] | 20.0 [5.86]   | 19.6 [5.74] |             |
|   | Sens BTUH [kW]  | 15.6 [4.57]     | 14.9 [4.37]   | 14.2 [4.16] | 18.5 [5.42] | 17.6 [5.16]   | 16.8 [4.92] | 19.7 [5.77] | 18.9 [5.54]   | 18.0 [5.28] |             |
|   | Power           | 2.2             | 2.2           | 2.2         | 2.2         | 2.2           | 2.2         | 2.2         | 2.2           | 2.2         |             |
| 115 [46.1]                                | Total BTUH [kW] | 21.6 [6.33]     | 21.2 [6.21]   | 20.8 [6.10] | 20.2 [5.92] | 19.9 [5.83]   | 19.5 [5.71] | 19.3 [5.66] | 18.9 [5.54]   | 18.6 [5.45] |             |
|   | Sens BTUH [kW]  | 15.1 [4.43]     | 14.4 [4.22]   | 13.7 [4.02] | 17.9 [5.25] | 17.1 [5.01]   | 16.3 [4.78] | 19.2 [5.63] | 18.3 [5.36]   | 17.5 [5.13] |             |
|   | Power           | 2.3             | 2.3           | 2.3         | 2.3         | 2.3           | 2.3         | 2.3         | 2.3           | 2.3         |             |

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

Total —Total capacity x 1000 BTUH  
Sens —Sensible capacity x 1000 BTUH  
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)].

## HEATING PERFORMANCE DATA—RQPL-024

| IDB                                  |                 |                 |               |             |             |               |             |             |               |             |             |
|--------------------------------------|-----------------|-----------------|---------------|-------------|-------------|---------------|-------------|-------------|---------------|-------------|-------------|
| CFM [L/s]                            |                 |                 | 60°F [15.5°C] |             |             | 70°F [21.1°C] |             |             | 80°F [26.7°C] |             |             |
|                                      |                 |                 | 940 [444]     | 850 [401]   | 760 [359]   | 940 [444]     | 850 [401]   | 760 [359]   | 940 [444]     | 850 [401]   | 760 [359]   |
| OUTDOOR DRY BULB TEMPERATURE °F [°C] | 0 [-17.8]       | Total BTUH [kW] | 8.9 [2.61]    | 8.8 [2.58]  | 8.7 [2.55]  | 8.0 [2.34]    | 7.9 [2.32]  | 7.9 [2.32]  | 6.5 [1.90]    | 6.5 [1.90]  | 6.5 [1.90]  |
|                                      |                 | Power           | 1.4           | 1.4         | 1.4         | 1.6           | 1.6         | 1.6         | 1.8           | 1.8         | 1.9         |
|                                      | 5 [-15]         | Total BTUH [kW] | 10.5 [3.08]   | 10.4 [3.05] | 10.4 [3.05] | 9.6 [2.81]    | 9.6 [2.81]  | 9.5 [2.78]  | 8.2 [2.40]    | 8.1 [2.37]  | 8.1 [2.37]  |
|                                      |                 | Power           | 1.4           | 1.4         | 1.5         | 1.6           | 1.6         | 1.6         | 1.8           | 1.9         | 1.9         |
|                                      | 10 [-12.2]      | Total BTUH [kW] | 12.1 [3.55]   | 12.1 [3.55] | 12.0 [3.52] | 11.3 [3.31]   | 11.2 [3.28] | 11.1 [3.25] | 9.8 [2.87]    | 9.8 [2.87]  | 9.7 [2.84]  |
|                                      |                 | Power           | 1.4           | 1.5         | 1.5         | 1.6           | 1.6         | 1.7         | 1.9           | 1.9         | 1.9         |
|                                      | 15 [-9.4]       | Total BTUH [kW] | 13.8 [4.04]   | 13.7 [4.02] | 13.6 [3.99] | 12.9 [3.78]   | 12.8 [3.75] | 12.7 [3.72] | 11.5 [3.37]   | 11.4 [3.34] | 11.3 [3.31] |
|                                      |                 | Power           | 1.5           | 1.5         | 1.5         | 1.6           | 1.7         | 1.7         | 1.9           | 1.9         | 1.9         |
|                                      | 20 [-6.7]       | Total BTUH [kW] | 15.4 [4.51]   | 15.3 [4.48] | 15.2 [4.45] | 14.5 [4.25]   | 14.4 [4.22] | 14.3 [4.19] | 13.1 [3.84]   | 13.0 [3.81] | 12.9 [3.78] |
|                                      |                 | Power           | 1.5           | 1.5         | 1.5         | 1.7           | 1.7         | 1.7         | 1.9           | 1.9         | 1.9         |
| 25 [-3.9]                            | Total BTUH [kW] | 17.1 [5.01]     | 16.9 [4.95]   | 16.8 [4.92] | 16.2 [4.75] | 16.1 [4.72]   | 15.9 [4.66] | 14.7 [4.31] | 14.6 [4.28]   | 14.5 [4.25] |             |
|                                      | Power           | 1.5             | 1.5           | 1.5         | 1.7         | 1.7           | 1.7         | 1.9         | 1.9           | 2.0         |             |
| 30 [-1.1]                            | Total BTUH [kW] | 18.7 [5.48]     | 18.6 [5.45]   | 18.4 [5.39] | 17.8 [5.22] | 17.7 [5.19]   | 17.6 [5.16] | 16.4 [4.81] | 16.3 [4.78]   | 16.1 [4.72] |             |
|                                      | Power           | 1.5             | 1.5           | 1.6         | 1.7         | 1.7           | 1.7         | 1.9         | 2.0           | 2.0         |             |
| 35 [1.7]                             | Total BTUH [kW] | 20.3 [5.95]     | 20.2 [5.92]   | 20.0 [5.86] | 19.4 [5.69] | 19.3 [5.66]   | 19.2 [5.63] | 18.0 [5.28] | 17.9 [5.25]   | 17.8 [5.22] |             |
|                                      | Power           | 1.5             | 1.6           | 1.6         | 1.7         | 1.7           | 1.8         | 2.0         | 2.0           | 2.0         |             |
| 40 [4.4]                             | Total BTUH [kW] | 22.0 [6.45]     | 21.8 [6.39]   | 21.7 [6.36] | 21.1 [6.18] | 20.9 [6.13]   | 20.8 [6.10] | 19.6 [5.74] | 19.5 [5.71]   | 19.4 [5.69] |             |
|                                      | Power           | 1.6             | 1.6           | 1.6         | 1.7         | 1.8           | 1.8         | 2.0         | 2.0           | 2.0         |             |
| 45 [7.2]                             | Total BTUH [kW] | 23.6 [6.92]     | 23.4 [6.86]   | 23.3 [6.83] | 22.7 [6.65] | 22.6 [6.62]   | 22.4 [6.56] | 21.3 [6.24] | 21.1 [6.18]   | 21.0 [6.15] |             |
|                                      | Power           | 1.6             | 1.6           | 1.6         | 1.8         | 1.8           | 1.8         | 2.0         | 2.0           | 2.1         |             |
| 50 [10]                              | Total BTUH [kW] | 25.2 [7.39]     | 25.1 [7.36]   | 24.9 [7.30] | 24.4 [7.15] | 24.2 [7.09]   | 24.0 [7.03] | 22.9 [6.71] | 22.8 [6.68]   | 22.6 [6.62] |             |
|                                      | Power           | 1.6             | 1.6           | 1.6         | 1.8         | 1.8           | 1.8         | 2.0         | 2.0           | 2.1         |             |

IDB—Indoor air dry bulb

[ ] Designates Metric Conversions

## COOLING PERFORMANCE DATA—RQPL-025

| 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]                                 |                 |                 | 930 [439]     | 850 [401]  | 760 [359]  | 930 [439]     | 850 [401]  | 760 [359]  | 930 [439]     | 850 [401]  | 760 [359]  |
| DR ②                                      |                 |                 | .15           | .17        | .19        | .15           | .17        | .19        | .15           | .17        | .19        |
| OUTDOOR DRY BULB TEMPERATURE °F [°C]      | 75 [23.9]       | Total BTUH [kW] | 30.4 [8.9]    | 29.9 [8.8] | 29.3 [8.6] | 28.5 [8.4]    | 28.0 [8.2] | 27.5 [8.1] | 26.8 [7.9]    | 26.4 [7.7] | 25.9 [7.6] |
|   |                 | Sens BTUH [kW]  | 18.8 [5.5]    | 17.5 [5.1] | 16.1 [4.7] | 22.1 [6.5]    | 20.7 [6.1] | 19.2 [5.6] | 24.4 [7.2]    | 23.0 [6.8] | 21.4 [6.3] |
|   |                 | Power           | 1.5           | 1.4        | 1.4        | 1.5           | 1.5        | 1.4        | 1.5           | 1.5        | 1.4        |
|   | 80 [26.7]       | Total BTUH [kW] | 29.6 [8.7]    | 29.1 [8.5] | 28.5 [8.4] | 27.7 [8.1]    | 27.2 [8.0] | 26.7 [7.8] | 26.0 [7.6]    | 25.6 [7.5] | 25.1 [7.4] |
|   |                 | Sens BTUH [kW]  | 18.2 [5.3]    | 16.9 [5.0] | 15.5 [4.6] | 21.5 [6.3]    | 20.1 [5.9] | 18.6 [5.5] | 23.8 [7.0]    | 22.4 [6.6] | 20.8 [6.1] |
|   |                 | Power           | 1.5           | 1.5        | 1.5        | 1.5           | 1.5        | 1.5        | 1.6           | 1.5        | 1.5        |
|   | 85 [29.4]       | Total BTUH [kW] | 28.7 [8.4]    | 28.2 [8.3] | 27.6 [8.1] | 26.8 [7.9]    | 26.3 [7.7] | 25.8 [7.6] | 25.1 [7.4]    | 24.7 [7.2] | 24.2 [7.1] |
|   |                 | Sens BTUH [kW]  | 17.5 [5.1]    | 16.3 [4.8] | 14.9 [4.4] | 20.9 [6.1]    | 19.5 [5.7] | 18.1 [5.3] | 23.2 [6.8]    | 21.8 [6.4] | 20.2 [5.9] |
|   |                 | Power           | 1.6           | 1.6        | 1.6        | 1.6           | 1.6        | 1.6        | 1.6           | 1.6        | 1.6        |
|   | 90 [32.2]       | Total BTUH [kW] | 27.7 [8.1]    | 27.2 [8.0] | 26.7 [7.8] | 25.8 [7.6]    | 25.4 [7.4] | 24.9 [7.3] | 24.1 [7.1]    | 23.7 [6.9] | 23.3 [6.8] |
| Sens BTUH [kW]                            |                 | 16.9 [5.0]      | 15.7 [4.6]    | 14.4 [4.2] | 20.3 [6.0] | 19.0 [5.6]    | 17.6 [5.2] | 22.4 [6.6] | 21.1 [6.2]    | 19.7 [5.8] |            |
| Power                                     |                 | 1.7             | 1.7           | 1.7        | 1.7        | 1.7           | 1.7        | 1.7        | 1.7           | 1.7        |            |
| 95 [35]                                   | Total BTUH [kW] | 26.7 [7.8]      | 26.2 [7.7]    | 25.7 [7.5] | 24.8 [7.3] | 24.4 [7.2]    | 23.9 [7.0] | 23.1 [6.8] | 22.7 [6.7]    | 22.3 [6.5] |            |
|   | Sens BTUH [kW]  | 16.3 [4.8]      | 15.1 [4.4]    | 13.9 [4.1] | 19.6 [5.8] | 18.4 [5.4]    | 17.0 [5.0] | 21.9 [6.4] | 20.6 [6.0]    | 19.2 [5.6] |            |
|   | Power           | 1.8             | 1.8           | 1.8        | 1.8        | 1.8           | 1.8        | 1.8        | 1.8           | 1.8        |            |
| 100 [37.8]                                | Total BTUH [kW] | 25.6 [7.5]      | 25.2 [7.4]    | 24.7 [7.2] | 23.7 [6.9] | 23.3 [6.8]    | 22.9 [6.7] | 22.0 [6.4] | 21.7 [6.4]    | 21.3 [6.2] |            |
|   | Sens BTUH [kW]  | 15.8 [4.6]      | 14.7 [4.3]    | 13.5 [4.0] | 19.0 [5.6] | 17.8 [5.2]    | 16.5 [4.8] | 21.3 [6.3] | 20.1 [5.9]    | 18.7 [5.5] |            |
|   | Power           | 1.9             | 1.9           | 1.9        | 1.9        | 1.9           | 1.9        | 1.9        | 1.9           | 1.9        |            |
| 105 [40.6]                                | Total BTUH [kW] | 24.5 [7.2]      | 24.1 [7.1]    | 23.6 [6.9] | 22.6 [6.6] | 22.2 [6.5]    | 21.8 [6.4] | 20.9 [6.1] | 20.6 [6.0]    | 20.2 [5.9] |            |
|   | Sens BTUH [kW]  | 15.2 [4.5]      | 14.2 [4.2]    | 13.0 [3.8] | 18.5 [5.4] | 17.3 [5.1]    | 16.1 [4.7] | 20.8 [6.1] | 19.6 [5.8]    | 18.3 [5.4] |            |
|   | Power           | 2.0             | 2.0           | 2.0        | 2.0        | 2.0           | 2.0        | 2.0        | 2.0           | 2.0        |            |
| 110 [43.3]                                | Total BTUH [kW] | 23.3 [6.8]      | 22.9 [6.7]    | 22.5 [6.6] | 21.4 [6.3] | 21.0 [6.2]    | 20.6 [6.0] | 19.7 [5.8] | 19.4 [5.7]    | 19.0 [5.6] |            |
|   | Sens BTUH [kW]  | 14.7 [4.3]      | 13.7 [4.0]    | 12.6 [3.7] | 18.0 [5.3] | 16.8 [4.9]    | 15.6 [4.6] | 19.7 [5.8] | 19.1 [5.6]    | 17.8 [5.2] |            |
|   | Power           | 2.2             | 2.1           | 2.1        | 2.2        | 2.1           | 2.1        | 2.2        | 2.1           | 2.1        |            |
| 115 [46.1]                                | Total BTUH [kW] | 22.1 [6.5]      | 21.7 [6.4]    | 21.3 [6.2] | 20.2 [5.9] | 19.8 [5.8]    | 19.4 [5.7] | 18.5 [5.4] | 18.2 [5.3]    | 17.8 [5.2] |            |
|   | Sens BTUH [kW]  | 14.2 [4.2]      | 13.2 [3.9]    | 12.2 [3.6] | 17.5 [5.1] | 16.4 [4.8]    | 15.2 [4.5] | 18.5 [5.4] | 18.2 [5.3]    | 17.4 [5.1] |            |
|   | Power           | 2.3             | 2.3           | 2.2        | 2.3        | 2.3           | 2.2        | 2.3        | 2.3           | 2.2        |            |

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

Total —Total capacity x 1000 BTUH  
Sens —Sensible capacity x 1000 BTUH  
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)].

## HEATING PERFORMANCE DATA—RQPL-025

| IDB                                  |                 |                 |               |            |            |               |            |            |               |            |            |
|--------------------------------------|-----------------|-----------------|---------------|------------|------------|---------------|------------|------------|---------------|------------|------------|
| CFM [L/s]                            |                 |                 | 60°F [15.5°C] |            |            | 70°F [21.1°C] |            |            | 80°F [26.7°C] |            |            |
|                                      |                 |                 | 930 [439]     | 850 [401]  | 760 [359]  | 930 [439]     | 850 [401]  | 760 [359]  | 930 [439]     | 850 [401]  | 760 [359]  |
| OUTDOOR DRY BULB TEMPERATURE °F [°C] | 0 [-17.8]       | Total BTUH [kW] | 7.3 [2.1]     | 7.2 [2.1]  | 7.2 [2.1]  | 5.9 [1.7]     | 5.9 [1.7]  | 5.9 [1.7]  | 4.6 [1.3]     | 4.5 [1.3]  | 4.5 [1.3]  |
|                                      |                 | Power           | 1.2           | 1.3        | 1.3        | 1.4           | 1.4        | 1.4        | 1.6           | 1.6        | 1.6        |
|                                      | 5 [-15]         | Total BTUH [kW] | 9.1 [2.7]     | 9.1 [2.7]  | 9.0 [2.6]  | 7.8 [2.3]     | 7.7 [2.3]  | 7.7 [2.3]  | 6.4 [1.9]     | 6.4 [1.9]  | 6.3 [1.8]  |
|                                      |                 | Power           | 1.3           | 1.3        | 1.3        | 1.4           | 1.5        | 1.5        | 1.6           | 1.6        | 1.7        |
|                                      | 10 [-12.2]      | Total BTUH [kW] | 11.0 [3.2]    | 10.9 [3.2] | 10.8 [3.2] | 9.6 [2.8]     | 9.5 [2.8]  | 9.5 [2.8]  | 8.2 [2.4]     | 8.2 [2.4]  | 8.1 [2.4]  |
|                                      |                 | Power           | 1.3           | 1.3        | 1.3        | 1.5           | 1.5        | 1.5        | 1.7           | 1.7        | 1.7        |
|                                      | 15 [-9.4]       | Total BTUH [kW] | 12.8 [3.8]    | 12.7 [3.7] | 12.6 [3.7] | 11.4 [3.3]    | 11.4 [3.3] | 11.3 [3.3] | 10.1 [3.0]    | 10.0 [2.9] | 9.9 [2.9]  |
|                                      |                 | Power           | 1.3           | 1.3        | 1.4        | 1.5           | 1.5        | 1.5        | 1.7           | 1.7        | 1.7        |
|                                      | 20 [-6.7]       | Total BTUH [kW] | 14.6 [4.3]    | 14.5 [4.2] | 14.4 [4.2] | 13.3 [3.9]    | 13.2 [3.9] | 13.1 [3.8] | 11.9 [3.5]    | 11.8 [3.5] | 11.8 [3.5] |
|                                      |                 | Power           | 1.4           | 1.4        | 1.4        | 1.5           | 1.6        | 1.6        | 1.7           | 1.7        | 1.8        |
| 25 [-3.9]                            | Total BTUH [kW] | 16.5 [4.8]      | 16.4 [4.8]    | 16.2 [4.7] | 15.1 [4.4] | 15.0 [4.4]    | 14.9 [4.4] | 13.8 [4.0] | 13.7 [4.0]    | 13.6 [4.0] |            |
|                                      | Power           | 1.4             | 1.4           | 1.4        | 1.6        | 1.6           | 1.6        | 1.7        | 1.8           | 1.8        |            |
| 30 [-1.1]                            | Total BTUH [kW] | 18.3 [5.4]      | 18.2 [5.3]    | 18.0 [5.3] | 17.0 [5.0] | 16.8 [4.9]    | 16.7 [4.9] | 15.6 [4.6] | 15.5 [4.5]    | 15.4 [4.5] |            |
|                                      | Power           | 1.4             | 1.4           | 1.4        | 1.6        | 1.6           | 1.6        | 1.8        | 1.8           | 1.8        |            |
| 35 [1.7]                             | Total BTUH [kW] | 20.1 [5.9]      | 20.0 [5.9]    | 19.9 [5.8] | 18.8 [5.5] | 18.7 [5.5]    | 18.5 [5.4] | 17.4 [5.1] | 17.3 [5.1]    | 17.2 [5.0] |            |
|                                      | Power           | 1.4             | 1.5           | 1.5        | 1.6        | 1.6           | 1.7        | 1.8        | 1.8           | 1.8        |            |
| 40 [4.4]                             | Total BTUH [kW] | 22.0 [6.4]      | 21.8 [6.4]    | 21.7 [6.4] | 20.6 [6.0] | 20.5 [6.0]    | 20.3 [5.9] | 19.3 [5.7] | 19.1 [5.6]    | 19.0 [5.6] |            |
|                                      | Power           | 1.5             | 1.5           | 1.5        | 1.6        | 1.7           | 1.7        | 1.8        | 1.9           | 1.9        |            |
| 45 [7.2]                             | Total BTUH [kW] | 23.8 [7.0]      | 23.7 [6.9]    | 23.5 [6.9] | 22.5 [6.6] | 22.3 [6.5]    | 22.1 [6.5] | 21.1 [6.2] | 21.0 [6.2]    | 20.8 [6.1] |            |
|                                      | Power           | 1.5             | 1.5           | 1.5        | 1.7        | 1.7           | 1.7        | 1.9        | 1.9           | 1.9        |            |
| 50 [10]                              | Total BTUH [kW] | 25.7 [7.5]      | 25.5 [7.5]    | 25.3 [7.4] | 24.3 [7.1] | 24.1 [7.1]    | 23.9 [7.0] | 22.9 [6.7] | 22.8 [6.7]    | 22.6 [6.6] |            |
|                                      | Power           | 1.5             | 1.6           | 1.6        | 1.7        | 1.7           | 1.8        | 1.9        | 1.9           | 1.9        |            |

IDB—Indoor air dry bulb

[ ] Designates Metric Conversions

## COOLING PERFORMANCE DATA—RQPL-030

|                                      |                 | ENTERING INDOOR AIR @ 80°F [26.7°C] dbE ① |              |              |               |              |              |               |             |             |             |
|--------------------------------------|-----------------|---|--------------|--------------|---------------|--------------|--------------|---------------|-------------|-------------|-------------|
|                                      |                 | 71°F [21.7°C]                             |              |              | 67°F [19.4°C] |              |              | 63°F [17.2°C] |             |             |             |
|                                      |                 | 1160 [547]                                | 1050 [496]   | 940 [444]    | 1160 [547]    | 1050 [496]   | 940 [444]    | 1160 [547]    | 1050 [496]  | 940 [444]   |             |
|                                      |                 | CFM [L/s]                                 |              |              |               |              |              |               |             |             |             |
|                                      |                 | DR ①                                      | .15          | .13          | .11           | .15          | .13          | .11           | .15         | .13         |             |
| OUTDOOR DRY BULB TEMPERATURE °F [°C] | 75 [23.9]       | Total BTUH [kW]                           | 36.9 [10.81] | 36.2 [10.61] | 35.5 [10.40]  | 34.9 [10.23] | 34.2 [10.02] | 33.6 [9.85]   | 33.5 [9.82] | 32.9 [9.64] | 32.3 [9.47] |
|                                      |                 | Sens BTUH [kW]                            | 23.7 [6.95]  | 22.6 [6.62]  | 21.5 [6.30]   | 26.9 [7.88]  | 25.7 [7.53]  | 24.5 [7.18]   | 28.4 [8.32] | 27.1 [7.94] | 25.8 [7.56] |
|                                      |                 | Power                                     | 1.9          | 1.9          | 1.9           | 1.9          | 1.9          | 1.9           | 1.9         | 1.9         | 1.9         |
|                                      | 80 [26.7]       | Total BTUH [kW]                           | 35.7 [10.46] | 35.1 [10.29] | 34.4 [10.08]  | 33.7 [9.88]  | 33.1 [9.70]  | 32.5 [9.52]   | 32.3 [9.47] | 31.8 [9.32] | 31.2 [9.14] |
|                                      |                 | Sens BTUH [kW]                            | 23.1 [6.77]  | 22.0 [6.45]  | 21.0 [6.15]   | 26.3 [7.71]  | 25.2 [7.39]  | 24.0 [7.03]   | 27.8 [8.15] | 26.5 [7.77] | 25.3 [7.41] |
|                                      |                 | Power                                     | 2.0          | 2.0          | 2.0           | 2.0          | 2.0          | 2.0           | 2.0         | 2.0         | 2.0         |
|                                      | 85 [29.4]       | Total BTUH [kW]                           | 34.6 [10.14] | 33.9 [9.94]  | 33.3 [9.76]   | 32.6 [9.55]  | 32.0 [9.38]  | 31.4 [9.20]   | 31.2 [9.14] | 30.6 [8.97] | 30.1 [8.82] |
|                                      |                 | Sens BTUH [kW]                            | 22.5 [6.59]  | 21.5 [6.30]  | 20.5 [6.01]   | 25.8 [7.56]  | 24.6 [7.21]  | 23.5 [6.89]   | 27.2 [7.97] | 26.0 [7.62] | 24.8 [7.27] |
|                                      |                 | Power                                     | 2.1          | 2.1          | 2.1           | 2.1          | 2.1          | 2.1           | 2.1         | 2.1         | 2.1         |
|                                      | 90 [32.2]       | Total BTUH [kW]                           | 33.4 [9.79]  | 32.8 [9.61]  | 32.2 [9.44]   | 31.4 [9.20]  | 30.9 [9.06]  | 30.3 [8.88]   | 30.1 [8.82] | 29.5 [8.65] | 29.0 [8.50] |
| Sens BTUH [kW]                       |                 | 21.9 [6.42]                               | 20.9 [6.13]  | 20.0 [5.86]  | 25.2 [7.39]   | 24.1 [7.06]  | 23.0 [6.74]  | 26.6 [7.80]   | 25.4 [7.44] | 24.3 [7.12] |             |
| Power                                |                 | 2.2                                       | 2.2          | 2.2          | 2.2           | 2.2          | 2.2          | 2.2           | 2.2         | 2.2         |             |
| 95 [35]                              | Total BTUH [kW] | 32.3 [9.47]                               | 31.7 [9.29]  | 31.1 [9.11]  | 30.3 [8.88]   | 29.8 [8.73]  | 29.2 [8.56]  | 28.9 [8.47]   | 28.4 [8.32] | 27.9 [8.18] |             |
|                                      | Sens BTUH [kW]  | 21.4 [6.27]                               | 20.4 [5.98]  | 19.5 [5.71]  | 24.7 [7.24]   | 23.6 [6.92]  | 22.5 [6.59]  | 26.1 [7.65]   | 24.9 [7.30] | 23.8 [6.98] |             |
|                                      | Power           | 2.3                                       | 2.3          | 2.3          | 2.3           | 2.3          | 2.2          | 2.3           | 2.3         | 2.3         |             |
| 100 [37.8]                           | Total BTUH [kW] | 31.1 [9.11]                               | 30.6 [8.97]  | 30.0 [8.79]  | 29.1 [8.53]   | 28.6 [8.38]  | 28.1 [8.24]  | 27.8 [8.15]   | 27.3 [8.00] | 26.8 [7.85] |             |
|                                      | Sens BTUH [kW]  | 20.8 [6.10]                               | 19.9 [5.83]  | 19.0 [5.57]  | 24.1 [7.06]   | 23.0 [6.74]  | 22.0 [6.45]  | 25.5 [7.47]   | 24.4 [7.15] | 23.3 [6.83] |             |
|                                      | Power           | 2.4                                       | 2.4          | 2.4          | 2.4           | 2.4          | 2.3          | 2.4           | 2.4         | 2.4         |             |
| 105 [40.6]                           | Total BTUH [kW] | 30.0 [8.79]                               | 29.4 [8.62]  | 28.9 [8.47]  | 28.0 [8.21]   | 27.5 [8.06]  | 27.0 [7.91]  | 26.6 [7.80]   | 26.1 [7.65] | 25.6 [7.50] |             |
|                                      | Sens BTUH [kW]  | 20.3 [5.95]                               | 19.4 [5.69]  | 18.5 [5.42]  | 23.6 [6.92]   | 22.5 [6.59]  | 21.5 [6.30]  | 25.0 [7.33]   | 23.9 [7.00] | 22.8 [6.68] |             |
|                                      | Power           | 2.5                                       | 2.5          | 2.5          | 2.5           | 2.5          | 2.4          | 2.5           | 2.5         | 2.5         |             |
| 110 [43.3]                           | Total BTUH [kW] | 28.7 [8.41]                               | 28.2 [8.26]  | 27.7 [8.12]  | 26.7 [7.83]   | 26.2 [7.68]  | 25.8 [7.56]  | 25.4 [7.44]   | 24.9 [7.30] | 24.5 [7.18] |             |
|                                      | Sens BTUH [kW]  | 19.7 [5.77]                               | 18.8 [5.51]  | 18.0 [5.28]  | 23.0 [6.74]   | 22.0 [6.45]  | 21.0 [6.15]  | 24.4 [7.15]   | 23.4 [6.86] | 22.3 [6.54] |             |
|                                      | Power           | 2.6                                       | 2.6          | 2.6          | 2.6           | 2.6          | 2.5          | 2.6           | 2.6         | 2.6         |             |
| 115 [46.1]                           | Total BTUH [kW] | 27.4 [8.03]                               | 26.9 [7.88]  | 26.4 [7.74]  | 25.4 [7.44]   | 25.0 [7.33]  | 24.5 [7.18]  | 24.1 [7.06]   | 23.6 [6.92] | 23.2 [6.80] |             |
|                                      | Sens BTUH [kW]  | 19.2 [5.63]                               | 18.3 [5.36]  | 17.5 [5.13]  | 22.5 [6.59]   | 21.5 [6.30]  | 20.5 [6.01]  | 23.9 [7.00]   | 22.8 [6.68] | 21.8 [6.39] |             |
|                                      | Power           | 2.7                                       | 2.7          | 2.7          | 2.7           | 2.6          | 2.6          | 2.7           | 2.7         | 2.7         |             |

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

Total —Total capacity x 1000 BTUH  
Sens —Sensible capacity x 1000 BTUH  
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  $[1.10 \times \text{CFM} \times (1 - \text{DR}) \times (\text{dbE} - 80)]$ .

## HEATING PERFORMANCE DATA—RQPL-030

|                                      |                 | 60°F [15.5°C]   |             |             | 70°F [21.1°C] |             |             | 80°F [26.7°C] |             |             |             |
|--------------------------------------|-----------------|-----------------|-------------|-------------|---------------|-------------|-------------|---------------|-------------|-------------|-------------|
|                                      |                 | 1160 [547]      | 1050 [496]  | 940 [444]   | 1160 [547]    | 1050 [496]  | 940 [444]   | 1160 [547]    | 1050 [496]  | 940 [444]   |             |
|                                      |                 | CFM [L/s]       |             |             |               |             |             |               |             |             |             |
| OUTDOOR DRY BULB TEMPERATURE °F [°C] | 0 [-17.8]       | Total BTUH [kW] | 9.5 [2.78]  | 9.5 [2.78]  | 9.4 [2.75]    | 8.0 [2.34]  | 7.9 [2.32]  | 7.9 [2.32]    | 6.6 [1.93]  | 6.5 [1.90]  | 6.5 [1.90]  |
|                                      |                 | Power           | 1.6         | 1.6         | 1.6           | 1.8         | 1.8         | 1.8           | 2.0         | 2.0         | 2.1         |
|                                      | 5 [-15]         | Total BTUH [kW] | 11.5 [3.37] | 11.4 [3.34] | 11.3 [3.31]   | 19.9 [2.90] | 19.8 [2.87] | 19.8 [2.87]   | 18.5 [2.49] | 18.4 [2.46] | 18.4 [2.46] |
|                                      |                 | Power           | 1.6         | 1.6         | 1.6           | 1.8         | 1.8         | 1.9           | 2.0         | 2.1         | 2.1         |
|                                      | 10 [-12.2]      | Total BTUH [kW] | 13.4 [3.93] | 13.3 [3.90] | 13.2 [3.87]   | 11.8 [3.46] | 11.8 [3.46] | 11.7 [3.43]   | 10.4 [3.05] | 10.3 [3.02] | 10.3 [3.02] |
|                                      |                 | Power           | 1.6         | 1.7         | 1.7           | 1.9         | 1.9         | 1.9           | 2.1         | 2.1         | 2.1         |
|                                      | 15 [-9.4]       | Total BTUH [kW] | 15.3 [4.48] | 15.2 [4.45] | 15.1 [4.43]   | 13.8 [4.04] | 13.7 [4.02] | 13.6 [3.99]   | 12.3 [3.60] | 12.3 [3.60] | 12.2 [3.58] |
|                                      |                 | Power           | 1.7         | 1.7         | 1.7           | 1.9         | 1.9         | 1.9           | 2.1         | 2.1         | 2.2         |
|                                      | 20 [-6.7]       | Total BTUH [kW] | 17.2 [5.04] | 17.1 [5.01] | 17.0 [4.98]   | 15.7 [4.60] | 15.6 [4.57] | 15.5 [4.54]   | 14.3 [4.19] | 14.2 [4.16] | 14.1 [4.13] |
|                                      |                 | Power           | 1.7         | 1.7         | 1.7           | 1.9         | 1.9         | 2.0           | 2.1         | 2.2         | 2.2         |
| 25 [-3.9]                            | Total BTUH [kW] | 19.2 [5.63]     | 19.0 [5.57] | 18.9 [5.54] | 17.6 [5.16]   | 17.5 [5.13] | 17.4 [5.10] | 16.2 [4.75]   | 16.1 [4.72] | 16.0 [4.69] |             |
|                                      | Power           | 1.7             | 1.8         | 1.8         | 1.9           | 2.0         | 2.0         | 2.2           | 2.2         | 2.2         |             |
| 30 [-1.1]                            | Total BTUH [kW] | 21.1 [6.18]     | 20.9 [6.13] | 20.8 [6.10] | 19.5 [5.71]   | 19.4 [5.69] | 19.3 [5.66] | 18.1 [5.30]   | 18.0 [5.28] | 17.9 [5.25] |             |
|                                      | Power           | 1.8             | 1.8         | 1.8         | 2.0           | 2.0         | 2.0         | 2.2           | 2.2         | 2.3         |             |
| 35 [1.7]                             | Total BTUH [kW] | 23.0 [6.74]     | 22.8 [6.68] | 22.7 [6.65] | 21.5 [6.30]   | 21.3 [6.24] | 21.2 [6.21] | 20.0 [5.86]   | 19.9 [5.83] | 19.7 [5.77] |             |
|                                      | Power           | 1.8             | 1.8         | 1.8         | 2.0           | 2.0         | 2.1         | 2.2           | 2.3         | 2.3         |             |
| 40 [4.4]                             | Total BTUH [kW] | 24.9 [7.30]     | 24.8 [7.27] | 24.6 [7.21] | 23.4 [6.86]   | 23.2 [6.80] | 23.0 [6.74] | 22.0 [6.45]   | 21.8 [6.39] | 21.6 [6.33] |             |
|                                      | Power           | 1.8             | 1.8         | 1.9         | 2.0           | 2.1         | 2.1         | 2.3           | 2.3         | 2.3         |             |
| 45 [7.2]                             | Total BTUH [kW] | 26.9 [7.88]     | 26.7 [7.83] | 26.5 [7.77] | 25.3 [7.41]   | 25.1 [7.36] | 24.9 [7.30] | 23.9 [7.00]   | 23.7 [6.95] | 23.5 [6.89] |             |
|                                      | Power           | 1.9             | 1.9         | 1.9         | 2.1           | 2.1         | 2.1         | 2.3           | 2.3         | 2.4         |             |
| 50 [10]                              | Total BTUH [kW] | 28.8 [8.44]     | 28.6 [8.38] | 28.4 [8.32] | 27.2 [7.97]   | 27.0 [7.91] | 26.8 [7.85] | 25.8 [7.56]   | 25.6 [7.50] | 25.4 [7.44] |             |
|                                      | Power           | 1.9             | 1.9         | 1.9         | 2.1           | 2.1         | 2.2         | 2.3           | 2.4         | 2.4         |             |

IDB—Indoor air dry bulb

[ ] Designates Metric Conversions

## COOLING PERFORMANCE DATA—RQPL-036

| 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]   |                 |                 | 1380 [651]    | 1250 [590]   | 1120 [528]   | 1380 [651]    | 1250 [590]   | 1120 [528]   | 1380 [651]    | 1250 [590]   | 1120 [528]   |
| DR ①  |                 |                 | .21           | .19          | .17          | .21           | .19          | .17          | .21           | .19          | .17          |
| OUTDOOR<br>DRY<br>BULB<br>TEMPERATURE<br>°F<br>[°C] | 75<br>[23.9]    | Total BTUH [kW] | 45.0 [13.19]  | 44.2 [12.95] | 43.4 [12.72] | 42.9 [12.57]  | 42.2 [12.37] | 41.4 [12.13] | 41.8 [12.25]  | 41.0 [12.02] | 40.3 [11.81] |
|   |                 | Sens BTUH [kW]  | 27.7 [8.12]   | 26.5 [7.77]  | 25.3 [7.41]  | 31.8 [9.32]   | 30.4 [8.91]  | 28.9 [8.47]  | 34.2 [10.02]  | 32.6 [9.55]  | 31.1 [9.11]  |
|   |                 | Power           | 2.3           | 2.2          | 2.2          | 2.2           | 2.2          | 2.2          | 2.2           | 2.2          | 2.2          |
|   | 80<br>[26.7]    | Total BTUH [kW] | 43.9 [12.87]  | 43.1 [12.63] | 42.3 [12.40] | 41.8 [12.25]  | 41.1 [12.05] | 40.3 [11.81] | 40.7 [11.93]  | 39.9 [11.69] | 39.2 [11.49] |
|   |                 | Sens BTUH [kW]  | 27.1 [7.94]   | 25.9 [7.59]  | 24.7 [7.24]  | 31.2 [9.14]   | 29.8 [8.73]  | 28.4 [8.32]  | 33.5 [9.82]   | 32.0 [9.38]  | 30.5 [8.94]  |
|   |                 | Power           | 2.4           | 2.4          | 2.4          | 2.4           | 2.4          | 2.3          | 2.4           | 2.3          | 2.3          |
|   | 85<br>[29.4]    | Total BTUH [kW] | 42.6 [12.48]  | 41.8 [12.25] | 41.0 [12.02] | 40.5 [11.87]  | 39.8 [11.66] | 39.1 [11.46] | 39.4 [11.55]  | 38.7 [11.34] | 37.9 [11.11] |
|   |                 | Sens BTUH [kW]  | 26.5 [7.77]   | 25.3 [7.41]  | 24.1 [7.06]  | 30.5 [8.94]   | 29.1 [8.53]  | 27.8 [8.15]  | 32.9 [9.64]   | 31.4 [9.20]  | 29.9 [8.76]  |
|   |                 | Power           | 2.5           | 2.5          | 2.5          | 2.5           | 2.5          | 2.5          | 2.5           | 2.5          | 2.5          |
|   | 90<br>[32.2]    | Total BTUH [kW] | 41.1 [12.05]  | 40.3 [11.81] | 39.6 [11.61] | 39.0 [11.43]  | 38.3 [11.22] | 37.6 [11.02] | 37.9 [11.11]  | 37.2 [10.90] | 36.5 [10.70] |
| Sens BTUH [kW]                                      |                 | 25.7 [7.53]     | 24.6 [7.21]   | 23.5 [6.89]  | 29.8 [8.73]  | 28.5 [8.35]   | 27.1 [7.94]  | 32.2 [9.44]  | 30.7 [9.00]   | 29.3 [8.59]  |              |
| Power   |                 | 2.7             | 2.7           | 2.6          | 2.7          | 2.6           | 2.6          | 2.6          | 2.6           | 2.6          |              |
| 95<br>[35]  | Total BTUH [kW] | 39.5 [11.58]    | 38.8 [11.37]  | 38.1 [11.17] | 37.4 [10.96] | 36.8 [10.79]  | 36.1 [10.58] | 36.3 [10.64] | 35.6 [10.43]  | 35.0 [10.26] |              |
|   | Sens BTUH [kW]  | 25.0 [7.33]     | 23.9 [7.00]   | 22.8 [6.68]  | 29.1 [8.53]  | 27.8 [8.15]   | 26.5 [7.77]  | 31.4 [9.20]  | 30.0 [8.79]   | 28.6 [8.38]  |              |
|   | Power           | 2.8             | 2.8           | 2.8          | 2.8          | 2.8           | 2.8          | 2.8          | 2.8           | 2.7          |              |
| 100<br>[37.8]                                       | Total BTUH [kW] | 37.8 [11.08]    | 37.1 [10.87]  | 36.5 [10.70] | 35.8 [10.49] | 35.1 [10.29]  | 34.5 [10.11] | 34.6 [10.14] | 34.0 [9.96]   | 33.4 [9.79]  |              |
|   | Sens BTUH [kW]  | 24.2 [7.09]     | 23.2 [6.80]   | 22.1 [6.48]  | 28.3 [8.29]  | 27.0 [7.91]   | 25.8 [7.56]  | 30.7 [9.00]  | 29.3 [8.59]   | 27.9 [8.18]  |              |
|   | Power           | 3.0             | 2.9           | 2.9          | 2.9          | 2.9           | 2.9          | 2.9          | 2.9           | 2.9          |              |
| 105<br>[40.6]                                       | Total BTUH [kW] | 36.1 [10.58]    | 35.5 [10.40]  | 34.8 [10.20] | 34.1 [9.99]  | 33.5 [9.82]   | 32.8 [9.61]  | 32.9 [9.64]  | 32.3 [9.47]   | 31.7 [9.29]  |              |
|   | Sens BTUH [kW]  | 23.4 [6.86]     | 22.4 [6.56]   | 21.3 [6.24]  | 27.5 [8.06]  | 26.3 [7.71]   | 25.0 [7.33]  | 29.9 [8.76]  | 28.5 [8.35]   | 27.2 [7.97]  |              |
|   | Power           | 3.1             | 3.1           | 3.1          | 3.1          | 3.1           | 3.0          | 3.1          | 3.0           | 3.0          |              |
| 110<br>[43.3]                                       | Total BTUH [kW] | 34.4 [10.08]    | 33.8 [9.91]   | 33.2 [9.73]  | 32.4 [9.50]  | 31.8 [9.32]   | 31.2 [9.14]  | 31.2 [9.14]  | 30.7 [9.00]   | 30.1 [8.82]  |              |
|   | Sens BTUH [kW]  | 22.6 [6.62]     | 21.6 [6.33]   | 20.6 [6.04]  | 26.7 [7.83]  | 25.5 [7.47]   | 24.3 [7.12]  | 29.0 [8.50]  | 27.7 [8.12]   | 26.4 [7.74]  |              |
|   | Power           | 3.3             | 3.2           | 3.2          | 3.2          | 3.2           | 3.2          | 3.2          | 3.2           | 3.2          |              |
| 115<br>[46.1]                                       | Total BTUH [kW] | 32.8 [9.61]     | 32.2 [9.44]   | 31.7 [9.29]  | 30.8 [9.03]  | 30.2 [8.85]   | 29.7 [8.70]  | 29.6 [8.67]  | 29.1 [8.53]   | 28.6 [8.38]  |              |
|   | Sens BTUH [kW]  | 21.8 [6.39]     | 20.8 [6.10]   | 19.8 [5.80]  | 25.8 [7.56]  | 24.7 [7.24]   | 23.5 [6.89]  | 28.2 [8.26]  | 26.9 [7.88]   | 25.7 [7.53]  |              |
|   | Power           | 3.4             | 3.4           | 3.3          | 3.4          | 3.3           | 3.3          | 3.4          | 3.3           | 3.3          |              |

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

Total —Total capacity x 1000 BTUH  
Sens —Sensible capacity x 1000 BTUH  
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)].

## HEATING PERFORMANCE DATA—RQPL-036

| ENTERING INDOOR AIR @ 80°F [26.7°C] dbE ①           |                 |                 |               |              |             |               |             |             |               |             |             |
|---|-----------------|-----------------|---------------|--------------|-------------|---------------|-------------|-------------|---------------|-------------|-------------|
| IDB   |                 |                 | 60°F [15.5°C] |              |             | 70°F [21.1°C] |             |             | 80°F [26.7°C] |             |             |
| CFM [L/s]   |                 |                 | 1380 [651]    | 1250 [590]   | 1120 [528]  | 1380 [651]    | 1250 [590]  | 1120 [528]  | 1380 [651]    | 1250 [590]  | 1120 [528]  |
| OUTDOOR<br>DRY<br>BULB<br>TEMPERATURE<br>°F<br>[°C] | 0<br>[-17.8]    | Total BTUH [kW] | 11.7 [3.43]   | 11.6 [3.40]  | 11.5 [3.37] | 9.6 [2.81]    | 9.6 [2.81]  | 9.5 [2.78]  | 8.3 [2.43]    | 8.2 [2.40]  | 8.1 [2.37]  |
|   |                 | Power           | 1.8           | 1.9          | 1.9         | 2.1           | 2.1         | 2.1         | 2.4           | 2.4         | 2.4         |
|   | 5<br>[-15]      | Total BTUH [kW] | 14.1 [4.13]   | 14.0 [4.10]  | 13.9 [4.07] | 12.1 [3.55]   | 12.0 [3.52] | 11.9 [3.49] | 10.7 [3.14]   | 10.6 [3.11] | 10.6 [3.11] |
|   |                 | Power           | 1.9           | 1.9          | 1.9         | 2.1           | 2.2         | 2.2         | 2.4           | 2.5         | 2.5         |
|   | 10<br>[-12.2]   | Total BTUH [kW] | 16.6 [4.86]   | 16.5 [4.84]  | 16.3 [4.78] | 14.5 [4.25]   | 14.4 [4.22] | 14.3 [4.19] | 13.2 [3.87]   | 13.1 [3.84] | 13.0 [3.81] |
|   |                 | Power           | 1.9           | 1.9          | 2.0         | 2.2           | 2.2         | 2.2         | 2.5           | 2.5         | 2.5         |
|   | 15<br>[-9.4]    | Total BTUH [kW] | 19.0 [5.57]   | 18.9 [5.54]  | 18.8 [5.51] | 17.0 [4.98]   | 16.9 [4.95] | 16.7 [4.89] | 15.6 [4.57]   | 15.5 [4.54] | 15.4 [4.51] |
|   |                 | Power           | 2.0           | 2.0          | 2.0         | 2.2           | 2.2         | 2.3         | 2.5           | 2.5         | 2.6         |
|   | 20<br>[-6.7]    | Total BTUH [kW] | 21.5 [6.30]   | 21.3 [6.24]  | 21.2 [6.21] | 19.4 [5.69]   | 19.3 [5.66] | 19.2 [5.63] | 18.1 [5.30]   | 17.9 [5.25] | 17.8 [5.22] |
|   |                 | Power           | 2.0           | 2.0          | 2.1         | 2.3           | 2.3         | 2.3         | 2.5           | 2.6         | 2.6         |
| 25<br>[-3.9]  | Total BTUH [kW] | 23.9 [7.00]     | 23.8 [6.98]   | 23.6 [6.92]  | 21.9 [6.42] | 21.7 [6.36]   | 21.6 [6.33] | 20.5 [6.01] | 20.4 [5.98]   | 20.2 [5.92] |             |
|   | Power           | 2.0             | 2.1           | 2.1          | 2.3         | 2.3           | 2.4         | 2.6         | 2.6           | 2.7         |             |
| 30<br>[-1.1]  | Total BTUH [kW] | 26.4 [7.74]     | 26.2 [7.68]   | 26.0 [7.62]  | 24.3 [7.12] | 24.2 [7.09]   | 24.0 [7.03] | 23.0 [6.74] | 22.8 [6.68]   | 22.6 [6.62] |             |
|   | Power           | 2.1             | 2.1           | 2.1          | 2.3         | 2.4           | 2.4         | 2.6         | 2.7           | 2.7         |             |
| 35<br>[1.7]   | Total BTUH [kW] | 28.8 [8.44]     | 28.6 [8.38]   | 28.4 [8.32]  | 26.8 [7.85] | 26.6 [7.80]   | 26.4 [7.74] | 25.4 [7.44] | 25.2 [7.39]   | 25.1 [7.36] |             |
|   | Power           | 2.1             | 2.1           | 2.2          | 2.4         | 2.4           | 2.4         | 2.7         | 2.7           | 2.7         |             |
| 40<br>[4.4]   | Total BTUH [kW] | 31.3 [9.17]     | 31.1 [9.11]   | 30.8 [9.03]  | 29.2 [8.56] | 29.0 [8.50]   | 28.8 [8.44] | 27.9 [8.18] | 27.7 [8.12]   | 27.5 [8.06] |             |
|   | Power           | 2.2             | 2.2           | 2.2          | 2.4         | 2.4           | 2.5         | 2.7         | 2.7           | 2.8         |             |
| 45<br>[7.2]   | Total BTUH [kW] | 33.7 [9.88]     | 33.5 [9.82]   | 33.3 [9.76]  | 31.7 [9.29] | 31.5 [9.23]   | 31.2 [9.14] | 30.3 [8.88] | 30.1 [8.82]   | 29.9 [8.76] |             |
|   | Power           | 2.2             | 2.2           | 2.3          | 2.5         | 2.5           | 2.5         | 2.8         | 2.8           | 2.8         |             |
| 50<br>[10]  | Total BTUH [kW] | 36.2 [10.61]    | 35.9 [10.52]  | 35.7 [10.46] | 34.1 [9.99] | 33.9 [9.94]   | 33.7 [9.88] | 32.8 [9.61] | 32.5 [9.52]   | 32.3 [9.47] |             |
|   | Power           | 2.2             | 2.3           | 2.3          | 2.5         | 2.5           | 2.6         | 2.8         | 2.8           | 2.9         |             |

IDB—Indoor air dry bulb

[ ] Designates Metric Conversions



## COOLING PERFORMANCE DATA—RQPL-042

|   |               | ENTERING INDOOR AIR @ 80°F [26.7°C] dbE ①  |                                    |                                    |                                    |                                     |                                     |                                    |                                     |                                     |                                     |
|---|---------------|--|------------------------------------|------------------------------------|------------------------------------|-------------------------------------|-------------------------------------|------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
|   |               | 71°F [21.7°C]                              |                                    |                                    | 67°F [19.4°C]                      |                                     |                                     | 63°F [17.2°C]                      |                                     |                                     |                                     |
| wbE   |               | 1540 [727]                                 | 1400 [661]                         | 1260 [595]                         | 1540 [727]                         | 1400 [661]                          | 1260 [595]                          | 1540 [727]                         | 1400 [661]                          | 1260 [595]                          |                                     |
| CFM [L/s]   |               | 1540 [727]                                 | 1400 [661]                         | 1260 [595]                         | 1540 [727]                         | 1400 [661]                          | 1260 [595]                          | 1540 [727]                         | 1400 [661]                          | 1260 [595]                          |                                     |
| DR ①  |               | .17  | .15                                | .14                                | .17                                | .15                                 | .14                                 | .17                                | .15                                 | .14                                 |                                     |
| OUTDOOR<br>DRY<br>BULB<br>TEMPERATURE<br>°F<br>[°C] | 75<br>[23.9]  | Total BTUH [kW]<br>Sens BTUH [kW]<br>Power | 53.9 [5.80]<br>32.2 [9.44]<br>2.9  | 52.9 [15.50]<br>30.7 [9.00]<br>2.9 | 51.9 [15.21]<br>29.3 [8.59]<br>2.9 | 50.9 [14.92]<br>37.1 [10.87]<br>2.9 | 50.0 [14.65]<br>35.5 [10.40]<br>2.9 | 49.1 [14.39]<br>33.8 [9.91]<br>2.9 | 48.1 [14.10]<br>39.3 [11.52]<br>2.9 | 47.3 [13.86]<br>37.5 [10.99]<br>2.9 | 46.4 [13.60]<br>35.8 [10.49]<br>2.9 |
|   | 80<br>[26.7]  | Total BTUH [kW]<br>Sens BTUH [kW]<br>Power | 52.0 [15.24]<br>31.3 [9.17]<br>3.1 | 51.0 [14.95]<br>29.9 [8.76]<br>3.1 | 50.1 [14.68]<br>28.5 [8.35]<br>3.1 | 49.0 [14.36]<br>36.3 [10.64]<br>3.1 | 48.1 [14.10]<br>34.7 [10.17]<br>3.1 | 47.2 [13.83]<br>33.0 [9.67]<br>3.0 | 46.2 [13.54]<br>38.4 [11.25]<br>3.1 | 45.4 [13.31]<br>36.7 [10.76]<br>3.1 | 44.6 [13.07]<br>35.0 [10.26]<br>3.0 |
|   | 85<br>[29.4]  | Total BTUH [kW]<br>Sens BTUH [kW]<br>Power | 50.3 [14.74]<br>30.5 [8.94]<br>3.3 | 49.4 [14.48]<br>29.2 [8.56]<br>3.2 | 48.5 [14.21]<br>27.8 [8.15]<br>3.2 | 47.3 [13.86]<br>35.5 [10.40]<br>3.3 | 46.5 [13.63]<br>33.9 [9.94]<br>3.2  | 45.6 [13.36]<br>32.3 [9.47]<br>3.2 | 44.6 [13.07]<br>37.6 [11.02]<br>3.2 | 43.8 [12.84]<br>35.9 [10.52]<br>3.2 | 43.0 [12.60]<br>34.3 [10.05]<br>3.2 |
|   | 90<br>[32.2]  | Total BTUH [kW]<br>Sens BTUH [kW]<br>Power | 48.7 [14.27]<br>29.8 [8.73]<br>3.4 | 47.9 [14.04]<br>28.4 [8.32]<br>3.4 | 47.0 [13.77]<br>27.1 [7.94]<br>3.4 | 45.8 [13.42]<br>34.7 [10.17]<br>3.4 | 44.9 [13.16]<br>33.2 [9.73]<br>3.4  | 44.1 [12.92]<br>31.6 [9.26]<br>3.4 | 43.0 [12.60]<br>36.8 [10.79]<br>3.4 | 42.2 [12.37]<br>35.2 [10.32]<br>3.4 | 41.5 [12.16]<br>33.6 [9.85]<br>3.4  |
|   | 95<br>[35]    | Total BTUH [kW]<br>Sens BTUH [kW]<br>Power | 47.2 [13.83]<br>29.0 [8.50]<br>3.6 | 46.4 [13.60]<br>27.7 [8.12]<br>3.6 | 45.5 [13.33]<br>26.4 [7.74]<br>3.5 | 44.2 [12.95]<br>34.0 [9.96]<br>3.6  | 43.4 [12.72]<br>32.4 [9.50]<br>3.6  | 42.7 [12.51]<br>30.9 [9.06]<br>3.5 | 41.5 [12.16]<br>36.1 [10.58]<br>3.6 | 40.7 [11.93]<br>34.5 [10.11]<br>3.6 | 40.0 [11.72]<br>32.9 [9.64]<br>3.5  |
|   | 100<br>[37.8] | Total BTUH [kW]<br>Sens BTUH [kW]<br>Power | 45.6 [13.36]<br>28.2 [8.26]<br>3.8 | 44.8 [13.13]<br>26.9 [7.88]<br>3.7 | 44.0 [12.90]<br>25.7 [7.53]<br>3.7 | 42.6 [12.48]<br>33.2 [9.73]<br>3.8  | 41.9 [12.28]<br>31.7 [9.29]<br>3.7  | 41.1 [12.05]<br>30.2 [8.85]<br>3.7 | 39.9 [11.69]<br>35.3 [10.35]<br>3.7 | 39.2 [11.49]<br>33.7 [9.88]<br>3.7  | 38.5 [11.28]<br>32.1 [9.41]<br>3.7  |
|   | 105<br>[40.6] | Total BTUH [kW]<br>Sens BTUH [kW]<br>Power | 43.8 [12.84]<br>27.4 [8.03]<br>3.9 | 43.0 [12.60]<br>26.1 [7.65]<br>3.9 | 42.3 [12.40]<br>24.9 [7.30]<br>3.9 | 40.8 [11.96]<br>32.3 [9.47]<br>3.9  | 40.1 [11.75]<br>30.9 [9.06]<br>3.9  | 39.4 [11.55]<br>29.4 [8.62]<br>3.9 | 38.1 [11.17]<br>34.4 [10.08]<br>3.9 | 37.4 [10.96]<br>32.9 [9.64]<br>3.9  | 36.7 [10.76]<br>31.4 [9.20]<br>3.9  |
|   | 110<br>[43.3] | Total BTUH [kW]<br>Sens BTUH [kW]<br>Power | 41.7 [12.22]<br>26.4 [7.74]<br>4.1 | 41.0 [12.02]<br>25.2 [7.39]<br>4.1 | 40.2 [11.78]<br>24.1 [7.06]<br>4.0 | 38.8 [11.37]<br>31.4 [9.20]<br>4.1  | 38.1 [11.17]<br>30.0 [8.79]<br>4.1  | 37.4 [10.96]<br>28.6 [8.38]<br>4.0 | 36.0 [10.55]<br>33.5 [9.82]<br>4.1  | 35.4 [10.37]<br>32.0 [9.38]<br>4.1  | 34.7 [10.17]<br>30.5 [8.94]<br>4.0  |
|   | 115<br>[46.1] | Total BTUH [kW]<br>Sens BTUH [kW]<br>Power | 39.3 [11.52]<br>25.4 [7.44]<br>4.3 | 38.6 [11.31]<br>24.2 [7.09]<br>4.2 | 37.9 [11.11]<br>23.1 [6.77]<br>4.2 | 36.3 [10.64]<br>30.3 [8.88]<br>4.3  | 35.6 [10.43]<br>29.0 [8.50]<br>4.2  | 35.0 [10.26]<br>27.6 [8.09]<br>4.2 | 33.5 [9.82]<br>32.4 [9.50]<br>4.3   | 32.9 [9.64]<br>31.0 [9.09]<br>4.2   | 32.3 [9.47]<br>29.5 [8.65]<br>4.2   |

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

Total —Total capacity x 1000 BTUH  
Sens —Sensible capacity x 1000 BTUH  
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  $[1.10 \times \text{CFM} \times (1 - \text{DR}) \times (\text{dbE} - 80)]$ .

## HEATING PERFORMANCE DATA—RQPL-042

|   |                          | 60°F [15.5°C]            |                     |                     | 70°F [21.1°C]       |                     |                     | 80°F [26.7°C]       |                     |                     |                     |
|---|--------------------------|--------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| IDB   |                          | 1540 [727]               | 1400 [661]          | 1260 [595]          | 1540 [727]          | 1400 [661]          | 1260 [595]          | 1540 [727]          | 1400 [661]          | 1260 [595]          |                     |
| CFM [L/s]   |                          | 1540 [727]               | 1400 [661]          | 1260 [595]          | 1540 [727]          | 1400 [661]          | 1260 [595]          | 1540 [727]          | 1400 [661]          | 1260 [595]          |                     |
| OUTDOOR<br>DRY<br>BULB<br>TEMPERATURE<br>°F<br>[°C] | 0<br>[-17.8]             | Total BTUH [kW]<br>Power | 13.9 [4.07]<br>2.6  | 13.8 [4.04]<br>2.6  | 13.7 [4.02]<br>2.6  | 12.9 [3.78]<br>3.0  | 12.8 [3.75]<br>3.0  | 12.8 [3.75]<br>3.1  | 11.2 [3.28]<br>3.3  | 11.1 [3.25]<br>3.4  | 11.1 [3.25]<br>3.4  |
|   | 5<br>[-15]               | Total BTUH [kW]<br>Power | 16.9 [4.95]<br>2.6  | 16.8 [4.92]<br>2.6  | 16.7 [4.89]<br>2.7  | 16.0 [4.69]<br>3.0  | 15.8 [4.63]<br>3.1  | 15.7 [4.60]<br>3.1  | 14.2 [4.16]<br>3.4  | 14.1 [4.13]<br>3.4  | 14.0 [4.10]<br>3.5  |
|   | 10<br>[-12.2]            | Total BTUH [kW]<br>Power | 20.0 [5.86]<br>2.6  | 19.8 [5.80]<br>2.7  | 19.7 [5.77]<br>2.7  | 19.0 [5.57]<br>3.1  | 18.8 [5.51]<br>3.1  | 18.7 [5.48]<br>3.1  | 17.3 [5.07]<br>3.4  | 17.1 [5.01]<br>3.5  | 17.0 [4.98]<br>3.5  |
|   | 15<br>[-9.4]             | Total BTUH [kW]<br>Power | 23.0 [6.74]<br>2.7  | 22.8 [6.68]<br>2.7  | 22.6 [6.62]<br>2.7  | 22.0 [6.45]<br>3.1  | 21.8 [6.39]<br>3.1  | 21.7 [6.36]<br>3.2  | 20.3 [5.95]<br>3.5  | 20.1 [5.89]<br>3.5  | 20.0 [5.86]<br>3.5  |
|   | 20<br>[-6.7]             | Total BTUH [kW]<br>Power | 26.0 [7.62]<br>2.7  | 25.8 [7.56]<br>2.7  | 25.6 [7.50]<br>2.8  | 25.0 [7.33]<br>3.1  | 24.8 [7.27]<br>3.2  | 24.7 [7.24]<br>3.2  | 23.3 [6.83]<br>3.5  | 23.1 [6.77]<br>3.5  | 23.0 [6.74]<br>3.6  |
|   | 25<br>[-3.9]             | Total BTUH [kW]<br>Power | 29.0 [8.50]<br>2.8  | 28.8 [8.44]<br>2.8  | 28.6 [8.38]<br>2.8  | 28.0 [8.21]<br>3.2  | 27.8 [8.15]<br>3.2  | 27.6 [8.09]<br>3.3  | 26.3 [7.71]<br>3.5  | 26.1 [7.65]<br>3.6  | 25.9 [7.59]<br>3.6  |
|   | 30<br>[-1.1]             | Total BTUH [kW]<br>Power | 32.0 [9.38]<br>2.8  | 31.8 [9.32]<br>2.8  | 31.6 [9.26]<br>2.9  | 31.1 [9.11]<br>3.2  | 30.8 [9.03]<br>3.2  | 30.6 [8.97]<br>3.3  | 29.3 [8.59]<br>3.6  | 29.1 [8.53]<br>3.6  | 28.9 [8.47]<br>3.7  |
|   | 35<br>[1.7]              | Total BTUH [kW]<br>Power | 35.1 [10.29]<br>2.8 | 34.8 [10.20]<br>2.9 | 34.6 [10.14]<br>2.9 | 34.1 [9.99]<br>3.2  | 33.8 [9.91]<br>3.3  | 33.6 [9.85]<br>3.3  | 32.4 [9.50]<br>3.6  | 32.1 [9.41]<br>3.6  | 31.9 [9.35]<br>3.7  |
|   | 40<br>[4.4]              | Total BTUH [kW]<br>Power | 38.1 [11.17]<br>2.9 | 37.8 [11.08]<br>2.9 | 37.5 [10.99]<br>2.9 | 37.1 [10.87]<br>3.3 | 36.8 [10.79]<br>3.3 | 36.6 [10.73]<br>3.4 | 35.4 [10.37]<br>3.6 | 35.1 [10.29]<br>3.7 | 34.9 [10.23]<br>3.7 |
|   | 45<br>[7.2]              | Total BTUH [kW]<br>Power | 41.1 [12.05]<br>2.9 | 40.8 [11.96]<br>2.9 | 40.5 [11.87]<br>3.0 | 40.1 [11.75]<br>3.3 | 39.8 [11.66]<br>3.4 | 39.5 [11.58]<br>3.4 | 38.4 [11.25]<br>3.7 | 38.1 [11.17]<br>3.7 | 37.9 [11.11]<br>3.8 |
| 50<br>[10]  | Total BTUH [kW]<br>Power | 44.1 [12.92]<br>2.9      | 43.8 [12.84]<br>3.0 | 43.5 [12.75]<br>3.0 | 43.1 [12.63]<br>3.4 | 42.8 [12.54]<br>3.4 | 42.5 [12.46]<br>3.4 | 41.4 [12.13]<br>3.7 | 41.1 [12.05]<br>3.8 | 40.8 [11.96]<br>3.8 |                     |

IDB—Indoor air dry bulb

[ ] Designates Metric Conversions

## COOLING PERFORMANCE DATA—RQPL-048

| 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]                                 |                 |                 | 1760 [831]    | 1600 [755]   | 1440 [680]   | 1760 [831]    | 1600 [755]   | 1440 [680]   | 1760 [831]    | 1600 [755]   | 1440 [680]   |
| DR ①                                      |                 |                 | .15           | .13          | .11          | .15           | .13          | .11          | .15           | .13          | .11          |
| OUTDOOR DRY BULB TEMPERATURE °F [°C]      | 75 [23.9]       | Total BTUH [kW] | 60.4 [17.70]  | 59.3 [17.38] | 58.3 [17.09] | 57.1 [16.73]  | 56.1 [16.44] | 55.0 [16.12] | 54.5 [15.97]  | 53.5 [15.68] | 52.5 [15.39] |
|   |                 | Sens BTUH [kW]  | 37.4 [10.96]  | 35.7 [10.46] | 34.1 [9.99]  | 42.7 [12.51]  | 40.8 [11.96] | 38.9 [11.40] | 45.0 [13.19]  | 43.0 [12.60] | 41.0 [12.02] |
|   |                 | Power           | 3.2           | 3.1          | 3.1          | 3.1           | 3.1          | 3.1          | 3.1           | 3.1          | 3.1          |
|   | 80 [26.7]       | Total BTUH [kW] | 58.8 [17.23]  | 57.8 [16.94] | 56.7 [16.62] | 55.5 [16.27]  | 54.5 [15.97] | 53.5 [15.68] | 52.9 [15.50]  | 51.9 [15.21] | 51.0 [14.95] |
|   |                 | Sens BTUH [kW]  | 36.6 [10.73]  | 35.0 [10.26] | 33.3 [9.76]  | 41.9 [12.28]  | 40.0 [11.72] | 38.2 [11.20] | 44.2 [12.95]  | 42.2 [12.37] | 40.3 [11.81] |
|   |                 | Power           | 3.4           | 3.3          | 3.3          | 3.3           | 3.3          | 3.3          | 3.3           | 3.3          | 3.2          |
|   | 85 [29.4]       | Total BTUH [kW] | 57.0 [16.71]  | 56.0 [16.41] | 55.0 [16.12] | 53.7 [15.74]  | 52.7 [15.44] | 51.8 [15.18] | 51.1 [14.98]  | 50.2 [14.71] | 49.3 [14.45] |
|   |                 | Sens BTUH [kW]  | 35.7 [10.46]  | 34.1 [9.99]  | 32.5 [9.52]  | 41.0 [12.02]  | 39.2 [11.49] | 37.3 [10.93] | 43.3 [12.69]  | 41.4 [12.13] | 39.4 [11.55] |
|   |                 | Power           | 3.5           | 3.5          | 3.5          | 3.5           | 3.5          | 3.5          | 3.5           | 3.5          | 3.4          |
|   | 90 [32.2]       | Total BTUH [kW] | 55.1 [16.15]  | 54.1 [15.86] | 53.1 [15.56] | 51.7 [15.15]  | 50.8 [14.89] | 49.9 [14.62] | 49.1 [14.39]  | 48.3 [14.16] | 47.4 [13.89] |
| Sens BTUH [kW]                            |                 | 34.8 [10.20]    | 33.2 [9.73]   | 31.7 [9.29]  | 40.1 [11.75] | 38.3 [11.22]  | 36.5 [10.70] | 42.4 [12.43] | 40.5 [11.87]  | 38.6 [11.31] |              |
| Power                                     |                 | 3.7             | 3.7           | 3.7          | 3.7          | 3.7           | 3.6          | 3.7          | 3.6           | 3.6          |              |
| 95 [35]                                   | Total BTUH [kW] | 53.1 [15.56]    | 52.1 [15.27]  | 51.2 [15.01] | 49.8 [14.59] | 48.9 [14.33]  | 48.0 [14.07] | 47.2 [13.83] | 46.3 [13.57]  | 45.5 [13.33] |              |
|   | Sens BTUH [kW]  | 33.8 [9.91]     | 32.3 [9.47]   | 30.8 [9.03]  | 39.1 [11.46] | 37.4 [10.96]  | 35.6 [10.43] | 41.4 [12.13] | 39.6 [11.61]  | 37.7 [11.05] |              |
|   | Power           | 3.9             | 3.9           | 3.9          | 3.9          | 3.9           | 3.8          | 3.9          | 3.8           | 3.8          |              |
| 100 [37.8]                                | Total BTUH [kW] | 51.1 [14.98]    | 50.2 [14.71]  | 49.3 [14.45] | 47.8 [14.01] | 46.9 [13.75]  | 46.1 [13.51] | 45.2 [13.25] | 44.4 [13.01]  | 43.6 [12.78] |              |
|   | Sens BTUH [kW]  | 32.9 [9.64]     | 31.4 [9.20]   | 29.9 [8.76]  | 38.2 [11.20] | 36.5 [10.70]  | 34.8 [10.20] | 40.5 [11.87] | 38.7 [11.34]  | 36.9 [10.81] |              |
|   | Power           | 4.1             | 4.1           | 4.0          | 4.1          | 4.0           | 4.0          | 4.1          | 4.0           | 4.0          |              |
| 105 [40.6]                                | Total BTUH [kW] | 49.3 [14.45]    | 48.4 [14.18]  | 47.5 [13.92] | 46.0 [13.48] | 45.1 [13.22]  | 44.3 [12.98] | 43.4 [12.72] | 42.6 [12.48]  | 41.8 [12.25] |              |
|   | Sens BTUH [kW]  | 32.0 [9.38]     | 30.6 [8.97]   | 29.2 [8.56]  | 37.3 [10.93] | 35.7 [10.46]  | 34.0 [9.96]  | 39.6 [11.61] | 37.9 [11.11]  | 36.1 [10.58] |              |
|   | Power           | 4.3             | 4.3           | 4.2          | 4.3          | 4.2           | 4.2          | 4.2          | 4.2           | 4.2          |              |
| 110 [43.3]                                | Total BTUH [kW] | 47.6 [13.95]    | 46.8 [13.72]  | 45.9 [13.45] | 44.3 [12.98] | 43.5 [12.75]  | 42.7 [12.51] | 41.7 [12.22] | 41.0 [12.02]  | 40.2 [11.78] |              |
|   | Sens BTUH [kW]  | 31.3 [9.17]     | 29.9 [8.76]   | 28.5 [8.35]  | 36.6 [10.73] | 34.9 [10.23]  | 33.3 [9.76]  | 38.9 [11.40] | 37.1 [10.87]  | 35.4 [10.37] |              |
|   | Power           | 4.5             | 4.4           | 4.4          | 4.5          | 4.4           | 4.4          | 4.4          | 4.4           | 4.4          |              |
| 115 [46.1]                                | Total BTUH [kW] | 46.3 [13.57]    | 45.5 [13.33]  | 44.6 [13.07] | 43.0 [12.60] | 42.2 [12.37]  | 41.4 [12.13] | 40.4 [11.84] | 39.6 [11.61]  | 38.9 [11.40] |              |
|   | Sens BTUH [kW]  | 30.7 [9.00]     | 29.3 [8.59]   | 27.9 [8.18]  | 36.0 [10.55] | 34.4 [10.08]  | 32.8 [9.61]  | 38.3 [11.22] | 36.6 [10.73]  | 34.8 [10.20] |              |
|   | Power           | 4.7             | 4.6           | 4.6          | 4.6          | 4.6           | 4.6          | 4.6          | 4.6           | 4.5          |              |

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

Total —Total capacity x 1000 BTUH  
Sens —Sensible capacity x 1000 BTUH  
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)].

## HEATING PERFORMANCE DATA—RQPL-048

| IDB                                  |                 |                 |               |              |              |               |              |              |               |              |             |
|--------------------------------------|-----------------|-----------------|---------------|--------------|--------------|---------------|--------------|--------------|---------------|--------------|-------------|
| CFM [L/s]                            |                 |                 | 60°F [15.5°C] |              |              | 70°F [21.1°C] |              |              | 80°F [26.7°C] |              |             |
|                                      |                 |                 | 1760 [831]    | 1600 [755]   | 1440 [680]   | 1760 [831]    | 1600 [755]   | 1440 [680]   | 1760 [831]    | 1600 [755]   | 1440 [680]  |
| OUTDOOR DRY BULB TEMPERATURE °F [°C] | 0 [-17.8]       | Total BTUH [kW] | 16.9 [4.95]   | 16.8 [4.92]  | 16.7 [4.89]  | 15.4 [4.51]   | 15.3 [4.48]  | 15.2 [4.45]  | 14.4 [4.22]   | 14.3 [4.19]  | 14.2 [4.16] |
|                                      |                 | Power           | 2.6           | 2.6          | 2.6          | 3.0           | 3.0          | 3.0          | 3.4           | 3.5          | 3.5         |
|                                      | 5 [-15]         | Total BTUH [kW] | 20.1 [5.89]   | 19.9 [5.83]  | 19.8 [5.80]  | 18.6 [5.45]   | 18.5 [5.42]  | 18.3 [5.36]  | 17.6 [5.16]   | 17.5 [5.13]  | 17.3 [5.07] |
|                                      |                 | Power           | 2.6           | 2.6          | 2.7          | 3.0           | 3.0          | 3.1          | 3.5           | 3.5          | 3.5         |
|                                      | 10 [-12.2]      | Total BTUH [kW] | 23.2 [6.80]   | 23.1 [6.77]  | 22.9 [6.71]  | 21.8 [6.39]   | 21.6 [6.33]  | 21.5 [6.30]  | 20.7 [6.07]   | 20.6 [6.04]  | 20.4 [5.98] |
|                                      |                 | Power           | 2.7           | 2.7          | 2.7          | 3.1           | 3.1          | 3.1          | 3.5           | 3.6          | 3.6         |
|                                      | 15 [-9.4]       | Total BTUH [kW] | 26.4 [7.74]   | 26.2 [7.68]  | 26.0 [7.62]  | 24.9 [7.30]   | 24.7 [7.24]  | 24.6 [7.21]  | 23.9 [7.00]   | 23.7 [6.95]  | 23.6 [6.92] |
|                                      |                 | Power           | 2.7           | 2.8          | 2.8          | 3.1           | 3.2          | 3.2          | 3.6           | 3.6          | 3.7         |
|                                      | 20 [-6.7]       | Total BTUH [kW] | 29.5 [8.65]   | 29.3 [8.59]  | 29.1 [8.53]  | 28.1 [8.24]   | 27.9 [8.18]  | 27.7 [8.12]  | 27.1 [7.94]   | 26.9 [7.88]  | 26.7 [7.83] |
|                                      |                 | Power           | 2.8           | 2.8          | 2.8          | 3.2           | 3.2          | 3.2          | 3.6           | 3.7          | 3.7         |
| 25 [-3.9]                            | Total BTUH [kW] | 32.7 [9.58]     | 32.5 [9.52]   | 32.2 [9.44]  | 31.2 [9.14]  | 31.0 [9.09]   | 30.8 [9.03]  | 30.2 [8.85]  | 30.0 [8.79]   | 29.8 [8.73]  |             |
|                                      | Power           | 2.8             | 2.9           | 2.9          | 3.2          | 3.3           | 3.3          | 3.7          | 3.7           | 3.8          |             |
| 30 [-1.1]                            | Total BTUH [kW] | 35.9 [10.52]    | 35.6 [10.43]  | 35.4 [10.37] | 34.4 [10.08] | 34.1 [9.99]   | 33.9 [9.94]  | 33.4 [9.79]  | 33.1 [9.70]   | 32.9 [9.64]  |             |
|                                      | Power           | 2.9             | 2.9           | 2.9          | 3.3          | 3.3           | 3.3          | 3.7          | 3.8           | 3.8          |             |
| 35 [1.7]                             | Total BTUH [kW] | 39.0 [11.43]    | 38.7 [11.34]  | 38.5 [11.28] | 37.5 [10.99] | 37.3 [10.93]  | 37.0 [10.84] | 36.5 [10.70] | 36.3 [10.64]  | 36.0 [10.55] |             |
|                                      | Power           | 2.9             | 3.0           | 3.0          | 3.3          | 3.4           | 3.4          | 3.8          | 3.8           | 3.9          |             |
| 40 [4.4]                             | Total BTUH [kW] | 42.2 [12.37]    | 41.9 [12.28]  | 41.6 [12.19] | 40.7 [11.93] | 40.4 [11.84]  | 40.1 [11.75] | 39.7 [11.63] | 39.4 [11.55]  | 39.1 [11.46] |             |
|                                      | Power           | 3.0             | 3.0           | 3.1          | 3.4          | 3.4           | 3.5          | 3.8          | 3.9           | 3.9          |             |
| 45 [7.2]                             | Total BTUH [kW] | 45.3 [13.28]    | 45.0 [13.19]  | 44.7 [13.10] | 43.9 [12.87] | 43.6 [12.78]  | 43.2 [12.66] | 42.8 [12.54] | 42.5 [12.46]  | 42.2 [12.37] |             |
|                                      | Power           | 3.0             | 3.1           | 3.1          | 3.4          | 3.5           | 3.5          | 3.9          | 3.9           | 4.0          |             |
| 50 [10]                              | Total BTUH [kW] | 48.5 [14.21]    | 48.1 [14.10]  | 47.8 [14.01] | 47.0 [13.77] | 46.7 [13.69]  | 46.4 [13.60] | 46.0 [13.48] | 45.7 [13.39]  | 45.3 [13.28] |             |
|                                      | Power           | 3.1             | 3.1           | 3.2          | 3.5          | 3.5           | 3.6          | 3.9          | 4.0           | 4.0          |             |

IDB—Indoor air dry bulb

[ ] Designates Metric Conversions



# INDOOR AIRFLOW PERFORMANCE — 208 VOLTS

| Nominal Cooling Capacity Tons [kW] | Motor Speed from Factory | Manufacturer Recommended Air-Flow Range (Min/Max) CFM | Blower Size/ Motor HP [W] & # of Speeds               | Motor Speed       | External Static Pressure—Inches W.C. [kPa] |            |            |            |            |            |            |            |            |
|------------------------------------|--------------------------|---|---|-------------------|--|------------|------------|------------|------------|------------|------------|------------|------------|
|                                    |                          |   |   |                   | 0.1 [.02]                                  | 0.2 [.05]  | 0.3 [.07]  | 0.4 [.10]  | 0.5 [.12]  | 0.6 [.15]  | 0.7 [.17]  | 0.8 [.20]  |            |
| 2.0<br>[7.03]                      | High<br>(Tap 1)          | 700 CFM/900 CFM<br>[271/319 L/s]                      | 9x7 Blower<br>1/3 HP [249]<br>3 Speed<br>(X13 Motor)  | Low<br>(Tap 1)    | CFM  | 847 [400]  | 818 [386]  | 788 [372]  | 765 [361]  | 737 [348]  | 695 [328]  | 659 [311]  | 581 [274]  |
|                                    |                          |   |   |                   | RPM  | 892        | 818        | 788        | 765        | 737        | 695        | 659        | 581        |
|                                    |                          |   |   |                   | Watts                                      | 145        | 147        | 156        | 157        | 164        | 167        | 167        | 155        |
| 2.5<br>[8.79]                      | Low<br>(Tap 1)           | 875 CFM/1125 CFM<br>[413/531 L/s]                     | 10x9 Blower<br>1/2 HP [372]<br>3 Speed<br>(X13 Motor) | High<br>(Tap 2)   | CFM  | 914 [431]  | 887 [419]  | 853 [403]  | 824 [389]  | 793 [374]  | 762 [360]  | 717 [338]  | 602 [284]  |
|                                    |                          |   |   |                   | RPM  | 934        | 971        | 1024       | 1053       | 1083       | 1121       | 1135       | 1155       |
|                                    |                          |   |   |                   | Watts                                      | 173        | 177        | 185        | 186        | 188        | 192        | 185        | 164        |
| 3.0<br>[10.55]                     | Low<br>(Tap 1)           | 1050 CFM/1350 CFM<br>[496/637 L/s]                    | 10x9 Blower<br>1/2 HP [372]<br>3 Speed<br>(X13 Motor) | Low<br>(Tap 1)    | CFM  | 1067 [504] | 1034 [488] | 992 [468]  | 957 [452]  | 912 [430]  | 820 [387]  | 778 [367]  | 729 [344]  |
|                                    |                          |   |   |                   | RPM  | 719        | 749        | 791        | 819        | 876        | 952        | 983        | 1024       |
|                                    |                          |   |   |                   | Watts                                      | 143        | 145        | 155        | 159        | 169        | 182        | 185        | 192        |
| 3.5<br>[12.31]                     | Low<br>(Tap 1)           | 1225 CFM/1575 CFM<br>[578/743 L/s]                    | 10x9 Blower<br>1/2 HP [372]<br>3 Speed<br>(X13 Motor) | Medium<br>(Tap 2) | CFM  | 1165 [550] | 1132 [534] | 1091 [515] | 1051 [496] | 1009 [476] | 959 [453]  | 855 [404]  | 819 [387]  |
|                                    |                          |   |   |                   | RPM  | 744        | 785        | 833        | 864        | 905        | 951        | 1020       | 1053       |
|                                    |                          |   |   |                   | Watts                                      | 167        | 177        | 188        | 191        | 202        | 206        | 217        | 351        |
| 4.0<br>[14.07]                     | Low<br>(Tap 1)           | 1350 CFM/1700 CFM<br>[496/602 L/s]                    | 10x9 Blower<br>3/4 HP [559]<br>2 Speed<br>(X13 Motor) | High<br>(Tap 2)   | CFM  | 1252 [591] | 1213 [572] | 1166 [550] | 1137 [537] | 1099 [519] | 1046 [494] | 986 [465]  | 892 [421]  |
|                                    |                          |   |   |                   | RPM  | 796        | 826        | 868        | 893        | 934        | 982        | 1026       | 1086       |
|                                    |                          |   |   |                   | Watts                                      | 206        | 210        | 219        | 225        | 234        | 245        | 248        | 256        |
| 3.0<br>[10.55]                     | Low<br>(Tap 1)           | 1050 CFM/1350 CFM<br>[496/637 L/s]                    | 10x9 Blower<br>1/2 HP [372]<br>3 Speed<br>(X13 Motor) | Low<br>(Tap 1)    | CFM  | 1247 [589] | 1220 [576] | 1178 [556] | 1143 [539] | 1099 [519] | 1064 [502] | 998 [471]  | 904 [427]  |
|                                    |                          |   |   |                   | RPM  | 784        | 819        | 863        | 890        | 932        | 957        | 1012       | 1075       |
|                                    |                          |   |   |                   | Watts                                      | 200        | 208        | 219        | 224        | 233        | 236        | 246        | 256        |
| 3.5<br>[12.31]                     | Low<br>(Tap 1)           | 1225 CFM/1575 CFM<br>[578/743 L/s]                    | 10x9 Blower<br>3/4 HP [559]<br>2 Speed<br>(X13 Motor) | Medium<br>(Tap 2) | CFM  | 1307 [617] | 1292 [610] | 1238 [584] | 1214 [573] | 1170 [552] | 1135 [536] | 1087 [513] | 989 [467]  |
|                                    |                          |   |   |                   | RPM  | 820        | 850        | 889        | 918        | 944        | 981        | 1028       | 1087       |
|                                    |                          |   |   |                   | Watts                                      | 233        | 242        | 248        | 255        | 262        | 268        | 277        | 284        |
| 3.5<br>[12.31]                     | Low<br>(Tap 1)           | 1225 CFM/1575 CFM<br>[578/743 L/s]                    | 10x9 Blower<br>3/4 HP [559]<br>2 Speed<br>(X13 Motor) | High<br>(Tap 3)   | CFM  | 1396 [659] | 1357 [640] | 1334 [630] | 1286 [607] | 1253 [591] | 1207 [570] | 1163 [549] | 1103 [521] |
|                                    |                          |   |   |                   | RPM  | 864        | 898        | 920        | 942        | 976        | 1010       | 1043       | 1089       |
|                                    |                          |   |   |                   | Watts                                      | 268        | 280        | 288        | 292        | 299        | 304        | 310        | 316        |
| 4.0<br>[14.07]                     | Low<br>(Tap 1)           | 1350 CFM/1700 CFM<br>[496/602 L/s]                    | 10x9 Blower<br>3/4 HP [559]<br>2 Speed<br>(X13 Motor) | Low<br>(Tap 1)    | CFM  | 1455 [687] | 1431 [675] | 1396 [659] | 1360 [642] | 1315 [621] | 1285 [606] | 1241 [586] |            |
|                                    |                          |   |   |                   | RPM  | 824        | 856        | 889        | 931        | 968        | 1009       | 1041       |            |
|                                    |                          |   |   |                   | Watts                                      | 268        | 280        | 288        | 303        | 311        | 325        | 331        |            |
| 4.0<br>[14.07]                     | Low<br>(Tap 1)           | 1350 CFM/1700 CFM<br>[496/602 L/s]                    | 10x9 Blower<br>3/4 HP [559]<br>2 Speed<br>(X13 Motor) | High<br>(Tap 2)   | CFM  | 1559 [736] | 1530 [722] | 1488 [702] | 1454 [686] | 1417 [669] | 1375 [649] | 1336 [631] |            |
|                                    |                          |   |   |                   | RPM  | 870        | 893        | 932        | 968        | 1007       | 1036       | 1072       |            |
|                                    |                          |   |   |                   | Watts                                      | 321        | 327        | 338        | 351        | 364        | 371        | 381        |            |
| 4.0<br>[14.07]                     | Low<br>(Tap 1)           | 1350 CFM/1700 CFM<br>[496/602 L/s]                    | 10x9 Blower<br>3/4 HP [559]<br>2 Speed<br>(X13 Motor) | Low<br>(Tap 1)    | CFM  | 1675 [791] | 1658 [782] | 1610 [760] | 1580 [746] | 1535 [724] | 1491 [704] | 1422 [671] |            |
|                                    |                          |   |   |                   | RPM  | 923        | 944        | 979        | 1013       | 1045       | 1077       | 1098       |            |
|                                    |                          |   |   |                   | Watts                                      | 390        | 401        | 412        | 425        | 433        | 440        | 432        |            |
| 4.0<br>[14.07]                     | Low<br>(Tap 1)           | 1350 CFM/1700 CFM<br>[496/602 L/s]                    | 10x9 Blower<br>3/4 HP [559]<br>2 Speed<br>(X13 Motor) | High<br>(Tap 2)   | CFM  | 1770 [835] | 1751 [826] | 1706 [805] | 1672 [789] | 1624 [766] | 1555 [734] | 1463 [690] |            |
|                                    |                          |   |   |                   | RPM  | 966        | 989        | 1018       | 1050       | 1078       | 1100       | 1115       |            |
|                                    |                          |   |   |                   | Watts                                      | 454        | 466        | 473        | 486        | 490        | 481        | 460        |            |

NOTE: Effect of electric heat strip on airflow performance is negligible.

| DOWN DISCHARGE PRESSURE DROP (ADD TO EXTERNAL STATIC PRESSURE) |            |            |            |
|--|------------|------------|------------|
| CFM [L/s]  | 600 [283]  | 800 [378]  | 1600 [775] |
| Pressure Drop—Inches W.C. [kPa]                                | .00        | .01 [.002] | .07 [.017] |
|  | 1000 [472] | 1200 [566] | 1400 [661] |
|  | .02 [.005] | .03 [.007] | .05 [.012] |

[ ] Designates Metric Conversions

# INDOOR AIRFLOW PERFORMANCE — 230 VOLTS

| Nominal Cooling Capacity Tons [kW] | Motor Speed from Factory | Manufacturer Recommended Air-Flow Range (Min/Max) CFM | Blower Size/ Motor HP [W] & # of Speeds               | Motor Speed       | External Static Pressure—Inches W.C. [kPa] |            |            |            |            |            |            |            |            |
|------------------------------------|--------------------------|---|---|-------------------|--|------------|------------|------------|------------|------------|------------|------------|------------|
|                                    |                          |   |   |                   | 0.1 [ .02]                                 | 0.2 [ .05] | 0.3 [ .07] | 0.4 [ .10] | 0.5 [ .12] | 0.6 [ .15] | 0.7 [ .17] | 0.8 [ .20] |            |
| 2.0<br>[7.03]                      | Low<br>(Tap 1)           | 700 CFM/900 CFM<br>[271/319 L/s]                      | 9x7 Blower<br>1/3 HP [249]<br>3 Speed<br>(X13 Motor)  | Low<br>(Tap 1)    | CFM  | 862 [407]  | 834 [394]  | 819 [387]  | 781 [369]  | 761 [359]  | 729 [344]  | 695 [328]  | 606 [286]  |
|                                    |                          |   |   |                   | RPM  | 889        | 953        | 974        | 1018       | 1065       | 1101       | 1133       | 1156       |
|                                    |                          |   |   |                   | Watts                                      | 151        | 159        | 162        | 166        | 173        | 176        | 180        | 185        |
| 2.5<br>[8.79]                      | Low<br>(Tap 1)           | 875 CFM/1125 CFM<br>[413/531 L/s]                     | 10x9 Blower<br>1/2 HP [372]<br>3 Speed<br>(X13 Motor) | High<br>(Tap 2)   | CFM  | 918 [433]  | 888 [419]  | 874 [412]  | 838 [395]  | 819 [387]  | 781 [369]  | 711 [336]  | 616 [291]  |
|                                    |                          |   |   |                   | RPM  | 953        | 988        | 1032       | 1060       | 1091       | 1126       | 1146       | 1157       |
|                                    |                          |   |   |                   | Watts                                      | 181        | 184        | 194        | 198        | 200        | 204        | 189        | 168        |
| 3.0<br>[10.55]                     | Low<br>(Tap 1)           | 1050 CFM/1350 CFM<br>[496/637 L/s]                    | 10x9 Blower<br>1/2 HP [372]<br>3 Speed<br>(X13 Motor) | Low<br>(Tap 1)    | CFM  | 1076 [508] | 1041 [491] | 1017 [480] | 970 [458]  | 928 [438]  | 852 [402]  | 785 [370]  | 745 [352]  |
|                                    |                          |   |   |                   | RPM  | 715        | 753        | 787        | 825        | 877        | 946        | 1005       | 1032       |
|                                    |                          |   |   |                   | Watts                                      | 144        | 148        | 157        | 169        | 175        | 187        | 198        | 202        |
| 3.5<br>[12.31]                     | Low<br>(Tap 1)           | 1225 CFM/1575 CFM<br>[578/743 L/s]                    | 10x9 Blower<br>3/4 HP [559]<br>2 Speed<br>(X13 Motor) | Medium<br>(Tap 2) | CFM  | 1187 [560] | 1124 [530] | 1096 [517] | 1071 [505] | 1024 [483] | 987 [466]  | 896 [423]  | 852 [402]  |
|                                    |                          |   |   |                   | RPM  | 762        | 799        | 832        | 859        | 914        | 940        | 1021       | 1059       |
|                                    |                          |   |   |                   | Watts                                      | 176        | 182        | 191        | 196        | 209        | 212        | 227        | 235        |
| 4.0<br>[14.07]                     | Low<br>(Tap 1)           | 1350 CFM/1700 CFM<br>[496/602 L/s]                    | 10x9 Blower<br>3/4 HP [559]<br>2 Speed<br>(X13 Motor) | High<br>(Tap 3)   | CFM  | 1271 [600] | 1223 [577] | 1169 [552] | 1137 [537] | 1104 [521] | 1071 [505] | 1015 [479] | 934 [441]  |
|                                    |                          |   |   |                   | RPM  | 797        | 836        | 878        | 905        | 939        | 974        | 1026       | 1089       |
|                                    |                          |   |   |                   | Watts                                      | 212        | 217        | 227        | 231        | 241        | 247        | 257        | 270        |
| 3.0<br>[10.55]                     | Low<br>(Tap 1)           | 1050 CFM/1350 CFM<br>[496/637 L/s]                    | 10x9 Blower<br>1/2 HP [372]<br>3 Speed<br>(X13 Motor) | Low<br>(Tap 1)    | CFM  | 1258 [594] | 1215 [573] | 1200 [566] | 1160 [547] | 1130 [533] | 1082 [511] | 1026 [484] | 954 [450]  |
|                                    |                          |   |   |                   | RPM  | 802        | 829        | 861        | 894        | 933        | 971        | 1020       | 1077       |
|                                    |                          |   |   |                   | Watts                                      | 210        | 217        | 225        | 230        | 239        | 245        | 259        | 268        |
| 3.5<br>[12.31]                     | Low<br>(Tap 1)           | 1225 CFM/1575 CFM<br>[578/743 L/s]                    | 10x9 Blower<br>3/4 HP [559]<br>2 Speed<br>(X13 Motor) | Medium<br>(Tap 2) | CFM  | 1336 [631] | 1298 [613] | 1259 [594] | 1229 [580] | 1198 [565] | 1160 [547] | 1116 [527] | 1071 [505] |
|                                    |                          |   |   |                   | RPM  | 821        | 867        | 903        | 920        | 957        | 993        | 1038       | 1071       |
|                                    |                          |   |   |                   | Watts                                      | 239        | 249        | 259        | 262        | 275        | 279        | 290        | 299        |
| 3.5<br>[12.31]                     | Low<br>(Tap 1)           | 1225 CFM/1575 CFM<br>[578/743 L/s]                    | 10x9 Blower<br>3/4 HP [559]<br>2 Speed<br>(X13 Motor) | High<br>(Tap 3)   | CFM  | 1416 [668] | 1379 [651] | 1342 [633] | 1292 [610] | 1275 [602] | 1240 [585] | 1200 [566] | 1168 [551] |
|                                    |                          |   |   |                   | RPM  | 874        | 898        | 933        | 952        | 993        | 1011       | 1060       | 1091       |
|                                    |                          |   |   |                   | Watts                                      | 285        | 290        | 299        | 304        | 314        | 322        | 328        | 337        |
| 3.5<br>[12.31]                     | Low<br>(Tap 1)           | 1225 CFM/1575 CFM<br>[578/743 L/s]                    | 10x9 Blower<br>3/4 HP [559]<br>2 Speed<br>(X13 Motor) | Low<br>(Tap 1)    | CFM  | 1467 [692] | 1439 [679] | 1408 [665] | 1360 [642] | 1331 [628] | 1287 [607] | 1259 [594] |            |
|                                    |                          |   |   |                   | RPM  | 831        | 854        | 894        | 932        | 972        | 1005       | 1042       |            |
|                                    |                          |   |   |                   | Watts                                      | 276        | 282        | 297        | 307        | 319        | 326        | 341        |            |
| 3.5<br>[12.31]                     | Low<br>(Tap 1)           | 1225 CFM/1575 CFM<br>[578/743 L/s]                    | 10x9 Blower<br>3/4 HP [559]<br>2 Speed<br>(X13 Motor) | High<br>(Tap 2)   | CFM  | 1550 [732] | 1520 [717] | 1486 [701] | 1449 [684] | 1407 [664] | 1382 [652] | 1337 [631] |            |
|                                    |                          |   |   |                   | RPM  | 867        | 890        | 930        | 974        | 1003       | 1039       | 1073       |            |
|                                    |                          |   |   |                   | Watts                                      | 317        | 323        | 339        | 355        | 362        | 377        | 385        |            |
| 4.0<br>[14.07]                     | Low<br>(Tap 1)           | 1350 CFM/1700 CFM<br>[496/602 L/s]                    | 10x9 Blower<br>3/4 HP [559]<br>2 Speed<br>(X13 Motor) | Low<br>(Tap 1)    | CFM  | 1692 [799] | 1661 [784] | 1633 [771] | 1589 [750] | 1560 [736] | 1512 [714] | 1442 [681] |            |
|                                    |                          |   |   |                   | RPM  | 931        | 950        | 982        | 1018       | 1054       | 1082       | 1103       |            |
|                                    |                          |   |   |                   | Watts                                      | 404        | 409        | 424        | 434        | 450        | 453        | 443        |            |
| 4.0<br>[14.07]                     | Low<br>(Tap 1)           | 1350 CFM/1700 CFM<br>[496/602 L/s]                    | 10x9 Blower<br>3/4 HP [559]<br>2 Speed<br>(X13 Motor) | High<br>(Tap 2)   | CFM  | 1748 [825] | 1718 [811] | 1686 [796] | 1647 [777] | 1616 [778] | 1543 [779] | 1472 [780] |            |
|                                    |                          |   |   |                   | RPM  | 955        | 978        | 1010       | 1043       | 1073       | 1096       | 1111       |            |
|                                    |                          |   |   |                   | Watts                                      | 440        | 446        | 462        | 475        | 484        | 473        | 459        |            |

NOTE: Effect of electric heat strip on airflow performance is negligible.

| DOWN DISCHARGE PRESSURE DROP (ADD TO EXTERNAL STATIC PRESSURE) |            |            |            |
|--|------------|------------|------------|
| CFM [L/s]  | 600 [283]  | 800 [378]  | 1600 [775] |
| Pressure Drop—Inches W.C. [kPa]                                | .02 [.005] | .01 [.002] | .07 [.017] |
|  | .00        | .03 [.007] | .05 [.012] |

[ ] Designates Metric Conversions

**ELECTRICAL DATA – RQPL- SERIES**

|                         |  | <b>-B024JK</b> | <b>B025JK</b> | <b>-B030JK</b> | <b>-B036CK</b> | <b>-B036JK</b> | <b>-B042CK</b> | <b>-B042JK</b> | <b>-B048CK</b> | <b>-B048JK</b> |
|-------------------------|--|----------------|---------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| <b>Unit Information</b> | Unit Operating Voltage Range               | 187-253        | 187-253       | 187-253        | 187-253        | 187-253        | 187-253        | 187-253        | 187-253        | 187-253        |
|                         | Minimum Circuit Ampacity                   | 21/21          | 21/21         | 24/24          | 19/19          | 27/27          | 25/25          | 33/33          | 26/26          | 37/37          |
|                         | Minimum Overcurrent Protection Device Size | 25/25          | 25/25         | 25/25          | 20/20          | 30/30          | 30/30          | 35/35          | 30/30          | 40/40          |
|                         | Maximum Overcurrent Protection Device Size | 30/30          | 30/30         | 35/35          | 25/25          | 40/40          | 35/35          | 50/50          | 35/35          | 50/50          |
| <b>Compressor Motor</b> | No.  | 1              | 1             | 1              | 1              | 1              | 1              | 1              | 1              | 1              |
|                         | Volts                                      | 208/230        | 208/230       | 208/230        | 208/230        | 208/230        | 208/230        | 208/230        | 208/230        | 208/230        |
|                         | Phase                                      | 1              | 1             | 1              | 3              | 1              | 3              | 1              | 3              | 1              |
|                         | HP   | 2              | 2             | 2 1/2          | 3              | 3              | 3 1/2          | 3 1/2          | 4              | 4              |
|                         | RPM  | 3450           | 3450          | 3450           | 3450           | 3450           | 3450           | 3450           | 3450           | 3450           |
|                         | Amps (RLA)                                 | 12.8/12.8      | 12.8/12.8     | 14.1/14.1      | 10.4/10.4      | 16.7/16.7      | 13.1/13.1      | 19.9/19.9      | 13.7/13.7      | 23.8/23.8      |
|                         | Amps (LRA)                                 | 58.3/58.3      | 58.3/58.3     | 73/73          | 88/88          | 79/79          | 83.1/83.1      | 109/109        | 83.1/83.1      | 117/117        |
| <b>Condenser Motor</b>  | No.  | 1              | 1             | 1              | 1              | 1              | 1              | 1              | 1              | 1              |
|                         | Volts                                      | 208/230        | 208/230       | 208/230        | 208/230        | 208/230        | 208/230        | 208/230        | 208/230        | 208/230        |
|                         | Phase                                      | 1              | 1             | 1              | 1              | 1              | 1              | 1              | 1              | 1              |
|                         | HP   | 1/5            | 1/3           | 1/5            | 1/5            | 1/5            | 1/3            | 1/3            | 1/3            | 1/3            |
|                         | Amps (FLA)                                 | 1.3            | 1.3/1.3       | 1.3            | 1.3            | 1.3            | 2              | 2              | 2              | 2              |
|                         | Amps (LRA)                                 | 2.2            | 0/0           | 2.2            | 2.2            | 2.2            | 3.9            | 3.9            | 3.9            | 3.9            |
| <b>Evaporator Fan</b>   | No.  | 1              | 1             | 1              | 1              | 1              | 1              | 1              | 1              | 1              |
|                         | Volts                                      | 208/230        | 208/230       | 208/230        | 208/230        | 208/230        | 208/230        | 208/230        | 208/230        | 208/230        |
|                         | Phase                                      | 1              | 1             | 1              | 1              | 1              | 1              | 1              | 1              | 1              |
|                         | HP   | 1/3            | 1/3           | 1/2            | 1/2            | 1/2            | 3/4            | 3/4            | 3/4            | 3/4            |
|                         | Amps (FLA)                                 | 2.8            | 2.8/2.8       | 4.1            | 4.1            | 4.1            | 6              | 6              | 6              | 6              |
|                         | Amps (LRA)                                 | 0              | 0/0           | 0              | 0              | 0              | 0              | 0              | 0              | 0              |

1. Horsepower Per Compressor.
2. Amp Draw Per Motor. Multiply Value By Number of Motors to Determine Total Amps.

Electric Heater Kits  
RQPL Series

| Unit Model Application    | Electric Heater Kit Models           |
|---------------------------|--------------------------------------|
| RQPL-B024JK & RQPL-B025JK | RXQJ-A05J (208-240 volt, 1-ph, 5kW)  |
|                           | RXQJ-A10J (208-240 volt, 1-ph, 10kW) |
| RQPL-B030JK               | RXQJ-A05J (208-240 volt, 1-ph, 5kW)  |
|                           | RXQJ-A10J (208-240 volt, 1-ph, 10kW) |
| RQPL-B036JK               | RXQJ-A10J (208-240 volt, 1-ph, 10kW) |
|                           | RXQJ-A15J (208-240 volt, 1-ph, 15kW) |
| RQPL-B042JK               | RXQJ-10J (208-240 volt, 1-ph, 10kW)  |
|                           | RXQJ-15J (208-240 volt, 1-ph, 15kW)  |
| RQPL-B048JK               | RXQJ-10J (208-240 volt, 1-ph, 10kW)  |
|                           | RXQJ-15J (208-240 volt, 1-ph, 15kW)  |
| RQPL-B036CK               | RXQJ-A10C (208-240 volt, 3-ph, 10kW) |
|                           | RXQJ-A15C (208-240 volt, 3-ph, 15kW) |
| RQPL-B042CK               | RXQJ-A10C (208-240 volt, 3-ph, 10kW) |
|                           | RXQJ-A15C (208-240 volt, 3-ph, 15kW) |
| RQPL-B048CK               | RXQJ-A10C (208-240 volt, 3-ph, 10kW) |
|                           | RXQJ-A15C (208-240 volt, 3-ph, 15kW) |

**WARNING**

**ONLY ELECTRIC HEATER KITS SUPPLIED BY THIS MANUFACTURER AS DESCRIBED IN THIS PUBLICATION HAVE BEEN DESIGNED, TESTED, AND EVALUATED BY A NATIONALLY RECOGNIZED SAFETY TESTING AGENCY FOR USE WITH THIS UNIT. USE OF ANY OTHER MANUFACTURED ELECTRIC HEATERS INSTALLED WITHIN THIS UNIT MAY CAUSE HAZARDOUS CONDITIONS RESULTING IN PROPERTY DAMAGE, FIRE, BODILY INJURY OR DEATH.**

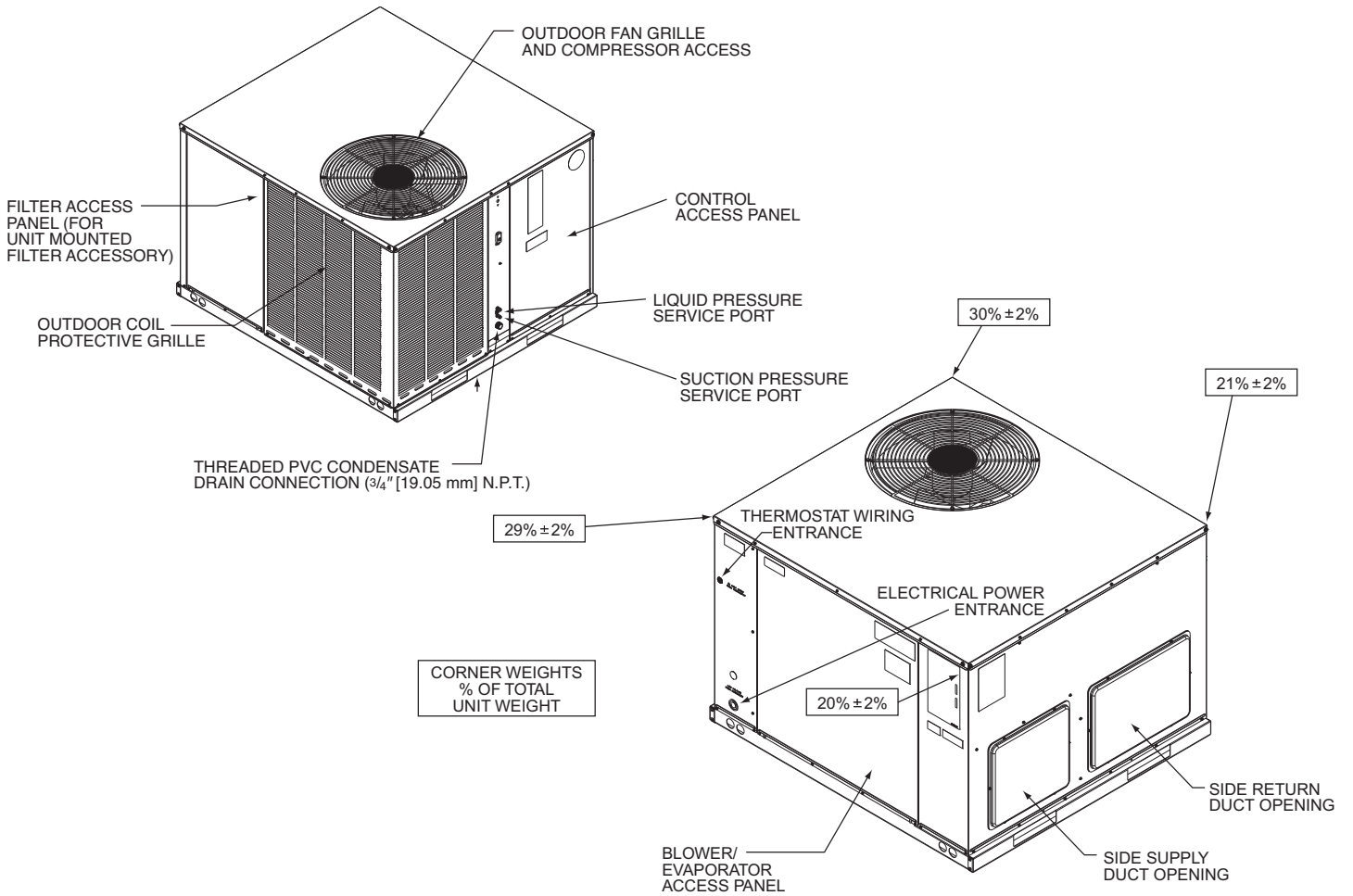
**208-240 VOLT, SINGLE PHASE, 60 HZ, AUXILIARY ELECTRIC HEATER KITS CHARACTERISTICS AND APPLICATION**

| Single Power Supply For Both Unit and Heater Kit |                            |                 |                       |                             |                            |                         |                                |   |           | Separate Power Supply For Both Unit and Heater Kit |                         |                                 |   |           |  |  |
|--|----------------------------|-----------------|-----------------------|-----------------------------|----------------------------|-------------------------|--------------------------------|---|-----------|--|-------------------------|---------------------------------|---|-----------|--|--|
| Unit Model No. RQPL-                             | Heater Kit                 |                 |                       |                             |                            | Heat Pump               |                                |   |           |  | Heater Kit              |                                 |   | Heat Pump |  |  |
|  | RXQJ-Heater Kit Nominal kW | No. of Elements | No. of Sequence Steps | Rated Heater kW @ 208-240 V | Heater KBTU/Hr @ 208-240 V | Heater Amp. @ 208-240 V | Unit Min. Ampacity @ 208-240 V | Over Current Protective Device Size @ 240 V |           | Min. Ampacity 208-240V                             | Max. Fuse Size 208/240V | Min. Circuit Ampacity 208-240 V | Over Current Protective Device Size @ 208 V |           |  |  |
|  |                            |                 |                       |                             |                            |                         |                                | Min./Max.                                   | Min./Max. |  |                         |                                 | Min./Max.                                   | Min./Max. |  |  |
| B024JK   | No Heat                    | —               | —                     | —                           | —                          | —                       | 21/21                          | 30/30                                       | 30/30     | —  | —                       | 21/21                           | 30/30                                       | 30/30     |  |  |
| B025JK   | A05J                       | 1               | 1                     | 3.6/4.8                     | 12.28/16.38                | 17.3/20.0               | 42/46                          | 50/50                                       | 50/50     | 22/25  | 25/25                   | —                               | —   | —         |  |  |
|  | A10J                       | 2               | 2                     | 7.2/9.6                     | 24.56/32.75                | 34.6/40.0               | 64/71                          | 70/80                                       | 70/80     | 44/50  | 45/50                   | —                               | —   | —         |  |  |
| B030JK   | No Heat                    | —               | —                     | —                           | —                          | —                       | 24/24                          | 35/35                                       | 35/35     | —  | —                       | 24/24                           | 35/35                                       | 35/35     |  |  |
|  | A05J                       | 1               | 1                     | 3.6/4.8                     | 12.28/16.38                | 17.3/20.0               | 45/49                          | 50/50                                       | 50/50     | 22/25  | 25/25                   | —                               | —   | —         |  |  |
|  | A10J                       | 2               | 2                     | 7.2/9.6                     | 24.56/32.75                | 34.6/40.0               | 67/74                          | 70/80                                       | 70/80     | 44/50  | 45/50                   | —                               | —   | —         |  |  |
| B036JK   | No Heat                    | —               | —                     | —                           | —                          | —                       | 27/27                          | 40/40                                       | 40/40     | —  | —                       | 27/27                           | 40/40                                       | 40/40     |  |  |
|  | A10J                       | 2               | 2                     | 7.2/9.6                     | 24.56/32.75                | 34.6/40.0               | 70/77                          | 70/80                                       | 70/80     | 44/50  | 45/50                   | —                               | —   | —         |  |  |
|  | A15J                       | 3               | 2                     | 10.8/14.4                   | 36.84/49.13                | 51.9/60.0               | 92/102                         | 100/110                                     | 100/110   | 65/75  | 70/80                   | —                               | —   | —         |  |  |
| B042JK   | No Heat                    | —               | —                     | —                           | —                          | —                       | 33/33                          | 50/50                                       | 50/50     | —  | —                       | 33/33                           | 50/50                                       | 50/50     |  |  |
|  | B10J                       | 2               | 2                     | 7.2/9.6                     | 24.56/32.75                | 34.6/40.0               | 77/83                          | 80/90                                       | 80/90     | 44/50  | 45/50                   | —                               | —   | —         |  |  |
|  | B15J                       | 3               | 2                     | 10.8/14.4                   | 36.84/49.13                | 51.9/60.0               | 98/108                         | 100/110                                     | 100/110   | 65/75  | 70/80                   | —                               | —   | —         |  |  |
| B048JK   | No Heat                    | —               | —                     | —                           | —                          | —                       | 37/37                          | 50/50                                       | 50/50     | —  | —                       | 37/37                           | 50/50                                       | 50/50     |  |  |
|  | B10J                       | 2               | 2                     | 7.2/9.6                     | 24.56/32.75                | 34.6/40.0               | 80/87                          | 90/90                                       | 90/90     | 44/50  | 45/50                   | —                               | —   | —         |  |  |
|  | B15J                       | 3               | 2                     | 10.8/14.4                   | 36.84/49.13                | 51.9/60.0               | 102/112                        | 110/125                                     | 110/125   | 65/75  | 70/80                   | —                               | —   | —         |  |  |

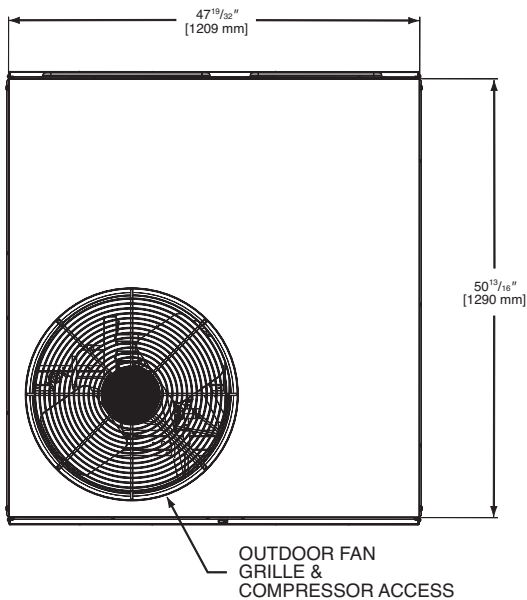
**208-240 VOLT, THREE PHASE, 60 HZ, AUXILIARY ELECTRIC HEATER KITS CHARACTERISTICS AND APPLICATION**

| Single Power Supply For Both Unit and Heater Kit |                            |                 |                       |                             |                            |                         |                                |   |           | Separate Power Supply For Both Unit and Heater Kit |                         |                                 |   |           |  |  |
|--|----------------------------|-----------------|-----------------------|-----------------------------|----------------------------|-------------------------|--------------------------------|---|-----------|--|-------------------------|---------------------------------|---|-----------|--|--|
| Unit Model No. RQPL-                             | Heater Kit                 |                 |                       |                             |                            | Heat Pump               |                                |   |           |  | Heater Kit              |                                 |   | Heat Pump |  |  |
|  | RXQJ-Heater Kit Nominal kW | No. of Elements | No. of Sequence Steps | Rated Heater kW @ 208-240 V | Heater KBTU/Hr @ 208-240 V | Heater Amp. @ 208-240 V | Unit Min. Ampacity @ 208-240 V | Over Current Protective Device Size @ 240 V |           | Min. Ampacity 208-240V                             | Max. Fuse Size 208/240V | Min. Circuit Ampacity 208-240 V | Over Current Protective Device Size @ 208 V |           |  |  |
|  |                            |                 |                       |                             |                            |                         |                                | Min./Max.                                   | Min./Max. |  |                         |                                 | Min./Max.                                   | Min./Max. |  |  |
| B036CK   | No Heat                    | —               | —                     | —                           | —                          | —                       | 19/19                          | 25/25                                       | 25/25     | —  | —                       | 19/19                           | 25/25                                       | 25/25     |  |  |
|  | A10C                       | 3               | 3                     | 7.2/9.6                     | 24.56/32.75                | 20.0/23.1               | 44/48                          | 45/50                                       | 45/50     | 25/29  | 25/30                   | —                               | —   | —         |  |  |
|  | A15C                       | 3               | 3                     | 10.8/14.4                   | 36.84/49.13                | 30.1/34.7               | 57/62                          | 60/70                                       | 60/70     | 38/44  | 40/45                   | —                               | —   | —         |  |  |
| B042CK   | No Heat                    | —               | —                     | —                           | —                          | —                       | 25/25                          | 35/35                                       | 35/35     | —  | —                       | 25/25                           | 35/35                                       | 35/35     |  |  |
|  | A10C                       | 3               | 3                     | 7.2/9.6                     | 24.56/32.75                | 20.0/23.1               | 50/54                          | 50/60                                       | 50/60     | 25/29  | 25/30                   | —                               | —   | —         |  |  |
|  | A15C                       | 3               | 3                     | 10.8/14.4                   | 36.84/49.13                | 30.1/34.7               | 63/68                          | 70/70                                       | 70/70     | 38/44  | 40/45                   | —                               | —   | —         |  |  |
| B048CK   | No Heat                    | —               | —                     | —                           | —                          | —                       | 26/26                          | 35/35                                       | 35/35     | —  | —                       | 26/26                           | 35/35                                       | 35/35     |  |  |
|  | A10C                       | 3               | 3                     | 7.2/9.6                     | 24.56/32.75                | 20.0/23.1               | 51/55                          | 60/60                                       | 60/60     | 25/29  | 25/30                   | —                               | —   | —         |  |  |
|  | A15C                       | 3               | 3                     | 10.8/14.4                   | 36.84/49.13                | 30.1/34.7               | 63/69                          | 70/70                                       | 70/70     | 38/44  | 40/45                   | —                               | —   | —         |  |  |

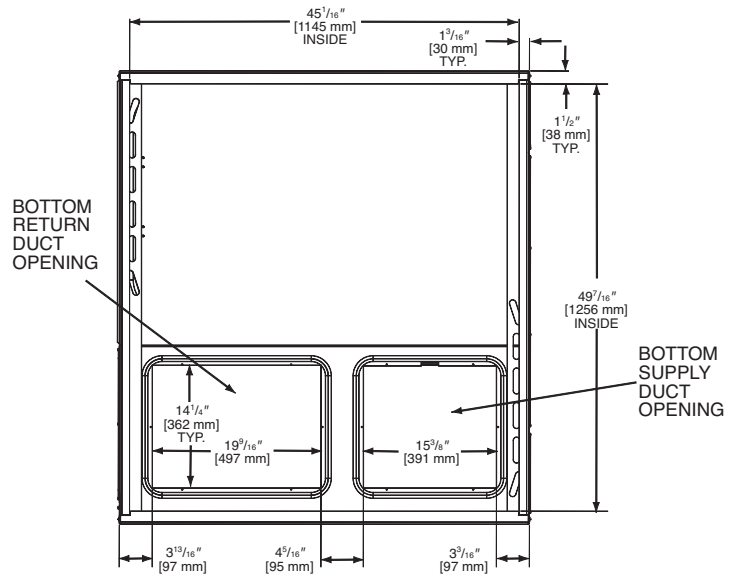
**Dimensional Data**  
**RQPL Series**



**TOP VIEW**

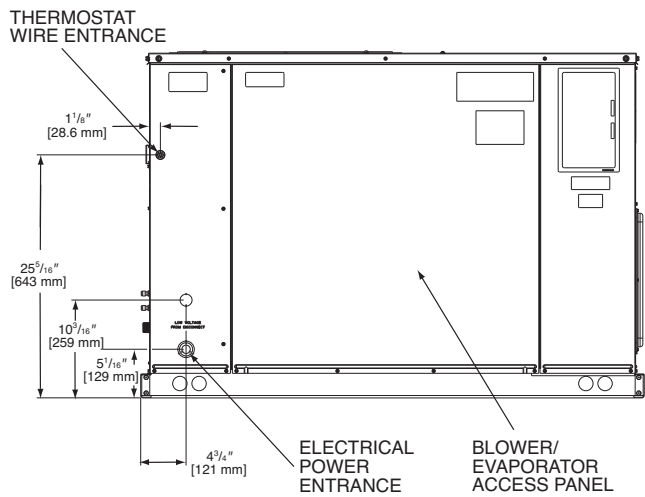


**BOTTOM VIEW**

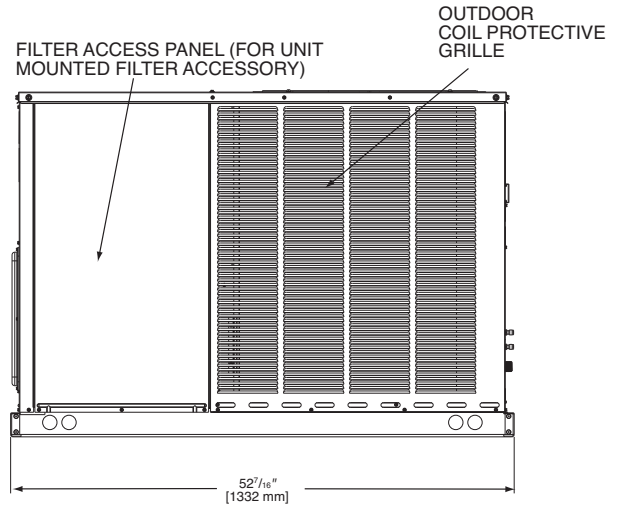


[ ] Designates Metric Conversions

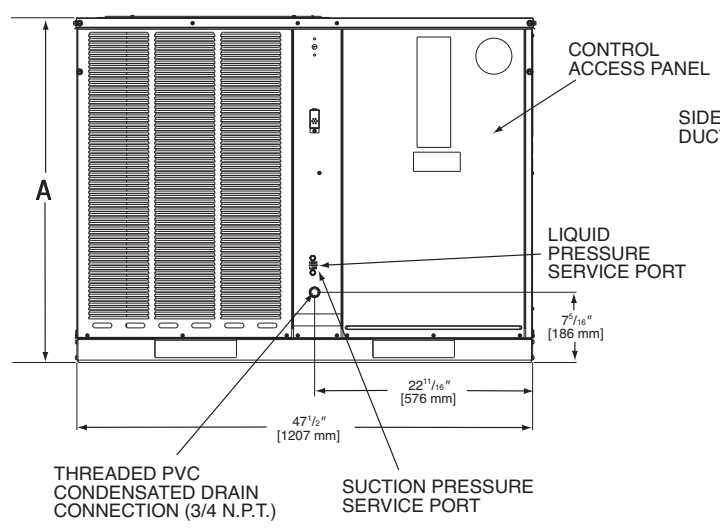
**SIDE VIEW**



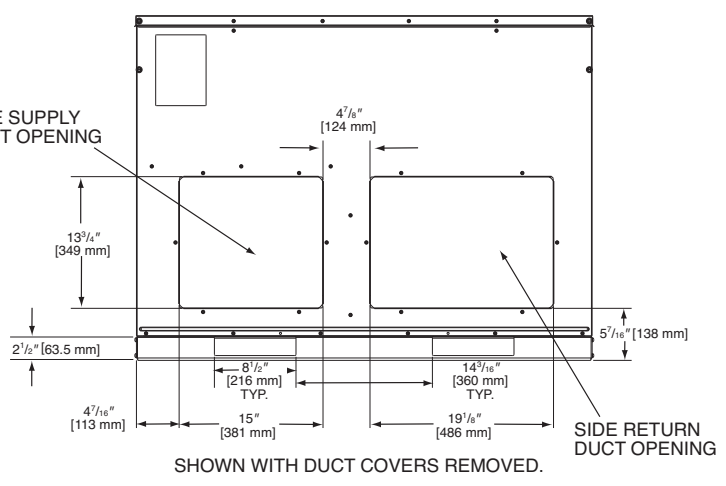
**SIDE VIEW**



**FRONT VIEW**



**BACK VIEW**

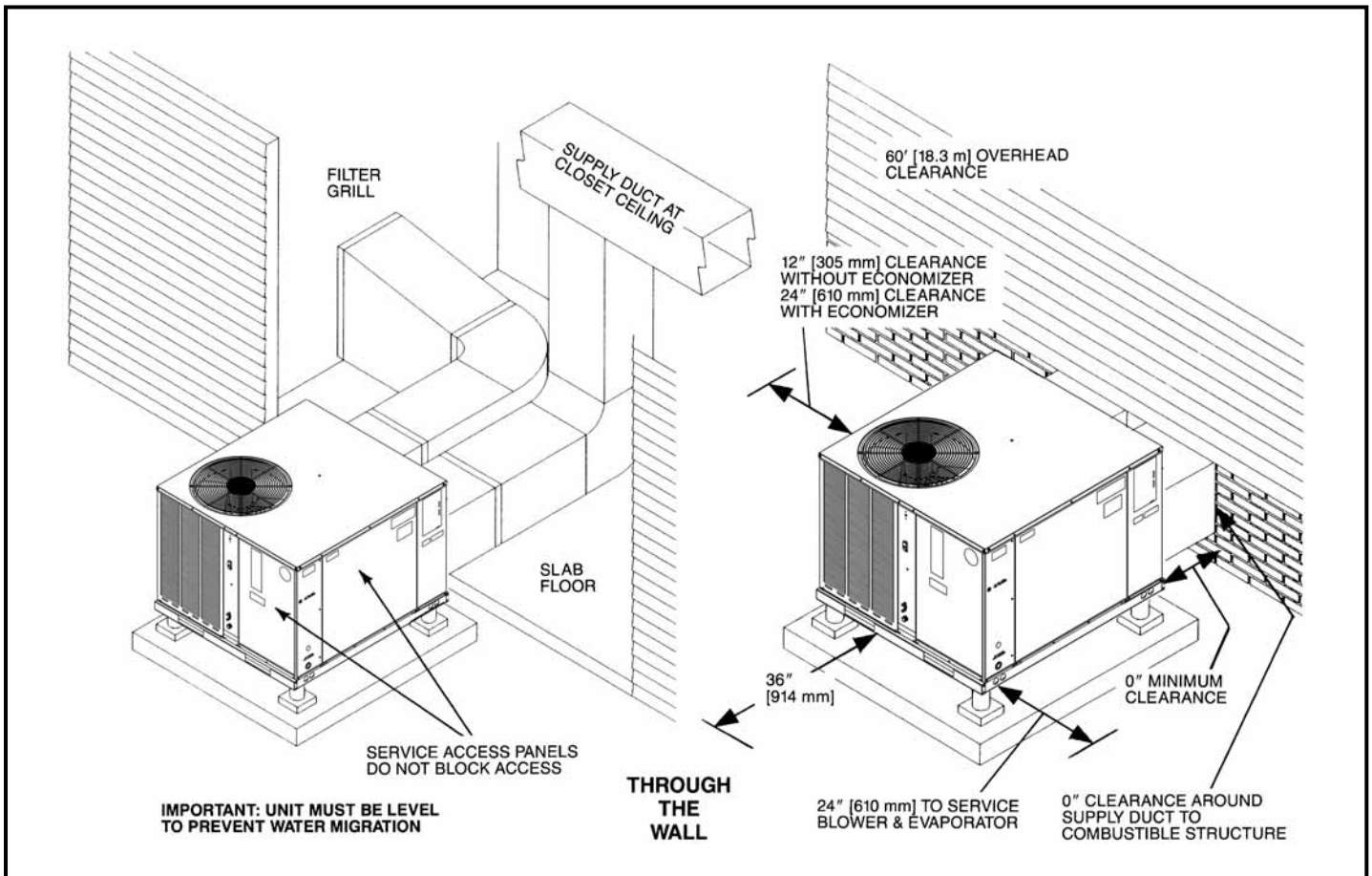


**IMPORTANT:**  
INSTALLATION MUST NOT INTERFERE WITH DRAINAGE OPENINGS IN BOTTOM OF UNIT UNDER OUTDOOR COIL.

| Model Number           | Height "A" |
|------------------------|------------|
| B024, B025             | 35 15/16   |
| B030, B036, B042, B048 | 41         |

**IMPORTANT:**  
UNIT MUST BE LEVEL TO PREVENT WATER MIGRATION.

[ ] Designates Metric Conversions



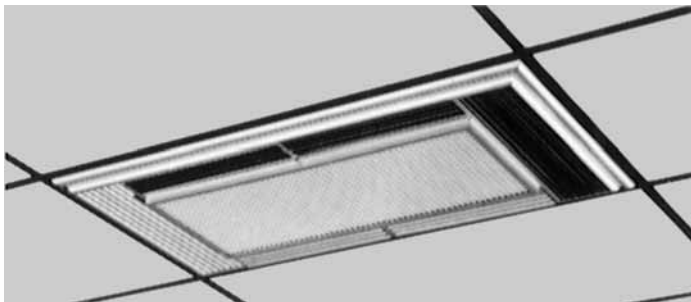
[ ] Designates Metric Conversions



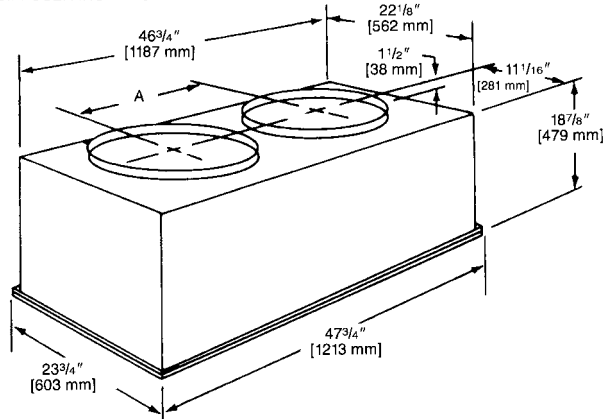
## ACCESSORY EQUIPMENT

| Accessory Description                            | Model Application | Accessory Model No.  |
|--|-------------------|--|
| Thermostats                                      | RQPL-             | See Thermostat Specification Sheet (T22-001)                         |
| Roofcurb   | RQPL-             | RXQG-AAA14 (14" [356 mm] Height)<br>RXQG-AAA24 (24" [610 mm] Height) |
| Supply & Return Diffusers                        | RQPL-             | RXRN-BD15  |
| Economizers (Downflow Only)                      | RQPL-             | AXRE-CAA30 (3 Position)<br>AXRD-CAM10 (Fully Modulating)             |
| Economizers (Sideflow Only)                      | RQPL-             | AXRD-CCM10 (Fully Modulating)<br>AXRE-CCA30 (3 Position)             |
| Fresh Air Damper                                 | RQPL-             | AXRF-FAB1 (Motorized-35%)<br>AXRF-FAA1 (Fixed-35%)                   |
| Rectangular to Round Transition (Downflow)       | RQPL-             | RXMC-CA02 (16" [406 mm] Ducts)<br>RXMC-CA03 (18" [457 mm] Ducts)     |
| Filter Kit                                       | RQPL-             | RXRY-B01   |
| High Pressure Control                            | RQPL-             | RXAB-D01   |
| Outdoor Thermostat                               | RQPL-             | RXPT-A01   |
| Low Ambient Control                              | RQPL-             | RXPZ-G01   |
| Duct Adapter Sideflow Square to Round Transition | RQPL-             | AXMC-BA01  |
| Lift Kit   | RQPL-             | RXML-A01   |

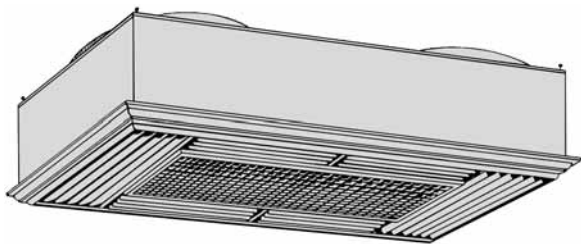
## COMMON SUPPLY/RETURN CONCENTRIC AIR DIFFUSER



DIFFUSER INSTALLS FLUSH WITH CEILING



## SUPPLY/RETURN DIFFUSER



Designed to convert a side by side or an over and under arrangement into a concentric distribution of air. The diffuser is flush mounted, completely insulated, assembled, and internally baffled to provide four way supply air distribution with a center return. To make the assembly complete and ready to fit into a 2' [0.61 m] x 4' [1.22 m] suspended ceiling grid, the diffuser includes adjustable supply louvers, hanging rings, anti-sweat gasket, and round flanges for use with flexible ducts.

| Model No.     | Diameter Inches [mm] | Shipping Wt. Lbs. [kg] | Dimension A Inches [mm]              |
|---------------|----------------------|------------------------|--------------------------------------|
| RXRN-<br>BD15 | 16 [406]             | 90 [40.82]             | 20 <sup>1</sup> / <sub>2</sub> [521] |

**NOTE:** The location of the combination supply and return diffuser should not exceed 10 feet [3.05 m] above the floor level for units @ 1000 CFM [472 L/s] or less and 12 [3.66 m] to 14 feet [4.27 m] above the floor level for units with CFM greater than 1000 [472 L/s]. If the diffuser is installed with a greater distance than recommended above, the supply air may become stratified above the required comfort area causing uncomfortable conditions.

## AIRFLOW/PRESSURE DROP INFORMATION (INCHES W.C. [kPa])

| Accessory                   | Approximate CFM [L/s]-Supply Air |            |            |             |
|-----------------------------|----------------------------------|------------|------------|-------------|
|                             | 1300 [614]                       | 1575 [743] | 1800 [850] | 2200 [1038] |
| Plenum & Supply/Return Duct | .07 [.017]                       | .10 [.024] | .12 [.030] | .17 [.042]  |
| Diffuser                    | .09 [.022]                       | .13 [.032] | .16 [.040] | .24 [.060]  |
| Economizer                  | .06 [.015]                       | .09 [.022] | .11 [.027] | .17 [.042]  |

## SUPPLY AIR/PERFORMANCE

| Diffuser Airflow CFM [L/s] | Range of Throw Ft. [m] |
|----------------------------|------------------------|
| 800 [378]-1200 [566]       | 14 [4.27]-16 [4.88]    |
| 1600 [755]-2000 [944]      | 18 [5.49]-28 [8.53]    |

[ ] Designates Metric Conversions

## THERMOSTATS



**200-Series \***  
Programmable



**300-Series \***  
Deluxe  
Programmable

**400-Series \***  
Special Applications/  
Programmable



**500-Series \***  
Communicating/  
Programmable

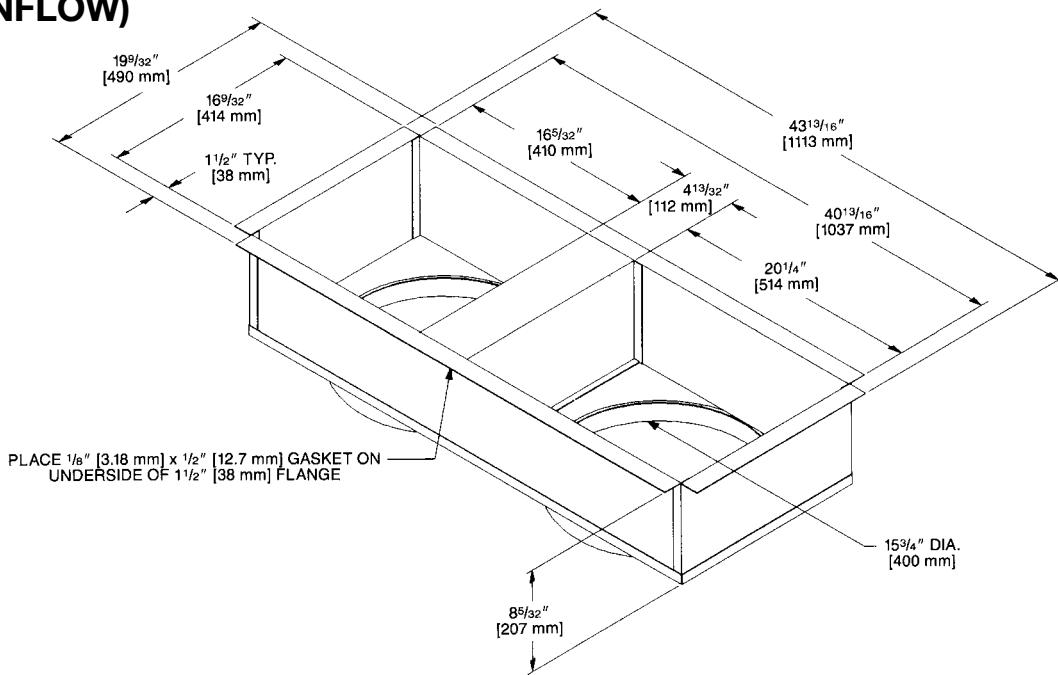
| Brand      | Descriptor<br>(3 Characters) | Series<br>(3 Characters)   | System<br>(2 Characters)  | Type<br>(2 Characters)            |
|------------|------------------------------|--|---|-----------------------------------|
| <b>UHC</b> | <b>-</b>                     | <b>213</b>   | <b>UN</b>   | <b>MS</b>                         |
| UHC=Ruud   | TST=Thermostat               | 200=Programmable<br>300=Deluxe Programmable<br>400=Special Applications/<br>Programmable<br>500=Communicating/<br>Programmable | GE=Gas/Electric<br>UN=Universal (AC/HP/GE)<br>MD=Modulating Furnace<br>DF=Dual Fuel<br>CM=Communicating | SS=Single-Stage<br>MS=Multi-Stage |

\* Photos are representative. Actual models may vary.

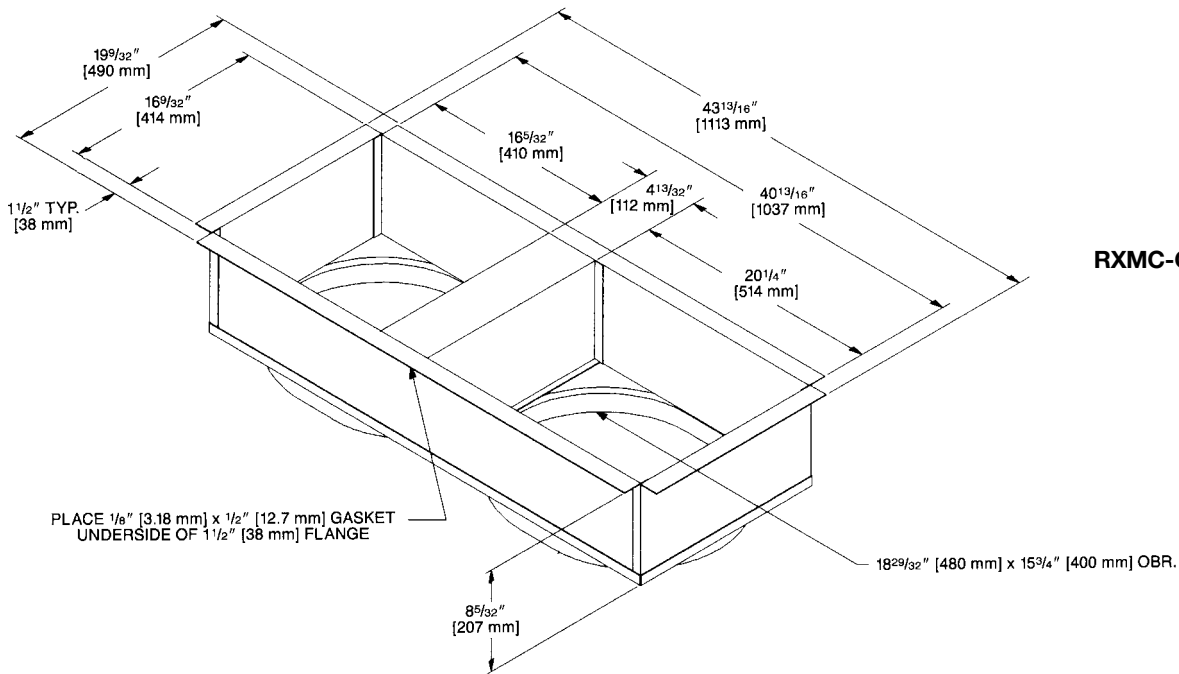
For detailed thermostat match-up information,  
see specification sheet form number T22-001.

# DUCT ADAPTERS RECTANGULAR TO ROUND TRANSITIONS (DOWNFLOW)

**RXMC-CA02**



**RXMC-CA03**



[ ] Designates Metric Conversions

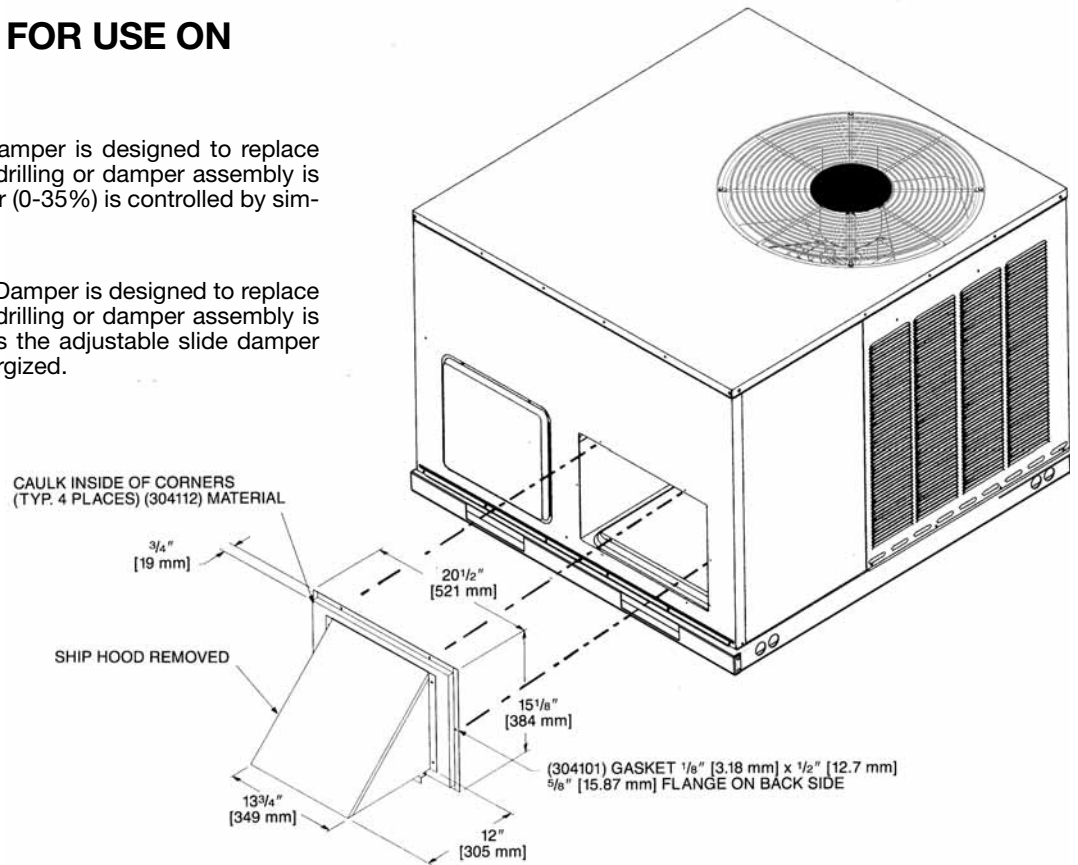
## FRESH AIR DAMPER FOR USE ON RQPL- SERIES

### AXRF-FAA1 (Fixed - 0-35%)

The 0-35% manual outside Air Damper is designed to replace the unit return air duct cover. No drilling or damper assembly is required. The amount of outside air (0-35%) is controlled by simply adjusting the side damper.

### AXRF-FAB1 (Motorized - 0-35%)

The 0-35% motorized outside Air Damper is designed to replace the unit return air duct cover. No drilling or damper assembly is required. The control motor opens the adjustable slide damper when the unit blower motor is energized.



## ECONOMIZERS

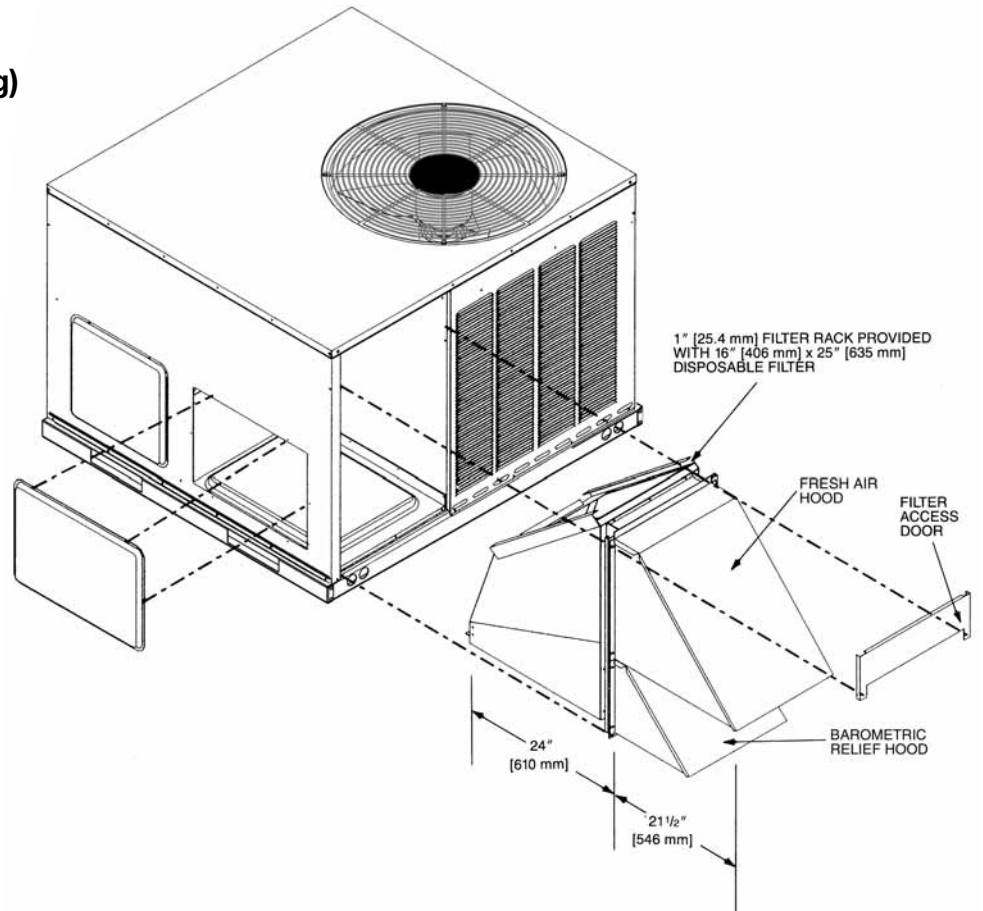
### AXRE-CAA30 (3 Position) and AXRD-CAM10 (Fully Modulating) RQPL- Series Downflow Application

#### AXRE-CAA30 (3 Position)

Provided with enthalpy control, and mixed air sensor. Settings include fully open, fully closed and adjustable mid point.

#### AXRD-CAM10 (Fully Modulating)

Provided with enthalpy control, mixed air sensor and minimum position potentiometer for proportioning (modulating) the amount of fresh air.



[ ] Designates Metric Conversions

## ECONOMIZERS

### AXRD-CCM10 (Fully Modulating) and AXRE-CCA30 (3 Position) Horizontal Application

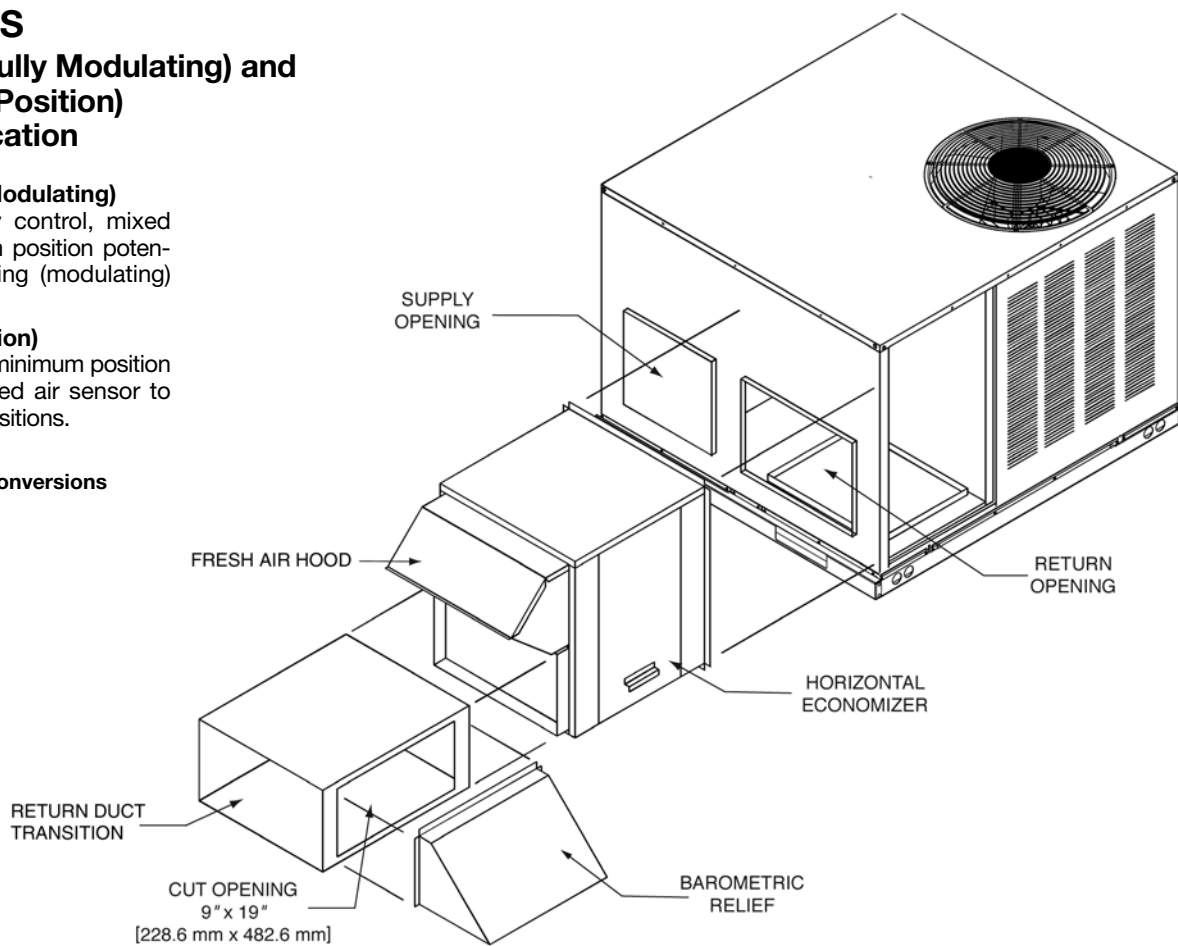
#### AXRD-CCM10 (Fully Modulating)

Provided with enthalpy control, mixed air sensor and minimum position potentiometer for proportioning (modulating) the amount of fresh air.

#### AXRE-CCA30 (3-Position)

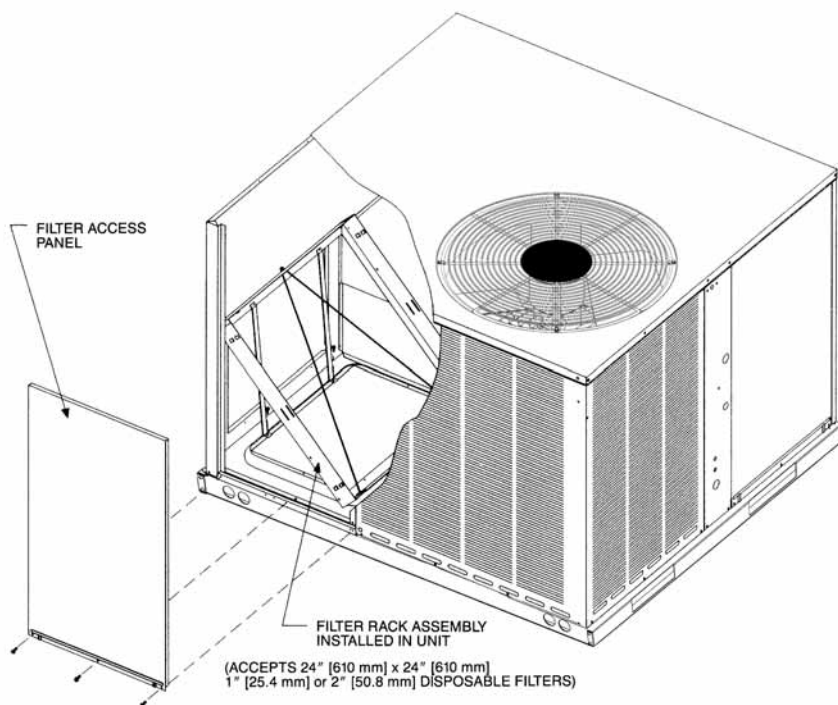
Has outdoor air sensor, minimum position potentiometer, and mixed air sensor to provide three damper positions.

[ ] Designates Metric Conversions



# FILTER KIT INSTALLATION RXRY-B01

For use in either vertical  
or horizontal discharge.



| CFM [L/s]       |                 |                 |
|-----------------|-----------------|-----------------|
| Minimum Airflow | Nominal Airflow | Maximum Airflow |
| 510 [241]       | 600 [283]       | 660 [311]       |
| 680 [321]       | 800 [378]       | 880 [415]       |
| 850 [401]       | 1000 [472]      | 1100 [519]      |
| 1020 [481]      | 1200 [566]      | 1320 [623]      |
| 1190 [562]      | 1400 [661]      | 1540 [727]      |
| 1275 [602]      | 1500 [708]      | 1650 [779]      |
| 1700 [802]      | 2000 [944]      | 2200 [1039]     |

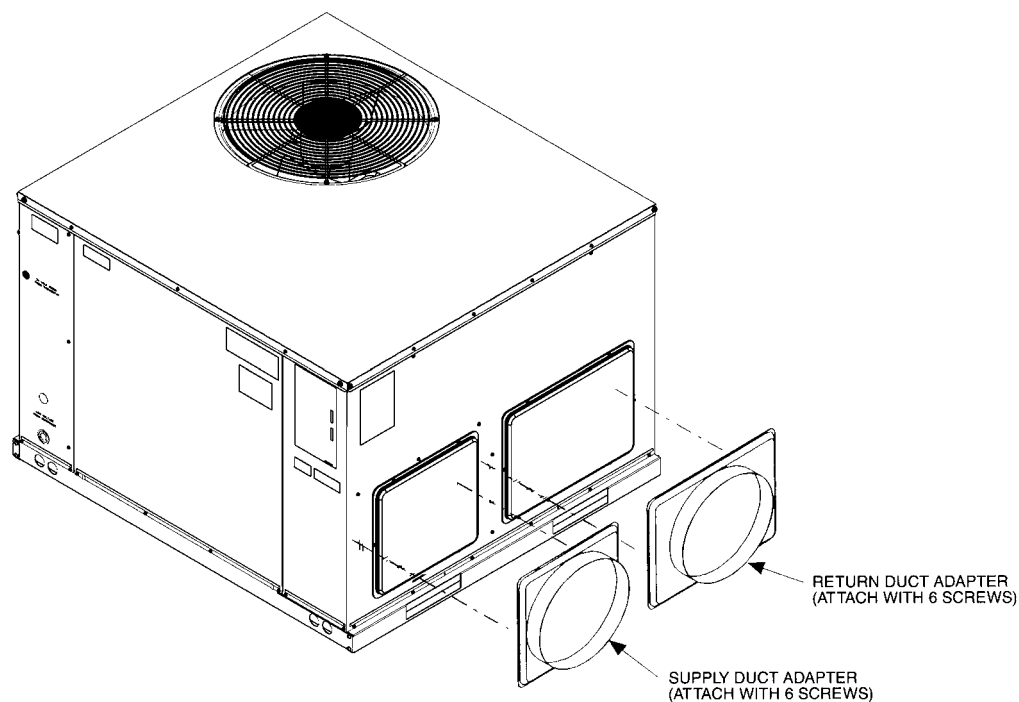
| Airflow Pressure Drop, Inches W.C. [kPa] |             |             |
|--|-------------|-------------|
| CFM [L/s]                                | 1" Filter   | 2" Filter   |
| 500 [236]                                | .02 [.0050] | .03 [.0075] |
| 600 [283]                                | .02 [.0050] | .03 [.0075] |
| 700 [330]                                | .03 [.0075] | .04 [.0010] |
| 800 [378]                                | .04 [.0010] | .05 [.0124] |
| 900 [425]                                | .05 [.0124] | .06 [.0149] |
| 1000 [472]                               | .07 [.0174] | .08 [.0199] |
| 1100 [519]                               | .08 [.0199] | .09 [.0224] |
| 1200 [566]                               | .10 [.0249] | .12 [.0299] |
| 1300 [614]                               | .13 [.0324] | .15 [.0373] |
| 1400 [661]                               | .16 [.0398] | .19 [.0473] |
| 1500 [708]                               | .19 [.0473] | .21 [.0523] |
| 1600 [755]                               | .20 [.0498] | .23 [.0572] |
| 1700 [802]                               | .21 [.0523] | .24 [.0598] |
| 1800 [850]                               | .22 [.0548] | .25 [.0623] |
| 1900 [897]                               | .24 [.0598] | .27 [.0672] |
| 2000 [944]                               | .26 [.0647] | .29 [.0722] |

[ ] Designates Metric Conversions

## DUCT ADAPTER SIDEFLOW SQUARE TO ROUND TRANSITION AXMC-BA01

Adapts the side rectangular supply and return openings to 14" [356 mm] diameter round openings. Adapters provided with same finish as unit and also provided with thermal insulation.

[ ] Designates Metric Conversions

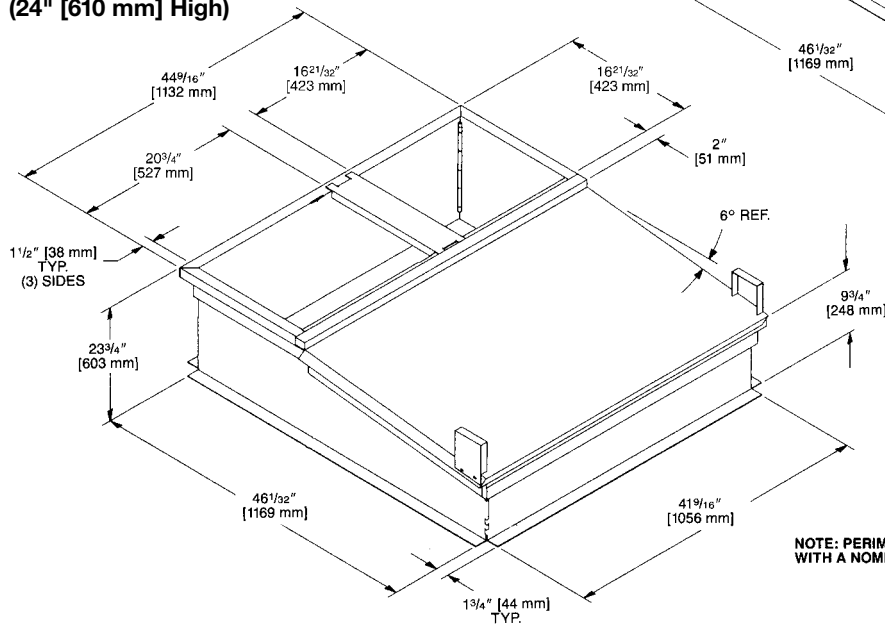


## Roofcurb (Sloped) RXQG-AAA14 & RXQG-AAA24 for RQPL- Series

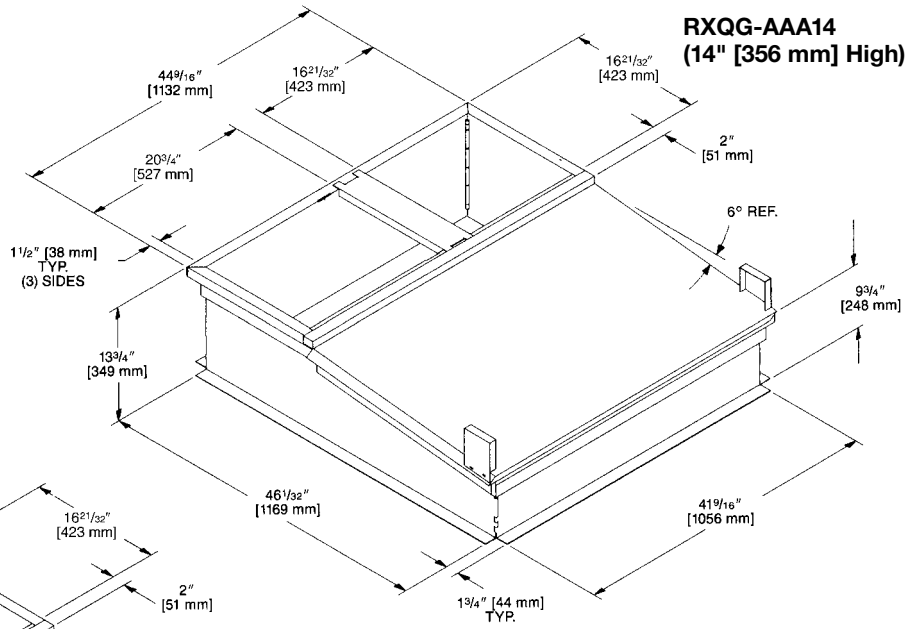
Note: Heat pump models must use sloped curbs.

Hinged corners make for fast, easy set-up.

### RXQG-AAA24 (24" [610 mm] High)

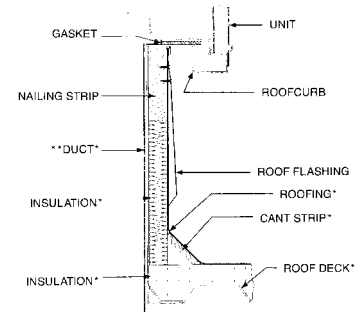
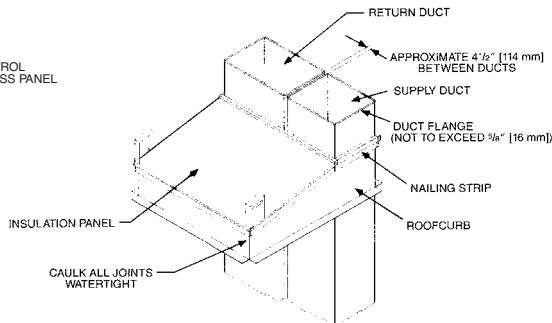
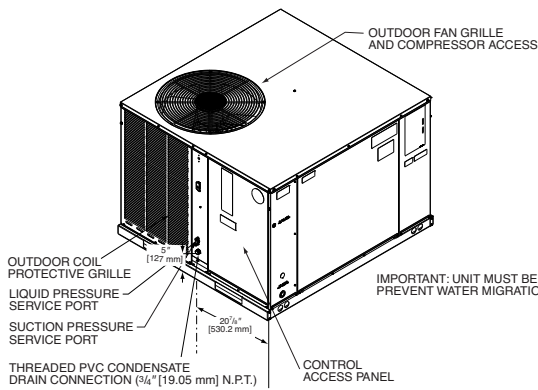


### RXQG-AAA14 (14" [356 mm] High)



NOTE: PERIMETER OF ROOFCURB IS SUPPLIED WITH A NOMINAL 1" [25.4 mm] x 4" [102 mm] PINE NAILING STRIP.

## Packaged Heat Pump Roofcurb Installation (Sloped)



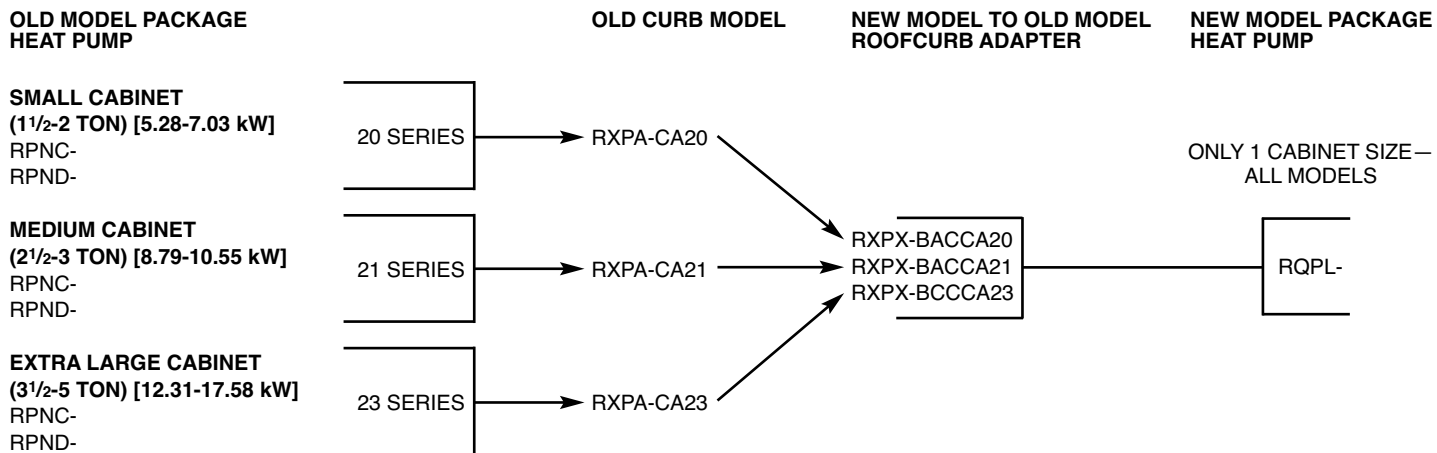
\*BY CONTRACTOR  
\*\*FOR INSTALLATION OF DUCT AS SHOWN, USE RECOMMENDED DUCT SIZES FROM ROOFCURB INSTALLATION INSTRUCTIONS. FOR DUCT FLANGE ATTACHMENT TO UNIT, SEE UNIT INSTALLATION INSTRUCTIONS FOR RECOMMENDED DUCT SIZES.

[ ] Designates Metric Conversions



## ROOFCURB ADAPTERS

Fabricated from galvanized steel to adapt the New cabinet to the old style curb. All are furnished with a New gasket.



[ ] Designates Metric Conversions