



Air

Package Air Conditioner  
RLPN/RLQN Series

The new degree of comfort.™

## Rheem *Commercial Classic*® Series Package Air Conditioner



\*Unit shown with  
optional louver  
panels installed.

### RLPN- 14 SEER Series

Featuring Industry Standard R-410A Refrigerant  
Nominal Sizes 3-5 Tons [10.6-17.6 kW]

### RLQN- 15 SEER Series

Featuring Industry Standard R-410A Refrigerant  
Nominal Sizes 3-5 Tons [10.6-17.6 kW]



(15 SEER/12.0  
EER ONLY)



INTEGRATED AIR & WATER

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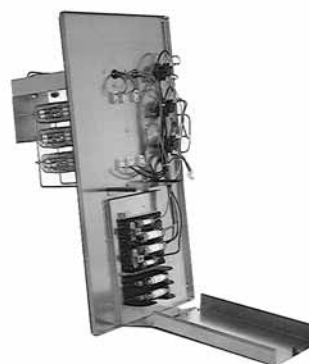
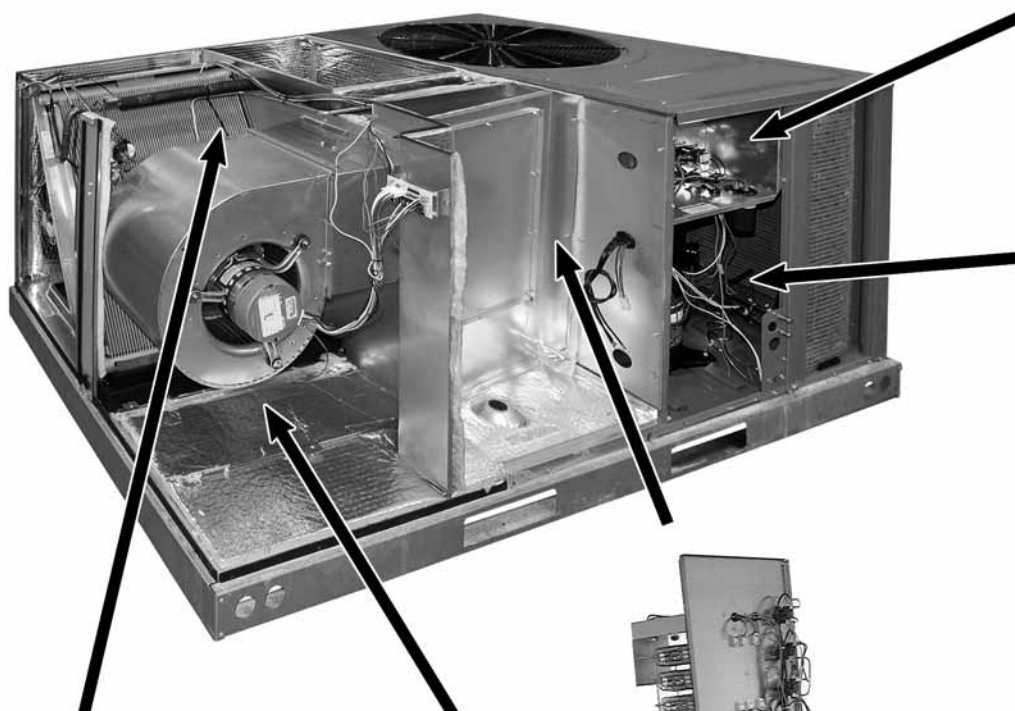
Air

Unit Features & Benefits  
RLPN/RLQN Series

#### Control Box Access



Compressor Access  
(3 to 5 Ton [10.6 to 17.6 kW] Models)



Optional Electric Heater Kit



#### Evaporator Coil/Filter Access

- Return air filters, normally provided, are removed in this photo.

- Non-corrosive plastic condensate pan

#### Blower Access

- Belt drive model shown. (Available on 3-phase models only.)



[ ] Designates Metric Conversions



INTEGRATED AIR & WATER



**RLPN - A036, A048, A060**  
**RLQN - A036, A048, A060**

## STANDARD FEATURES INCLUDE:

- R-410A HFC refrigerant.
- Complete factory charged, wired and run tested.
- Scroll compressors with internal line break overload and high-pressure protection.
- Single stage compressor on all models. (Except 5 ton 15 SEER) which utilizes two stage scroll.
- Convertible airflow.
- TXV refrigerant metering system.
- High Pressure and Low Pressure/Loss of charge protection standard on all models.
- Solid Core liquid line filter drier.
- Single slab, Micro Channel designed evaporator coil facilitates easy cleaning for maintained high efficiencies.
- Cooling operation up to 125 degree F ambient.
- Easily removable filter, blower, gas heat, and compressor/control access panels permits prompt service.
- Powder Paint Finish meets ASTM B117 steel coated on each side for maximum protection. G90 galvanized.
- One piece top cover and one piece base pan with drawn supply and return opening for superior water management.
- Externally mounted refrigerant gauge ports for easy service diagnostics.
- Factory or field-installed electric heat kits available up to 24 kW.
- Easy to install plug-in; slip in, 100% fully modulating economizer.
- Forkable base rails for easy handling and lifting.
- Single point electrical connections.
- Direct drive or high performance belt drive motor with variable pitch pulleys and quick adjust belt system.
- Permanently lubricated evaporator, condenser and gas heat inducer motors.
- Condenser motors are internally protected, totally enclosed with shaft down design.
- 1 inch filter standard with slide out design.
- Colored and labeled wiring.
- MicroChannel coils.
- Molded compressor plug.
- Micro Channel evaporator and condenser delivers superior performance with less refrigerant charge and less weight than conventional copper tube/aluminum fin coils. In addition the all aluminum construction has superior protection against formicary corrosion and aluminum tube rubbing potential. Its easier to clean and has a more robust surface.



## SELECTION PROCEDURES

### 1. Determine cooling and heating requirements at design conditions.

Example:

Power supply .....208/230 - 3 Phase  
 Total cooling capacity .....42,500 BTUH [12.44 kW]  
 Sensible cooling capacity .....34,000 BTUH [9.96 kW]  
 Heating capacity .....None  
 Condenser entering air .....95°F [35°C]  
 Evaporator entering air .....63°F [17°C] wb/76°F [24°C] db  
 Indoor air flow .....1600 CFM [755 L/s]  
 External static pressure .....1.1 in wg  
 Required efficiency .....13 SEER

### 2. Select unit to meet cooling requirements.

Since total cooling is within the range of 4 ton [14.07 kW] unit and requires 13 SEER efficiency level, enter cooling performance from the RLPN-A048 table, at 95°F [35°C] outdoor temperature, 63°F [17°C] wb entering indoor air, and 1600 CFM [755 L/s]:

Total capacity .....45,100 BTUH [13.21 kW]  
 Power supply .....44,100 BTUH [12.91 kW]  
 Power input .....3.6 kW

And also, at 76°F [24°C] db indoor entering air, and using the formula at the bottom of the page:

Sensible capacity .....38,327 BTUH [11.22 kW]

### 3. Determine blower speed and power to meet the system requirements.

At the given external static pressure of 1.1 in wg, the belt model must be selected. Enter the belt drive blower performance table at 1600 CFM [755 L/s] and 1.1 in wg ESP:

RPM .....1195  
 Watts .....755  
 Drive .....M

### 4. Calculate indoor blower BTUH heat effect.

BTUH = Watts x 3.413 = 2577

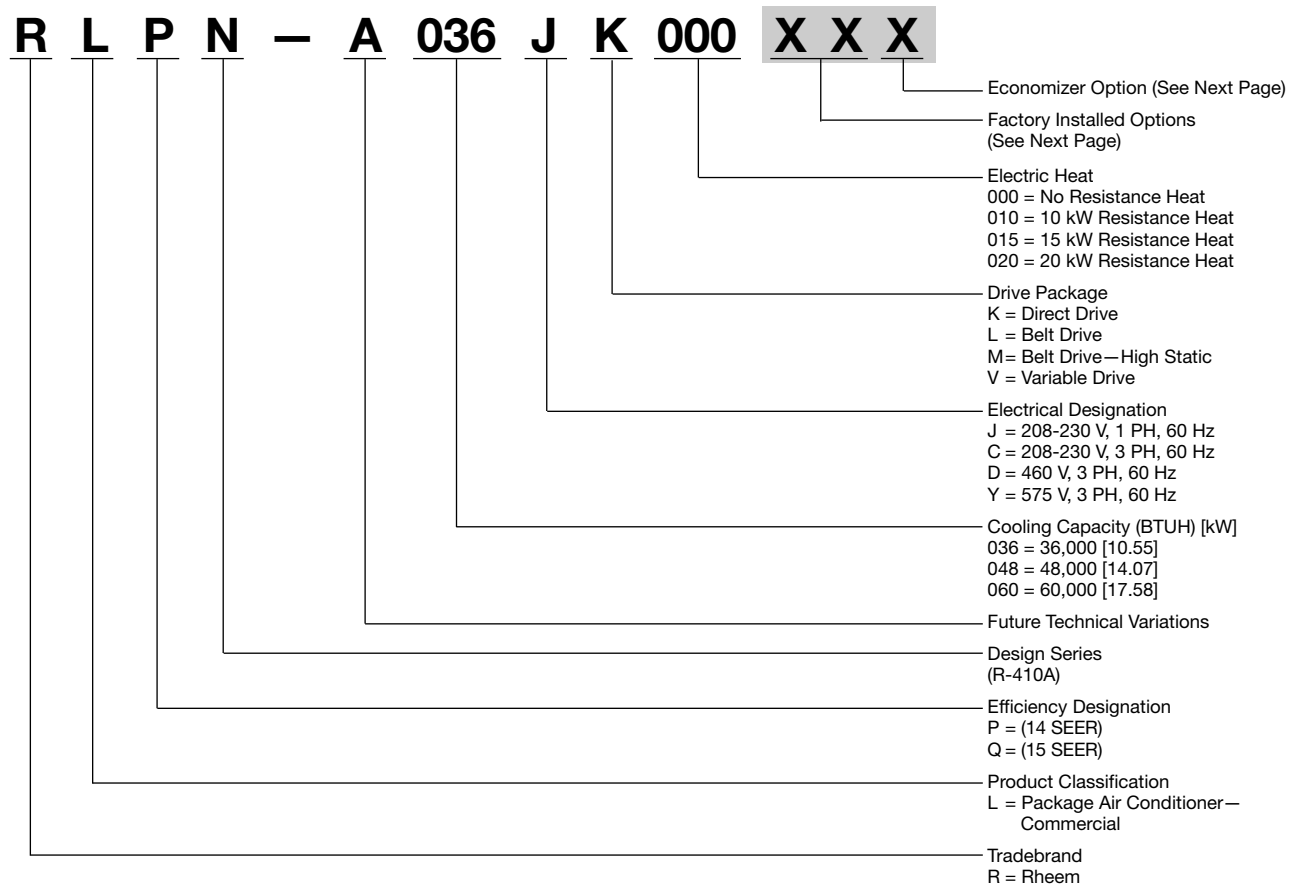
### 5. Calculate net cooling capacities.

Net total cooling = 45,100 – 2577 = 42,523 BTUH [12.45 kW]  
 Net sensible cooling = 36,908 – 2577 = 35,750 BTUH [10.06 kW]

### 6. Select Model

RLPN-A048CM000

[ ] Designates Metric Conversions



[ ] Designates Metric Conversions

## FACTORY INSTALLED OPTION CODES FOR RLPN- (3-5 Ton) [10.6-17.6 kW] (A036, A048, A060)

| Option Code | Hail Guard | Non-Powered<br>Conv. Outlet | Low Ambient/<br>Freeze Stat | Hinged Doors |
|-------------|------------|-----------------------------|-----------------------------|--------------|
| AA          | NO OPTIONS |                             |                             |              |
| AD          | X          |                             |                             |              |
| AG          |            | X                           |                             |              |
| AP          |            |                             | X                           |              |
| AV          |            |                             |                             | X            |
| BY          | X          |                             | X                           |              |
| BJ          | X          | X                           |                             |              |
| JC          |            | X                           | X                           |              |
| JK          | X          |                             |                             | X            |
| JL          |            | X                           |                             | X            |
| JP          |            |                             | X                           | X            |
| CX          | X          | X                           | X                           |              |
| KD          | X          | X                           |                             | X            |
| KG          | X          |                             | X                           | X            |
| KK          |            | X                           | X                           | X            |
| DS          | X          | X                           | X                           | X            |

Example: RLPN-A060JK000XX (where XX is factory installed option)

Example: No Options

RLPN-A060JK000

Example: No Options with Factory Installed Economizer

RLPN-A060JK000AAF

Example: Options with Hailguard with no Factory Installed Economizer

RLPN-A060JK000ADA

Example: Options same as above with Factory Installed Economizer

RLPN-A060JK000ADF

## ECONOMIZER SELECTION FOR RLPN- (3-5 Ton) [10.6-17.6 kW] (A036, A048, A060)

| Option Code | No Economizer | Economizer<br>No Smoke Detector | Economizer<br>With Smoke Detector |
|-------------|---------------|---------------------------------|-----------------------------------|
| A           | X             |                                 |                                   |
| F           |               | X                               |                                   |
| G           |               |                                 |                                   |

"X" indicates factory installed option.

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## NOMINAL SIZES 3-5 TONS [10.6-17.6 kW]

| Model RLPN- Series                           | A036CK                  | A036CL                  | A036CM                  | A036DK                  |
|----------------------------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| <b>Cooling Performance<sup>1</sup></b>       |                         |                         |                         | <b>CONTINUED →</b>      |
| Gross Cooling Capacity Btu [kW]              | 36,200 [10.61]          | 36,200 [10.61]          | 36,200 [10.61]          | 36,200 [10.61]          |
| EER/SEER <sup>2</sup>                        | 11.6/14                 | 11.6/14                 | 11.6/14                 | 11.6/14                 |
| Nominal CFM/AHRI Rated CFM [L/s]             | 1200/1250 [566/590]     | 1200/1250 [566/590]     | 1200/1250 [566/590]     | 1200/1250 [566/590]     |
| AHRI Net Cooling Capacity Btu [kW]           | 34,600 [10.14]          | 34,600 [10.14]          | 34,600 [10.14]          | 34,600 [10.14]          |
| Net Sensible Capacity Btu [kW]               | 25,300 [7.41]           | 25,300 [7.41]           | 25,300 [7.41]           | 25,300 [7.41]           |
| Net Latent Capacity Btu [kW]                 | 9,300 [2.72]            | 9,300 [2.72]            | 9,300 [2.72]            | 9,300 [2.72]            |
| Net System Power [kW]                        | 2.95                    | 2.95                    | 2.95                    | 2.95                    |
| <b>Compressor</b>                            |                         |                         |                         |                         |
| No./Type                                     | 1/Scroll                | 1/Scroll                | 1/Scroll                | 1/Scroll                |
| <b>Outdoor Sound Rating (dB)<sup>3</sup></b> | 78                      | 78                      | 78                      | 78                      |
| <b>Outdoor Coil—Fin Type</b>                 | Louvered                | Louvered                | Louvered                | Louvered                |
| Tube Type                                    | MicroChannel            | MicroChannel            | MicroChannel            | MicroChannel            |
| MicroChannel Depth in. [mm]                  | 0.7 [18]                | 0.7 [18]                | 0.7 [18]                | 0.7 [18]                |
| Face Area sq. ft. [sq. m]                    | 13.9 [1.29]             | 13.9 [1.29]             | 13.9 [1.29]             | 13.9 [1.29]             |
| Rows / FPI [FPcm]                            | 1 / 23 [9]              | 1 / 23 [9]              | 1 / 23 [9]              | 1 / 23 [9]              |
| <b>Indoor Coil—Fin Type</b>                  | Louvered                | Louvered                | Louvered                | Louvered                |
| Tube Type                                    | MicroChannel            | MicroChannel            | MicroChannel            | MicroChannel            |
| MicroChannel Depth in. [mm]                  | 1 [25]                  | 1 [25]                  | 1 [25]                  | 1 [25]                  |
| Face Area sq. ft. [sq. m]                    | 4.8 [0.45]              | 4.8 [0.45]              | 4.8 [0.45]              | 4.8 [0.45]              |
| Rows / FPI [FPcm]                            | 1 / 20 [8]              | 1 / 20 [8]              | 1 / 20 [8]              | 1 / 20 [8]              |
| Refrigerant Control                          | TX Valves               | TX Valves               | TX Valves               | TX Valves               |
| Drain Connection No./Size in. [mm]           | 1/0.75 [19.05]          | 1/0.75 [19.05]          | 1/0.75 [19.05]          | 1/0.75 [19.05]          |
| <b>Outdoor Fan—Type</b>                      | Propeller               | Propeller               | Propeller               | Propeller               |
| No. Used/Diameter in. [mm]                   | 1/24 [609.6]            | 1/24 [609.6]            | 1/24 [609.6]            | 1/24 [609.6]            |
| Drive Type/No. Speeds                        | Direct/1                | Direct/1                | Direct/1                | Direct/1                |
| CFM [L/s]                                    | 3680 [1737]             | 3680 [1737]             | 3680 [1737]             | 3680 [1737]             |
| No. Motors/HP                                | 1 at 1/3 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]                   | 1/10x10 [254x254]       | 1/10x10 [254x254]       | 1/10x10 [254x254]       | 1/10x10 [254x254]       |
| Drive Type                                   | Direct                  | Belt (Adjustable)       | Belt (Adjustable)       | Direct                  |
| No. Speeds                                   | Multiple                | Single                  | Single                  | Multiple                |
| No. Motors                                   | 1                       | 1                       | 1                       | 1                       |
| Motor HP                                     | 1/2                     | 1/2                     | 1/2                     | 1/2                     |
| Motor RPM                                    | 1075                    | 1725                    | 1725                    | 1075                    |
| Motor Frame Size                             | 48                      | 48                      | 56                      | 48                      |
| <b>Filter—Type</b>                           | Disposable              | Disposable              | Disposable              | Disposable              |
| Furnished                                    | Yes                     | Yes                     | Yes                     | Yes                     |
| (NO.) Size Recommended in. [mm x mm x mm]    | (1)1x16x25 [25x406x635] | (1)1x16x25 [25x406x635] | (1)1x16x25 [25x406x635] | (1)1x16x25 [25x406x635] |
|                                              | (1)1x16x25 [25x406x635] | (1)1x16x25 [25x406x635] | (1)1x16x25 [25x406x635] | (1)1x16x25 [25x406x635] |
| <b>Refrigerant Charge Oz. [g]</b>            | 54 [1531]               | 54 [1531]               | 54 [1531]               | 54 [1531]               |
| <b>Weights</b>                               |                         |                         |                         |                         |
| Net Weight lbs. [kg]                         | 453 [206]               | 471 [214]               | 471 [214]               | 453 [206]               |
| Ship Weight lbs. [kg]                        | 460 [209]               | 478 [217]               | 478 [217]               | 460 [209]               |

See Page 22 for Notes.

[ ] Designates Metric Conversions

# NOMINAL SIZES 3-5 TONS [10.6-17.6 kW]

| Model RLPN- Series                           | A036DL                  | A036DM                  | A036JK                  | A036YL                                                                                               |
|----------------------------------------------|-------------------------|-------------------------|-------------------------|------------------------------------------------------------------------------------------------------|
| <b>Cooling Performance<sup>1</sup></b>       |                         |                         |                         | <b>CONTINUED</b>  |
| Gross Cooling Capacity Btu [kW]              | 36,200 [10.61]          | 36,200 [10.61]          | 36,200 [10.61]          | 36,200 [10.61]                                                                                       |
| EER/SEER <sup>2</sup>                        | 11.6/14                 | 11.6/14                 | 11.6/14                 | 11.6/14                                                                                              |
| Nominal CFM/AHRI Rated CFM [L/s]             | 1200/1250 [566/590]     | 1200/1250 [566/590]     | 1200/1250 [566/590]     | 1200/1250 [566/590]                                                                                  |
| AHRI Net Cooling Capacity Btu [kW]           | 34,600 [10.14]          | 34,600 [10.14]          | 34,600 [10.14]          | 34,600 [10.14]                                                                                       |
| Net Sensible Capacity Btu [kW]               | 25,300 [7.41]           | 25,300 [7.41]           | 25,300 [7.41]           | 25,300 [7.41]                                                                                        |
| Net Latent Capacity Btu [kW]                 | 9,300 [2.72]            | 9,300 [2.72]            | 9,300 [2.72]            | 9,300 [2.72]                                                                                         |
| Net System Power [kW]                        | 2.95                    | 2.95                    | 2.95                    | 2.95                                                                                                 |
| <b>Compressor</b>                            |                         |                         |                         |                                                                                                      |
| No./Type                                     | 1/Scroll                | 1/Scroll                | 1/Scroll                | 1/Scroll                                                                                             |
| <b>Outdoor Sound Rating (dB)<sup>3</sup></b> | 78                      | 78                      | 78                      | 78                                                                                                   |
| <b>Outdoor Coil—Fin Type</b>                 | Louvered                | Louvered                | Louvered                | Louvered                                                                                             |
| Tube Type                                    | MicroChannel            | MicroChannel            | MicroChannel            | MicroChannel                                                                                         |
| MicroChannel Depth in. [mm]                  | 0.7 [18]                | 0.7 [18]                | 0.7 [18]                | 0.7 [18]                                                                                             |
| Face Area sq. ft. [sq. m]                    | 13.9 [1.29]             | 13.9 [1.29]             | 13.9 [1.29]             | 13.9 [1.29]                                                                                          |
| Rows / FPI [FPcm]                            | 1 / 23 [9]              | 1 / 23 [9]              | 1 / 23 [9]              | 1 / 23 [9]                                                                                           |
| <b>Indoor Coil—Fin Type</b>                  | Louvered                | Louvered                | Louvered                | Louvered                                                                                             |
| Tube Type                                    | MicroChannel            | MicroChannel            | MicroChannel            | MicroChannel                                                                                         |
| MicroChannel Depth in. [mm]                  | 1 [25]                  | 1 [25]                  | 1 [25]                  | 1 [25]                                                                                               |
| Face Area sq. ft. [sq. m]                    | 4.8 [0.45]              | 4.8 [0.45]              | 4.8 [0.45]              | 4.8 [0.45]                                                                                           |
| Rows / FPI [FPcm]                            | 1 / 20 [8]              | 1 / 20 [8]              | 1 / 20 [8]              | 1 / 20 [8]                                                                                           |
| Refrigerant Control                          | TX Valves               | TX Valves               | TX Valves               | TX Valves                                                                                            |
| Drain Connection No./Size in. [mm]           | 1/0.75 [19.05]          | 1/0.75 [19.05]          | 1/0.75 [19.05]          | 1/0.75 [19.05]                                                                                       |
| <b>Outdoor Fan—Type</b>                      | Propeller               | Propeller               | Propeller               | Propeller                                                                                            |
| No. Used/Diameter in. [mm]                   | 1/24 [609.6]            | 1/24 [609.6]            | 1/24 [609.6]            | 1/24 [609.6]                                                                                         |
| Drive Type/No. Speeds                        | Direct/1                | Direct/1                | Direct/1                | Direct/1                                                                                             |
| CFM [L/s]                                    | 3680 [1737]             | 3680 [1737]             | 3680 [1737]             | 3680 [1737]                                                                                          |
| No. Motors/HP                                | 1 at 1/3 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]                   | 1/10x10 [254x254]       | 1/10x10 [254x254]       | 1/10x10 [254x254]       | 1/10x10 [254x254]                                                                                    |
| Drive Type                                   | Belt (Adjustable)       | Belt (Adjustable)       | Direct                  | Belt (Adjustable)                                                                                    |
| No. Speeds                                   | Single                  | Single                  | Multiple                | Single                                                                                               |
| No. Motors                                   | 1                       | 1                       | 1                       | 1                                                                                                    |
| Motor HP                                     | 1/2                     | 1/2                     | 1/2                     | 3/4                                                                                                  |
| Motor RPM                                    | 1725                    | 1725                    | 1075                    | 1725                                                                                                 |
| Motor Frame Size                             | 48                      | 56                      | 48                      | 56                                                                                                   |
| <b>Filter—Type</b>                           | Disposable              | Disposable              | Disposable              | Disposable                                                                                           |
| Furnished                                    | Yes                     | Yes                     | Yes                     | Yes                                                                                                  |
| (NO.) Size Recommended in. [mm x mm x mm]    | (1)1x16x25 [25x406x635] | (1)1x16x25 [25x406x635] | (1)1x16x25 [25x406x635] | (1)1x16x25 [25x406x635]                                                                              |
|                                              | (1)1x16x25 [25x406x635] | (1)1x16x25 [25x406x635] | (1)1x16x25 [25x406x635] | (1)1x16x25 [25x406x635]                                                                              |
| <b>Refrigerant Charge Oz. [g]</b>            | 54 [1531]               | 54 [1531]               | 54 [1531]               | 54 [1531]                                                                                            |
| <b>Weights</b>                               |                         |                         |                         |                                                                                                      |
| Net Weight lbs. [kg]                         | 471 [214]               | 471 [214]               | 453 [206]               | 471 [214]                                                                                            |
| Ship Weight lbs. [kg]                        | 478 [217]               | 478 [217]               | 460 [209]               | 478 [217]                                                                                            |

See Page 22 for Notes.

[ ] Designates Metric Conversions

## NOMINAL SIZES 3-5 TONS [10.6-17.6 kW]

| Model RLPN- Series                           | A036YM                                             | A048CK                                             | A048CL                                             | A048CM                                                                                               |
|----------------------------------------------|----------------------------------------------------|----------------------------------------------------|----------------------------------------------------|------------------------------------------------------------------------------------------------------|
| <b>Cooling Performance<sup>1</sup></b>       |                                                    |                                                    |                                                    | <b>CONTINUED</b>  |
| Gross Cooling Capacity Btu [kW]              | 36,200 [10.61]                                     | 48,000 [14.06]                                     | 48,000 [14.06]                                     | 48,000 [14.06]                                                                                       |
| EER/SEER <sup>2</sup>                        | 11.6/14                                            | 11.6/14                                            | 11.6/14                                            | 11.6/14                                                                                              |
| Nominal CFM/AHRI Rated CFM [L/s]             | 1200/1250 [566/590]                                | 1600/1500 [755/708]                                | 1600/1500 [755/708]                                | 1600/1500 [755/708]                                                                                  |
| AHRI Net Cooling Capacity Btu [kW]           | 34,600 [10.14]                                     | 46,000 [13.48]                                     | 46,000 [13.48]                                     | 46,000 [13.48]                                                                                       |
| Net Sensible Capacity Btu [kW]               | 25,300 [7.41]                                      | 34,000 [9.96]                                      | 34,000 [9.96]                                      | 34,000 [9.96]                                                                                        |
| Net Latent Capacity Btu [kW]                 | 9,300 [2.72]                                       | 12,000 [3.52]                                      | 12,000 [3.52]                                      | 12,000 [3.52]                                                                                        |
| Net System Power [kW]                        | 2.95                                               | 3.93                                               | 3.93                                               | 3.93                                                                                                 |
| <b>Compressor</b>                            |                                                    |                                                    |                                                    |                                                                                                      |
| No./Type                                     | 1/Scroll                                           | 1/Scroll                                           | 1/Scroll                                           | 1/Scroll                                                                                             |
| <b>Outdoor Sound Rating (dB)<sup>3</sup></b> | 78                                                 | 78                                                 | 78                                                 | 78                                                                                                   |
| <b>Outdoor Coil—Fin Type</b>                 | Louvered                                           | Louvered                                           | Louvered                                           | Louvered                                                                                             |
| Tube Type                                    | MicroChannel                                       | MicroChannel                                       | MicroChannel                                       | MicroChannel                                                                                         |
| MicroChannel Depth in. [mm]                  | 0.7 [18]                                           | 0.7 [18]                                           | 0.7 [18]                                           | 0.7 [18]                                                                                             |
| Face Area sq. ft. [sq. m]                    | 13.9 [1.29]                                        | 16.4 [1.52]                                        | 16.4 [1.52]                                        | 16.4 [1.52]                                                                                          |
| Rows / FPI [FPcm]                            | 1 / 23 [9]                                         | 1 / 23 [9]                                         | 1 / 23 [9]                                         | 1 / 23 [9]                                                                                           |
| <b>Indoor Coil—Fin Type</b>                  | Louvered                                           | Louvered                                           | Louvered                                           | Louvered                                                                                             |
| Tube Type                                    | MicroChannel                                       | MicroChannel                                       | MicroChannel                                       | MicroChannel                                                                                         |
| MicroChannel Depth in. [mm]                  | 1 [25]                                             | 1.3 [32]                                           | 1.3 [32]                                           | 1.3 [32]                                                                                             |
| Face Area sq. ft. [sq. m]                    | 4.8 [0.45]                                         | 4.8 [0.45]                                         | 4.8 [0.45]                                         | 4.8 [0.45]                                                                                           |
| Rows / FPI [FPcm]                            | 1 / 20 [8]                                         | 1 / 20 [8]                                         | 1 / 20 [8]                                         | 1 / 20 [8]                                                                                           |
| Refrigerant Control                          | TX Valves                                          | TX Valves                                          | TX Valves                                          | TX Valves                                                                                            |
| Drain Connection No./Size in. [mm]           | 1/0.75 [19.05]                                     | 1/0.75 [19.05]                                     | 1/0.75 [19.05]                                     | 1/0.75 [19.05]                                                                                       |
| <b>Outdoor Fan—Type</b>                      | Propeller                                          | Propeller                                          | Propeller                                          | Propeller                                                                                            |
| No. Used/Diameter in. [mm]                   | 1/24 [609.6]                                       | 1/24 [609.6]                                       | 1/24 [609.6]                                       | 1/24 [609.6]                                                                                         |
| Drive Type/No. Speeds                        | Direct/1                                           | Direct/1                                           | Direct/1                                           | Direct/1                                                                                             |
| CFM [L/s]                                    | 3680 [1737]                                        | 3680 [1737]                                        | 3680 [1737]                                        | 3680 [1737]                                                                                          |
| No. Motors/HP                                | 1 at 1/3 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]                   | 1/10x10 [254x254]                                  | 1/10x10 [254x254]                                  | 1/10x10 [254x254]                                  | 1/10x10 [254x254]                                                                                    |
| Drive Type                                   | Belt (Adjustable)                                  | Direct                                             | Belt (Adjustable)                                  | Belt (Adjustable)                                                                                    |
| No. Speeds                                   | Single                                             | Multiple                                           | Single                                             | Single                                                                                               |
| No. Motors                                   | 1                                                  | 1                                                  | 1                                                  | 1                                                                                                    |
| Motor HP                                     | 3/4                                                | 1/2                                                | 1/2                                                | 3/4                                                                                                  |
| Motor RPM                                    | 1725                                               | 1075                                               | 1725                                               | 1725                                                                                                 |
| Motor Frame Size                             | 56                                                 | 48                                                 | 48                                                 | 56                                                                                                   |
| <b>Filter—Type</b>                           | Disposable                                         | Disposable                                         | Disposable                                         | Disposable                                                                                           |
| Furnished                                    | Yes                                                | Yes                                                | Yes                                                | Yes                                                                                                  |
| (NO.) Size Recommended in. [mm x mm x mm]    | (1)1x16x25 [25x406x635]<br>(1)1x16x25 [25x406x635] | (1)1x16x25 [25x406x635]<br>(1)1x16x25 [25x406x635] | (1)1x16x25 [25x406x635]<br>(1)1x16x25 [25x406x635] | (1)1x16x25 [25x406x635]<br>(1)1x16x25 [25x406x635]                                                   |
| <b>Refrigerant Charge Oz. [g]</b>            | 54 [1531]                                          | 68 [1928]                                          | 68 [1928]                                          | 68 [1928]                                                                                            |
| <b>Weights</b>                               |                                                    |                                                    |                                                    |                                                                                                      |
| Net Weight lbs. [kg]                         | 471 [214]                                          | 477 [216]                                          | 495 [225]                                          | 496 [225]                                                                                            |
| Ship Weight lbs. [kg]                        | 478 [217]                                          | 484 [220]                                          | 502 [228]                                          | 503 [228]                                                                                            |

See Page 22 for Notes.

[ ] Designates Metric Conversions

## NOMINAL SIZES 3-5 TONS [10.6-17.6 kW]

| Model RLPN- Series                           | A048DK                  | A048DL                  | A048DM                  | A048JK                  |
|----------------------------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| <b>Cooling Performance<sup>1</sup></b>       |                         |                         |                         | <b>CONTINUED →</b>      |
| Gross Cooling Capacity Btu [kW]              | 48,000 [14.06]          | 48,000 [14.06]          | 48,000 [14.06]          | 48,000 [14.06]          |
| EER/SEER <sup>2</sup>                        | 11.6/14                 | 11.6/14                 | 11.6/14                 | 11.6/14                 |
| Nominal CFM/AHRI Rated CFM [L/s]             | 1600/1500 [755/708]     | 1600/1500 [755/708]     | 1600/1500 [755/708]     | 1600/1500 [755/708]     |
| AHRI Net Cooling Capacity Btu [kW]           | 46,000 [13.48]          | 46,000 [13.48]          | 46,000 [13.48]          | 46,000 [13.48]          |
| Net Sensible Capacity Btu [kW]               | 34,000 [9.96]           | 34,000 [9.96]           | 34,000 [9.96]           | 34,000 [9.96]           |
| Net Latent Capacity Btu [kW]                 | 12,000 [3.52]           | 12,000 [3.52]           | 12,000 [3.52]           | 12,000 [3.52]           |
| Net System Power [kW]                        | 3.93                    | 3.93                    | 3.93                    | 3.93                    |
| <b>Compressor</b>                            |                         |                         |                         |                         |
| No./Type                                     | 1/Scroll                | 1/Scroll                | 1/Scroll                | 1/Scroll                |
| <b>Outdoor Sound Rating (dB)<sup>3</sup></b> | 78                      | 78                      | 78                      | 78                      |
| <b>Outdoor Coil—Fin Type</b>                 | Louvered                | Louvered                | Louvered                | Louvered                |
| Tube Type                                    | MicroChannel            | MicroChannel            | MicroChannel            | MicroChannel            |
| MicroChannel Depth in. [mm]                  | 0.7 [18]                | 0.7 [18]                | 0.7 [18]                | 0.7 [18]                |
| Face Area sq. ft. [sq. m]                    | 16.4 [1.52]             | 16.4 [1.52]             | 16.4 [1.52]             | 16.4 [1.52]             |
| Rows / FPI [FPcm]                            | 1 / 23 [9]              | 1 / 23 [9]              | 1 / 23 [9]              | 1 / 23 [9]              |
| <b>Indoor Coil—Fin Type</b>                  | Louvered                | Louvered                | Louvered                | Louvered                |
| Tube Type                                    | MicroChannel            | MicroChannel            | MicroChannel            | MicroChannel            |
| MicroChannel Depth in. [mm]                  | 1.3 [32]                | 1.3 [32]                | 1.3 [32]                | 1.3 [32]                |
| Face Area sq. ft. [sq. m]                    | 4.8 [0.45]              | 4.8 [0.45]              | 4.8 [0.45]              | 4.8 [0.45]              |
| Rows / FPI [FPcm]                            | 1 / 20 [8]              | 1 / 20 [8]              | 1 / 20 [8]              | 1 / 20 [8]              |
| Refrigerant Control                          | TX Valves               | TX Valves               | TX Valves               | TX Valves               |
| Drain Connection No./Size in. [mm]           | 1/0.75 [19.05]          | 1/0.75 [19.05]          | 1/0.75 [19.05]          | 1/0.75 [19.05]          |
| <b>Outdoor Fan—Type</b>                      | Propeller               | Propeller               | Propeller               | Propeller               |
| No. Used/Diameter in. [mm]                   | 1/24 [609.6]            | 1/24 [609.6]            | 1/24 [609.6]            | 1/24 [609.6]            |
| Drive Type/No. Speeds                        | Direct/1                | Direct/1                | Direct/1                | Direct/1                |
| CFM [L/s]                                    | 3680 [1737]             | 3680 [1737]             | 3680 [1737]             | 3680 [1737]             |
| No. Motors/HP                                | 1 at 1/3 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]                   | 1/10x10 [254x254]       | 1/10x10 [254x254]       | 1/10x10 [254x254]       | 1/10x10 [254x254]       |
| Drive Type                                   | Direct                  | Belt (Adjustable)       | Belt (Adjustable)       | Direct                  |
| No. Speeds                                   | Multiple                | Single                  | Single                  | Multiple                |
| No. Motors                                   | 1                       | 1                       | 1                       | 1                       |
| Motor HP                                     | 1/2                     | 1/2                     | 3/4                     | 1/2                     |
| Motor RPM                                    | 1075                    | 1725                    | 1725                    | 1075                    |
| Motor Frame Size                             | 48                      | 48                      | 56                      | 48                      |
| <b>Filter—Type</b>                           | Disposable              | Disposable              | Disposable              | Disposable              |
| Furnished                                    | Yes                     | Yes                     | Yes                     | Yes                     |
| (NO.) Size Recommended in. [mm x mm x mm]    | (1)1x16x25 [25x406x635] | (1)1x16x25 [25x406x635] | (1)1x16x25 [25x406x635] | (1)1x16x25 [25x406x635] |
|                                              | (1)1x16x25 [25x406x635] | (1)1x16x25 [25x406x635] | (1)1x16x25 [25x406x635] | (1)1x16x25 [25x406x635] |
| <b>Refrigerant Charge Oz. [g]</b>            | 68 [1928]               | 68 [1928]               | 68 [1928]               | 68 [1928]               |
| <b>Weights</b>                               |                         |                         |                         |                         |
| Net Weight lbs. [kg]                         | 477 [216]               | 495 [225]               | 496 [225]               | 477 [216]               |
| Ship Weight lbs. [kg]                        | 484 [220]               | 502 [228]               | 503 [228]               | 484 [220]               |

See Page 22 for Notes.

[ ] Designates Metric Conversions



## NOMINAL SIZES 3-5 TONS [10.6-17.6 kW]

| Model RLPN- Series                           | A048YL                                             | A048YM                                             |
|----------------------------------------------|----------------------------------------------------|----------------------------------------------------|
| <b>Cooling Performance<sup>1</sup></b>       |                                                    |                                                    |
| Gross Cooling Capacity Btu [kW]              | 48,000 [14.06]                                     | 48,000 [14.06]                                     |
| EER/SEER <sup>2</sup>                        | 11.6/14                                            | 11.6/14                                            |
| Nominal CFM/AHRI Rated CFM [L/s]             | 1600/1500 [755/708]                                | 1600/1500 [755/708]                                |
| AHRI Net Cooling Capacity Btu [kW]           | 46,000 [13.48]                                     | 46,000 [13.48]                                     |
| Net Sensible Capacity Btu [kW]               | 34,000 [9.96]                                      | 34,000 [9.96]                                      |
| Net Latent Capacity Btu [kW]                 | 12,000 [3.52]                                      | 12,000 [3.52]                                      |
| Net System Power [kW]                        | 3.93                                               | 3.93                                               |
| <b>Compressor</b>                            |                                                    |                                                    |
| No./Type                                     | 1/Scroll                                           | 1/Scroll                                           |
| <b>Outdoor Sound Rating (dB)<sup>3</sup></b> |                                                    |                                                    |
|                                              | 78                                                 | 78                                                 |
| <b>Outdoor Coil—Fin Type</b>                 |                                                    |                                                    |
|                                              | Louvered                                           | Louvered                                           |
| Tube Type                                    | MicroChannel                                       | MicroChannel                                       |
| MicroChannel Depth in. [mm]                  | 0.7 [18]                                           | 0.7 [18]                                           |
| Face Area sq. ft. [sq. m]                    | 16.4 [1.52]                                        | 16.4 [1.52]                                        |
| Rows / FPI [FPcm]                            | 1 / 23 [9]                                         | 1 / 23 [9]                                         |
| <b>Indoor Coil—Fin Type</b>                  |                                                    |                                                    |
|                                              | Louvered                                           | Louvered                                           |
| Tube Type                                    | MicroChannel                                       | MicroChannel                                       |
| MicroChannel Depth in. [mm]                  | 1.3 [32]                                           | 1.3 [32]                                           |
| Face Area sq. ft. [sq. m]                    | 4.8 [0.45]                                         | 4.8 [0.45]                                         |
| Rows / FPI [FPcm]                            | 1 / 20 [8]                                         | 1 / 20 [8]                                         |
| Refrigerant Control                          | TX Valves                                          | TX Valves                                          |
| Drain Connection No./Size in. [mm]           | 1/0.75 [19.05]                                     | 1/0.75 [19.05]                                     |
| <b>Outdoor Fan—Type</b>                      |                                                    |                                                    |
|                                              | Propeller                                          | Propeller                                          |
| No. Used/Diameter in. [mm]                   | 1/24 [609.6]                                       | 1/24 [609.6]                                       |
| Drive Type/No. Speeds                        | Direct/1                                           | Direct/1                                           |
| CFM [L/s]                                    | 3680 [1737]                                        | 3680 [1737]                                        |
| No. Motors/HP                                | 1 at 1/3 HP                                        | 1 at 1/3 HP                                        |
| Motor RPM                                    | 1075                                               | 1075                                               |
| <b>Indoor Fan—Type</b>                       |                                                    |                                                    |
|                                              | FC Centrifugal                                     | FC Centrifugal                                     |
| No. Used/Diameter in. [mm]                   | 1/10x10 [254x254]                                  | 1/10x10 [254x254]                                  |
| Drive Type                                   | Belt (Adjustable)                                  | Belt (Adjustable)                                  |
| No. Speeds                                   | Single                                             | Single                                             |
| No. Motors                                   | 1                                                  | 1                                                  |
| Motor HP                                     | 3/4                                                | 3/4                                                |
| Motor RPM                                    | 1725                                               | 1725                                               |
| Motor Frame Size                             | 56                                                 | 56                                                 |
| <b>Filter—Type</b>                           |                                                    |                                                    |
| Furnished                                    | Yes                                                | Yes                                                |
| (NO.) Size Recommended in. [mm x mm x mm]    | (1)1x16x25 [25x406x635]<br>(1)1x16x25 [25x406x635] | (1)1x16x25 [25x406x635]<br>(1)1x16x25 [25x406x635] |
| <b>Refrigerant Charge Oz. [g]</b>            |                                                    |                                                    |
|                                              | 68 [1928]                                          | 68 [1928]                                          |
| <b>Weights</b>                               |                                                    |                                                    |
| Net Weight lbs. [kg]                         | 496 [225]                                          | 496 [225]                                          |
| Ship Weight lbs. [kg]                        | 503 [228]                                          | 503 [228]                                          |

See Page 22 for Notes.

[ ] Designates Metric Conversions

## NOMINAL SIZES 3-5 TONS [10.6-17.6 kW]

| Model RLPN- Series                           | A060CK                  | A060CL                  | A060CM                  | A060DK                  |
|----------------------------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| <b>Cooling Performance<sup>1</sup></b>       |                         |                         |                         | <b>CONTINUED →</b>      |
| Gross Cooling Capacity Btu [kW]              | 60,000 [17.58]          | 60,000 [17.58]          | 60,000 [17.58]          | 60,000 [17.58]          |
| EER/SEER <sup>2</sup>                        | 11.6/14                 | 11.6/14                 | 11.6/14                 | 11.6/14                 |
| Nominal CFM/AHRI Rated CFM [L/s]             | 2000/1800 [944/849]     | 2000/1800 [944/849]     | 2000/1800 [944/849]     | 2000/1800 [944/849]     |
| AHRI Net Cooling Capacity Btu [kW]           | 58,500 [17.14]          | 58,500 [17.14]          | 58,500 [17.14]          | 58,500 [17.14]          |
| Net Sensible Capacity Btu [kW]               | 41,700 [12.22]          | 41,700 [12.22]          | 41,700 [12.22]          | 41,700 [12.22]          |
| Net Latent Capacity Btu [kW]                 | 16,800 [4.92]           | 16,800 [4.92]           | 16,800 [4.92]           | 16,800 [4.92]           |
| Net System Power [kW]                        | 4.95                    | 4.95                    | 4.95                    | 4.95                    |
| <b>Compressor</b>                            |                         |                         |                         |                         |
| No./Type                                     | 1/Scroll                | 1/Scroll                | 1/Scroll                | 1/Scroll                |
| <b>Outdoor Sound Rating (dB)<sup>3</sup></b> | 83                      | 83                      | 83                      | 83                      |
| <b>Outdoor Coil—Fin Type</b>                 | Louvered                | Louvered                | Louvered                | Louvered                |
| Tube Type                                    | MicroChannel            | MicroChannel            | MicroChannel            | MicroChannel            |
| Tube Size in. [mm]                           | 0.7 [18]                | 0.7 [18]                | 0.7 [18]                | 0.7 [18]                |
| Face Area sq. ft. [sq. m]                    | 16.4 [1.52]             | 16.4 [1.52]             | 16.4 [1.52]             | 16.4 [1.52]             |
| Rows / FPI [FPcm]                            | 1 / 23 [9]              | 1 / 23 [9]              | 1 / 23 [9]              | 1 / 23 [9]              |
| <b>Indoor Coil—Fin Type</b>                  | Louvered                | Louvered                | Louvered                | Louvered                |
| Tube Type                                    | MicroChannel            | MicroChannel            | MicroChannel            | MicroChannel            |
| Tube Size in. [mm]                           | 1.3 [32]                | 1.3 [32]                | 1.3 [32]                | 1.3 [32]                |
| Face Area sq. ft. [sq. m]                    | 4.8 [0.45]              | 4.8 [0.45]              | 4.8 [0.45]              | 4.8 [0.45]              |
| Rows / FPI [FPcm]                            | 1 / 20 [8]              | 1 / 20 [8]              | 1 / 20 [8]              | 1 / 20 [8]              |
| Refrigerant Control                          | TX Valves               | TX Valves               | TX Valves               | TX Valves               |
| Drain Connection No./Size in. [mm]           | 1/0.75 [19.05]          | 1/0.75 [19.05]          | 1/0.75 [19.05]          | 1/0.75 [19.05]          |
| <b>Outdoor Fan—Type</b>                      | Propeller               | Propeller               | Propeller               | Propeller               |
| No. Used/Diameter in. [mm]                   | 1/24 [609.6]            | 1/24 [609.6]            | 1/24 [609.6]            | 1/24 [609.6]            |
| Drive Type/No. Speeds                        | Direct/1                | Direct/1                | Direct/1                | Direct/1                |
| CFM [L/s]                                    | 3930 [1855]             | 3930 [1855]             | 3930 [1855]             | 3930 [1855]             |
| No. Motors/HP                                | 1 at 1/3 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]                   | 1/10x10 [254x254]       | 1/11x10 [279x254]       | 1/11x10 [279x254]       | 1/10x10 [254x254]       |
| Drive Type                                   | Direct                  | Belt (Adjustable)       | Belt (Adjustable)       | Direct                  |
| No. Speeds                                   | Multiple                | Single                  | Single                  | Multiple                |
| No. Motors                                   | 1                       | 1                       | 1                       | 1                       |
| Motor HP                                     | 1                       | 3/4                     | 1                       | 1                       |
| Motor RPM                                    | 1075                    | 1725                    | 1725                    | 1075                    |
| Motor Frame Size                             | 48                      | 56                      | 56                      | 48                      |
| <b>Filter—Type</b>                           | Disposable              | Disposable              | Disposable              | Disposable              |
| Furnished                                    | Yes                     | Yes                     | Yes                     | Yes                     |
| (NO.) Size Recommended in. [mm x mm x mm]    | (1)1x16x25 [25x406x635] | (1)1x16x25 [25x406x635] | (1)1x16x25 [25x406x635] | (1)1x16x25 [25x406x635] |
|                                              | (1)1x16x25 [25x406x635] | (1)1x16x25 [25x406x635] | (1)1x16x25 [25x406x635] | (1)1x16x25 [25x406x635] |
| <b>Refrigerant Charge Oz. [g]</b>            | 63 [1786]               | 63 [1786]               | 63 [1786]               | 63 [1786]               |
| <b>Weights</b>                               |                         |                         |                         |                         |
| Net Weight lbs. [kg]                         | 482 [219]               | 503 [228]               | 508 [230]               | 482 [219]               |
| Ship Weight lbs. [kg]                        | 489 [222]               | 510 [231]               | 515 [234]               | 489 [222]               |

See Page 22 for Notes.

[ ] Designates Metric Conversions

## NOMINAL SIZES 3-5 TONS [10.6-17.6 kW]

| Model RLPN- Series                           | A060DL                  | A060DM                  | A060JK                  | A060YL                                                                                               |
|----------------------------------------------|-------------------------|-------------------------|-------------------------|------------------------------------------------------------------------------------------------------|
| <b>Cooling Performance<sup>1</sup></b>       |                         |                         |                         | <b>CONTINUED</b>  |
| Gross Cooling Capacity Btu [kW]              | 60,000 [17.58]          | 60,000 [17.58]          | 60,000 [17.58]          | 60,000 [17.58]                                                                                       |
| EER/SEER <sup>2</sup>                        | 11.6/14                 | 11.6/14                 | 11.6/14                 | 11.6/14                                                                                              |
| Nominal CFM/AHRI Rated CFM [L/s]             | 2000/1800 [944/849]     | 2000/1800 [944/849]     | 2000/1800 [944/849]     | 2000/1800 [944/849]                                                                                  |
| AHRI Net Cooling Capacity Btu [kW]           | 58,500 [17.14]          | 58,500 [17.14]          | 58,500 [17.14]          | 58,500 [17.14]                                                                                       |
| Net Sensible Capacity Btu [kW]               | 41,700 [12.22]          | 41,700 [12.22]          | 41,700 [12.22]          | 41,700 [12.22]                                                                                       |
| Net Latent Capacity Btu [kW]                 | 16,800 [4.92]           | 16,800 [4.92]           | 16,800 [4.92]           | 16,800 [4.92]                                                                                        |
| Net System Power [kW]                        | 4.95                    | 4.95                    | 4.95                    | 4.95                                                                                                 |
| <b>Compressor</b>                            |                         |                         |                         |                                                                                                      |
| No./Type                                     | 1/Scroll                | 1/Scroll                | 1/Scroll                | 1/Scroll                                                                                             |
| <b>Outdoor Sound Rating (dB)<sup>3</sup></b> | 83                      | 83                      | 83                      | 83                                                                                                   |
| <b>Outdoor Coil—Fin Type</b>                 | Louvered                | Louvered                | Louvered                | Louvered                                                                                             |
| Tube Type                                    | MicroChannel            | MicroChannel            | MicroChannel            | MicroChannel                                                                                         |
| Tube Size in. [mm]                           | 0.7 [18]                | 0.7 [18]                | 0.7 [18]                | 0.7 [18]                                                                                             |
| Face Area sq. ft. [sq. m]                    | 16.4 [1.52]             | 16.4 [1.52]             | 16.4 [1.52]             | 16.4 [1.52]                                                                                          |
| Rows / FPI [FPcm]                            | 1 / 23 [9]              | 1 / 23 [9]              | 1 / 23 [9]              | 1 / 23 [9]                                                                                           |
| <b>Indoor Coil—Fin Type</b>                  | Louvered                | Louvered                | Louvered                | Louvered                                                                                             |
| Tube Type                                    | MicroChannel            | MicroChannel            | MicroChannel            | MicroChannel                                                                                         |
| Tube Size in. [mm]                           | 1.3 [32]                | 1.3 [32]                | 1.3 [32]                | 1.3 [32]                                                                                             |
| Face Area sq. ft. [sq. m]                    | 4.8 [0.45]              | 4.8 [0.45]              | 4.8 [0.45]              | 4.8 [0.45]                                                                                           |
| Rows / FPI [FPcm]                            | 1 / 20 [8]              | 1 / 20 [8]              | 1 / 20 [8]              | 1 / 20 [8]                                                                                           |
| Refrigerant Control                          | TX Valves               | TX Valves               | TX Valves               | TX Valves                                                                                            |
| Drain Connection No./Size in. [mm]           | 1/0.75 [19.05]          | 1/0.75 [19.05]          | 1/0.75 [19.05]          | 1/0.75 [19.05]                                                                                       |
| <b>Outdoor Fan—Type</b>                      | Propeller               | Propeller               | Propeller               | Propeller                                                                                            |
| No. Used/Diameter in. [mm]                   | 1/24 [609.6]            | 1/24 [609.6]            | 1/24 [609.6]            | 1/24 [609.6]                                                                                         |
| Drive Type/No. Speeds                        | Direct/1                | Direct/1                | Direct/1                | Direct/1                                                                                             |
| CFM [L/s]                                    | 3930 [1855]             | 3930 [1855]             | 3930 [1855]             | 3930 [1855]                                                                                          |
| No. Motors/HP                                | 1 at 1/3 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]                   | 1/11x10 [279x254]       | 1/11x10 [279x254]       | 1/10x10 [254x254]       | 1/10x10 [254x254]                                                                                    |
| Drive Type                                   | Belt (Adjustable)       | Belt (Adjustable)       | Direct                  | Belt (Adjustable)                                                                                    |
| No. Speeds                                   | Single                  | Single                  | Multiple                | Single                                                                                               |
| No. Motors                                   | 1                       | 1                       | 1                       | 1                                                                                                    |
| Motor HP                                     | 3/4                     | 1                       | 1                       | 3/4                                                                                                  |
| Motor RPM                                    | 1725                    | 1725                    | 1075                    | 1725                                                                                                 |
| Motor Frame Size                             | 56                      | 56                      | 48                      | 56                                                                                                   |
| <b>Filter—Type</b>                           | Disposable              | Disposable              | Disposable              | Disposable                                                                                           |
| Furnished                                    | Yes                     | Yes                     | Yes                     | Yes                                                                                                  |
| (NO.) Size Recommended in. [mm x mm x mm]    | (1)1x16x25 [25x406x635] | (1)1x16x25 [25x406x635] | (1)1x16x25 [25x406x635] | (1)1x16x25 [25x406x635]                                                                              |
|                                              | (1)1x16x25 [25x406x635] | (1)1x16x25 [25x406x635] | (1)1x16x25 [25x406x635] | (1)1x16x25 [25x406x635]                                                                              |
| <b>Refrigerant Charge Oz. [g]</b>            | 63 [1786]               | 63 [1786]               | 63 [1786]               | 63 [1786]                                                                                            |
| <b>Weights</b>                               |                         |                         |                         |                                                                                                      |
| Net Weight lbs. [kg]                         | 503 [228]               | 508 [230]               | 482 [219]               | 503 [228]                                                                                            |
| Ship Weight lbs. [kg]                        | 510 [231]               | 515 [234]               | 489 [222]               | 510 [231]                                                                                            |

See Page 22 for Notes.

[ ] Designates Metric Conversions

## NOMINAL SIZES 3-5 TONS [10.6-17.6 kW]

| Model RLPN- Series                           | A060YM                  |
|----------------------------------------------|-------------------------|
| <b>Cooling Performance<sup>1</sup></b>       |                         |
| Gross Cooling Capacity Btu [kW]              | 60,000 [17.58]          |
| EER/SEER <sup>2</sup>                        | 11.6/14                 |
| Nominal CFM/AHRI Rated CFM [L/s]             | 2000/1800 [944/849]     |
| AHRI Net Cooling Capacity Btu [kW]           | 58,500 [17.14]          |
| Net Sensible Capacity Btu [kW]               | 41,700 [12.22]          |
| Net Latent Capacity Btu [kW]                 | 16,800 [4.92]           |
| Net System Power [kW]                        | 4.95                    |
| <b>Compressor</b>                            |                         |
| No./Type                                     | 1/Scroll                |
| <b>Outdoor Sound Rating (dB)<sup>3</sup></b> |                         |
| 83                                           |                         |
| <b>Outdoor Coil—Fin Type</b>                 |                         |
| Louvered                                     |                         |
| Tube Type                                    | MicroChannel            |
| Tube Size in. [mm] OD                        | 0.7 [18]                |
| Face Area sq. ft. [sq. m]                    | 16.4 [1.52]             |
| Rows / FPI [FPcm]                            | 1 / 23 [9]              |
| <b>Indoor Coil—Fin Type</b>                  |                         |
| Louvered                                     |                         |
| Tube Type                                    | MicroChannel            |
| Tube Size in. [mm] OD                        | 1.3 [32]                |
| Face Area sq. ft. [sq. m]                    | 4.8 [0.45]              |
| Rows / FPI [FPcm]                            | 1 / 20 [8]              |
| Refrigerant Control                          | TX Valves               |
| Drain Connection No./Size in. [mm]           | 1/0.75 [19.05]          |
| <b>Outdoor Fan—Type</b>                      |                         |
| Propeller                                    |                         |
| No. Used/Diameter in. [mm]                   | 1/24 [609.6]            |
| Drive Type/No. Speeds                        | Direct/1                |
| CFM [L/s]                                    | 3930 [1855]             |
| No. Motors/HP                                | 1 at 1/3 HP             |
| Motor RPM                                    | 1075                    |
| <b>Indoor Fan—Type</b>                       |                         |
| FC Centrifugal                               |                         |
| No. Used/Diameter in. [mm]                   | 1/10x10 [254x254]       |
| Drive Type                                   | Belt (Adjustable)       |
| No. Speeds                                   | Single                  |
| No. Motors                                   | 1                       |
| Motor HP                                     | 1                       |
| Motor RPM                                    | 1725                    |
| Motor Frame Size                             | 56                      |
| <b>Filter—Type</b>                           |                         |
| Disposable                                   |                         |
| Furnished                                    | Yes                     |
| (NO.) Size Recommended in. [mm x mm x mm]    | (1)1x16x25 [25x406x635] |
|                                              | (1)1x16x25 [25x406x635] |
| <b>Refrigerant Charge Oz. [g]</b>            |                         |
| 63 [1786]                                    |                         |
| <b>Weights</b>                               |                         |
| Net Weight lbs. [kg]                         | 508 [230]               |
| Ship Weight lbs. [kg]                        | 515 [234]               |

See Page 22 for Notes.

[ ] Designates Metric Conversions

## NOMINAL SIZES 3-5 TONS [10.6-17.6 kW]

| Model RLQN- Series                           | A036CK                  | A036CL                  | A036CM                  | A036DK                  |
|----------------------------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| <b>Cooling Performance<sup>1</sup></b>       |                         |                         |                         | <b>CONTINUED</b> →      |
| Gross Cooling Capacity Btu [kW]              | 36,200 [10.61]          | 36,200 [10.61]          | 36,200 [10.61]          | 36,200 [10.61]          |
| EER/SEER <sup>2</sup>                        | 12.5/15                 | 12.5/15                 | 12.5/15                 | 12.5/15                 |
| Nominal CFM/AHRI Rated CFM [L/s]             | 1200/1250 [566/590]     | 1200/1250 [566/590]     | 1200/1250 [566/590]     | 1200/1250 [566/590]     |
| AHRI Net Cooling Capacity Btu [kW]           | 35,400 [10.37]          | 35,400 [10.37]          | 35,400 [10.37]          | 35,400 [10.37]          |
| Net Sensible Capacity Btu [kW]               | 26,200 [7.68]           | 26,200 [7.68]           | 26,200 [7.68]           | 26,200 [7.68]           |
| Net Latent Capacity Btu [kW]                 | 9,200 [2.7]             | 9,200 [2.7]             | 9,200 [2.7]             | 9,200 [2.7]             |
| Net System Power [kW]                        | 2.72                    | 2.72                    | 2.72                    | 2.72                    |
| <b>Compressor</b>                            |                         |                         |                         |                         |
| No./Type                                     | 1/Scroll                | 1/Scroll                | 1/Scroll                | 1/Scroll                |
| <b>Outdoor Sound Rating (dB)<sup>3</sup></b> | 78                      | 78                      | 78                      | 78                      |
| <b>Outdoor Coil—Fin Type</b>                 | Louvered                | Louvered                | Louvered                | Louvered                |
| Tube Type                                    | MicroChannel            | MicroChannel            | MicroChannel            | MicroChannel            |
| MicroChannel Depth in. [mm]                  | 0.7 [18]                | 0.7 [18]                | 0.7 [18]                | 0.7 [18]                |
| Face Area sq. ft. [sq. m]                    | 13.9 [1.29]             | 13.9 [1.29]             | 13.9 [1.29]             | 13.9 [1.29]             |
| Rows / FPI [FPcm]                            | 1 / 23 [9]              | 1 / 23 [9]              | 1 / 23 [9]              | 1 / 23 [9]              |
| <b>Indoor Coil—Fin Type</b>                  | Louvered                | Louvered                | Louvered                | Louvered                |
| Tube Type                                    | MicroChannel            | MicroChannel            | MicroChannel            | MicroChannel            |
| MicroChannel Depth in. [mm]                  | 1 [25]                  | 1 [25]                  | 1 [25]                  | 1 [25]                  |
| Face Area sq. ft. [sq. m]                    | 4.8 [0.45]              | 4.8 [0.45]              | 4.8 [0.45]              | 4.8 [0.45]              |
| Rows / FPI [FPcm]                            | 1 / 20 [8]              | 1 / 20 [8]              | 1 / 20 [8]              | 1 / 20 [8]              |
| Refrigerant Control                          | TX Valves               | TX Valves               | TX Valves               | TX Valves               |
| Drain Connection No./Size in. [mm]           | 1/0.75 [19.05]          | 1/0.75 [19.05]          | 1/0.75 [19.05]          | 1/0.75 [19.05]          |
| <b>Outdoor Fan—Type</b>                      | Propeller               | Propeller               | Propeller               | Propeller               |
| No. Used/Diameter in. [mm]                   | 1/24 [609.6]            | 1/24 [609.6]            | 1/24 [609.6]            | 1/24 [609.6]            |
| Drive Type/No. Speeds                        | Direct/1                | Direct/1                | Direct/1                | Direct/1                |
| CFM [L/s]                                    | 3680 [1737]             | 3680 [1737]             | 3680 [1737]             | 3680 [1737]             |
| No. Motors/HP                                | 1 at 1/3 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]                   | 1/10x10 [254x254]       | 1/10x10 [254x254]       | 1/10x10 [254x254]       | 1/10x10 [254x254]       |
| Drive Type                                   | Direct                  | Belt (Adjustable)       | Belt (Adjustable)       | Direct                  |
| No. Speeds                                   | Multiple                | Single                  | Single                  | Multiple                |
| No. Motors                                   | 1                       | 1                       | 1                       | 1                       |
| Motor HP                                     | 1/2                     | 1/2                     | 3/4                     | 1/2                     |
| Motor RPM                                    | 1075                    | 1725                    | 1725                    | 1075                    |
| Motor Frame Size                             | 48                      | 48                      | 56                      | 48                      |
| <b>Filter—Type</b>                           | Disposable              | Disposable              | Disposable              | Disposable              |
| Furnished                                    | Yes                     | Yes                     | Yes                     | Yes                     |
| (NO.) Size Recommended in. [mm x mm x mm]    | (1)1x16x25 [25x406x635] | (1)1x16x25 [25x406x635] | (1)1x16x25 [25x406x635] | (1)1x16x25 [25x406x635] |
|                                              | (1)1x16x25 [25x406x635] | (1)1x16x25 [25x406x635] | (1)1x16x25 [25x406x635] | (1)1x16x25 [25x406x635] |
| <b>Refrigerant Charge Oz. [g]</b>            | 54 [1531]               | 54 [1531]               | 54 [1531]               | 54 [1531]               |
| <b>Weights</b>                               |                         |                         |                         |                         |
| Net Weight lbs. [kg]                         | 453 [206]               | 471 [214]               | 471 [214]               | 453 [206]               |
| Ship Weight lbs. [kg]                        | 460 [209]               | 478 [217]               | 478 [217]               | 460 [209]               |

See Page 22 for Notes.

[ ] Designates Metric Conversions

## NOMINAL SIZES 3-5 TONS [10.6-17.6 kW]

| Model RLQN- Series                           | A036DL                  | A036DM                  | A036JK                  | A048CK                  |
|----------------------------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| <b>Cooling Performance<sup>1</sup></b>       |                         |                         |                         | <b>CONTINUED →</b>      |
| Gross Cooling Capacity Btu [kW]              | 36,200 [10.61]          | 36,200 [10.61]          | 36,200 [10.61]          | 48,000 [14.06]          |
| EER/SEER <sup>2</sup>                        | 12.5/15                 | 12.5/15                 | 12.5/15                 | 12.5/15                 |
| Nominal CFM/AHRI Rated CFM [L/s]             | 1200/1250 [566/590]     | 1200/1250 [566/590]     | 1200/1250 [566/590]     | 1600/1600 [755/755]     |
| AHRI Net Cooling Capacity Btu [kW]           | 35,400 [10.37]          | 35,400 [10.37]          | 35,400 [10.37]          | 46,500 [13.62]          |
| Net Sensible Capacity Btu [kW]               | 26,200 [7.68]           | 26,200 [7.68]           | 26,200 [7.68]           | 35,700 [10.46]          |
| Net Latent Capacity Btu [kW]                 | 9,200 [2.7]             | 9,200 [2.7]             | 9,200 [2.7]             | 10,800 [3.16]           |
| Net System Power [kW]                        | 2.72                    | 2.72                    | 2.72                    | 3.69                    |
| <b>Compressor</b>                            |                         |                         |                         |                         |
| No./Type                                     | 1/Scroll                | 1/Scroll                | 1/Scroll                | 1/Scroll                |
| <b>Outdoor Sound Rating (dB)<sup>3</sup></b> | 78                      | 78                      | 78                      | 78                      |
| <b>Outdoor Coil—Fin Type</b>                 | Louvered                | Louvered                | Louvered                | Louvered                |
| Tube Type                                    | MicroChannel            | MicroChannel            | MicroChannel            | MicroChannel            |
| MicroChannel Depth in. [mm]                  | 0.7 [18]                | 0.7 [18]                | 0.7 [18]                | 0.7 [18]                |
| Face Area sq. ft. [sq. m]                    | 13.9 [1.29]             | 13.9 [1.29]             | 13.9 [1.29]             | 16.4 [1.52]             |
| Rows / FPI [FPcm]                            | 1 / 23 [9]              | 1 / 23 [9]              | 1 / 23 [9]              | 1 / 23 [9]              |
| <b>Indoor Coil—Fin Type</b>                  | Louvered                | Louvered                | Louvered                | Louvered                |
| Tube Type                                    | MicroChannel            | MicroChannel            | MicroChannel            | MicroChannel            |
| MicroChannel Depth in. [mm]                  | 1 [25]                  | 1 [25]                  | 1 [25]                  | 1.3 [32]                |
| Face Area sq. ft. [sq. m]                    | 4.8 [0.45]              | 4.8 [0.45]              | 4.8 [0.45]              | 4.8 [0.45]              |
| Rows / FPI [FPcm]                            | 1 / 20 [8]              | 1 / 20 [8]              | 1 / 20 [8]              | 1 / 20 [8]              |
| Refrigerant Control                          | TX Valves               | TX Valves               | TX Valves               | TX Valves               |
| Drain Connection No./Size in. [mm]           | 1/0.75 [19.05]          | 1/0.75 [19.05]          | 1/0.75 [19.05]          | 1/0.75 [19.05]          |
| <b>Outdoor Fan—Type</b>                      | Propeller               | Propeller               | Propeller               | Propeller               |
| No. Used/Diameter in. [mm]                   | 1/24 [609.6]            | 1/24 [609.6]            | 1/24 [609.6]            | 1/24 [609.6]            |
| Drive Type/No. Speeds                        | Direct/1                | Direct/1                | Direct/1                | Direct/1                |
| CFM [L/s]                                    | 3680 [1737]             | 3680 [1737]             | 3680 [1737]             | 3680 [1737]             |
| No. Motors/HP                                | 1 at 1/3 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]                   | 1/10x10 [254x254]       | 1/10x10 [254x254]       | 1/10x10 [254x254]       | 1/10x10 [254x254]       |
| Drive Type                                   | Belt (Adjustable)       | Belt (Adjustable)       | Direct                  | Direct                  |
| No. Speeds                                   | Single                  | Single                  | Multiple                | Multiple                |
| No. Motors                                   | 1                       | 1                       | 1                       | 1                       |
| Motor HP                                     | 1/2                     | 3/4                     | 1/2                     | 3/4                     |
| Motor RPM                                    | 1725                    | 1725                    | 1075                    | 1075                    |
| Motor Frame Size                             | 48                      | 56                      | 48                      | 48                      |
| <b>Filter—Type</b>                           | Disposable              | Disposable              | Disposable              | Disposable              |
| Furnished                                    | Yes                     | Yes                     | Yes                     | Yes                     |
| (NO.) Size Recommended in. [mm x mm x mm]    | (1)1x16x25 [25x406x635] | (1)1x16x25 [25x406x635] | (1)1x16x25 [25x406x635] | (1)1x16x25 [25x406x635] |
|                                              | (1)1x16x25 [25x406x635] | (1)1x16x25 [25x406x635] | (1)1x16x25 [25x406x635] | (1)1x16x25 [25x406x635] |
| <b>Refrigerant Charge Oz. [g]</b>            | 54 [1531]               | 54 [1531]               | 54 [1531]               | 68 [1928]               |
| <b>Weights</b>                               |                         |                         |                         |                         |
| Net Weight lbs. [kg]                         | 471 [214]               | 471 [214]               | 453 [206]               | 477 [216]               |
| Ship Weight lbs. [kg]                        | 478 [217]               | 478 [217]               | 460 [209]               | 484 [220]               |

See Page 22 for Notes.

[ ] Designates Metric Conversions

## NOMINAL SIZES 3-5 TONS [10.6-17.6 kW]

| Model RLQN- Series                           | A048CL                  | A048CM                  | A048DK                  | A048DL                                                                                               |
|----------------------------------------------|-------------------------|-------------------------|-------------------------|------------------------------------------------------------------------------------------------------|
| <b>Cooling Performance<sup>1</sup></b>       |                         |                         |                         | <b>CONTINUED</b>  |
| Gross Cooling Capacity Btu [kW]              | 48,000 [14.06]          | 48,000 [14.06]          | 48,000 [14.06]          | 48,000 [14.06]                                                                                       |
| EER/SEER <sup>2</sup>                        | 12.5/15                 | 12.5/15                 | 12.5/15                 | 12.5/15                                                                                              |
| Nominal CFM/AHRI Rated CFM [L/s]             | 1600/1600 [755/755]     | 1600/1600 [755/755]     | 1600/1600 [755/755]     | 1600/1600 [755/755]                                                                                  |
| AHRI Net Cooling Capacity Btu [kW]           | 46,500 [13.62]          | 46,500 [13.62]          | 46,500 [13.62]          | 46,500 [13.62]                                                                                       |
| Net Sensible Capacity Btu [kW]               | 35,700 [10.46]          | 35,700 [10.46]          | 35,700 [10.46]          | 35,700 [10.46]                                                                                       |
| Net Latent Capacity Btu [kW]                 | 10,800 [3.16]           | 10,800 [3.16]           | 10,800 [3.16]           | 10,800 [3.16]                                                                                        |
| Net System Power [kW]                        | 3.69                    | 3.69                    | 3.69                    | 3.69                                                                                                 |
| <b>Compressor</b>                            |                         |                         |                         |                                                                                                      |
| No./Type                                     | 1/Scroll                | 1/Scroll                | 1/Scroll                | 1/Scroll                                                                                             |
| <b>Outdoor Sound Rating (dB)<sup>3</sup></b> | 78                      | 78                      | 78                      | 78                                                                                                   |
| <b>Outdoor Coil—Fin Type</b>                 | Louvered                | Louvered                | Louvered                | Louvered                                                                                             |
| Tube Type                                    | MicroChannel            | MicroChannel            | MicroChannel            | MicroChannel                                                                                         |
| Tube Size in. [mm] OD                        | 0.7 [18]                | 0.7 [18]                | 0.7 [18]                | 0.7 [18]                                                                                             |
| Face Area sq. ft. [sq. m]                    | 16.4 [1.52]             | 16.4 [1.52]             | 16.4 [1.52]             | 16.4 [1.52]                                                                                          |
| Rows / FPI [FPcm]                            | 1 / 23 [9]              | 1 / 23 [9]              | 1 / 23 [9]              | 1 / 23 [9]                                                                                           |
| <b>Indoor Coil—Fin Type</b>                  | Louvered                | Louvered                | Louvered                | Louvered                                                                                             |
| Tube Type                                    | MicroChannel            | MicroChannel            | MicroChannel            | MicroChannel                                                                                         |
| Tube Size in. [mm] OD                        | 1.3 [32]                | 1.3 [32]                | 1.3 [32]                | 1.3 [32]                                                                                             |
| Face Area sq. ft. [sq. m]                    | 4.8 [0.45]              | 4.8 [0.45]              | 4.8 [0.45]              | 4.8 [0.45]                                                                                           |
| Rows / FPI [FPcm]                            | 1 / 20 [8]              | 1 / 20 [8]              | 1 / 20 [8]              | 1 / 20 [8]                                                                                           |
| Refrigerant Control                          | TX Valves               | TX Valves               | TX Valves               | TX Valves                                                                                            |
| Drain Connection No./Size in. [mm]           | 1/0.75 [19.05]          | 1/0.75 [19.05]          | 1/0.75 [19.05]          | 1/0.75 [19.05]                                                                                       |
| <b>Outdoor Fan—Type</b>                      | Propeller               | Propeller               | Propeller               | Propeller                                                                                            |
| No. Used/Diameter in. [mm]                   | 1/24 [609.6]            | 1/24 [609.6]            | 1/24 [609.6]            | 1/24 [609.6]                                                                                         |
| Drive Type/No. Speeds                        | Direct/1                | Direct/1                | Direct/1                | Direct/1                                                                                             |
| CFM [L/s]                                    | 3680 [1737]             | 3680 [1737]             | 3680 [1737]             | 3680 [1737]                                                                                          |
| No. Motors/HP                                | 1 at 1/3 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]                   | 1/10x10 [254x254]       | 1/10x10 [254x254]       | 1/10x10 [254x254]       | 1/10x10 [254x254]                                                                                    |
| Drive Type                                   | Belt (Adjustable)       | Belt (Adjustable)       | Direct                  | Belt (Adjustable)                                                                                    |
| No. Speeds                                   | Single                  | Single                  | Multiple                | Single                                                                                               |
| No. Motors                                   | 1                       | 1                       | 1                       | 1                                                                                                    |
| Motor HP                                     | 1/2                     | 3/4                     | 3/4                     | 1/2                                                                                                  |
| Motor RPM                                    | 1725                    | 1725                    | 1075                    | 1725                                                                                                 |
| Motor Frame Size                             | 48                      | 56                      | 48                      | 48                                                                                                   |
| <b>Filter—Type</b>                           | Disposable              | Disposable              | Disposable              | Disposable                                                                                           |
| Furnished                                    | Yes                     | Yes                     | Yes                     | Yes                                                                                                  |
| (NO.) Size Recommended in. [mm x mm x mm]    | (1)1x16x25 [25x406x635] | (1)1x16x25 [25x406x635] | (1)1x16x25 [25x406x635] | (1)1x16x25 [25x406x635]                                                                              |
|                                              | (1)1x16x25 [25x406x635] | (1)1x16x25 [25x406x635] | (1)1x16x25 [25x406x635] | (1)1x16x25 [25x406x635]                                                                              |
| <b>Refrigerant Charge Oz. [g]</b>            | 68 [1928]               | 68 [1928]               | 68 [1928]               | 68 [1928]                                                                                            |
| <b>Weights</b>                               |                         |                         |                         |                                                                                                      |
| Net Weight lbs. [kg]                         | 495 [225]               | 496 [225]               | 477 [216]               | 495 [225]                                                                                            |
| Ship Weight lbs. [kg]                        | 502 [228]               | 503 [228]               | 484 [220]               | 502 [228]                                                                                            |

See Page 22 for Notes.

[ ] Designates Metric Conversions

## NOMINAL SIZES 3-5 TONS [10.6-17.6 kW]

| Model RLQN- Series                           | A048DM                  | A048JK                  |
|----------------------------------------------|-------------------------|-------------------------|
| <b>Cooling Performance<sup>1</sup></b>       |                         |                         |
| Gross Cooling Capacity Btu [kW]              | 48,000 [14.06]          | 48,000 [14.06]          |
| EER/SEER <sup>2</sup>                        | 12.5/15                 | 12.5/15                 |
| Nominal CFM/AHRI Rated CFM [L/s]             | 1600/1600 [755/755]     | 1600/1600 [755/755]     |
| AHRI Net Cooling Capacity Btu [kW]           | 46,500 [13.62]          | 46,500 [13.62]          |
| Net Sensible Capacity Btu [kW]               | 35,700 [10.46]          | 35,700 [10.46]          |
| Net Latent Capacity Btu [kW]                 | 10,800 [3.16]           | 10,800 [3.16]           |
| Net System Power [kW]                        | 3.69                    | 3.69                    |
| <b>Compressor</b>                            |                         |                         |
| No./Type                                     | 1/Scroll                | 1/Scroll                |
| <b>Outdoor Sound Rating (dB)<sup>3</sup></b> |                         |                         |
|                                              | 78                      | 78                      |
| <b>Outdoor Coil—Fin Type</b>                 |                         |                         |
| Tube Type                                    | Louvered                | Louvered                |
| Tube Size in. [mm] OD                        | MicroChannel            | MicroChannel            |
| Face Area sq. ft. [sq. m]                    | 0.7 [18]                | 0.7 [18]                |
| Rows / FPI [FPcm]                            | 16.4 [1.52]             | 16.4 [1.52]             |
|                                              | 1 / 23 [9]              | 1 / 23 [9]              |
| <b>Indoor Coil—Fin Type</b>                  |                         |                         |
| Tube Type                                    | Louvered                | Louvered                |
| Tube Size in. [mm] OD                        | MicroChannel            | MicroChannel            |
| Face Area sq. ft. [sq. m]                    | 1.3 [32]                | 1.3 [32]                |
| Rows / FPI [FPcm]                            | 4.8 [0.45]              | 4.8 [0.45]              |
|                                              | 1 / 20 [8]              | 1 / 20 [8]              |
| Refrigerant Control                          | TX Valves               | TX Valves               |
| Drain Connection No./Size in. [mm]           | 1/0.75 [19.05]          | 1/0.75 [19.05]          |
| <b>Outdoor Fan—Type</b>                      |                         |                         |
|                                              | Propeller               | Propeller               |
| No. Used/Diameter in. [mm]                   | 1/24 [609.6]            | 1/24 [609.6]            |
| Drive Type/No. Speeds                        | Direct/1                | Direct/1                |
| CFM [L/s]                                    | 3680 [1737]             | 3680 [1737]             |
| No. Motors/HP                                | 1 at 1/3 HP             | 1 at 1/3 HP             |
| Motor RPM                                    | 1075                    | 1075                    |
| <b>Indoor Fan—Type</b>                       |                         |                         |
|                                              | FC Centrifugal          | FC Centrifugal          |
| No. Used/Diameter in. [mm]                   | 1/10x10 [254x254]       | 1/10x10 [254x254]       |
| Drive Type                                   | Belt (Adjustable)       | Direct                  |
| No. Speeds                                   | Single                  | Multiple                |
| No. Motors                                   | 1                       | 1                       |
| Motor HP                                     | 3/4                     | 3/4                     |
| Motor RPM                                    | 1725                    | 1075                    |
| Motor Frame Size                             | 56                      | 48                      |
| <b>Filter—Type</b>                           |                         |                         |
|                                              | Disposable              | Disposable              |
| Furnished                                    | Yes                     | Yes                     |
| (NO.) Size Recommended in. [mm x mm x mm]    | (1)1x16x25 [25x406x635] | (1)1x16x25 [25x406x635] |
|                                              | (1)1x16x25 [25x406x635] | (1)1x16x25 [25x406x635] |
| <b>Refrigerant Charge Oz. [g]</b>            |                         |                         |
|                                              | 68 [1928]               | 68 [1928]               |
| <b>Weights</b>                               |                         |                         |
| Net Weight lbs. [kg]                         | 496 [225]               | 477 [216]               |
| Ship Weight lbs. [kg]                        | 503 [228]               | 484 [220]               |

See Page 22 for Notes.

[ ] Designates Metric Conversions



## NOMINAL SIZES 3-5 TONS [10.6-17.6 kW]

| Model RLQN- Series                                   | A060CK                      | A060CV                      | A060DK                      | A060DV                                                                                               |
|------------------------------------------------------|-----------------------------|-----------------------------|-----------------------------|------------------------------------------------------------------------------------------------------|
| <b>Cooling Performance<sup>1</sup></b>               |                             |                             |                             | <b>CONTINUED</b>  |
| Gross Cooling Capacity Btu [kW]                      | 59,000 [17.29]              | 59,000 [17.29]              | 59,000 [17.29]              | 59,000 [17.29]                                                                                       |
| SEER <sup>2</sup>                                    | 15                          | 15                          | 15                          | 15                                                                                                   |
| EER (1st stage / 2nd stage)                          | 19.9/11.6                   | 19.9/11.6                   | 19.9/11.6                   | 19.9/11.6                                                                                            |
| AHRI Rated CFM (1st / 2nd stage) [L/s]               | 1375 / 1800 [649 / 849]     | 1375 / 1800 [649 / 849]     | 1375 / 1800 [649 / 849]     | 1375 / 1800 [649 / 849]                                                                              |
| AHRI Net Cooling Capacity (1st / 2nd stage) Btu [kW] | 49,000 / 57,000 [14.3/16.7] | 49,000 / 57,000 [14.3/16.7] | 49,000 / 57,000 [14.3/16.7] | 49,000 / 57,000 [14.3/16.7]                                                                          |
| Net Sensible Capacity (1st / 2nd stage) Btu [kW]     | 34,800 / 40,800 [10.2/12.0] | 34,800 / 40,800 [10.2/12.0] | 34,800 / 40,800 [10.2/12.0] | 34,800 / 40,800 [10.2/12.0]                                                                          |
| Net Latent Capacity (1st / 2nd stage) Btu [kW]       | 14,200 / 16,200 [4.2 / 4.8] | 14,200 / 16,200 [4.2 / 4.8] | 14,200 / 16,200 [4.2 / 4.8] | 14,200 / 16,200 [4.2 / 4.8]                                                                          |
| Net System Power (1st / 2nd stage) [kW]              | 2.1 / 4.8                   | 2.1 / 4.8                   | 2.1 / 4.8                   | 2.1 / 4.8                                                                                            |
| <b>Compressor</b>                                    |                             |                             |                             |                                                                                                      |
| No./Type                                             | 1/Scroll                    | 1/Scroll                    | 1/Scroll                    | 1/Scroll                                                                                             |
| <b>Outdoor Sound Rating (dB)<sup>3</sup></b>         | 83                          | 83                          | 83                          | 83                                                                                                   |
| <b>Outdoor Coil—Fin Type</b>                         | Louvered                    | Louvered                    | Louvered                    | Louvered                                                                                             |
| Tube Type                                            | MicroChannel                | MicroChannel                | MicroChannel                | MicroChannel                                                                                         |
| Tube Size in. [mm] OD                                | 0.7 [18]                    | 0.7 [18]                    | 0.7 [18]                    | 0.7 [18]                                                                                             |
| Face Area sq. ft. [sq. m]                            | 16.4 [1.52]                 | 16.4 [1.52]                 | 16.4 [1.52]                 | 16.4 [1.52]                                                                                          |
| Rows / FPI [FPcm]                                    | 1 / 23 [9]                  | 1 / 23 [9]                  | 1 / 23 [9]                  | 1 / 23 [9]                                                                                           |
| <b>Indoor Coil—Fin Type</b>                          | Louvered                    | Louvered                    | Louvered                    | Louvered                                                                                             |
| Tube Type                                            | MicroChannel                | MicroChannel                | MicroChannel                | MicroChannel                                                                                         |
| Tube Size in. [mm] OD                                | 1.3 [32]                    | 1.3 [32]                    | 1.3 [32]                    | 1.3 [32]                                                                                             |
| Face Area sq. ft. [sq. m]                            | 4.8 [0.45]                  | 4.8 [0.45]                  | 4.8 [0.45]                  | 4.8 [0.45]                                                                                           |
| Rows / FPI [FPcm]                                    | 1 / 20 [8]                  | 1 / 20 [8]                  | 1 / 20 [8]                  | 1 / 20 [8]                                                                                           |
| Refrigerant Control                                  | TX Valves                   | TX Valves                   | TX Valves                   | TX Valves                                                                                            |
| Drain Connection No./Size in. [mm]                   | 1/0.75 [19.05]              | 1/0.75 [19.05]              | 1/0.75 [19.05]              | 1/0.75 [19.05]                                                                                       |
| <b>Outdoor Fan—Type</b>                              | Propeller                   | Propeller                   | Propeller                   | Propeller                                                                                            |
| No. Used/Diameter in. [mm]                           | 1/24 [609.6]                | 1/24 [609.6]                | 1/24 [609.6]                | 1/24 [609.6]                                                                                         |
| Drive Type/No. Speeds                                | Direct/1                    | Direct/1                    | Direct/1                    | Direct/1                                                                                             |
| CFM [L/s]                                            | 3930 [1855]                 | 3930 [1855]                 | 3930 [1855]                 | 3930 [1855]                                                                                          |
| No. Motors/HP                                        | 1 at 1/3 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]                           | 1/10x10 [254x254]           | 1/11x10 [279x254]           | 1/11x10 [279x254]           | 1/11x10 [279x254]                                                                                    |
| Drive Type                                           | Direct                      | Direct                      | Direct                      | Direct                                                                                               |
| No. Speeds                                           | Multiple                    | Variable                    | Multiple                    | Variable                                                                                             |
| No. Motors                                           | 1                           | 1                           | 1                           | 1                                                                                                    |
| Motor HP                                             | 1                           | 1                           | 1                           | 1                                                                                                    |
| Motor RPM                                            | 1075                        | 1075                        | 1075                        | 1075                                                                                                 |
| Motor Frame Size                                     | 48                          | 48                          | 48                          | 48                                                                                                   |
| <b>Filter—Type</b>                                   | Disposable                  | Disposable                  | Disposable                  | Disposable                                                                                           |
| Furnished                                            | Yes                         | Yes                         | Yes                         | Yes                                                                                                  |
| (NO.) Size Recommended in. [mm x mm x mm]            | (1)1x16x25 [25x406x635]     | (1)1x16x25 [25x406x635]     | (1)1x16x25 [25x406x635]     | (1)1x16x25 [25x406x635]                                                                              |
|                                                      | (1)1x16x25 [25x406x635]     | (1)1x16x25 [25x406x635]     | (1)1x16x25 [25x406x635]     | (1)1x16x25 [25x406x635]                                                                              |
| <b>Refrigerant Charge Oz. [g]</b>                    | 63 [1786]                   | 63 [1786]                   | 63 [1786]                   | 63 [1786]                                                                                            |
| <b>Weights</b>                                       |                             |                             |                             |                                                                                                      |
| Net Weight lbs. [kg]                                 | 481 [218]                   | 493 [224]                   | 481 [218]                   | 549 [249]                                                                                            |
| Ship Weight lbs. [kg]                                | 488 [221]                   | 500 [227]                   | 488 [221]                   | 556 [252]                                                                                            |

See Page 22 for Notes.

[ ] Designates Metric Conversions

## NOMINAL SIZES 3-5 TONS [10.6-17.6 kW]

| Model RLQN- Series                                   | A060JK                      |
|------------------------------------------------------|-----------------------------|
| <b>Cooling Performance<sup>1</sup></b>               |                             |
| Gross Cooling Capacity Btu [kW]                      | 59,000 [17.29]              |
| SEER <sup>2</sup>                                    | 15                          |
| EER (1st stage / 2nd stage)                          | 19.9/11.6                   |
| AHRI Rated CFM (1st / 2nd stage) [L/s]               | 1375 / 1800 [649 / 849]     |
| AHRI Net Cooling Capacity (1st / 2nd stage) Btu [kW] | 49,000 / 57,000 [14.3/16.7] |
| Net Sensible Capacity (1st / 2nd stage) Btu [kW]     | 34,800 / 40,800 [10.2/12.0] |
| Net Latent Capacity (1st / 2nd stage) Btu [kW]       | 14,200 / 16,200 [4.2 / 4.8] |
| Net System Power (1st / 2nd stage) [kW]              | 2.1 / 4.8                   |
| <b>Compressor</b>                                    |                             |
| No./Type                                             | 1/Scroll                    |
| <b>Outdoor Sound Rating (dB)<sup>3</sup></b>         |                             |
| 83                                                   |                             |
| <b>Outdoor Coil—Fin Type</b>                         |                             |
| Louvered                                             |                             |
| Tube Type                                            | MicroChannel                |
| Tube Size in. [mm] OD                                | 0.7 [18]                    |
| Face Area sq. ft. [sq. m]                            | 16.4 [1.52]                 |
| Rows / FPI [FPcm]                                    | 1 / 23 [9]                  |
| <b>Indoor Coil—Fin Type</b>                          |                             |
| Louvered                                             |                             |
| Tube Type                                            | MicroChannel                |
| Tube Size in. [mm] OD                                | 1.3 [32]                    |
| Face Area sq. ft. [sq. m]                            | 4.8 [0.45]                  |
| Rows / FPI [FPcm]                                    | 1 / 20 [8]                  |
| Refrigerant Control                                  | TX Valves                   |
| Drain Connection No./Size in. [mm]                   | 1/0.75 [19.05]              |
| <b>Outdoor Fan—Type</b>                              |                             |
| Propeller                                            |                             |
| No. Used/Diameter in. [mm]                           | 1/24 [609.6]                |
| Drive Type/No. Speeds                                | Direct/1                    |
| CFM [L/s]                                            | 3930 [1855]                 |
| No. Motors/HP                                        | 1 at 1/3 HP                 |
| Motor RPM                                            | 1075                        |
| <b>Indoor Fan—Type</b>                               |                             |
| FC Centrifugal                                       |                             |
| No. Used/Diameter in. [mm]                           | 1/10x10 [254x254]           |
| Drive Type                                           | Direct                      |
| No. Speeds                                           | Multiple                    |
| No. Motors                                           | 1                           |
| Motor HP                                             | 1                           |
| Motor RPM                                            | 1075                        |
| Motor Frame Size                                     | 48                          |
| <b>Filter—Type</b>                                   |                             |
| Disposable                                           |                             |
| Furnished                                            | Yes                         |
| (NO.) Size Recommended in. [mm x mm x mm]            | (1)1x16x25 [25x406x635]     |
|                                                      | (1)1x16x25 [25x406x635]     |
| <b>Refrigerant Charge Oz. [g]</b>                    |                             |
| 63 [1786]                                            |                             |
| <b>Weights</b>                                       |                             |
| Net Weight lbs. [kg]                                 | 481 [218]                   |
| Ship Weight lbs. [kg]                                | 488 [221]                   |

See Page 22 for Notes.

[ ] Designates Metric Conversions

## NOTES:

1. Cooling Performance is rated at 95° F ambient, 80° F entering dry bulb, 67° F entering wet bulb. Gross capacity does not include the effect of fan motor heat. AHRI capacity is net and includes the effect of fan motor heat. Units are suitable for operation to  $\pm 20\%$  of nominal CFM. Units are certified in accordance with the Unitary Air Conditioner Equipment certification program, which is based on AHRI Standard 210/240 or 360.
2. 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.

**GROSS SYSTEMS PERFORMANCE DATA—RLPN-A036**

| 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]                                 |                 |                 | 1375 [649]    | 1250 [590]  | 1062 [501]  | 1375 [649]    | 1250 [590]  | 1062 [501]  | 1375 [649]    | 1250 [590]  | 1062 [501]  |
| DR ①                                      |                 |                 | 0.2           | 0.18        | 0.15        | 0.2           | 0.18        | 0.15        | 0.2           | 0.18        | 0.15        |
| OUTDOOR DRY BULB TEMPERATURE °F [°C]      | 75 [23.9]       | Total BTUH [kW] | 45.1 [13.2]   | 44.3 [13.0] | 43.1 [12.6] | 42.4 [12.4]   | 41.6 [12.2] | 40.5 [11.9] | 39.9 [11.7]   | 39.2 [11.5] | 38.1 [11.2] |
|                                           |                 | Sens BTUH [kW]  | 26.6 [7.8]    | 25.4 [7.5]  | 23.6 [6.9]  | 31.1 [9.1]    | 29.7 [8.7]  | 27.6 [8.1]  | 34.8 [10.2]   | 33.2 [9.7]  | 30.9 [9.1]  |
|                                           |                 | Power           | 2.0           | 2.0         | 2.0         | 2.0           | 2.0         | 1.9         | 2.0           | 1.9         | 1.9         |
|                                           | 80 [26.7]       | Total BTUH [kW] | 43.7 [12.8]   | 42.9 [12.6] | 41.8 [12.2] | 41.0 [12.0]   | 40.3 [11.8] | 39.2 [11.5] | 38.6 [11.3]   | 37.9 [11.1] | 36.8 [10.8] |
|                                           |                 | Sens BTUH [kW]  | 26.0 [7.6]    | 24.8 [7.3]  | 23.1 [6.8]  | 30.4 [8.9]    | 29.0 [8.5]  | 27.0 [7.9]  | 34.1 [10.0]   | 32.6 [9.6]  | 30.3 [8.9]  |
|                                           |                 | Power           | 2.1           | 2.1         | 2.1         | 2.1           | 2.1         | 2.0         | 2.1           | 2.1         | 2.0         |
|                                           | 85 [29.4]       | Total BTUH [kW] | 42.4 [12.4]   | 41.6 [12.2] | 40.5 [11.9] | 39.7 [11.6]   | 38.9 [11.4] | 37.9 [11.1] | 37.2 [10.9]   | 36.5 [10.7] | 35.5 [10.4] |
|                                           |                 | Sens BTUH [kW]  | 25.3 [7.4]    | 24.1 [7.1]  | 22.5 [6.6]  | 29.7 [8.7]    | 28.4 [8.3]  | 26.4 [7.7]  | 33.5 [9.8]    | 32.0 [9.4]  | 29.7 [8.7]  |
|                                           |                 | Power           | 2.2           | 2.2         | 2.2         | 2.2           | 2.2         | 2.2         | 2.2           | 2.2         | 2.1         |
|                                           | 90 [32.2]       | Total BTUH [kW] | 41.0 [12.0]   | 40.3 [11.8] | 39.2 [11.5] | 38.3 [11.2]   | 37.6 [11.0] | 36.6 [10.7] | 35.8 [10.5]   | 35.2 [10.3] | 34.2 [10.0] |
| Sens BTUH [kW]                            |                 | 24.5 [7.2]      | 23.5 [6.9]    | 21.8 [6.4]  | 29.0 [8.5]  | 27.7 [8.1]    | 25.8 [7.5]  | 32.7 [9.6]  | 31.3 [9.2]    | 29.1 [8.5]  |             |
| Power                                     |                 | 2.4             | 2.3           | 2.3         | 2.3         | 2.3           | 2.3         | 2.3         | 2.3           | 2.3         |             |
| 95 [35]                                   | Total BTUH [kW] | 39.6 [11.6]     | 38.9 [11.4]   | 37.9 [11.1] | 36.9 [10.8] | 36.3 [10.6]   | 35.3 [10.3] | 34.5 [10.1] | 33.9 [9.9]    | 32.9 [9.7]  |             |
|                                           | Sens BTUH [kW]  | 23.8 [7.0]      | 22.7 [6.7]    | 21.1 [6.2]  | 28.2 [8.3]  | 27.0 [7.9]    | 25.1 [7.3]  | 32.0 [9.4]  | 30.5 [9.0]    | 28.4 [8.3]  |             |
|                                           | Power           | 2.5             | 2.5           | 2.4         | 2.5         | 2.5           | 2.4         | 2.5         | 2.4           | 2.4         |             |
| 100 [37.8]                                | Total BTUH [kW] | 38.3 [11.2]     | 37.6 [11.0]   | 36.6 [10.7] | 35.6 [10.4] | 34.9 [10.2]   | 34.0 [10.0] | 33.1 [9.7]  | 32.5 [9.5]    | 31.6 [9.3]  |             |
|                                           | Sens BTUH [kW]  | 23.0 [6.7]      | 22.0 [6.4]    | 20.4 [6.0]  | 27.4 [8.0]  | 26.2 [7.7]    | 24.4 [7.1]  | 31.2 [9.1]  | 29.8 [8.7]    | 27.7 [8.1]  |             |
|                                           | Power           | 2.6             | 2.6           | 2.6         | 2.6         | 2.6           | 2.6         | 2.6         | 2.6           | 2.5         |             |
| 105 [40.6]                                | Total BTUH [kW] | 36.9 [10.8]     | 36.3 [10.6]   | 35.3 [10.3] | 34.2 [10.0] | 33.6 [9.8]    | 32.7 [9.6]  | 31.8 [9.3]  | 31.2 [9.1]    | 30.3 [8.9]  |             |
|                                           | Sens BTUH [kW]  | 22.2 [6.5]      | 21.2 [6.2]    | 19.7 [5.8]  | 26.6 [7.8]  | 25.4 [7.4]    | 23.6 [6.9]  | 30.3 [8.9]  | 29.0 [8.5]    | 27.0 [7.9]  |             |
|                                           | Power           | 2.8             | 2.8           | 2.7         | 2.8         | 2.8           | 2.7         | 2.8         | 2.7           | 2.7         |             |
| 110 [43.3]                                | Total BTUH [kW] | 35.5 [10.4]     | 34.9 [10.2]   | 34.0 [9.9]  | 32.8 [9.6]  | 32.2 [9.4]    | 31.4 [9.2]  | 30.4 [8.9]  | 29.8 [8.7]    | 29.0 [8.5]  |             |
|                                           | Sens BTUH [kW]  | 21.3 [6.2]      | 20.3 [6.0]    | 18.9 [5.5]  | 25.7 [7.5]  | 24.6 [7.2]    | 22.9 [6.7]  | 29.5 [8.6]  | 28.2 [8.3]    | 26.2 [7.7]  |             |
|                                           | Power           | 3.0             | 2.9           | 2.9         | 2.9         | 2.9           | 2.9         | 2.9         | 2.9           | 2.8         |             |
| 115 [46.1]                                | Total BTUH [kW] | 34.2 [10.0]     | 33.6 [9.8]    | 32.6 [9.6]  | 31.5 [9.2]  | 30.9 [9.1]    | 30.1 [8.8]  | 29.0 [8.5]  | 28.5 [8.3]    | 27.7 [8.1]  |             |
|                                           | Sens BTUH [kW]  | 20.4 [6.0]      | 19.5 [5.7]    | 18.1 [5.3]  | 24.8 [7.3]  | 23.7 [7.0]    | 22.1 [6.5]  | 28.6 [8.4]  | 27.3 [8.0]    | 25.4 [7.4]  |             |
|                                           | Power           | 3.1             | 3.1           | 3.0         | 3.1         | 3.1           | 3.0         | 3.1         | 3.0           | 3.0         |             |
| 120 [48.9]                                | Total BTUH [kW] | 32.8 [9.6]      | 32.2 [9.4]    | 31.3 [9.2]  | 30.1 [8.8]  | 29.5 [8.7]    | 28.7 [8.4]  | 27.6 [8.1]  | 27.1 [8.0]    | 26.4 [7.7]  |             |
|                                           | Sens BTUH [kW]  | 19.4 [5.7]      | 18.6 [5.4]    | 17.3 [5.1]  | 23.9 [7.0]  | 22.8 [6.7]    | 21.2 [6.2]  | 27.6 [8.1]  | 26.4 [7.7]    | 24.5 [7.2]  |             |
|                                           | Power           | 3.3             | 3.3           | 3.2         | 3.3         | 3.2           | 3.2         | 3.2         | 3.2           | 3.2         |             |
| 125 [51.7]                                | Total BTUH [kW] | 31.4 [9.2]      | 30.9 [9.0]    | 30.0 [8.8]  | 28.7 [8.4]  | 28.2 [8.3]    | 27.4 [8.0]  | 26.3 [7.7]  | 25.8 [7.6]    | 25.1 [7.4]  |             |
|                                           | Sens BTUH [kW]  | 18.5 [5.4]      | 17.6 [5.2]    | 16.4 [4.8]  | 22.9 [6.7]  | 21.9 [6.4]    | 20.4 [6.0]  | 26.3 [7.7]  | 25.5 [7.5]    | 23.7 [6.9]  |             |
|                                           | Power           | 3.5             | 3.4           | 3.4         | 3.4         | 3.4           | 3.4         | 3.4         | 3.4           | 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  $[1.10 \times \text{CFM} \times (1 - \text{DR}) \times (\text{dbE} - 80)]$ .

[ ] Designates Metric Conversions





## GROSS SYSTEMS PERFORMANCE DATA—RLPN-A048

| 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]                                        |                 |                 | 1650 [779]    | 1500 [708]  | 1275 [602]  | 1650 [779]    | 1500 [708]  | 1275 [602]  | 1650 [779]    | 1500 [708]  | 1275 [602]  |
| DR ①                                             |                 |                 | 0.1           | 0.08        | 0.05        | 0.1           | 0.08        | 0.05        | 0.1           | 0.08        | 0.05        |
| OUTDOOR<br>DRY<br>BULB<br>TEMPERATURE<br>°F [°C] | 75<br>[23.9]    | Total BTUH [kW] | 58.2 [17.1]   | 57.2 [16.8] | 55.6 [16.3] | 55.4 [16.2]   | 54.4 [15.9] | 52.9 [15.5] | 52.3 [15.3]   | 51.4 [15.1] | 50.0 [14.6] |
|                                                  |                 | Sens BTUH [kW]  | 34.7 [10.2]   | 33.1 [9.7]  | 30.8 [9.0]  | 40.9 [12.0]   | 39.1 [11.5] | 36.4 [10.7] | 45.8 [13.4]   | 43.8 [12.8] | 40.7 [11.9] |
|                                                  | 80<br>[26.7]    | Power           | 2.7           | 2.7         | 2.6         | 2.7           | 2.6         | 2.6         | 2.7           | 2.6         | 2.6         |
|                                                  |                 | Total BTUH [kW] | 56.7 [16.6]   | 55.7 [16.3] | 54.1 [15.9] | 53.8 [15.8]   | 52.9 [15.5] | 51.4 [15.1] | 50.8 [14.9]   | 49.9 [14.6] | 48.5 [14.2] |
|                                                  | 85<br>[29.4]    | Sens BTUH [kW]  | 34.0 [10.0]   | 32.4 [9.5]  | 30.2 [8.8]  | 40.2 [11.8]   | 38.4 [11.3] | 35.7 [10.5] | 45.1 [13.2]   | 43.1 [12.6] | 40.1 [11.7] |
|                                                  |                 | Power           | 2.8           | 2.8         | 2.8         | 2.8           | 2.8         | 2.8         | 2.8           | 2.8         | 2.7         |
|                                                  | 90<br>[32.2]    | Total BTUH [kW] | 55.1 [16.1]   | 54.1 [15.9] | 52.6 [15.4] | 52.3 [15.3]   | 51.3 [15.0] | 49.9 [14.6] | 49.2 [14.4]   | 48.3 [14.2] | 47.0 [13.8] |
|                                                  |                 | Sens BTUH [kW]  | 33.2 [9.7]    | 31.7 [9.3]  | 29.5 [8.6]  | 39.5 [11.6]   | 37.7 [11.1] | 35.1 [10.3] | 44.4 [13.0]   | 42.4 [12.4] | 39.4 [11.6] |
|                                                  | 95<br>[35]      | Power           | 3.0           | 3.0         | 2.9         | 3.0           | 2.9         | 2.9         | 3.0           | 2.9         | 2.9         |
|                                                  |                 | Total BTUH [kW] | 53.5 [15.7]   | 52.5 [15.4] | 51.1 [15.0] | 50.7 [14.8]   | 49.8 [14.6] | 48.4 [14.2] | 47.6 [14.0]   | 46.8 [13.7] | 45.5 [13.3] |
| 100<br>[37.8]                                    | Sens BTUH [kW]  | 32.4 [9.5]      | 31.0 [9.1]    | 28.8 [8.4]  | 38.7 [11.3] | 37.0 [10.8]   | 34.4 [10.1] | 43.6 [12.8] | 41.6 [12.2]   | 38.7 [11.3] |             |
|                                                  | Power           | 3.2             | 3.1           | 3.1         | 3.1         | 3.1           | 3.1         | 3.1         | 3.1           | 3.1         |             |
| 105<br>[40.6]                                    | Total BTUH [kW] | 51.9 [15.2]     | 50.9 [14.9]   | 49.5 [14.5] | 49.0 [14.4] | 48.1 [14.1]   | 46.8 [13.7] | 46.0 [13.5] | 45.2 [13.2]   | 43.9 [12.9] |             |
|                                                  | Sens BTUH [kW]  | 31.6 [9.3]      | 30.2 [8.8]    | 28.1 [8.2]  | 37.8 [11.1] | 36.1 [10.6]   | 33.6 [9.9]  | 42.7 [12.5] | 40.8 [12.0]   | 38.0 [11.1] |             |
| 110<br>[43.3]                                    | Power           | 3.3             | 3.3           | 3.3         | 3.3         | 3.3           | 3.3         | 3.3         | 3.3           | 3.2         |             |
|                                                  | Total BTUH [kW] | 50.2 [14.7]     | 49.3 [14.4]   | 47.9 [14.0] | 47.3 [13.9] | 46.5 [13.6]   | 45.2 [13.3] | 44.3 [13.0] | 43.5 [12.7]   | 42.3 [12.4] |             |
| 115<br>[46.1]                                    | Sens BTUH [kW]  | 30.7 [9.0]      | 29.3 [8.6]    | 27.3 [8.0]  | 36.9 [10.8] | 35.3 [10.3]   | 32.8 [9.6]  | 41.8 [12.3] | 40.0 [11.7]   | 37.2 [10.9] |             |
|                                                  | Power           | 3.5             | 3.5           | 3.5         | 3.5         | 3.5           | 3.5         | 3.5         | 3.5           | 3.4         |             |
| 120<br>[48.9]                                    | Total BTUH [kW] | 48.4 [14.2]     | 47.6 [13.9]   | 46.3 [13.6] | 45.6 [13.4] | 44.8 [13.1]   | 43.6 [12.8] | 42.6 [12.5] | 41.8 [12.2]   | 40.7 [11.9] |             |
|                                                  | Sens BTUH [kW]  | 29.8 [8.7]      | 28.4 [8.3]    | 26.4 [7.7]  | 36.0 [10.6] | 34.4 [10.1]   | 32.0 [9.4]  | 40.9 [12.0] | 39.1 [11.5]   | 36.3 [10.7] |             |
| 125<br>[51.7]                                    | Power           | 3.8             | 3.7           | 3.7         | 3.7         | 3.7           | 3.7         | 3.7         | 3.7           | 3.7         |             |
|                                                  | Total BTUH [kW] | 46.7 [13.7]     | 45.8 [13.4]   | 44.6 [13.1] | 43.8 [12.8] | 43.1 [12.6]   | 41.9 [12.3] | 40.8 [12.0] | 40.1 [11.7]   | 39.0 [11.4] |             |
| 130<br>[55.6]                                    | Sens BTUH [kW]  | 28.8 [8.4]      | 27.5 [8.1]    | 25.6 [7.5]  | 35.0 [10.3] | 33.5 [9.8]    | 31.1 [9.1]  | 39.9 [11.7] | 38.1 [11.2]   | 35.5 [10.4] |             |
|                                                  | Power           | 4.0             | 4.0           | 3.9         | 4.0         | 3.9           | 3.9         | 4.0         | 3.9           | 3.9         |             |
| 135<br>[57.8]                                    | Total BTUH [kW] | 44.9 [13.1]     | 44.1 [12.9]   | 42.9 [12.6] | 42.0 [12.3] | 41.3 [12.1]   | 40.2 [11.8] | 39.0 [11.4] | 38.3 [11.2]   | 37.3 [10.9] |             |
|                                                  | Sens BTUH [kW]  | 27.7 [8.1]      | 26.5 [7.8]    | 24.7 [7.2]  | 34.0 [10.0] | 32.5 [9.5]    | 30.2 [8.9]  | 38.9 [11.4] | 37.2 [10.9]   | 34.6 [10.1] |             |
| 140<br>[60.0]                                    | Power           | 4.2             | 4.2           | 4.1         | 4.2         | 4.2           | 4.1         | 4.2         | 4.2           | 4.1         |             |
|                                                  | Total BTUH [kW] | 43.0 [12.6]     | 42.3 [12.4]   | 41.1 [12.0] | 40.2 [11.8] | 39.5 [11.6]   | 38.4 [11.3] | 37.1 [10.9] | 36.5 [10.7]   | 35.5 [10.4] |             |
| 145<br>[62.8]                                    | Sens BTUH [kW]  | 26.7 [7.8]      | 25.5 [7.5]    | 23.7 [6.9]  | 32.9 [9.6]  | 31.5 [9.2]    | 29.3 [8.6]  | 37.1 [10.9] | 36.1 [10.6]   | 33.6 [9.8]  |             |
|                                                  | Power           | 4.5             | 4.5           | 4.4         | 4.5         | 4.4           | 4.4         | 4.5         | 4.4           | 4.4         |             |
| 150<br>[65.6]                                    | Total BTUH [kW] | 41.1 [12.1]     | 40.4 [11.8]   | 39.3 [11.5] | 38.3 [11.2] | 37.6 [11.0]   | 36.6 [10.7] | 35.3 [10.3] | 34.6 [10.2]   | 33.7 [9.9]  |             |
|                                                  | Sens BTUH [kW]  | 25.5 [7.5]      | 24.4 [7.2]    | 22.7 [6.7]  | 31.8 [9.3]  | 30.4 [8.9]    | 28.3 [8.3]  | 35.3 [10.3] | 34.6 [10.2]   | 32.6 [9.6]  |             |
| 155<br>[68.3]                                    | Power           | 4.8             | 4.7           | 4.7         | 4.8         | 4.7           | 4.7         | 4.7         | 4.7           | 4.6         |             |

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  $[1.10 \times \text{CFM} \times (1 - \text{DR}) \times (\text{dbE} - 80)]$ .

[ ] Designates Metric Conversions



# GROSS SYSTEMS PERFORMANCE DATA—RLPN-A060

| 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]                                        |                 |                 | 1980 [934]    | 1800 [850]  | 1530 [722]  | 1980 [934]    | 1800 [850]  | 1530 [722]  | 1980 [934]    | 1800 [850]  | 1530 [722]  |
| DR ①                                             |                 |                 | 0.13          | 0.12        | 0.09        | 0.13          | 0.12        | 0.09        | 0.13          | 0.12        | 0.09        |
| OUTDOOR<br>DRY<br>BULB<br>TEMPERATURE<br>°F [°C] | 75<br>[23.9]    | Total BTUH [kW] | 72.0 [21.1]   | 70.7 [20.7] | 68.8 [20.1] | 68.2 [20.0]   | 67.0 [19.6] | 65.2 [19.1] | 64.8 [19.0]   | 63.6 [18.6] | 61.9 [18.1] |
|                                                  |                 | Sens BTUH [kW]  | 41.1 [12.0]   | 39.2 [11.5] | 36.5 [10.7] | 48.6 [14.2]   | 46.4 [13.6] | 43.2 [12.6] | 55.7 [16.3]   | 53.2 [15.6] | 49.5 [14.5] |
|                                                  |                 | Power           | 3.7           | 3.6         | 3.6         | 3.6           | 3.6         | 3.5         | 3.6           | 3.6         | 3.5         |
|                                                  | 80<br>[26.7]    | Total BTUH [kW] | 70.4 [20.6]   | 69.1 [20.3] | 67.2 [19.7] | 66.6 [19.5]   | 65.4 [19.2] | 63.7 [18.7] | 63.2 [18.5]   | 62.1 [18.2] | 60.4 [17.7] |
|                                                  |                 | Sens BTUH [kW]  | 40.4 [11.8]   | 38.6 [11.3] | 35.9 [10.5] | 47.9 [14.0]   | 45.8 [13.4] | 42.6 [12.5] | 55.1 [16.1]   | 52.6 [15.4] | 48.9 [14.3] |
|                                                  |                 | Power           | 3.9           | 3.8         | 3.8         | 3.8           | 3.8         | 3.7         | 3.8           | 3.8         | 3.7         |
|                                                  | 85<br>[29.4]    | Total BTUH [kW] | 68.7 [20.1]   | 67.5 [19.8] | 65.6 [19.2] | 64.9 [19.0]   | 63.8 [18.7] | 62.0 [18.2] | 61.5 [18.0]   | 60.4 [17.7] | 58.8 [17.2] |
|                                                  |                 | Sens BTUH [kW]  | 39.6 [11.6]   | 37.9 [11.1] | 35.2 [10.3] | 47.1 [13.8]   | 45.0 [13.2] | 41.9 [12.3] | 54.3 [15.9]   | 51.9 [15.2] | 48.2 [14.1] |
|                                                  |                 | Power           | 4.1           | 4.0         | 4.0         | 4.0           | 4.0         | 4.0         | 4.0           | 4.0         | 3.9         |
|                                                  | 90<br>[32.2]    | Total BTUH [kW] | 66.9 [19.6]   | 65.7 [19.3] | 63.9 [18.7] | 63.1 [18.5]   | 62.0 [18.2] | 60.3 [17.7] | 59.7 [17.5]   | 58.6 [17.2] | 57.0 [16.7] |
| Sens BTUH [kW]                                   |                 | 38.8 [11.4]     | 37.0 [10.9]   | 34.5 [10.1] | 46.3 [13.6] | 44.2 [13.0]   | 41.1 [12.1] | 53.4 [15.7] | 51.1 [15.0]   | 47.5 [13.9] |             |
| Power                                            |                 | 4.3             | 4.3           | 4.2         | 4.3         | 4.2           | 4.2         | 4.2         | 4.2           | 4.1         |             |
| 95<br>[35]                                       | Total BTUH [kW] | 65.0 [19.0]     | 63.8 [18.7]   | 62.1 [18.2] | 61.2 [17.9] | 60.1 [17.6]   | 58.5 [17.1] | 57.8 [16.9] | 56.8 [16.6]   | 55.2 [16.2] |             |
|                                                  | Sens BTUH [kW]  | 37.8 [11.1]     | 36.2 [10.6]   | 33.6 [9.9]  | 45.4 [13.3] | 43.3 [12.7]   | 40.3 [11.8] | 52.5 [15.4] | 50.2 [14.7]   | 46.7 [13.7] |             |
|                                                  | Power           | 4.5             | 4.5           | 4.4         | 4.5         | 4.5           | 4.4         | 4.5         | 4.4           | 4.4         |             |
| 100<br>[37.8]                                    | Total BTUH [kW] | 63.0 [18.5]     | 61.9 [18.1]   | 60.2 [17.6] | 59.2 [17.4] | 58.2 [17.0]   | 56.6 [16.6] | 55.8 [16.3] | 54.8 [16.1]   | 53.3 [15.6] |             |
|                                                  | Sens BTUH [kW]  | 36.8 [10.8]     | 35.2 [10.3]   | 32.7 [9.6]  | 44.3 [13.0] | 42.4 [12.4]   | 39.4 [11.5] | 51.5 [15.1] | 49.2 [14.4]   | 45.8 [13.4] |             |
|                                                  | Power           | 4.8             | 4.8           | 4.7         | 4.8         | 4.7           | 4.7         | 4.7         | 4.7           | 4.6         |             |
| 105<br>[40.6]                                    | Total BTUH [kW] | 60.9 [17.8]     | 59.8 [17.5]   | 58.1 [17.0] | 57.1 [16.7] | 56.1 [16.4]   | 54.5 [16.0] | 53.7 [15.7] | 52.7 [15.4]   | 51.3 [15.0] |             |
|                                                  | Sens BTUH [kW]  | 35.7 [10.5]     | 34.1 [10.0]   | 31.7 [9.3]  | 43.2 [12.7] | 41.3 [12.1]   | 38.4 [11.3] | 50.4 [14.8] | 48.1 [14.1]   | 44.8 [13.1] |             |
|                                                  | Power           | 5.1             | 5.0           | 5.0         | 5.0         | 5.0           | 4.9         | 5.0         | 5.0           | 4.9         |             |
| 110<br>[43.3]                                    | Total BTUH [kW] | 58.6 [17.2]     | 57.6 [16.9]   | 56.0 [16.4] | 54.9 [16.1] | 53.9 [15.8]   | 52.4 [15.4] | 51.4 [15.1] | 50.5 [14.8]   | 49.1 [14.4] |             |
|                                                  | Sens BTUH [kW]  | 34.5 [10.1]     | 33.0 [9.7]    | 30.7 [9.0]  | 42.0 [12.3] | 40.2 [11.8]   | 37.4 [10.9] | 49.2 [14.4] | 47.0 [13.8]   | 43.7 [12.8] |             |
|                                                  | Power           | 5.3             | 5.3           | 5.2         | 5.3         | 5.3           | 5.2         | 5.3         | 5.2           | 5.2         |             |
| 115<br>[46.1]                                    | Total BTUH [kW] | 56.3 [16.5]     | 55.3 [16.2]   | 53.8 [15.8] | 52.5 [15.4] | 51.6 [15.1]   | 50.2 [14.7] | 49.1 [14.4] | 48.2 [14.1]   | 46.9 [13.7] |             |
|                                                  | Sens BTUH [kW]  | 33.2 [9.7]      | 31.8 [9.3]    | 29.5 [8.7]  | 40.8 [11.9] | 38.9 [11.4]   | 36.2 [10.6] | 47.9 [14.0] | 45.8 [13.4]   | 42.6 [12.5] |             |
|                                                  | Power           | 5.6             | 5.6           | 5.5         | 5.6         | 5.6           | 5.5         | 5.6         | 5.5           | 5.5         |             |
| 120<br>[48.9]                                    | Total BTUH [kW] | 53.8 [15.8]     | 52.9 [15.5]   | 51.4 [15.1] | 50.1 [14.7] | 49.2 [14.4]   | 47.8 [14.0] | 46.6 [13.7] | 45.8 [13.4]   | 44.6 [13.1] |             |
|                                                  | Sens BTUH [kW]  | 31.9 [9.3]      | 30.5 [8.9]    | 28.3 [8.3]  | 39.4 [11.5] | 37.6 [11.0]   | 35.0 [10.3] | 46.6 [13.6] | 44.5 [13.0]   | 41.4 [12.1] |             |
|                                                  | Power           | 6.0             | 5.9           | 5.8         | 5.9         | 5.9           | 5.8         | 5.9         | 5.8           | 5.8         |             |
| 125<br>[51.7]                                    | Total BTUH [kW] | 51.3 [15.0]     | 50.4 [14.8]   | 49.0 [14.4] | 47.5 [13.9] | 46.7 [13.7]   | 45.4 [13.3] | 44.1 [12.9] | 43.3 [12.7]   | 42.1 [12.3] |             |
|                                                  | Sens BTUH [kW]  | 30.4 [8.9]      | 29.1 [8.5]    | 27.0 [7.9]  | 38.0 [11.1] | 36.3 [10.6]   | 33.7 [9.9]  | 44.1 [12.9] | 43.1 [12.6]   | 40.1 [11.7] |             |
|                                                  | Power           | 6.3             | 6.2           | 6.1         | 6.3         | 6.2           | 6.1         | 6.2         | 6.2           | 6.1         |             |

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)].

[ ] Designates Metric Conversions



## GROSS SYSTEMS PERFORMANCE DATA—RLQN-A036

| 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]                                 |               |                                            | 1375 [649]                       | 1250 [590]                       | 1062 [501]                       | 1375 [649]                       | 1250 [590]                       | 1062 [501]                       | 1375 [649]                        | 1250 [590]                       | 1062 [501]                       |
| DR ①                                      |               |                                            | 0.19                             | 0.17                             | 0.14                             | 0.19                             | 0.17                             | 0.14                             | 0.19                              | 0.17                             | 0.14                             |
| OUTDOOR DRY BULB TEMPERATURE<br>°F [°C]   | 75<br>[23.9]  | Total BTUH [kW]<br>Sens BTUH [kW]<br>Power | 44.3 [13.0]<br>25.8 [7.6]<br>2.0 | 43.6 [12.8]<br>24.7 [7.2]<br>2.0 | 42.4 [12.4]<br>22.9 [6.7]<br>2.0 | 41.9 [12.3]<br>30.7 [9.0]<br>2.0 | 41.1 [12.1]<br>29.3 [8.6]<br>2.0 | 40.0 [11.7]<br>27.2 [8.0]<br>2.0 | 39.8 [11.7]<br>34.6 [10.1]<br>2.0 | 39.1 [11.5]<br>33.1 [9.7]<br>2.0 | 38.0 [11.1]<br>30.7 [9.0]<br>1.9 |
|                                           | 80<br>[26.7]  | Total BTUH [kW]<br>Sens BTUH [kW]<br>Power | 43.2 [12.7]<br>25.3 [7.4]<br>2.1 | 42.4 [12.4]<br>24.2 [7.1]<br>2.1 | 41.2 [12.1]<br>22.5 [6.6]<br>2.1 | 40.7 [11.9]<br>30.1 [8.8]<br>2.1 | 40.0 [11.7]<br>28.8 [8.4]<br>2.1 | 38.9 [11.4]<br>26.8 [7.8]<br>2.1 | 38.6 [11.3]<br>34.1 [10.0]<br>2.1 | 37.9 [11.1]<br>32.6 [9.5]<br>2.1 | 36.9 [10.8]<br>30.3 [8.9]<br>2.1 |
|                                           | 85<br>[29.4]  | Total BTUH [kW]<br>Sens BTUH [kW]<br>Power | 42.0 [12.3]<br>24.7 [7.2]<br>2.2 | 41.2 [12.1]<br>23.6 [6.9]<br>2.2 | 40.1 [11.7]<br>22.0 [6.4]<br>2.2 | 39.5 [11.6]<br>29.6 [8.7]<br>2.2 | 38.8 [11.4]<br>28.3 [8.3]<br>2.2 | 37.7 [11.1]<br>26.3 [7.7]<br>2.2 | 37.4 [11.0]<br>33.5 [9.8]<br>2.2  | 36.7 [10.8]<br>32.0 [9.4]<br>2.2 | 35.7 [10.5]<br>29.8 [8.7]<br>2.2 |
|                                           | 90<br>[32.2]  | Total BTUH [kW]<br>Sens BTUH [kW]<br>Power | 40.7 [11.9]<br>24.1 [7.1]<br>2.4 | 40.0 [11.7]<br>23.1 [6.8]<br>2.3 | 38.9 [11.4]<br>21.4 [6.3]<br>2.3 | 38.2 [11.2]<br>29.0 [8.5]<br>2.3 | 37.6 [11.0]<br>27.7 [8.1]<br>2.3 | 36.5 [10.7]<br>25.8 [7.5]<br>2.3 | 36.2 [10.6]<br>32.9 [9.7]<br>2.3  | 35.5 [10.4]<br>31.5 [9.2]<br>2.3 | 34.5 [10.1]<br>29.3 [8.6]<br>2.3 |
|                                           | 95<br>[35]    | Total BTUH [kW]<br>Sens BTUH [kW]<br>Power | 39.4 [11.6]<br>23.5 [6.9]<br>2.5 | 38.7 [11.3]<br>22.5 [6.6]<br>2.5 | 37.7 [11.0]<br>20.9 [6.1]<br>2.4 | 36.9 [10.8]<br>28.4 [8.3]<br>2.5 | 36.3 [10.6]<br>27.1 [7.9]<br>2.5 | 35.3 [10.3]<br>25.2 [7.4]<br>2.4 | 34.9 [10.2]<br>32.3 [9.5]<br>2.5  | 34.3 [10.0]<br>30.9 [9.0]<br>2.4 | 33.3 [9.8]<br>28.7 [8.4]<br>2.4  |
|                                           | 100<br>[37.8] | Total BTUH [kW]<br>Sens BTUH [kW]<br>Power | 38.1 [11.2]<br>22.8 [6.7]<br>2.6 | 37.4 [11.0]<br>21.8 [6.4]<br>2.6 | 36.4 [10.7]<br>20.3 [5.9]<br>2.6 | 35.6 [10.4]<br>27.7 [8.1]<br>2.6 | 35.0 [10.3]<br>26.4 [7.7]<br>2.6 | 34.0 [10.0]<br>24.6 [7.2]<br>2.6 | 33.5 [9.8]<br>31.6 [9.3]<br>2.6   | 32.9 [9.7]<br>30.2 [8.9]<br>2.6  | 32.0 [9.4]<br>28.1 [8.2]<br>2.6  |
|                                           | 105<br>[40.6] | Total BTUH [kW]<br>Sens BTUH [kW]<br>Power | 36.7 [10.8]<br>22.1 [6.5]<br>2.8 | 36.1 [10.6]<br>21.1 [6.2]<br>2.8 | 35.1 [10.3]<br>19.7 [5.8]<br>2.7 | 34.3 [10.0]<br>27.0 [7.9]<br>2.8 | 33.6 [9.9]<br>25.8 [7.6]<br>2.7  | 32.7 [9.6]<br>24.0 [7.0]<br>2.7  | 32.2 [9.4]<br>30.9 [9.1]<br>2.8   | 31.6 [9.3]<br>29.5 [8.7]<br>2.7  | 30.7 [9.0]<br>27.5 [8.0]<br>2.7  |
|                                           | 110<br>[43.3] | Total BTUH [kW]<br>Sens BTUH [kW]<br>Power | 35.3 [10.4]<br>21.4 [6.3]<br>2.9 | 34.7 [10.2]<br>20.4 [6.0]<br>2.9 | 33.7 [9.9]<br>19.0 [5.6]<br>2.9  | 32.9 [9.6]<br>26.2 [7.7]<br>2.9  | 32.3 [9.5]<br>25.0 [7.3]<br>2.9  | 31.4 [9.2]<br>23.3 [6.8]<br>2.9  | 30.8 [9.0]<br>30.2 [8.8]<br>2.9   | 30.2 [8.9]<br>28.8 [8.4]<br>2.9  | 29.4 [8.6]<br>26.8 [7.9]<br>2.9  |
|                                           | 115<br>[46.1] | Total BTUH [kW]<br>Sens BTUH [kW]<br>Power | 33.9 [9.9]<br>20.6 [6.0]<br>3.1  | 33.3 [9.8]<br>19.7 [5.8]<br>3.1  | 32.4 [9.5]<br>18.3 [5.4]<br>3.0  | 31.4 [9.2]<br>25.4 [7.5]<br>3.1  | 30.8 [9.0]<br>24.3 [7.1]<br>3.1  | 30.0 [8.8]<br>22.6 [6.6]<br>3.0  | 29.3 [8.6]<br>29.3 [8.6]<br>3.1   | 28.8 [8.4]<br>28.1 [8.2]<br>3.1  | 28.0 [8.2]<br>26.1 [7.6]<br>3.0  |
|                                           | 120<br>[48.9] | Total BTUH [kW]<br>Sens BTUH [kW]<br>Power | 32.4 [9.5]<br>19.8 [5.8]<br>3.3  | 31.8 [9.3]<br>18.9 [5.5]<br>3.3  | 31.0 [9.1]<br>17.6 [5.1]<br>3.2  | 29.9 [8.8]<br>24.6 [7.2]<br>3.3  | 29.4 [8.6]<br>23.5 [6.9]<br>3.2  | 28.6 [8.4]<br>21.9 [6.4]<br>3.2  | 27.9 [8.2]<br>27.9 [8.2]<br>3.3   | 27.4 [8.0]<br>27.3 [8.0]<br>3.2  | 26.6 [7.8]<br>25.4 [7.4]<br>3.2  |
|                                           | 125<br>[51.7] | Total BTUH [kW]<br>Sens BTUH [kW]<br>Power | 30.9 [9.1]<br>18.9 [5.5]<br>3.5  | 30.3 [8.9]<br>18.1 [5.3]<br>3.4  | 29.5 [8.6]<br>16.8 [4.9]<br>3.4  | 28.4 [8.3]<br>23.7 [7.0]<br>3.5  | 27.9 [8.2]<br>22.7 [6.6]<br>3.4  | 27.1 [8.0]<br>21.1 [6.2]<br>3.4  | 26.3 [7.7]<br>26.3 [7.7]<br>3.4   | 25.9 [7.6]<br>25.9 [7.6]<br>3.4  | 25.2 [7.4]<br>24.6 [7.2]<br>3.4  |

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  $[1.10 \times \text{CFM} \times (1 - \text{DR}) \times (\text{dbE} - 80)]$ .

[ ] Designates Metric Conversions



**GROSS SYSTEMS PERFORMANCE DATA—RLQN-A048**

| 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]  | 1360 [642]  | 1760 [831]    | 1600 [755]  | 1360 [642]  | 1760 [831]    | 1600 [755]  | 1360 [642]  |
| DR ①                                             |                 |                 | 0.11          | 0.09        | 0.05        | 0.11          | 0.09        | 0.05        | 0.11          | 0.09        | 0.05        |
| OUTDOOR<br>DRY<br>BULB<br>TEMPERATURE<br>°F [°C] | 75<br>[23.9]    | Total BTUH [kW] | 57.9 [17.0]   | 56.9 [16.7] | 55.3 [16.2] | 55.0 [16.1]   | 54.0 [15.8] | 52.5 [15.4] | 52.3 [15.3]   | 51.4 [15.1] | 50.0 [14.6] |
|                                                  |                 | Sens BTUH [kW]  | 34.8 [10.2]   | 33.2 [9.7]  | 30.9 [9.1]  | 41.4 [12.1]   | 39.6 [11.6] | 36.8 [10.8] | 46.2 [13.5]   | 44.2 [12.9] | 41.1 [12.0] |
|                                                  |                 | Power           | 2.7           | 2.7         | 2.6         | 2.7           | 2.7         | 2.6         | 2.7           | 2.6         | 2.6         |
|                                                  | 80<br>[26.7]    | Total BTUH [kW] | 56.4 [16.5]   | 55.4 [16.2] | 53.9 [15.8] | 53.5 [15.7]   | 52.6 [15.4] | 51.1 [15.0] | 50.8 [14.9]   | 49.9 [14.6] | 48.6 [14.2] |
|                                                  |                 | Sens BTUH [kW]  | 34.3 [10.0]   | 32.7 [9.6]  | 30.5 [8.9]  | 40.9 [12.0]   | 39.1 [11.5] | 36.4 [10.7] | 45.7 [13.4]   | 43.7 [12.8] | 40.6 [11.9] |
|                                                  |                 | Power           | 2.8           | 2.8         | 2.8         | 2.8           | 2.8         | 2.7         | 2.8           | 2.8         | 2.7         |
|                                                  | 85<br>[29.4]    | Total BTUH [kW] | 54.9 [16.1]   | 53.9 [15.8] | 52.4 [15.4] | 52.0 [15.2]   | 51.0 [15.0] | 49.6 [14.5] | 49.3 [14.4]   | 48.4 [14.2] | 47.1 [13.8] |
|                                                  |                 | Sens BTUH [kW]  | 33.7 [9.9]    | 32.2 [9.4]  | 29.9 [8.8]  | 40.3 [11.8]   | 38.5 [11.3] | 35.8 [10.5] | 45.1 [13.2]   | 43.1 [12.6] | 40.1 [11.7] |
|                                                  |                 | Power           | 3.0           | 3.0         | 2.9         | 3.0           | 2.9         | 2.9         | 2.9           | 2.9         | 2.9         |
|                                                  | 90<br>[32.2]    | Total BTUH [kW] | 53.3 [15.6]   | 52.3 [15.3] | 50.9 [14.9] | 50.4 [14.8]   | 49.5 [14.5] | 48.1 [14.1] | 47.7 [14.0]   | 46.9 [13.7] | 45.6 [13.4] |
|                                                  |                 | Sens BTUH [kW]  | 33.0 [9.7]    | 31.5 [9.2]  | 29.3 [8.6]  | 39.6 [11.6]   | 37.9 [11.1] | 35.2 [10.3] | 44.4 [13.0]   | 42.4 [12.4] | 39.5 [11.6] |
|                                                  |                 | Power           | 3.1           | 3.1         | 3.1         | 3.1           | 3.1         | 3.1         | 3.1           | 3.1         | 3.0         |
| 95<br>[35]                                       | Total BTUH [kW] | 51.7 [15.1]     | 50.7 [14.9]   | 49.4 [14.5] | 48.8 [14.3] | 47.9 [14.0]   | 46.6 [13.7] | 46.1 [13.5] | 45.3 [13.3]   | 44.0 [12.9] |             |
|                                                  | Sens BTUH [kW]  | 32.2 [9.4]      | 30.7 [9.0]    | 28.6 [8.4]  | 38.8 [11.4] | 37.1 [10.9]   | 34.5 [10.1] | 43.6 [12.8] | 41.7 [12.2]   | 38.8 [11.4] |             |
|                                                  | Power           | 3.3             | 3.3           | 3.3         | 3.3         | 3.3           | 3.2         | 3.3         | 3.3           | 3.2         |             |
| 100<br>[37.8]                                    | Total BTUH [kW] | 50.0 [14.7]     | 49.1 [14.4]   | 47.8 [14.0] | 47.1 [13.8] | 46.3 [13.6]   | 45.0 [13.2] | 44.4 [13.0] | 43.6 [12.8]   | 42.4 [12.4] |             |
|                                                  | Sens BTUH [kW]  | 31.3 [9.2]      | 29.9 [8.8]    | 27.8 [8.1]  | 37.9 [11.1] | 36.3 [10.6]   | 33.7 [9.9]  | 42.7 [12.5] | 40.8 [12.0]   | 38.0 [11.1] |             |
|                                                  | Power           | 3.5             | 3.5           | 3.4         | 3.5         | 3.5           | 3.4         | 3.5         | 3.5           | 3.4         |             |
| 105<br>[40.6]                                    | Total BTUH [kW] | 48.3 [14.2]     | 47.4 [13.9]   | 46.1 [13.5] | 45.4 [13.3] | 44.6 [13.1]   | 43.4 [12.7] | 42.7 [12.5] | 42.0 [12.3]   | 40.8 [12.0] |             |
|                                                  | Sens BTUH [kW]  | 30.3 [8.9]      | 29.0 [8.5]    | 26.9 [7.9]  | 37.0 [10.8] | 35.3 [10.3]   | 32.8 [9.6]  | 41.8 [12.2] | 39.9 [11.7]   | 37.1 [10.9] |             |
|                                                  | Power           | 3.7             | 3.7           | 3.7         | 3.7         | 3.7           | 3.6         | 3.7         | 3.7           | 3.6         |             |
| 110<br>[43.3]                                    | Total BTUH [kW] | 46.6 [13.6]     | 45.7 [13.4]   | 44.5 [13.0] | 43.7 [12.8] | 42.9 [12.6]   | 41.7 [12.2] | 41.0 [12.0] | 40.2 [11.8]   | 39.1 [11.5] |             |
|                                                  | Sens BTUH [kW]  | 29.2 [8.6]      | 27.9 [8.2]    | 26.0 [7.6]  | 35.9 [10.5] | 34.3 [10.0]   | 31.9 [9.3]  | 40.7 [11.9] | 38.9 [11.4]   | 36.1 [10.6] |             |
|                                                  | Power           | 4.0             | 3.9           | 3.9         | 3.9         | 3.9           | 3.9         | 3.9         | 3.9           | 3.8         |             |
| 115<br>[46.1]                                    | Total BTUH [kW] | 44.8 [13.1]     | 44.0 [12.9]   | 42.8 [12.5] | 41.9 [12.3] | 41.1 [12.0]   | 40.0 [11.7] | 39.2 [11.5] | 38.5 [11.3]   | 37.4 [11.0] |             |
|                                                  | Sens BTUH [kW]  | 28.1 [8.2]      | 26.8 [7.9]    | 24.9 [7.3]  | 34.7 [10.2] | 33.2 [9.7]    | 30.8 [9.0]  | 39.2 [11.5] | 37.8 [11.1]   | 35.1 [10.3] |             |
|                                                  | Power           | 4.2             | 4.2           | 4.1         | 4.2         | 4.2           | 4.1         | 4.2         | 4.1           | 4.1         |             |
| 120<br>[48.9]                                    | Total BTUH [kW] | 42.9 [12.6]     | 42.2 [12.4]   | 41.0 [12.0] | 40.0 [11.7] | 39.3 [11.5]   | 38.2 [11.2] | 37.4 [10.9] | 36.7 [10.8]   | 35.7 [10.5] |             |
|                                                  | Sens BTUH [kW]  | 26.8 [7.9]      | 25.6 [7.5]    | 23.8 [7.0]  | 33.5 [9.8]  | 32.0 [9.4]    | 29.7 [8.7]  | 37.4 [10.9] | 36.5 [10.7]   | 34.0 [10.0] |             |
|                                                  | Power           | 4.5             | 4.4           | 4.4         | 4.4         | 4.4           | 4.3         | 4.4         | 4.4           | 4.3         |             |
| 125<br>[51.7]                                    | Total BTUH [kW] | 41.1 [12.0]     | 40.3 [11.8]   | 39.2 [11.5] | 38.2 [11.2] | 37.5 [11.0]   | 36.5 [10.7] | 35.5 [10.4] | 34.8 [10.2]   | 33.9 [9.9]  |             |
|                                                  | Sens BTUH [kW]  | 25.4 [7.5]      | 24.3 [7.1]    | 22.6 [6.6]  | 32.1 [9.4]  | 30.7 [9.0]    | 28.5 [8.4]  | 35.5 [10.4] | 34.8 [10.2]   | 32.8 [9.6]  |             |
|                                                  | Power           | 4.7             | 4.7           | 4.6         | 4.7         | 4.7           | 4.6         | 4.7         | 4.7           | 4.6         |             |

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  $[1.10 \times \text{CFM} \times (1 - \text{DR}) \times (\text{dbE} - 80)]$ .

[ ] Designates Metric Conversions







## GROSS SYSTEMS PERFORMANCE DATA—RLQN-A060

| 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]                                 |               |                                            | 1980 [934]                        | 1800 [850]                        | 1530 [722]                        | 1980 [934]                        | 1800 [850]                        | 1530 [722]                        | 1980 [934]                        | 1800 [850]                        | 1530 [722]                        |
| DR ①                                      |               |                                            | 0.14                              | 0.13                              | 0.1                               | 0.14                              | 0.13                              | 0.1                               | 0.14                              | 0.13                              | 0.1                               |
| OUTDOOR DRY BULB TEMPERATURE<br>°F [°C]   | 75<br>[23.9]  | Total BTUH [kW]<br>Sens BTUH [kW]<br>Power | 70.3 [20.6]<br>40.2 [11.8]<br>3.6 | 69.0 [20.2]<br>38.4 [11.3]<br>3.5 | 67.1 [19.7]<br>35.7 [10.5]<br>3.5 | 66.2 [19.4]<br>47.5 [13.9]<br>3.5 | 65.0 [19.0]<br>45.3 [13.3]<br>3.5 | 63.2 [18.5]<br>42.2 [12.4]<br>3.5 | 62.2 [18.2]<br>53.7 [15.7]<br>3.5 | 61.0 [17.9]<br>51.3 [15.0]<br>3.5 | 59.4 [17.4]<br>47.7 [14.0]<br>3.4 |
|                                           | 80<br>[26.7]  | Total BTUH [kW]<br>Sens BTUH [kW]<br>Power | 68.8 [20.2]<br>39.6 [11.6]<br>3.8 | 67.6 [19.8]<br>37.9 [11.1]<br>3.7 | 65.8 [19.3]<br>35.2 [10.3]<br>3.7 | 64.7 [19.0]<br>46.8 [13.7]<br>3.7 | 63.6 [18.6]<br>44.8 [13.1]<br>3.7 | 61.8 [18.1]<br>41.6 [12.2]<br>3.6 | 60.7 [17.8]<br>53.1 [15.5]<br>3.7 | 59.6 [17.5]<br>50.7 [14.9]<br>3.6 | 58.0 [17.0]<br>47.1 [13.8]<br>3.6 |
|                                           | 85<br>[29.4]  | Total BTUH [kW]<br>Sens BTUH [kW]<br>Power | 67.3 [19.7]<br>38.9 [11.4]<br>3.9 | 66.1 [19.4]<br>37.2 [10.9]<br>3.9 | 64.3 [18.8]<br>34.6 [10.1]<br>3.9 | 63.2 [18.5]<br>46.2 [13.5]<br>3.9 | 62.1 [18.2]<br>44.1 [12.9]<br>3.9 | 60.4 [17.7]<br>41.0 [12.0]<br>3.8 | 59.2 [17.3]<br>52.4 [15.3]<br>3.9 | 58.1 [17.0]<br>50.0 [14.7]<br>3.8 | 56.5 [16.6]<br>46.5 [13.6]<br>3.8 |
|                                           | 90<br>[32.2]  | Total BTUH [kW]<br>Sens BTUH [kW]<br>Power | 65.7 [19.2]<br>38.2 [11.2]<br>4.2 | 64.5 [18.9]<br>36.5 [10.7]<br>4.1 | 62.7 [18.4]<br>33.9 [9.9]<br>4.1  | 61.6 [18.0]<br>45.4 [13.3]<br>4.1 | 60.5 [17.7]<br>43.4 [12.7]<br>4.1 | 58.8 [17.2]<br>40.3 [11.8]<br>4.0 | 57.6 [16.9]<br>51.6 [15.1]<br>4.1 | 56.5 [16.6]<br>49.3 [14.4]<br>4.0 | 55.0 [16.1]<br>45.9 [13.4]<br>4.0 |
|                                           | 95<br>[35]    | Total BTUH [kW]<br>Sens BTUH [kW]<br>Power | 64.0 [18.7]<br>37.3 [10.9]<br>4.4 | 62.8 [18.4]<br>35.7 [10.5]<br>4.4 | 61.1 [17.9]<br>33.2 [9.7]<br>4.3  | 59.8 [17.5]<br>44.6 [13.1]<br>4.3 | 58.8 [17.2]<br>42.6 [12.5]<br>4.3 | 57.2 [16.8]<br>39.6 [11.6]<br>4.3 | 55.8 [16.4]<br>50.8 [14.9]<br>4.3 | 54.8 [16.1]<br>48.5 [14.2]<br>4.3 | 53.3 [15.6]<br>45.1 [13.2]<br>4.2 |
|                                           | 100<br>[37.8] | Total BTUH [kW]<br>Sens BTUH [kW]<br>Power | 62.1 [18.2]<br>36.4 [10.7]<br>4.6 | 61.0 [17.9]<br>34.8 [10.2]<br>4.6 | 59.4 [17.4]<br>32.4 [9.5]<br>4.5  | 58.0 [17.0]<br>43.6 [12.8]<br>4.6 | 57.0 [16.7]<br>41.7 [12.2]<br>4.6 | 55.4 [16.2]<br>38.8 [11.4]<br>4.5 | 54.0 [15.8]<br>49.9 [14.6]<br>4.6 | 53.0 [15.5]<br>47.6 [14.0]<br>4.5 | 51.6 [15.1]<br>44.3 [13.0]<br>4.5 |
|                                           | 105<br>[40.6] | Total BTUH [kW]<br>Sens BTUH [kW]<br>Power | 60.2 [17.6]<br>35.4 [10.4]<br>4.9 | 59.2 [17.3]<br>33.8 [9.9]<br>4.9  | 57.5 [16.9]<br>31.5 [9.2]<br>4.8  | 56.1 [16.4]<br>42.6 [12.5]<br>4.9 | 55.1 [16.2]<br>40.7 [11.9]<br>4.8 | 53.6 [15.7]<br>37.9 [11.1]<br>4.8 | 52.1 [15.3]<br>48.9 [14.3]<br>4.8 | 51.2 [15.0]<br>46.7 [13.7]<br>4.8 | 49.8 [14.6]<br>43.4 [12.7]<br>4.7 |
|                                           | 110<br>[43.3] | Total BTUH [kW]<br>Sens BTUH [kW]<br>Power | 58.2 [17.1]<br>34.3 [10.1]<br>5.2 | 57.2 [16.8]<br>32.8 [9.6]<br>5.2  | 55.6 [16.3]<br>30.5 [8.9]<br>5.1  | 54.1 [15.9]<br>41.6 [12.2]<br>5.2 | 53.1 [15.6]<br>39.7 [11.6]<br>5.1 | 51.7 [15.1]<br>36.9 [10.8]<br>5.0 | 50.1 [14.7]<br>47.8 [14.0]<br>5.1 | 49.2 [14.4]<br>45.7 [13.4]<br>5.1 | 47.9 [14.0]<br>42.5 [12.4]<br>5.0 |
|                                           | 115<br>[46.1] | Total BTUH [kW]<br>Sens BTUH [kW]<br>Power | 56.1 [16.4]<br>33.2 [9.7]<br>5.5  | 55.1 [16.2]<br>31.7 [9.3]<br>5.5  | 53.6 [15.7]<br>29.5 [8.6]<br>5.4  | 52.0 [15.2]<br>40.4 [11.8]<br>5.5 | 51.1 [15.0]<br>38.6 [11.3]<br>5.4 | 49.7 [14.6]<br>35.9 [10.5]<br>5.3 | 48.0 [14.1]<br>46.6 [13.7]<br>5.4 | 47.1 [13.8]<br>44.6 [13.1]<br>5.4 | 45.9 [13.4]<br>41.4 [12.1]<br>5.3 |
|                                           | 120<br>[48.9] | Total BTUH [kW]<br>Sens BTUH [kW]<br>Power | 53.9 [15.8]<br>32.0 [9.4]<br>5.8  | 53.0 [15.5]<br>30.5 [9.0]<br>5.8  | 51.5 [15.1]<br>28.4 [8.3]<br>5.7  | 49.8 [14.6]<br>39.2 [11.5]<br>5.8 | 48.9 [14.3]<br>37.5 [11.0]<br>5.7 | 47.6 [13.9]<br>34.8 [10.2]<br>5.7 | 45.8 [13.4]<br>45.4 [13.3]<br>5.7 | 45.0 [13.2]<br>43.4 [12.7]<br>5.7 | 43.8 [12.8]<br>40.3 [11.8]<br>5.6 |
|                                           | 125<br>[51.7] | Total BTUH [kW]<br>Sens BTUH [kW]<br>Power | 51.6 [15.1]<br>30.7 [9.0]<br>6.2  | 50.7 [14.9]<br>29.3 [8.6]<br>6.1  | 49.3 [14.5]<br>27.2 [8.0]<br>6.0  | 47.5 [13.9]<br>37.9 [11.1]<br>6.1 | 46.7 [13.7]<br>36.2 [10.6]<br>6.1 | 45.4 [13.3]<br>33.7 [9.9]<br>6.0  | 43.5 [12.8]<br>43.5 [12.8]<br>6.1 | 42.7 [12.5]<br>42.1 [12.3]<br>6.0 | 41.6 [12.2]<br>39.2 [11.5]<br>5.9 |

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  $[1.10 \times \text{CFM} \times (1 - \text{DR}) \times (\text{dbE} - 80)]$ .

[ ] Designates Metric Conversions



# DIRECT-DRIVE 208 AIRFLOW PERFORMANCE

| Unit Model | Motor Speed From Factory |      | Heating Input<br>BTU/hr<br>[KW] | Manufacturer<br>Recommended<br>Air-Flow Range<br>(Min/Max) CFM | Blower Size/<br>Motor<br>HP (w)<br># of Speeds        | Motor Speed | CFM [L/s] Air Delivery/RPM/Watts-230/460 Volts |           |           |           |           |           |           |           |  |  |
|------------|--------------------------|------|---------------------------------|----------------------------------------------------------------|-------------------------------------------------------|-------------|------------------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|--|--|
|            |                          |      |                                 |                                                                |                                                       |             | External Static Pressure—Inches W.C. [kPa]     |           |           |           |           |           |           |           |  |  |
|            | Cool                     | Heat |                                 |                                                                |                                                       |             | 0.1 [.02]                                      | 0.2 [.05] | 0.3 [.07] | 0.4 [.10] | 0.5 [.12] | 0.6 [.15] | 0.7 [.17] | 0.8 [.20] |  |  |
| RLPN-A036  | Low                      | Low  | 80,000<br>[23.45]               | 1050/1350                                                      | 10x10<br>1/2 HP [373]<br>3 Speed Motor<br>(PSC Motor) | Low         | CFM<br>1153                                    | 1155      | 1150      | 1106      | 1043      | 977       | 809       | 645       |  |  |
|            |                          |      |                                 |                                                                |                                                       |             | Watts<br>519                                   | 503       | 485       | 453       | 418       | 393       | 345       | 289       |  |  |
|            |                          | Med  | 120,000<br>[35.17]              |                                                                |                                                       | Med         | CFM<br>1296                                    | 1303      | 1290      | 1269      | 1212      | 1143      | 1015      | 773       |  |  |
|            |                          |      |                                 |                                                                |                                                       | High        | Watts<br>594                                   | 581       | 560       | 539       | 510       | 470       | 432       | 369       |  |  |
| RLPN-A048  | Med                      |      |                                 | 1400/1800                                                      | 10x10<br>1/2 HP [373]<br>3 Speed Motor<br>(PSC Motor) |             | CFM<br>1661                                    | 1640      | 1605      | 1550      | 1479      | 1368      | 1259      | 943       |  |  |
|            |                          |      |                                 |                                                                |                                                       |             | Watts<br>778                                   | 748       | 708       | 671       | 630       | 570       | 530       | 436       |  |  |
|            |                          | Low  | 80,000<br>[23.45]               |                                                                |                                                       | Low         | CFM<br>1160                                    | 1164      | 1159      | 1132      | 1097      | 1013      | 913       | 702       |  |  |
|            |                          |      |                                 |                                                                |                                                       |             | Watts<br>521                                   | 503       | 489       | 469       | 444       | 402       | 372       | 300       |  |  |
| RLPN-A060  | Med                      | Med  | 120,000<br>[35.17]              | 1750/2250                                                      | 10x10<br>1 HP [745]<br>3 Speed Motor<br>(PSC Motor)   | Med         | CFM<br>1302                                    | 1299      | 1290      | 1268      | 1216      | 1144      | 1083      | 901       |  |  |
|            |                          |      |                                 |                                                                |                                                       |             | Watts<br>576                                   | 562       | 544       | 525       | 497       | 458       | 434       | 378       |  |  |
|            |                          | High | 135,000<br>[39.56]              |                                                                |                                                       | High        | CFM<br>1667                                    | 1651      | 1616      | 1569      | 1517      | 1441      | 1371      | 1153      |  |  |
|            |                          |      |                                 |                                                                |                                                       |             | Watts<br>782                                   | 751       | 713       | 680       | 644       | 597       | 564       | 485       |  |  |
| RLPN-A060  | Med                      | Low  | 120,000<br>[35.17]              | 1750/2250                                                      | 10x10<br>1 HP [745]<br>3 Speed Motor<br>(PSC Motor)   | Low         | CFM<br>1678                                    | 1641      | 1599      | 1557      | 1521      | 1471      | 1430      | 1384      |  |  |
|            |                          |      |                                 |                                                                |                                                       |             | Watts<br>354                                   | 364       | 386       | 409       | 430       | 456       | 470       | 491       |  |  |
|            |                          |      |                                 |                                                                |                                                       | Med         | CFM<br>1842                                    | 1820      | 1781      | 1741      | 1703      | 1659      | 1613      | 1536      |  |  |
|            |                          |      |                                 |                                                                |                                                       | High        | Watts<br>455                                   | 479       | 489       | 516       | 529       | 551       | 574       | 571       |  |  |
| RLPN-A060  | Med                      |      |                                 | 1750/2250                                                      | 10x10<br>1 HP [745]<br>3 Speed Motor<br>(PSC Motor)   |             | CFM<br>2476                                    | 2417      | 2336      | 2229      | 2120      | 1965      | 1816      | 1625      |  |  |
|            |                          | High | 135,000<br>[39.56]              |                                                                |                                                       | High        | Watts<br>1010                                  | 989       | 977       | 918       | 862       | 781       | 707       | 620       |  |  |

[ ] Designates Metric Conversions



## DIRECT-DRIVE 230/460 AIRFLOW PERFORMANCE

| Unit Model | Motor Speed From Factory |      | Heating Input<br>BTU/hr<br>[kW] | Manufacturer<br>Recommended<br>Air-Flow Range<br>(Min/Max) CFM | Blower Size/<br>Motor<br>HP [w]<br># of Speeds        | Motor Speed | CFM [L/s] Air Delivery/RPM/Watts-230/460 Volts |               |           |           |           |           |           |           |  |  |
|------------|--------------------------|------|---------------------------------|----------------------------------------------------------------|-------------------------------------------------------|-------------|------------------------------------------------|---------------|-----------|-----------|-----------|-----------|-----------|-----------|--|--|
|            |                          |      |                                 |                                                                |                                                       |             | External Static Pressure—Inches W.C. [kPa]     |               |           |           |           |           |           |           |  |  |
|            | Cool                     | Heat |                                 |                                                                |                                                       |             | 0.1 [.02]                                      | 0.2 [.05]     | 0.3 [.07] | 0.4 [.10] | 0.5 [.12] | 0.6 [.15] | 0.7 [.17] | 0.8 [.20] |  |  |
| RLPN-A036  | Low                      | Low  | 80,000<br>[23.45]               | 1050/1350                                                      | 10x10<br>1/2 HP [373]<br>3 Speed Motor<br>(PSC Motor) | Low         | CFM<br>1346                                    | Watts<br>596  | 1329      | 1287      | 1212      | 1157      | 969       | 838       |  |  |
|            |                          | Med  | 120,000<br>[35.17]              |                                                                |                                                       | Med         | CFM<br>1496                                    | Watts<br>697  | 1474      | 1442      | 1391      | 1323      | 1139      | 932       |  |  |
|            |                          |      |                                 |                                                                |                                                       | High        | CFM<br>1868                                    | Watts<br>870  | 1786      | 1719      | 1636      | 1521      | 1345      | 1037      |  |  |
| RLPN-A048  | Med                      | Low  | 80,000<br>[23.45]               | 1400/1800                                                      | 10x10<br>1/2 HP [373]<br>3 Speed Motor<br>(PSC Motor) | Low         | CFM<br>1355                                    | Watts<br>598  | 1340      | 1318      | 1275      | 1200      | 1094      | 912       |  |  |
|            |                          | Med  | 120,000<br>[35.17]              |                                                                |                                                       | Med         | CFM<br>1504                                    | Watts<br>677  | 1474      | 1440      | 1396      | 1324      | 1215      | 1087      |  |  |
|            |                          | High | 135,000<br>[39.56]              |                                                                |                                                       | High        | CFM<br>1875                                    | Watts<br>874  | 1798      | 1740      | 1679      | 1602      | 1464      | 1268      |  |  |
| RLPN-A060  | Med                      | Low  | 120,000<br>[35.17]              | 1750/2250                                                      | 10x10<br>1 HP [745]<br>3 Speed Motor<br>(X-13 Motor)  | Low         | CFM<br>1678                                    | Watts<br>354  | 1599      | 1557      | 1521      | 1471      | 1430      | 1384      |  |  |
|            |                          |      |                                 |                                                                |                                                       | Med         | CFM<br>1842                                    | Watts<br>455  | 1781      | 1741      | 1703      | 1659      | 1613      | 1536      |  |  |
|            |                          | High | 135,000<br>[39.56]              |                                                                |                                                       | High        | CFM<br>2476                                    | Watts<br>1010 | 2336      | 2229      | 2120      | 1965      | 1816      | 1625      |  |  |

[ ] Designates Metric Conversions

# DIRECT-DRIVE 208/230/460 AIRFLOW PERFORMANCE

| Unit Model | Motor Speed From Factory                    |                 | Heating Input<br>BTU/hr<br>[kW] | Manufacturer<br>Recommended<br>Air-Flow Range<br>(Min/Max) CFM | Blower Size/<br>Motor<br>HP (w)<br># of Speeds         | Motor Speed         | CFM [L/s] Air Delivery/RPM/Watts-230/460 Volts |           |           |           |           |           |           |           |      |  |
|------------|---------------------------------------------|-----------------|---------------------------------|----------------------------------------------------------------|--------------------------------------------------------|---------------------|------------------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------|--|
|            |                                             |                 |                                 |                                                                |                                                        |                     | External Static Pressure—Inches W.C. [kPa]     |           |           |           |           |           |           |           |      |  |
|            | Cool                                        | Heat            |                                 |                                                                |                                                        |                     | 0.1 [.02]                                      | 0.2 [.05] | 0.3 [.07] | 0.4 [.10] | 0.5 [.12] | 0.6 [.15] | 0.7 [.17] | 0.8 [.20] |      |  |
| RLON-A036  | Low<br>(Tap 2)                              |                 |                                 | 1050/1350                                                      | 10x10<br>1/2 HP [373]<br>3 Speed Motor<br>(X-13 Motor) | Low<br>(Tap 2)      | CFM                                            | 1345      | 1302      | 1260      | 1220      | 1178      | 1122      | 1076      | 979  |  |
|            |                                             | Med.<br>(Tap 3) | 80,000<br>[23.45]               |                                                                |                                                        |                     | Watts                                          | 215       | 230       | 245       | 260       | 274       | 284       | 303       | 320  |  |
|            |                                             | High<br>(Tap 4) | 120,000<br>[35.17]              |                                                                |                                                        | Med.<br>(Tap 3)     | CFM                                            | 1438      | 1398      | 1360      | 1322      | 1284      | 1245      | 1200      | 1137 |  |
|            |                                             |                 |                                 |                                                                |                                                        | High<br>(Tap 4)     | Watts                                          | 261       | 276       | 291       | 306       | 320       | 334       | 348       | 362  |  |
| RLON-A048  | Med<br>(Tap 2)                              |                 |                                 | 1400/1800                                                      | 10x10<br>3/4 HP [559]<br>4 Speed Motor<br>(X-13 Motor) |                     | CFM                                            | 1614      | 1576      | 1538      | 1504      | 1463      | 1425      | 1388      | 1349 |  |
|            |                                             | Low<br>(Tap 1)  | 80,000<br>[23.45]               |                                                                |                                                        | Low<br>(Tap 1)      | Watts                                          | 360       | 382       | 398       | 411       | 427       | 441       | 454       | 466  |  |
|            |                                             | Med.<br>(Tap 3) | 100,000<br>[29.31]              |                                                                |                                                        | Med.<br>(Tap 2)     | CFM                                            | 1403      | 1345      | 1310      | 1269      | 1212      | 1164      | 1083      | 1028 |  |
|            |                                             | High<br>(Tap 4) | 135,000<br>[39.56]              |                                                                |                                                        |                     | Watts                                          | 232       | 244       | 255       | 267       | 283       | 297       | 315       | 324  |  |
| RLON-A060  | Low Cool<br>(Tap 1)<br>High Cool<br>(Tap 3) |                 |                                 | 1st Stage Cool<br>1350/1400<br>2nd Stage Cool<br>1750/2250     | 10x10<br>1 HP [745]<br>5 Speed Motor<br>(X-13 Motor)   |                     | CFM                                            | 1677      | 1639      | 1597      | 1559      | 1522      | 1487      | 1432      | 1390 |  |
|            |                                             |                 |                                 |                                                                |                                                        | Med.<br>(Tap 3)     | Watts                                          | 354       | 367       | 382       | 396       | 412       | 425       | 442       | 459  |  |
|            |                                             |                 |                                 |                                                                |                                                        |                     | CFM                                            | 1677      | 1639      | 1597      | 1559      | 1522      | 1487      | 1432      | 1390 |  |
|            |                                             |                 |                                 |                                                                |                                                        | High<br>(Tap 4)     | Watts                                          | 354       | 367       | 382       | 396       | 412       | 425       | 442       | 459  |  |
| RLON-A060  | Low Cool<br>(Tap 1)<br>High Cool<br>(Tap 3) |                 |                                 | 1st Stage Cool<br>1350/1400<br>2nd Stage Cool<br>1750/2250     | 10x10<br>1 HP [745]<br>5 Speed Motor<br>(X-13 Motor)   |                     | CFM                                            | 1795      | 1758      | 1718      | 1688      | 1645      | 1607      | 1571      | 1535 |  |
|            |                                             |                 |                                 |                                                                |                                                        |                     | Watts                                          | 429       | 445       | 459       | 473       | 493       | 508       | 525       | 541  |  |
|            |                                             |                 |                                 |                                                                |                                                        | Low Cool<br>(Tap 1) | CFM                                            | 1404      | 1369      | 1326      | 1265      | 1221      | 1166      | 1107      | 1043 |  |
|            |                                             |                 |                                 |                                                                |                                                        |                     | Watts                                          | 233       | 250       | 270       | 280       | 300       | 319       | 340       | 344  |  |
| RLON-A060  | Low Cool<br>(Tap 1)<br>High Cool<br>(Tap 3) |                 |                                 | 1st Stage Cool<br>1350/1400<br>2nd Stage Cool<br>1750/2250     | 10x10<br>1 HP [745]<br>5 Speed Motor<br>(X-13 Motor)   |                     | CFM                                            | 1678      | 1641      | 1599      | 1557      | 1521      | 1471      | 1430      | 1384 |  |
|            |                                             |                 |                                 |                                                                |                                                        | Low<br>(Tap 2)      | Watts                                          | 354       | 364       | 386       | 409       | 430       | 456       | 470       | 491  |  |
|            |                                             |                 |                                 |                                                                |                                                        | Med.<br>(Tap 3)     | CFM                                            | 1842      | 1820      | 1781      | 1741      | 1703      | 1659      | 1613      | 1536 |  |
|            |                                             |                 |                                 |                                                                |                                                        |                     | Watts                                          | 455       | 479       | 489       | 516       | 529       | 551       | 574       | 571  |  |
| RLON-A060  | Low Cool<br>(Tap 1)<br>High Cool<br>(Tap 3) |                 |                                 | 1st Stage Cool<br>1350/1400<br>2nd Stage Cool<br>1750/2250     | 10x10<br>1 HP [745]<br>5 Speed Motor<br>(X-13 Motor)   |                     | CFM                                            | 1842      | 1820      | 1781      | 1741      | 1703      | 1659      | 1613      | 1536 |  |
|            |                                             |                 |                                 |                                                                |                                                        | Med.<br>(Tap 4)     | Watts                                          | 455       | 479       | 489       | 516       | 529       | 551       | 574       | 571  |  |
|            |                                             |                 |                                 |                                                                |                                                        |                     | CFM                                            | 2476      | 2417      | 2336      | 2229      | 2120      | 1965      | 1816      | 1625 |  |
|            |                                             |                 |                                 |                                                                |                                                        | High<br>(Tap 3)     | Watts                                          | 1010      | 989       | 977       | 918       | 862       | 781       | 707       | 620  |  |

[ ] Designates Metric Conversions

## DIRECT-DRIVE 208 AIRFLOW PERFORMANCE

| 5-TON 15 SEER<br>2-STAGE<br>CV & DV MODELS |                    | CFM<br>Setting | CFM [L/s] Air Delivery/RPM/Watts-230/460 Volts |            |            |            |            |            |            |            |            |            |            |            |            |            |            |  |
|--------------------------------------------|--------------------|----------------|------------------------------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|--|
|                                            |                    |                | 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] | 0.9 [ .22] | 1.0 [ .25] | 1.1 [ .27] | 1.2 [ .30] | 1.3 [ .32] | 1.4 [ .35] | 1.5 [ .37] |  |
| 1st Stage Cooling                          | FACTORY<br>SETTING | CFM            | 1393                                           | 1418       | 1443       | 1463       | 1470       | 1448       | 1456       | 1463       | 1415       | 1403       | 1376       | 1341       | 1289       | 1265       | 1229       |  |
|                                            |                    | RPM            | 610                                            | 688        | 754        | 800        | 873        | 940        | 992        | 1026       | 1080       | 1130       | 1160       | 1186       | 1213       | 1254       | 1292       |  |
|                                            |                    | Watts          | 215                                            | 266        | 314        | 350        | 409        | 466        | 515        | 550        | 599        | 653        | 683        | 710        | 742        | 791        | 835        |  |
|                                            | OPTIONAL           | CFM            | 1579                                           | 1599       | 1626       | 1642       | 1647       | 1642       | 1651       | 1648       | 1644       | 1633       | 1616       | 1570       | 1523       | 1499       | 1397       |  |
|                                            |                    | RPM            | 676                                            | 734        | 793        | 850        | 903        | 952        | 1004       | 1054       | 1095       | 1139       | 1186       | 1225       | 1265       | 1297       | 1321       |  |
|                                            |                    | Watts          | 302                                            | 349        | 404        | 454        | 508        | 560        | 614        | 670        | 717        | 772        | 836        | 885        | 942        | 988        | 989        |  |
| 2nd Stage Cooling                          | FACTORY<br>SETTING | CFM            | 1758                                           | 1784       | 1796       | 1801       | 1820       | 1825       | 1834       | 1826       | 1832       | 1830       | 1814       | 1817       | 1795       | 1682       | 1561       |  |
|                                            |                    | RPM            | 722                                            | 782        | 836        | 874        | 932        | 971        | 1022       | 1065       | 1114       | 1150       | 1189       | 1231       | 1273       | 1319       | 1348       |  |
|                                            |                    | Watts          | 392                                            | 451        | 508        | 547        | 615        | 664        | 728        | 786        | 854        | 908        | 968        | 1036       | 1106       | 1147       | 1127       |  |
|                                            | OPTIONAL           | CFM            | 2075                                           | 2087       | 2088       | 2085       | 2090       | 2101       | 2114       | 2106       | 2105       | 2101       | 2034       | 2001       | 1943       | 1855       | 1628       |  |
|                                            |                    | RPM            | 798                                            | 843        | 897        | 936        | 981        | 1018       | 1057       | 1096       | 1136       | 1170       | 1203       | 1241       | 1272       | 1309       | 1349       |  |
|                                            |                    | Watts          | 590                                            | 646        | 714        | 769        | 835        | 890        | 953        | 1014       | 1082       | 1137       | 1167       | 1193       | 1220       | 1241       | 1186       |  |
|                                            | OPTIONAL           | CFM            | 2222                                           | 2220       | 2239       | 2244       | 2261       | 2236       | 2216       | 2180       | 2146       | 2110       | 2051       | 2010       | 1958       | 1863       | 1636       |  |
|                                            |                    | RPM            | 841                                            | 883        | 933        | 971        | 1008       | 1046       | 1075       | 1106       | 1141       | 1173       | 1207       | 1238       | 1273       | 1312       | 1351       |  |
|                                            |                    | Watts          | 717                                            | 777        | 856        | 921        | 984        | 1037       | 1054       | 1083       | 1115       | 1143       | 1176       | 1201       | 1233       | 1250       | 1195       |  |

[ ] Designates Metric Conversions





Air

Airflow Performance  
RLPN/RLQN Series

## AIRFLOW PERFORMANCE— 4 TON [14.07 kW] 3 PHASE BELT DRIVE

| Air Flow<br>CFM [L/s] | Capacity 4 Ton [14.07 kW] |     | Voltage 208/230/460/575, 3-Phase |     | External Static Pressure—Inches of Water [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] |      | 0.9 [.22] |      | 1.0 [.25] |      | 1.1 [.27] |      | 1.2 [.30] |      | 1.3 [.32] |      | 1.4 [.35] |      |
|                       | RPM                       | W   | RPM                              | W   | RPM                                            | W   | RPM       | W   | RPM       | W   | RPM       | W   | RPM       | W   | RPM       | W    | RPM       | W    | RPM       | W    | RPM       | W    | RPM       | W    | RPM       | W    | RPM       | W    |
| 1200 [566]            | —                         | —   | —                                | —   | —                                              | —   | 817       | 425 | 879       | 440 | 940       | 456 | 999       | 475 | 1057      | 496  | 1113      | 519  | 1168      | 545  | 1221      | 572  | 1272      | 602  | 1322      | 634  | 1371      | 669  |
| 1300 [614]            | —                         | —   | —                                | —   | —                                              | —   | 838       | 437 | 899       | 457 | 958       | 479 | 1015      | 503 | 1071      | 529  | 1126      | 558  | 1178      | 589  | 1230      | 622  | 1279      | 657  | 1327      | 695  | 1374      | 734  |
| 1400 [661]            | —                         | —   | —                                | —   | —                                              | —   | 861       | 418 | 919       | 482 | 976       | 510 | 1032      | 539 | 1086      | 571  | 1138      | 605  | 1189      | 641  | 1239      | 680  | 1286      | 720  | 1333      | 763  | 1377      | 808  |
| 1500 [708]            | —                         | —   | —                                | —   | —                                              | —   | 883       | 486 | 940       | 517 | 995       | 549 | 1048      | 584 | 1101      | 622  | 1151      | 661  | 1200      | 703  | 1248      | 746  | 1294      | 792  | 1338      | 841  | 1382      | 890  |
| 1600 [755]            | —                         | —   | 798                              | 449 | 849                                            | 490 | 905       | 523 | 960       | 559 | 1013      | 598 | 1065      | 638 | 1115      | 681  | 1164      | 725  | 1211      | 772  | 1257      | 821  | 1301      | 873  | 1343      | 926  | 1385      | 979  |
| 1700 [802]            | —                         | —   | 817                              | 493 | 873                                            | 530 | 928       | 569 | 981       | 611 | 1032      | 654 | 1082      | 700 | 1130      | 748  | 1177      | 798  | 1222      | 851  | 1266      | 905  | 1308      | 962  | 1349      | 1021 | 1390      | 1080 |
| 1800 [850]            | 791                       | 490 | 844                              | 537 | 898                                            | 579 | 950       | 624 | 1002      | 670 | 1051      | 719 | 1099      | 771 | 1146      | 824  | 1190      | 880  | 1234      | 937  | 1276      | 997  | 1316      | 1059 | 1355      | 1124 | 1394      | 1189 |
| 1900 [897]            | 816                       | 543 | 870                              | 589 | 923                                            | 637 | 973       | 687 | 1023      | 739 | 1070      | 793 | 1116      | 850 | 1161      | 908  | 1204      | 969  | 1245      | 1033 | 1285      | 1098 | 1324      | 1166 | 1361      | 1235 | 1398      | 1304 |
| 2000 [944]            | 845                       | 599 | 897                              | 650 | 947                                            | 703 | 996       | 758 | 1044      | 816 | 1089      | 875 | 1134      | 937 | 1176      | 1002 | 1217      | 1068 | 1257      | 1137 | 1295      | 1207 | 1332      | 1280 | 1367      | 1355 | —         | —    |

NOTE: L-Drive left of bold line, M-Drive right of bold line.

| Drive Package  | L                          |     |     |     |     |     |      |      |      |      |      |      | M                          |  |  |  |  |  |  |  |  |  |  |  | N Drive (Field Supplied)   |
|----------------|----------------------------|-----|-----|-----|-----|-----|------|------|------|------|------|------|----------------------------|--|--|--|--|--|--|--|--|--|--|--|----------------------------|
| Motor H.P. [W] | 1/2 [373]                  |     |     |     |     |     |      |      |      |      |      |      | 3/4 [559]                  |  |  |  |  |  |  |  |  |  |  |  | 3/4 [559]                  |
| Blower Sheave  | 6.9" Pitch Diameter        |     |     |     |     |     |      |      |      |      |      |      | 6.4" Pitch Diameter        |  |  |  |  |  |  |  |  |  |  |  | 6.4" Pitch Diameter        |
| Motor Sheave   | 2.8" - 3.8" Pitch Diameter |     |     |     |     |     |      |      |      |      |      |      | 3.4" - 4.4" Pitch Diameter |  |  |  |  |  |  |  |  |  |  |  | 4.0" - 5.0" Pitch Diameter |
| Turns Open     | 0                          | 1   | 2   | 3   | 4   | 5   | 6    | 1    | 2    | 3    | 4    | 5    |                            |  |  |  |  |  |  |  |  |  |  |  |                            |
| RPM            | 1029                       | 984 | 950 | 915 | 855 | 816 | 1281 | 1207 | 1174 | 1141 | 1111 | 1071 |                            |  |  |  |  |  |  |  |  |  |  |  |                            |

## COMPONENT AIR RESISTANCE

| CFM [L/s]                        | Standard Indoor Airflow—CFM [L/s] |               |               |               |               |               |  |  | Resistance—Inches Water [kPa] |  |  |  |  |  |  |  |
|----------------------------------|-----------------------------------|---------------|---------------|---------------|---------------|---------------|--|--|-------------------------------|--|--|--|--|--|--|--|
|                                  | 1000<br>[472]                     | 1200<br>[566] | 1400<br>[661] | 1600<br>[755] | 1800<br>[850] | 2000<br>[944] |  |  |                               |  |  |  |  |  |  |  |
|                                  |                                   |               |               |               |               |               |  |  |                               |  |  |  |  |  |  |  |
| Wet Coil                         | 0.035                             | 0.040         | 0.060         | 0.070         | 0.085         | 0.100         |  |  |                               |  |  |  |  |  |  |  |
| Downflow                         | 0.055                             | 0.060         | 0.066         | 0.072         | 0.080         | 0.086         |  |  |                               |  |  |  |  |  |  |  |
| R.S.I. Economizer<br>R.A. Damper | 0.05                              | 0.06          | 0.07          | 0.08          | 0.09          | 0.10          |  |  |                               |  |  |  |  |  |  |  |

## NOTES:

1. Performance shown with dry coil & standard 2" [50.8 mm] filters.
2. Standard CFM @ .075 lbs./cu. ft.
3. Motor efficiency = 80%
4. BHP =  $\frac{\text{Watts} \times \text{Motor Eff.}}{746}$
5. Add component resistance to duct static to determine E.S.P. as shown on charts.

[ ] Designates Metric Conversions



AIRFLOW PERFORMANCE — 5 TON [10.55 kW] 3 PHASE BELT DRIVE

| Air Flow<br>CFM [L/s] |            |            | Capacity 5 Ton [17.6 kW] 14 SEER Voltage 208/230/460/575, 3-Phase |            |            |            |            |            |            |            |            |            |            |            |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|-----------------------|------------|------------|-------------------------------------------------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
|                       |            |            | External Static Pressure—Inches of Water [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] | 0.9 [ .22] | 1.0 [ .25] | 1.1 [ .27] | 1.2 [ .30] | 1.3 [ .32] | 1.4 [ .35] | 1.5 [ .37] |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| RPM                   | W          | RPM        | W                                                                 | RPM        | W          | RPM        | W          | RPM        | W          | RPM        | W          | RPM        | W          | RPM        | W    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1400 [661]            | —          | —          | —                                                                 | —          | —          | —          | —          | —          | —          | —          | —          | —          | —          | —          | —    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1500 [708]            | —          | —          | —                                                                 | —          | —          | —          | —          | —          | —          | —          | —          | —          | —          | —          | —    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1600 [755]            | —          | —          | —                                                                 | —          | —          | —          | —          | —          | —          | —          | —          | —          | —          | —          | —    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1700 [802]            | —          | —          | —                                                                 | —          | —          | —          | —          | —          | —          | —          | —          | —          | —          | —          | —    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1800 [850]            | —          | —          | —                                                                 | —          | —          | —          | —          | —          | —          | —          | —          | —          | —          | —          | —    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1900 [897]            | 716        | 491        | 776                                                               | 560        | 823        | 600        | 869        | 645        | 915        | 695        | 959        | 751        | 1003       | 812        | 1045 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2000 [944]            | 745        | 562        | 797                                                               | 615        | 843        | 658        | 889        | 707        | 933        | 762        | 976        | 821        | 1018       | 887        | 1059 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2100 [991]            | 773        | 637        | 819                                                               | 679        | 884        | 726        | 908        | 779        | 951        | 837        | 993        | 901        | 1034       | 970        | 1074 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2200 [1038]           | 797        | 706        | 842                                                               | 751        | 886        | 803        | 929        | 860        | 971        | 922        | 1011       | 990        | 1051       | 1063       | 1090 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2300 [1085]           | 822        | 783        | 865                                                               | 833        | 908        | 888        | 950        | 949        | 990        | 1015       | 1030       | 1087       | 1069       | 1164       | 1106 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2400 [1133]           | 847        | 870        | 889                                                               | 924        | 931        | 983        | 971        | 1048       | 1011       | 1118       | 1049       | 1194       | 1087       | 1275       | 1123 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2500 [1179]           | 873        | 966        | 914                                                               | 1023       | 954        | 1087       | 994        | 1155       | 1032       | 1229       | 1069       | 1309       | 1106       | 1394       | 1141 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

NOTE: L-Drive left of bold line, M-Drive right of bold line.

| Drive Package  | L                          |     |     |     | M                          |     |      |      | N Drive (Field Supplied)   |      |      |      |
|----------------|----------------------------|-----|-----|-----|----------------------------|-----|------|------|----------------------------|------|------|------|
| Motor H.P. [W] | 3/4 [559]                  |     |     |     | 1 [746]                    |     |      |      | 1 [746]                    |      |      |      |
| Blower Sheave  | 6.9" Pitch Diameter        |     |     |     | 6.9" Pitch Diameter        |     |      |      | 6.4" Pitch Diameter        |      |      |      |
| Motor Sheave   | 2.8" - 3.8" Pitch Diameter |     |     |     | 4.0" - 5.0" Pitch Diameter |     |      |      | 4.0" - 5.0" Pitch Diameter |      |      |      |
| Turns Open     | 0                          | 1   | 2   | 3   | 4                          | 5   | 0    | 1    | 2                          | 3    | 4    | 5    |
| RPM            | 967                        | 936 | 900 | 855 | 816                        | 769 | 1248 | 1203 | 1163                       | 1123 | 1078 | 1042 |

COMPONENT AIR RESISTANCE

| CFM [L/s]                        | Standard Indoor Airflow—CFM [L/s] |               |               |                |                |                |
|----------------------------------|-----------------------------------|---------------|---------------|----------------|----------------|----------------|
|                                  | 1600<br>[755]                     | 1800<br>[850] | 2000<br>[944] | 2200<br>[1038] | 2400<br>[1133] | 2600<br>[1227] |
|                                  | Resistance—Inches Water [kPa]     |               |               |                |                |                |
| Wet Coil                         | 0.070                             | 0.085         | 0.100         | 0.110          | 0.120          | 0.125          |
| Downflow                         | 0.072                             | 0.080         | 0.086         | 0.093          | 0.100          | 0.107          |
| R.S.I. Economizer<br>R.A. Damper | 0.08                              | 0.09          | 0.10          | 0.11           | 0.12           | 0.13           |

NOTES:

1. Performance shown with dry coil & standard 2" [50.8 mm] filters.
2. Standard CFM @ .075 lbs./cu. ft.
3. Motor efficiency = 80%
4. BHP =  $\frac{\text{Watts} \times \text{Motor Eff.}}{746}$
5. Add component resistance to duct static to determine E.S.P. as shown on charts.

[ ] Designates Metric Conversions



Air

Airflow Performance  
RLPN Series



INTEGRATED AIR & WATER



## ELECTRICAL DATA – RLPN SERIES

|                  |                                            | A036CK  | A036CL    | A036CM    | A036DK  | A036DL  | A036DM  | A036JK    | A036YL  | A036YM  |
|------------------|--------------------------------------------|---------|-----------|-----------|---------|---------|---------|-----------|---------|---------|
| Unit Information | Unit Operating Voltage Range               | 187-253 | 187-253   | 187-253   | 414-506 | 414-506 | 414-506 | 187-253   | 517-633 | 517-633 |
|                  | Volts                                      | 208/230 | 208/230   | 208/230   | 460     | 460     | 460     | 208/230   | 575     | 575     |
|                  | Minimum Circuit Ampacity                   | 17/17   | 16/16     | 16/16     | 11      | 10      | 10      | 24/24     | 7       | 7       |
|                  | Minimum Overcurrent Protection Device Size | 20/20   | 20/20     | 20/20     | 15      | 15      | 15      | 30/30     | 15      | 15      |
|                  | Maximum Overcurrent Protection Device Size | 25/25   | 20/20     | 20/20     | 15      | 15      | 15      | 35/35     | 15      | 15      |
| Compressor Motor | No.                                        | 1       | 1         | 1         | 1       | 1       | 1       | 1         | 1       | 1       |
|                  | Volts                                      | 208/230 | 208/230   | 208/230   | 460     | 460     | 460     | 208/230   | 575     | 575     |
|                  | Phase                                      | 3       | 3         | 3         | 3       | 3       | 3       | 1         | 3       | 3       |
|                  | RPM                                        | 3450    | 3450      | 3450      | 3450    | 3450    | 3450    | 3450      | 3450    | 3450    |
|                  | HP, Compressor 1                           | 3       | 3         | 3         | 3       | 3       | 3       | 3         | 3       | 3       |
|                  | Amps (RLA), Comp. 1                        | 9/9     | 9/9       | 9/9       | 5.6     | 5.6     | 5.6     | 14.1/14.1 | 3.8     | 3.8     |
|                  | Amps (LRA), Comp. 1                        | 71/71   | 71/71     | 71/71     | 38      | 38      | 38      | 77/77     | 36.5    | 36.5    |
| Condenser Motor  | No.                                        | 1       | 1         | 1         | 1       | 1       | 1       | 1         | 1       | 1       |
|                  | Volts                                      | 208/230 | 208/230   | 208/230   | 460     | 460     | 460     | 208/230   | 575     | 575     |
|                  | Phase                                      | 1       | 1         | 1         | 1       | 1       | 1       | 1         | 1       | 1       |
|                  | HP                                         | 1/3     | 1/3       | 1/3       | 1/3     | 1/3     | 1/3     | 1/3       | 1/3     | 1/3     |
|                  | Amps (FLA, each)                           | 1.5/1.5 | 1.5/1.5   | 1.5/1.5   | 1       | 1       | 1       | 1.5/1.5   | 0.8     | 0.8     |
|                  | Amps (LRA, each)                           | 3/3     | 3/3       | 3/3       | 1.9     | 1.9     | 1.9     | 3/3       | 1.9     | 1.9     |
| Evaporator Fan   | No.                                        | 1       | 1         | 1         | 1       | 1       | 1       | 1         | 1       | 1       |
|                  | Volts                                      | 208/230 | 208/230   | 208/230   | 460     | 460     | 460     | 208/230   | 575     | 575     |
|                  | Phase                                      | 1       | 3         | 3         | 1       | 3       | 3       | 1         | 3       | 3       |
|                  | HP                                         | 1/2     | 1/2       | 1/2       | 1/2     | 1/2     | 1/2     | 1/2       | 3/4     | 3/4     |
|                  | Amps (FLA, each)                           | 4/4     | 2.8/2.8   | 2.8/2.8   | 2       | 1.4     | 1.6     | 4/4       | 1.3     | 1.3     |
|                  | Amps (LRA, each)                           | 6.7/6.7 | 11.3/11.3 | 16.8/16.8 | 3.6     | 6.2     | 8.4     | 6.7/6.7   | 6       | 6       |

1. Horsepower Per Compressor.

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

| ELECTRICAL DATA – RLPN SERIES |                                            |           |           |           |         |         |         |           |         |         |
|-------------------------------|--------------------------------------------|-----------|-----------|-----------|---------|---------|---------|-----------|---------|---------|
|                               |                                            | A048CK    | A048CL    | A048CM    | A048DK  | A048DL  | A048DM  | A048JK    | A048YL  | A048YM  |
| Unit Information              | Unit Operating Voltage Range               | 187-253   | 187-253   | 187-253   | 414-506 | 414-506 | 414-506 | 187-253   | 517-633 | 517-633 |
|                               | Volts                                      | 208/230   | 208/230   | 208/230   | 460     | 460     | 460     | 208/230   | 575     | 575     |
|                               | Minimum Circuit Ampacity                   | 22/22     | 21/21     | 22/22     | 11      | 11      | 11      | 31/31     | 8       | 8       |
|                               | Minimum Overcurrent Protection Device Size | 30/30     | 25/25     | 25/25     | 15      | 15      | 15      | 40/40     | 15      | 15      |
|                               | Maximum Overcurrent Protection Device Size | 35/35     | 30/30     | 30/30     | 15      | 15      | 15      | 50/50     | 15      | 15      |
| Compressor Motor              | No.                                        | 1         | 1         | 1         | 1       | 1       | 1       | 1         | 1       | 1       |
|                               | Volts                                      | 208/230   | 208/230   | 208/230   | 460     | 460     | 460     | 208/230   | 575     | 575     |
|                               | Phase                                      | 3         | 3         | 3         | 3       | 3       | 3       | 1         | 3       | 3       |
|                               | RPM                                        | 3450      | 3450      | 3450      | 3450    | 3450    | 3450    | 3450      | 3450    | 3450    |
|                               | HP, Compressor 1                           | 4         | 4         | 4         | 4       | 4       | 4       | 4         | 4       | 4       |
|                               | Amps (RLA), Comp. 1                        | 13.1/13.1 | 13.1/13.1 | 13.1/13.1 | 6.1     | 6.1     | 6.1     | 19.9/19.9 | 4.4     | 4.4     |
|                               | Amps (LRA), Comp. 1                        | 83.1/83.1 | 83.1/83.1 | 83.1/83.1 | 41      | 41      | 41      | 109/109   | 33      | 33      |
| Condenser Motor               | No.                                        | 1         | 1         | 1         | 1       | 1       | 1       | 1         | 1       | 1       |
|                               | Volts                                      | 208/230   | 208/230   | 208/230   | 460     | 460     | 460     | 208/230   | 575     | 575     |
|                               | Phase                                      | 1         | 1         | 1         | 1       | 1       | 1       | 1         | 1       | 1       |
|                               | HP                                         | 1/3       | 1/3       | 1/3       | 1/3     | 1/3     | 1/3     | 1/3       | 1/3     | 1/3     |
|                               | Amps (FLA, each)                           | 1.5/1.5   | 1.5/1.5   | 1.5/1.5   | 1       | 1       | 1       | 1.5/1.5   | 0.8     | 0.8     |
|                               | Amps (LRA, each)                           | 3/3       | 3/3       | 3/3       | 1.9     | 1.9     | 1.9     | 3/3       | 1.9     | 1.9     |
| Evaporator Fan                | No.                                        | 1         | 1         | 1         | 1       | 1       | 1       | 1         | 1       | 1       |
|                               | Volts                                      | 208/230   | 208/230   | 208/230   | 460     | 460     | 460     | 208/230   | 575     | 575     |
|                               | Phase                                      | 1         | 3         | 3         | 1       | 3       | 3       | 1         | 3       | 3       |
|                               | HP                                         | 1/2       | 1/2       | 3/4       | 1/2     | 1/2     | 3/4     | 1/2       | 3/4     | 3/4     |
|                               | Amps (FLA, each)                           | 4/4       | 2.8/2.8   | 3.4/3.4   | 2       | 1.4     | 1.6     | 4/4       | 1.3     | 1.3     |
|                               | Amps (LRA, each)                           | 6.5/6.5   | 11.3/11.3 | 14.6/14.6 | 3.6     | 6.2     | 8.4     | 6.7/6.7   | 6       | 6       |

1. Horsepower Per Compressor.

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

## ELECTRICAL DATA – RLPN SERIES

|                  |                                            | A060CK  | A060CL    | A060CM  | A060DK  | A060DL  | A060DM  | A060JK    | A060YL  | A060YM  |
|------------------|--------------------------------------------|---------|-----------|---------|---------|---------|---------|-----------|---------|---------|
| Unit Information | Unit Operating Voltage Range               | 187-253 | 187-253   | 187-253 | 414-506 | 414-506 | 414-506 | 187-253   | 517-633 | 517-633 |
|                  | Volts                                      | 208/230 | 208/230   | 208/230 | 460     | 460     | 460     | 208/230   | 575     | 575     |
|                  | Minimum Circuit Ampacity                   | 30/30   | 26/26     | 27/27   | 15      | 13      | 13      | 43/43     | 10      | 10      |
|                  | Minimum Overcurrent Protection Device Size | 35/35   | 30/30     | 35/35   | 20      | 15      | 15      | 50/50     | 15      | 15      |
|                  | Maximum Overcurrent Protection Device Size | 45/45   | 40/40     | 40/40   | 20      | 20      | 20      | 60/60     | 15      | 15      |
| Compressor Motor | No.                                        | 1       | 1         | 1       | 1       | 1       | 1       | 1         | 1       | 1       |
|                  | Volts                                      | 208/230 | 208/230   | 208/230 | 460     | 460     | 460     | 208/230   | 575     | 575     |
|                  | Phase                                      | 3       | 3         | 3       | 3       | 3       | 3       | 1         | 3       | 3       |
|                  | RPM                                        | 3450    | 3450      | 3450    | 3450    | 3450    | 3450    | 3450      | 3450    | 3450    |
|                  | HP, Compressor 1                           | 5       | 5         | 5       | 5       | 5       | 5       | 5         | 5       | 5       |
|                  | Amps (RLA), Comp. 1                        | 16/16   | 16/16     | 16/16   | 7.8     | 7.8     | 7.8     | 26.4/26.4 | 5.7     | 5.7     |
|                  | Amps (LRA), Comp. 1                        | 110/110 | 110/110   | 110/110 | 52      | 52      | 52      | 134/134   | 39.9    | 39.9    |
| Condenser Motor  | No.                                        | 1       | 1         | 1       | 1       | 1       | 1       | 1         | 1       | 1       |
|                  | Volts                                      | 208/230 | 208/230   | 208/230 | 460     | 460     | 460     | 208/230   | 575     | 575     |
|                  | Phase                                      | 1       | 1         | 1       | 1       | 1       | 1       | 1         | 1       | 1       |
|                  | HP                                         | 1/3     | 1/3       | 1/3     | 1/3     | 1/3     | 1/3     | 1/3       | 1/3     | 1/3     |
|                  | Amps (FLA, each)                           | 2.2/2.2 | 2.2/2.2   | 2.2/2.2 | 1       | 1       | 1       | 2.2/2.2   | 0.8     | 0.8     |
|                  | Amps (LRA, each)                           | 4.9/4.9 | 4.9/4.9   | 4.9/4.9 | 1.9     | 1.9     | 1.9     | 4.9/4.9   | 1.9     | 1.9     |
| Evaporator Fan   | No.                                        | 1       | 1         | 1       | 1       | 1       | 1       | 1         | 1       | 1       |
|                  | Volts                                      | 208/230 | 208/230   | 208/230 | 460     | 460     | 460     | 208/230   | 575     | 575     |
|                  | Phase                                      | 1       | 3         | 3       | 1       | 3       | 3       | 1         | 3       | 3       |
|                  | HP                                         | 1       | 3/4       | 1       | 1       | 3/4     | 1       | 1         | 3/4     | 1       |
|                  | Amps (FLA, each)                           | 7.6/7.6 | 3.4/3.4   | 4.1/4.1 | 4       | 1.6     | 2       | 7.6/7.6   | 1.3     | 1.4     |
|                  | Amps (LRA, each)                           | 0/0     | 16.8/16.8 | 24/24   | 0       | 7.3     | 12      | 0/0       | 6       | 7.2     |

1. Horsepower Per Compressor.

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

| ELECTRICAL DATA – RLQN SERIES |                                            |         |           |         |         |         |         |           |           |           |
|-------------------------------|--------------------------------------------|---------|-----------|---------|---------|---------|---------|-----------|-----------|-----------|
|                               |                                            | A036CK  | A036CL    | A036CM  | A036DK  | A036DL  | A036DM  | A036JK    | A048CK    | A048CL    |
| Unit Information              | Unit Operating Voltage Range               | 187-253 | 187-253   | 187-253 | 414-506 | 414-506 | 414-506 | 187-253   | 187-253   | 187-253   |
|                               | Volts                                      | 208/230 | 208/230   | 208/230 | 460     | 460     | 460     | 208/230   | 208/230   | 208/230   |
|                               | Minimum Circuit Ampacity                   | 17/17   | 16/16     | 16/16   | 11      | 10      | 10      | 24/24     | 24/24     | 21/21     |
|                               | Minimum Overcurrent Protection Device Size | 20/20   | 20/20     | 20/20   | 15      | 15      | 15      | 30/30     | 30/30     | 25/25     |
|                               | Maximum Overcurrent Protection Device Size | 25/25   | 20/20     | 20/20   | 15      | 15      | 15      | 35/35     | 35/35     | 30/30     |
| Compressor Motor              | No.                                        | 1       | 1         | 1       | 1       | 1       | 1       | 1         | 1         | 1         |
|                               | Volts                                      | 208/230 | 208/230   | 208/230 | 460     | 460     | 460     | 208/230   | 208/230   | 208/230   |
|                               | Phase                                      | 3       | 3         | 3       | 3       | 3       | 3       | 1         | 3         | 3         |
|                               | RPM                                        | 3450    | 3450      | 3450    | 3450    | 3450    | 3450    | 3450      | 3450      | 3450      |
|                               | HP, Compressor 1                           | 3       | 3         | 3       | 3       | 3       | 3       | 3         | 4         | 4         |
|                               | Amps (RLA), Comp. 1                        | 9/9     | 9/9       | 9/9     | 5.6     | 5.6     | 5.6     | 14.1/14.1 | 13.1/13.1 | 13.1/13.1 |
|                               | Amps (LRA), Comp. 1                        | 71/71   | 71/71     | 71/71   | 38      | 38      | 38      | 77/77     | 83.1/83.1 | 83.1/83.1 |
| Condenser Motor               | No.                                        | 1       | 1         | 1       | 1       | 1       | 1       | 1         | 1         | 1         |
|                               | Volts                                      | 208/230 | 208/230   | 208/230 | 460     | 460     | 460     | 208/230   | 208/230   | 208/230   |
|                               | Phase                                      | 1       | 1         | 1       | 1       | 1       | 1       | 1         | 1         | 1         |
|                               | HP                                         | 1/3     | 1/3       | 1/3     | 1/3     | 1/3     | 1/3     | 1/3       | 1/3       | 1/3       |
|                               | Amps (FLA, each)                           | 1.5/1.5 | 1.5/1.5   | 1.5/1.5 | 1       | 1       | 1       | 1.5/1.5   | 1.5/1.5   | 1.5/1.5   |
|                               | Amps (LRA, each)                           | 3/3     | 3/3       | 3/3     | 1.9     | 1.9     | 1.9     | 3/3       | 3/3       | 3/3       |
| Evaporator Fan                | No.                                        | 1       | 1         | 1       | 1       | 1       | 1       | 1         | 1         | 1         |
|                               | Volts                                      | 208/230 | 208/230   | 208/230 | 460     | 460     | 460     | 208/230   | 208/230   | 208/230   |
|                               | Phase                                      | 1       | 3         | 3       | 1       | 3       | 3       | 1         | 1         | 3         |
|                               | HP                                         | 1/2     | 1/2       | 3/4     | 1/2     | 1/2     | 3/4     | 1/2       | 3/4       | 1/2       |
|                               | Amps (FLA, each)                           | 4.1/4.1 | 2.8/2.8   | 2.8/2.8 | 2.1     | 1.4     | 1.4     | 4.1/4.1   | 6/6       | 2.8/2.8   |
|                               | Amps (LRA, each)                           | 0/0     | 11.3/11.3 | 15/15   | 0       | 6.2     | 8.4     | 0/0       | 0/0       | 11.3/11.3 |

1. Horsepower Per Compressor.

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

## ELECTRICAL DATA – RLQN SERIES

|                         |                                            | <b>A048CM</b> | <b>A048DK</b> | <b>A048DL</b> | <b>A048DM</b> | <b>A048JK</b> | <b>A060CK</b> | <b>A060CV</b> | <b>A060DK</b> | <b>A060DV</b> | <b>A060JK</b> |
|-------------------------|--------------------------------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| <b>Unit Information</b> | Unit Operating Voltage Range               | 187-253       | 414-506       | 414-506       | 414-506       | 187-253       | 187-253       | 187-253       | 414-506       | 414-506       | 187-253       |
|                         | Volts                                      | 208/230       | 460           | 460           | 460           | 208/230       | 208/230       | 208/230       | 460           | 460           | 208/230       |
|                         | Minimum Circuit Ampacity                   | 22/22         | 12            | 11            | 11            | 33/33         | 31/31         | 32/32         | 15            | 16            | 46/46         |
|                         | Minimum Overcurrent Protection Device Size | 25/25         | 15            | 15            | 15            | 40/40         | 35/35         | 40/40         | 20            | 20            | 60/60         |
|                         | Maximum Overcurrent Protection Device Size | 30/30         | 15            | 15            | 15            | 50/50         | 45/45         | 45/45         | 20            | 20            | 60/60         |
| <b>Compressor Motor</b> | No.                                        | 1             | 1             | 1             | 1             | 1             | 1             | 1             | 1             | 1             | 1             |
|                         | Volts                                      | 208/230       | 460           | 460           | 460           | 208/230       | 208/230       | 208/230       | 460           | 460           | 208/230       |
|                         | Phase                                      | 3             | 3             | 3             | 3             | 1             | 3             | 3             | 3             | 3             | 1             |
|                         | RPM                                        | 3450          | 3450          | 3450          | 3450          | 3450          | 3450          | 3450          | 3450          | 3450          | 3450          |
|                         | HP, Compressor 1                           | 4             | 4             | 4             | 4             | 4             | 5             | 5             | 5             | 5             | 5             |
|                         | Amps (RLA), Comp. 1                        | 13.1/13.1     | 6.1           | 6.1           | 6.1           | 19.9/19.9     | 16.2/16.2     | 16.2/16.2     | 7.6           | 7.6           | 28.8/28.8     |
|                         | Amps (LRA), Comp. 1                        | 83.1/83.1     | 41            | 41            | 41            | 109/109       | 110/110       | 110/110       | 52            | 52            | 152.9/152.9   |
| <b>Condenser Motor</b>  | No.                                        | 1             | 1             | 1             | 1             | 1             | 1             | 1             | 1             | 1             | 1             |
|                         | Volts                                      | 208/230       | 460           | 460           | 460           | 208/230       | 208/230       | 208/230       | 460           | 460           | 208/230       |
|                         | Phase                                      | 1             | 1             | 1             | 1             | 1             | 1             | 1             | 1             | 1             | 1             |
|                         | HP                                         | 1/3           | 1/3           | 1/3           | 1/3           | 1/3           | 1/3           | 1/3           | 1/3           | 1/3           | 1/3           |
|                         | Amps (FLA, each)                           | 1.5/1.5       | 1             | 1             | 1             | 1.5/1.5       | 2.2/2.2       | 2.2/2.2       | 1             | 1             | 2.2/2.2       |
|                         | Amps (LRA, each)                           | 3/3           | 1.9           | 1.9           | 1.9           | 3/3           | 4.9/4.9       | 4.9/4.9       | 1.9           | 1.9           | 4.9/4.9       |
| <b>Evaporator Fan</b>   | No.                                        | 1             | 1             | 1             | 1             | 1             | 1             | 1             | 1             | 1             | 1             |
|                         | Volts                                      | 208/230       | 460           | 460           | 460           | 208/230       | 208/230       | 208/230       | 460           | 460           | 208/230       |
|                         | Phase                                      | 3             | 1             | 3             | 3             | 1             | 1             | 3             | 1             | 3             | 1             |
|                         | HP                                         | 3/4           | 3/4           | 1/2           | 3/4           | 3/4           | 1             | 1             | 1             | 1             | 1             |
|                         | Amps (FLA, each)                           | 3.4/3.4       | 3.2           | 1.4           | 1.6           | 6/6           | 7.6/7.6       | 9.1/9.1       | 4             | 4.6           | 7.6/7.6       |
|                         | Amps (LRA, each)                           | 16.8/16.8     | 0             | 6.2           | 8.4           | 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.



Air

Electric Heater Kits  
RLPN Series

| Unit Model No. RLPN- | Heater Kit Model No. RXJJ- | Heater kW @ 208/240 V | Heater Kit FLA | Unit Min. Ckt. Ampacity | Max. Fuse or Ckt. Bkr. Size (Ckt. Bkr. Must be HACR Type for USA) | Heater Kit Min. Ckt. Ampacity | Heater Kit Max. Fuse or Ckt. Bkr. Size (Ckt. Bkr. Must be HACR Type for USA) | Air Conditioner Min. Ckt. Ampacity | Air Conditioner Max. Fuse or Ckt. Bkr. Size (Ckt. Bkr. Must be HACR Type for USA) |
|----------------------|----------------------------|-----------------------|----------------|-------------------------|-------------------------------------------------------------------|-------------------------------|------------------------------------------------------------------------------|------------------------------------|-----------------------------------------------------------------------------------|
| A036CK               | NONE                       | —                     | —              | 17/17                   | 25/25                                                             | —                             | —                                                                            | 17/17                              | 25/25                                                                             |
|                      | A06C                       | 4.2/5.6               | 11.7/13.5      | 20/22                   | 25/25                                                             | 15/17                         | 15/20                                                                        | 17/17                              | 25/25                                                                             |
|                      | A10C                       | 7.2/9.6               | 20/23.1        | 30/34                   | 30/35                                                             | 25/29                         | 25/30                                                                        | 17/17                              | 25/25                                                                             |
|                      | A12C                       | 8.4/11.2              | 23.4/27        | 35/39                   | 35/40                                                             | 30/34                         | 30/35                                                                        | 17/17                              | 25/25                                                                             |
|                      | A15C                       | 10.8/14.4             | 30.1/34.7      | 43/49                   | 45/50                                                             | 38/44                         | 40/45                                                                        | 17/17                              | 25/25                                                                             |
| A036CL               | A20C                       | 14.4/19.2             | 40/46.3        | 55/63                   | 60/70                                                             | 50/58                         | 50/60                                                                        | 17/17                              | 25/25                                                                             |
|                      | NONE                       | —                     | —              | 16/16                   | 20/20                                                             | —                             | —                                                                            | 16/16                              | 20/20                                                                             |
|                      | A06C                       | 4.2/5.6               | 11.7/13.5      | 19/21                   | 20/25                                                             | 15/17                         | 15/20                                                                        | 16/16                              | 20/20                                                                             |
|                      | A10C                       | 7.2/9.6               | 20/23.1        | 29/33                   | 30/35                                                             | 25/29                         | 25/30                                                                        | 16/16                              | 20/20                                                                             |
|                      | A12C                       | 8.4/11.2              | 23.4/27        | 33/38                   | 35/40                                                             | 30/34                         | 30/35                                                                        | 16/16                              | 20/20                                                                             |
| A036CM               | A15C                       | 10.8/14.4             | 30.1/34.7      | 42/47                   | 45/50                                                             | 38/44                         | 40/45                                                                        | 16/16                              | 20/20                                                                             |
|                      | A20C                       | 14.4/19.2             | 40/46.3        | 54/62                   | 60/70                                                             | 50/58                         | 50/60                                                                        | 16/16                              | 20/20                                                                             |
|                      | NONE                       | —                     | —              | 16/16                   | 20/20                                                             | —                             | —                                                                            | 16/16                              | 20/20                                                                             |
|                      | A06C                       | 4.2/5.6               | 11.7/13.5      | 19/21                   | 20/25                                                             | 15/17                         | 15/20                                                                        | 16/16                              | 20/20                                                                             |
|                      | A10C                       | 7.2/9.6               | 20/23.1        | 29/33                   | 30/35                                                             | 25/29                         | 25/30                                                                        | 16/16                              | 20/20                                                                             |
| A048CK               | A12C                       | 8.4/11.2              | 23.4/27        | 33/38                   | 35/40                                                             | 30/34                         | 30/35                                                                        | 16/16                              | 20/20                                                                             |
|                      | A15C                       | 10.8/14.4             | 30.1/34.7      | 42/47                   | 45/50                                                             | 38/44                         | 40/45                                                                        | 16/16                              | 20/20                                                                             |
|                      | A20C                       | 14.4/19.2             | 40/46.3        | 54/62                   | 60/70                                                             | 50/58                         | 50/60                                                                        | 16/16                              | 20/20                                                                             |
|                      | NONE                       | —                     | —              | 22/22                   | 35/35                                                             | —                             | —                                                                            | 22/22                              | 35/35                                                                             |
|                      | A06C                       | 4.2/5.6               | 11.7/13.5      | 22/22                   | 35/35                                                             | 15/17                         | 15/20                                                                        | 22/22                              | 35/35                                                                             |
| A048CL               | A10C                       | 7.2/9.6               | 20/23.1        | 30/34                   | 35/35                                                             | 25/29                         | 25/30                                                                        | 22/22                              | 35/35                                                                             |
|                      | A12C                       | 8.4/11.2              | 23.4/27        | 35/39                   | 35/40                                                             | 30/34                         | 30/35                                                                        | 22/22                              | 35/35                                                                             |
|                      | A15C                       | 10.8/14.4             | 30.1/34.7      | 43/49                   | 45/50                                                             | 38/44                         | 40/45                                                                        | 22/22                              | 35/35                                                                             |
|                      | A20C                       | 14.4/19.2             | 40/46.3        | 55/63                   | 60/70                                                             | 50/58                         | 50/60                                                                        | 22/22                              | 35/35                                                                             |
|                      | NONE                       | —                     | —              | 21/21                   | 30/30                                                             | —                             | —                                                                            | 21/21                              | 30/30                                                                             |
| A048CL               | A06C                       | 4.2/5.6               | 11.7/13.5      | 21/21                   | 30/30                                                             | 15/17                         | 15/20                                                                        | 21/21                              | 30/30                                                                             |
|                      | A10C                       | 7.2/9.6               | 20/23.1        | 29/33                   | 30/35                                                             | 25/29                         | 25/30                                                                        | 21/21                              | 30/30                                                                             |
|                      | A12C                       | 8.4/11.2              | 23.4/27        | 33/38                   | 35/40                                                             | 30/34                         | 30/35                                                                        | 21/21                              | 30/30                                                                             |
|                      | A15C                       | 10.8/14.4             | 30.1/34.7      | 42/47                   | 45/50                                                             | 38/44                         | 40/45                                                                        | 21/21                              | 30/30                                                                             |
|                      | A20C                       | 14.4/19.2             | 40/46.3        | 54/62                   | 60/70                                                             | 50/58                         | 50/60                                                                        | 21/21                              | 30/30                                                                             |



INTEGRATED AIR &amp; WATER



| Unit Model No. RLPN- | Heater Kit Model No. RXJJ- | Heater kW @ 208/240 V | Heater Kit FLA | Unit Min. Ckt. Ampacity | Max. Fuse or Ckt. Bkr. Size (Ckt. Bkr. Must be HACR Type for USA) | Heater Kit Min. Ckt. Ampacity | Heater Kit Max. Fuse or Ckt. Bkr. Size (Ckt. Bkr. Must be HACR Type for USA) | Air Conditioner Min. Ckt. Ampacity | Air Conditioner Max. Fuse or Ckt. Bkr. Size (Ckt. Bkr. Must be HACR Type for USA) |
|----------------------|----------------------------|-----------------------|----------------|-------------------------|-------------------------------------------------------------------|-------------------------------|------------------------------------------------------------------------------|------------------------------------|-----------------------------------------------------------------------------------|
| A048CM               | NONE                       | —                     | —              | 22/22                   | 30/30                                                             | —                             | —                                                                            | 22/22                              | 30/30                                                                             |
|                      | A06C                       | 4.2/5.6               | 11.7/13.5      | 22/22                   | 30/30                                                             | 15/17                         | 15/20                                                                        | 22/22                              | 30/30                                                                             |
|                      | A10C                       | 7.2/9.6               | 20/23.1        | 30/34                   | 30/35                                                             | 25/29                         | 25/30                                                                        | 22/22                              | 30/30                                                                             |
|                      | A12C                       | 8.4/11.2              | 23.4/27        | 34/39                   | 35/40                                                             | 30/34                         | 30/35                                                                        | 22/22                              | 30/30                                                                             |
|                      | A15C                       | 10.8/14.4             | 30.1/34.7      | 42/48                   | 45/50                                                             | 38/44                         | 40/45                                                                        | 22/22                              | 30/30                                                                             |
|                      | A20C                       | 14.4/19.2             | 40/46.3        | 55/63                   | 60/70                                                             | 50/58                         | 50/60                                                                        | 22/22                              | 30/30                                                                             |
| A060CK               | NONE                       | —                     | —              | 30/30                   | 45/45                                                             | —                             | —                                                                            | 30/30                              | 45/45                                                                             |
|                      | A06C                       | 4.2/5.6               | 11.7/13.5      | 30/30                   | 45/45                                                             | 15/17                         | 15/20                                                                        | 30/30                              | 45/45                                                                             |
|                      | A10C                       | 7.2/9.6               | 20/23.1        | 35/39                   | 45/45                                                             | 25/29                         | 25/30                                                                        | 30/30                              | 45/45                                                                             |
|                      | A12C                       | 8.4/11.2              | 23.4/27        | 39/44                   | 45/45                                                             | 30/34                         | 30/35                                                                        | 30/30                              | 45/45                                                                             |
|                      | A15C                       | 10.8/14.4             | 30.1/34.7      | 48/53                   | 50/60                                                             | 38/44                         | 40/45                                                                        | 30/30                              | 45/45                                                                             |
|                      | A20C                       | 14.4/19.2             | 40/46.3        | 60/68                   | 60/70                                                             | 50/58                         | 50/60                                                                        | 30/30                              | 45/45                                                                             |
| A060CL               | NONE                       | —                     | —              | 26/26                   | 40/40                                                             | —                             | —                                                                            | 26/26                              | 40/40                                                                             |
|                      | A06C                       | 4.2/5.6               | 11.7/13.5      | 26/26                   | 40/40                                                             | 15/17                         | 15/20                                                                        | 26/26                              | 40/40                                                                             |
|                      | A10C                       | 7.2/9.6               | 20/23.1        | 30/34                   | 40/40                                                             | 25/29                         | 25/30                                                                        | 26/26                              | 40/40                                                                             |
|                      | A12C                       | 8.4/11.2              | 23.4/27        | 34/39                   | 40/40                                                             | 30/34                         | 30/35                                                                        | 26/26                              | 40/40                                                                             |
|                      | A15C                       | 10.8/14.4             | 30.1/34.7      | 42/48                   | 45/50                                                             | 38/44                         | 40/45                                                                        | 26/26                              | 40/40                                                                             |
|                      | A20C                       | 14.4/19.2             | 40/46.3        | 55/63                   | 60/70                                                             | 50/58                         | 50/60                                                                        | 26/26                              | 40/40                                                                             |
| A060CM               | NONE                       | —                     | —              | 27/27                   | 40/40                                                             | —                             | —                                                                            | 27/27                              | 40/40                                                                             |
|                      | A06C                       | 4.2/5.6               | 11.7/13.5      | 27/27                   | 40/40                                                             | 15/17                         | 15/20                                                                        | 27/27                              | 40/40                                                                             |
|                      | A10C                       | 7.2/9.6               | 20/23.1        | 31/35                   | 40/40                                                             | 25/29                         | 25/30                                                                        | 27/27                              | 40/40                                                                             |
|                      | A12C                       | 8.4/11.2              | 23.4/27        | 35/39                   | 40/40                                                             | 30/34                         | 30/35                                                                        | 27/27                              | 40/40                                                                             |
|                      | A15C                       | 10.8/14.4             | 30.1/34.7      | 43/49                   | 45/50                                                             | 38/44                         | 40/45                                                                        | 27/27                              | 40/40                                                                             |
|                      | A20C                       | 14.4/19.2             | 40/46.3        | 56/63                   | 60/70                                                             | 50/58                         | 50/60                                                                        | 27/27                              | 40/40                                                                             |
|                      | A24C                       | 18/24                 | 50/57.7        | 68/78                   | 70/80                                                             | 63/73                         | 70/80                                                                        | 27/27                              | 40/40                                                                             |



Air

Electric Heater Kits  
RLPN Series

| Unit Model No. RLPN- | Heater Kit Model No. RXJJ- | Heater kW @ 480 V | Heater Kit FLA | Unit Min. Ckt. Ampacity | Max. Fuse or Ckt. Bkr. Size (Ckt. Bkr. Must be HACR Type for USA) | Heater Kit Min. Ckt. Ampacity | Heater Kit Max. Fuse or Ckt. Bkr. Size (Ckt. Bkr. Must be HACR Type for USA) | Air Conditioner Min. Ckt. Ampacity | Air Conditioner Max. Fuse or Ckt. Bkr. Size (Ckt. Bkr. Must be HACR Type for USA) |
|----------------------|----------------------------|-------------------|----------------|-------------------------|-------------------------------------------------------------------|-------------------------------|------------------------------------------------------------------------------|------------------------------------|-----------------------------------------------------------------------------------|
| A036DK               | NONE                       | —                 | —              | 11                      | 15                                                                | —                             | —                                                                            | 11                                 | 15                                                                                |
|                      | A06D                       | 5.6               | 6.7            | 11                      | 15                                                                | 9                             | 15                                                                           | 11                                 | 15                                                                                |
|                      | A10D                       | 9.6               | 11.6           | 18                      | 20                                                                | 15                            | 15                                                                           | 11                                 | 15                                                                                |
|                      | A12D                       | 11.2              | 13.5           | 20                      | 20                                                                | 17                            | 20                                                                           | 11                                 | 15                                                                                |
|                      | A15D                       | 14.4              | 17.4           | 25                      | 25                                                                | 22                            | 25                                                                           | 11                                 | 15                                                                                |
|                      | A20D                       | 19.2              | 23.3           | 32                      | 35                                                                | 30                            | 30                                                                           | 11                                 | 15                                                                                |
| A036DL               | NONE                       | —                 | —              | 10                      | 15                                                                | —                             | —                                                                            | 10                                 | 15                                                                                |
|                      | A06D                       | 5.6               | 6.7            | 11                      | 15                                                                | 9                             | 15                                                                           | 10                                 | 15                                                                                |
|                      | A10D                       | 9.6               | 11.6           | 17                      | 20                                                                | 15                            | 15                                                                           | 10                                 | 15                                                                                |
|                      | A12D                       | 11.2              | 13.5           | 19                      | 20                                                                | 17                            | 20                                                                           | 10                                 | 15                                                                                |
|                      | A15D                       | 14.4              | 17.4           | 24                      | 25                                                                | 22                            | 25                                                                           | 10                                 | 15                                                                                |
|                      | A20D                       | 19.2              | 23.3           | 31                      | 35                                                                | 30                            | 30                                                                           | 10                                 | 15                                                                                |
| A036DM               | NONE                       | —                 | —              | 10                      | 15                                                                | —                             | —                                                                            | 10                                 | 15                                                                                |
|                      | A06D                       | 5.6               | 6.7            | 11                      | 15                                                                | 9                             | 15                                                                           | 10                                 | 15                                                                                |
|                      | A10D                       | 9.6               | 11.6           | 17                      | 20                                                                | 15                            | 15                                                                           | 10                                 | 15                                                                                |
|                      | A12D                       | 11.2              | 13.5           | 19                      | 20                                                                | 17                            | 20                                                                           | 10                                 | 15                                                                                |
|                      | A15D                       | 14.4              | 17.4           | 24                      | 25                                                                | 22                            | 25                                                                           | 10                                 | 15                                                                                |
|                      | A20D                       | 19.2              | 23.3           | 32                      | 35                                                                | 30                            | 30                                                                           | 10                                 | 15                                                                                |
| A048DK               | NONE                       | —                 | —              | 11                      | 15                                                                | —                             | —                                                                            | 11                                 | 15                                                                                |
|                      | A06D                       | 5.6               | 6.7            | 11                      | 15                                                                | 9                             | 15                                                                           | 11                                 | 15                                                                                |
|                      | A10D                       | 9.6               | 11.6           | 18                      | 20                                                                | 15                            | 15                                                                           | 11                                 | 15                                                                                |
|                      | A12D                       | 11.2              | 13.5           | 20                      | 20                                                                | 17                            | 20                                                                           | 11                                 | 15                                                                                |
|                      | A15D                       | 14.4              | 17.4           | 25                      | 25                                                                | 22                            | 25                                                                           | 11                                 | 15                                                                                |
|                      | A20D                       | 19.2              | 23.3           | 32                      | 35                                                                | 30                            | 30                                                                           | 11                                 | 15                                                                                |
| A048DL               | NONE                       | —                 | —              | 11                      | 15                                                                | —                             | —                                                                            | 11                                 | 15                                                                                |
|                      | A06D                       | 5.6               | 6.7            | 11                      | 15                                                                | 9                             | 15                                                                           | 11                                 | 15                                                                                |
|                      | A10D                       | 9.6               | 11.6           | 17                      | 20                                                                | 15                            | 15                                                                           | 11                                 | 15                                                                                |
|                      | A12D                       | 11.2              | 13.5           | 19                      | 20                                                                | 17                            | 20                                                                           | 11                                 | 15                                                                                |
|                      | A15D                       | 14.4              | 17.4           | 24                      | 25                                                                | 22                            | 25                                                                           | 11                                 | 15                                                                                |
|                      | A20D                       | 19.2              | 23.3           | 31                      | 35                                                                | 30                            | 30                                                                           | 11                                 | 15                                                                                |



INTEGRATED AIR &amp; WATER





| Unit Model No. RLPN- | Heater Kit Model No. RXJ- | Heater kW @ 480 V | Heater Kit FLA | Unit Min. Ckt. Ampacity | Max. Fuse or Ckt. Bkr. Size (Ckt. Bkr. Must be HACR Type for USA) | Heater Kit Min. Ckt. Ampacity | Heater Kit Max. Fuse or Ckt. Bkr. Size (Ckt. Bkr. Must be HACR Type for USA) | Air Conditioner Min. Ckt. Ampacity | Air Conditioner Max. Fuse or Ckt. Bkr. Size (Ckt. Bkr. Must be HACR Type for USA) |
|----------------------|---------------------------|-------------------|----------------|-------------------------|-------------------------------------------------------------------|-------------------------------|------------------------------------------------------------------------------|------------------------------------|-----------------------------------------------------------------------------------|
| A048DM               | NONE                      | —                 | —              | 11                      | 15                                                                | —                             | —                                                                            | 11                                 | 15                                                                                |
|                      | A06D                      | 5.6               | 6.7            | 11                      | 15                                                                | 9                             | 15                                                                           | 11                                 | 15                                                                                |
|                      | A10D                      | 9.6               | 11.6           | 17                      | 20                                                                | 15                            | 15                                                                           | 11                                 | 15                                                                                |
|                      | A12D                      | 11.2              | 13.5           | 19                      | 20                                                                | 17                            | 20                                                                           | 11                                 | 15                                                                                |
|                      | A15D                      | 14.4              | 17.4           | 24                      | 25                                                                | 22                            | 25                                                                           | 11                                 | 15                                                                                |
| A060DK               | A20D                      | 19.2              | 23.3           | 32                      | 35                                                                | 30                            | 30                                                                           | 11                                 | 15                                                                                |
|                      | NONE                      | —                 | —              | 15                      | 20                                                                | —                             | —                                                                            | 15                                 | 20                                                                                |
|                      | A06D                      | 5.6               | 6.7            | 15                      | 20                                                                | 9                             | 15                                                                           | 15                                 | 20                                                                                |
|                      | A10D                      | 9.6               | 11.6           | 20                      | 20                                                                | 15                            | 15                                                                           | 15                                 | 20                                                                                |
|                      | A12D                      | 11.2              | 13.5           | 22                      | 25                                                                | 17                            | 20                                                                           | 15                                 | 20                                                                                |
| A060DL               | A15D                      | 14.4              | 17.4           | 27                      | 30                                                                | 22                            | 25                                                                           | 15                                 | 20                                                                                |
|                      | A20D                      | 19.2              | 23.3           | 35                      | 35                                                                | 30                            | 30                                                                           | 15                                 | 20                                                                                |
|                      | A24D                      | 24                | 28.9           | 39                      | 40                                                                | 37                            | 40                                                                           | 13                                 | 20                                                                                |
|                      | NONE                      | —                 | —              | 13                      | 20                                                                | —                             | —                                                                            | 13                                 | 20                                                                                |
|                      | A06D                      | 5.6               | 6.7            | 13                      | 20                                                                | 9                             | 15                                                                           | 13                                 | 20                                                                                |
| A060DM               | A10D                      | 9.6               | 11.6           | 17                      | 20                                                                | 15                            | 15                                                                           | 13                                 | 20                                                                                |
|                      | A12D                      | 11.2              | 13.5           | 19                      | 20                                                                | 17                            | 20                                                                           | 13                                 | 20                                                                                |
|                      | A15D                      | 14.4              | 17.4           | 24                      | 25                                                                | 22                            | 25                                                                           | 13                                 | 20                                                                                |
|                      | A20D                      | 19.2              | 23.3           | 32                      | 35                                                                | 30                            | 30                                                                           | 13                                 | 20                                                                                |
|                      | A24D                      | 24                | 28.9           | 39                      | 40                                                                | 37                            | 40                                                                           | 13                                 | 20                                                                                |
| A060DM               | NONE                      | —                 | —              | 13                      | 20                                                                | —                             | —                                                                            | 13                                 | 20                                                                                |
|                      | A06D                      | 5.6               | 6.7            | 13                      | 20                                                                | 9                             | 15                                                                           | 13                                 | 20                                                                                |
|                      | A10D                      | 9.6               | 11.6           | 18                      | 20                                                                | 15                            | 15                                                                           | 13                                 | 20                                                                                |
|                      | A12D                      | 11.2              | 13.5           | 20                      | 20                                                                | 17                            | 20                                                                           | 13                                 | 20                                                                                |
|                      | A15D                      | 14.4              | 17.4           | 25                      | 25                                                                | 22                            | 25                                                                           | 13                                 | 20                                                                                |
| A060DM               | A20D                      | 19.2              | 23.3           | 32                      | 35                                                                | 30                            | 30                                                                           | 13                                 | 20                                                                                |
|                      | A24D                      | 24                | 28.9           | 39                      | 40                                                                | 37                            | 40                                                                           | 13                                 | 20                                                                                |



Air

Electric Heater Kits  
RLPN Series

| Unit Model No. RLPN- | Heater Kit Model No. RXJJ- | Heater kW @ 208/240 V | Heater Kit FLA | Unit Min. Ckt. Ampacity | Max. Fuse or Ckt. Bkr. Size (Ckt. Bkr. Must be HACR Type for USA) | Heater Kit Min. Ckt. Ampacity | Heater Kit Max. Fuse or Ckt. Bkr. Size (Ckt. Bkr. Must be HACR Type for USA) | Air Conditioner Min. Ckt. Ampacity | Air Conditioner Max. Fuse or Ckt. Bkr. Size (Ckt. Bkr. Must be HACR Type for USA) |
|----------------------|----------------------------|-----------------------|----------------|-------------------------|-------------------------------------------------------------------|-------------------------------|------------------------------------------------------------------------------|------------------------------------|-----------------------------------------------------------------------------------|
| A036JK               | NONE                       | —                     | —              | 24/24                   | 35/35                                                             | —                             | —                                                                            | 24/24                              | 35/35                                                                             |
|                      | A06J                       | 4.2/5.6               | 20.2/23.3      | 31/35                   | 35/35                                                             | 26/30                         | 30/30                                                                        | 24/24                              | 35/35                                                                             |
|                      | A10J                       | 7.2/9.6               | 34.6/40        | 49/55                   | 50/60                                                             | 44/50                         | 45/50                                                                        | 24/24                              | 35/35                                                                             |
|                      | A12J                       | 8.4/11.2              | 40.4/46.7      | 56/64                   | 60/70                                                             | 51/59                         | 60/60                                                                        | 24/24                              | 35/35                                                                             |
|                      | A15J                       | 10.8/14.4             | 51.9/60        | 70/80                   | 70/80                                                             | 65/75                         | 70/80                                                                        | 24/24                              | 35/35                                                                             |
| A048JK               | A20J                       | 14.4/19.2             | 69.3/80        | 92/105                  | 100/110                                                           | 87/100                        | 90/100                                                                       | 24/24                              | 35/35                                                                             |
|                      | NONE                       | —                     | —              | 31/31                   | 50/50                                                             | —                             | —                                                                            | 31/31                              | 50/50                                                                             |
|                      | A06J                       | 4.2/5.6               | 20.2/23.3      | 31/35                   | 50/50                                                             | 26/30                         | 30/30                                                                        | 31/31                              | 50/50                                                                             |
|                      | A10J                       | 7.2/9.6               | 34.6/40        | 49/55                   | 50/60                                                             | 44/50                         | 45/50                                                                        | 31/31                              | 50/50                                                                             |
|                      | A12J                       | 8.4/11.2              | 40.4/46.7      | 56/64                   | 60/70                                                             | 51/59                         | 60/60                                                                        | 31/31                              | 50/50                                                                             |
| A060JK               | A15J                       | 10.8/14.4             | 51.9/60        | 70/80                   | 70/80                                                             | 65/75                         | 70/80                                                                        | 31/31                              | 50/50                                                                             |
|                      | A20J                       | 14.4/19.2             | 69.3/80        | 92/105                  | 100/110                                                           | 87/100                        | 90/100                                                                       | 31/31                              | 50/50                                                                             |
|                      | NONE                       | —                     | —              | 43/43                   | 60/60                                                             | —                             | —                                                                            | 43/43                              | 60/60                                                                             |
|                      | A06J                       | 4.2/5.6               | 20.2/23.3      | 43/43                   | 60/60                                                             | 26/30                         | 30/30                                                                        | 43/43                              | 60/60                                                                             |
|                      | A10J                       | 7.2/9.6               | 34.6/40        | 53/60                   | 60/60                                                             | 44/50                         | 45/50                                                                        | 43/43                              | 60/60                                                                             |
|                      | A12J                       | 8.4/11.2              | 40.4/46.7      | 61/68                   | 60/70                                                             | 51/59                         | 60/60                                                                        | 43/43                              | 60/60                                                                             |
|                      | A15J                       | 10.8/14.4             | 51.9/60        | 75/85                   | 80/90                                                             | 65/75                         | 70/80                                                                        | 43/43                              | 60/60                                                                             |
|                      | A20J                       | 14.4/19.2             | 69.3/80        | 97/110                  | 100/110                                                           | 87/100                        | 90/100                                                                       | 43/43                              | 60/60                                                                             |



INTEGRATED AIR &amp; WATER



| Unit Model No. RLPN- | Heater Kit Model No. RXJJ- | Heater kW @ 600 V | Heater Kit FLA    | Unit Min. Ckt. Ampacity | Max. Fuse or Ckt. Bkr. Size (Ckt. Bkr. Must be HACR Type for USA) | Heater Kit Min. Ckt. Ampacity | Heater Kit Max. Fuse or Ckt. Bkr. Size (Ckt. Bkr. Must be HACR Type for USA) | Air Conditioner Min. Ckt. Ampacity | Air Conditioner Max. Fuse or Ckt. Bkr. Size (Ckt. Bkr. Must be HACR Type for USA) |
|----------------------|----------------------------|-------------------|-------------------|-------------------------|-------------------------------------------------------------------|-------------------------------|------------------------------------------------------------------------------|------------------------------------|-----------------------------------------------------------------------------------|
| A036YL               | NONE<br>A15Y<br>A20Y       | —<br>14.4<br>19.2 | —<br>13.9<br>18.8 | 7<br>19<br>26           | 15<br>20<br>30                                                    | —<br>18<br>24                 | —<br>20<br>25                                                                | 7<br>7<br>7                        | 15<br>15<br>15                                                                    |
| A036YM               | NONE<br>A15Y<br>A20Y       | —<br>14.4<br>19.2 | —<br>13.9<br>18.8 | 7<br>19<br>26           | 15<br>20<br>30                                                    | —<br>18<br>24                 | —<br>20<br>25                                                                | 7<br>7<br>7                        | 15<br>15<br>15                                                                    |
| A048YL               | NONE<br>A15Y<br>A20Y       | —<br>14.4<br>19.2 | —<br>13.9<br>18.8 | 8<br>19<br>26           | 15<br>20<br>30                                                    | —<br>18<br>24                 | —<br>20<br>25                                                                | 8<br>8<br>8                        | 15<br>15<br>15                                                                    |
| A048YM               | NONE<br>A15Y<br>A20Y       | —<br>14.4<br>19.2 | —<br>13.9<br>18.8 | 8<br>19<br>26           | 15<br>20<br>30                                                    | —<br>18<br>24                 | —<br>20<br>25                                                                | 8<br>8<br>8                        | 15<br>15<br>15                                                                    |
| A060YL               | NONE<br>A15Y<br>A20Y       | —<br>14.4<br>19.2 | —<br>13.9<br>18.8 | 10<br>19<br>26          | 15<br>20<br>30                                                    | —<br>18<br>24                 | —<br>20<br>25                                                                | 10<br>10<br>10                     | 15<br>15<br>15                                                                    |
| A060YM               | NONE<br>A15Y<br>A20Y       | —<br>14.4<br>19.2 | —<br>13.9<br>18.8 | 10<br>20<br>26          | 15<br>20<br>30                                                    | —<br>18<br>24                 | —<br>20<br>25                                                                | 10<br>10<br>10                     | 15<br>15<br>15                                                                    |



Air

Electric Heater Kits  
RLQN Series

| Unit Model No. RLQN- | Heater Kit Model No. RXJJ- | Heater kW @ 208/240 V | Heater Kit FLA | Unit Min. Ckt. Ampacity | Max. Fuse or Ckt. Bkr. Size (Ckt. Bkr. Must be HACR Type for USA) | Heater Kit Min. Ckt. Ampacity | Heater Kit Max. Fuse or Ckt. Bkr. Size (Ckt. Bkr. Must be HACR Type for USA) | Air Conditioner Min. Ckt. Ampacity | Air Conditioner Max. Fuse or Ckt. Bkr. Size (Ckt. Bkr. Must be HACR Type for USA) |
|----------------------|----------------------------|-----------------------|----------------|-------------------------|-------------------------------------------------------------------|-------------------------------|------------------------------------------------------------------------------|------------------------------------|-----------------------------------------------------------------------------------|
| A036CK               | NONE                       | —                     | —              | 17/17                   | 25/25                                                             | —                             | —                                                                            | 17/17                              | 25/25                                                                             |
|                      | A06C                       | 4.2/5.6               | 11.7/13.5      | 20/22                   | 25/25                                                             | 15/17                         | 15/20                                                                        | 17/17                              | 25/25                                                                             |
|                      | A10C                       | 7.2/9.6               | 20/23.1        | 31/35                   | 35/35                                                             | 25/29                         | 25/30                                                                        | 17/17                              | 25/25                                                                             |
|                      | A12C                       | 8.4/11.2              | 23.4/27        | 35/39                   | 35/40                                                             | 30/34                         | 30/35                                                                        | 17/17                              | 25/25                                                                             |
|                      | A15C                       | 10.8/14.4             | 30.1/34.7      | 43/49                   | 45/50                                                             | 38/44                         | 40/45                                                                        | 17/17                              | 25/25                                                                             |
|                      | A20C                       | 14.4/19.2             | 40/46.3        | 56/63                   | 60/70                                                             | 50/58                         | 50/60                                                                        | 17/17                              | 25/25                                                                             |
| A036CL               | NONE                       | —                     | —              | 16/16                   | 20/20                                                             | —                             | —                                                                            | 16/16                              | 20/20                                                                             |
|                      | A06C                       | 4.2/5.6               | 11.7/13.5      | 19/21                   | 20/25                                                             | 15/17                         | 15/20                                                                        | 16/16                              | 20/20                                                                             |
|                      | A10C                       | 7.2/9.6               | 20/23.1        | 29/33                   | 30/35                                                             | 25/29                         | 25/30                                                                        | 16/16                              | 20/20                                                                             |
|                      | A12C                       | 8.4/11.2              | 23.4/27        | 33/38                   | 35/40                                                             | 30/34                         | 30/35                                                                        | 16/16                              | 20/20                                                                             |
|                      | A15C                       | 10.8/14.4             | 30.1/34.7      | 42/47                   | 45/50                                                             | 38/44                         | 40/45                                                                        | 16/16                              | 20/20                                                                             |
|                      | A20C                       | 14.4/19.2             | 40/46.3        | 54/62                   | 60/70                                                             | 50/58                         | 50/60                                                                        | 16/16                              | 20/20                                                                             |
| A036CM               | NONE                       | —                     | —              | 16/16                   | 20/20                                                             | —                             | —                                                                            | 16/16                              | 20/20                                                                             |
|                      | A06C                       | 4.2/5.6               | 11.7/13.5      | 19/21                   | 20/25                                                             | 15/17                         | 15/20                                                                        | 16/16                              | 20/20                                                                             |
|                      | A10C                       | 7.2/9.6               | 20/23.1        | 29/33                   | 30/35                                                             | 25/29                         | 25/30                                                                        | 16/16                              | 20/20                                                                             |
|                      | A12C                       | 8.4/11.2              | 23.4/27        | 33/38                   | 35/40                                                             | 30/34                         | 30/35                                                                        | 16/16                              | 20/20                                                                             |
|                      | A15C                       | 10.8/14.4             | 30.1/34.7      | 42/47                   | 45/50                                                             | 38/44                         | 40/45                                                                        | 16/16                              | 20/20                                                                             |
|                      | A20C                       | 14.4/19.2             | 40/46.3        | 54/62                   | 60/70                                                             | 50/58                         | 50/60                                                                        | 16/16                              | 20/20                                                                             |
| A048CK               | NONE                       | —                     | —              | 24/24                   | 35/35                                                             | —                             | —                                                                            | 24/24                              | 35/35                                                                             |
|                      | A06C                       | 4.2/5.6               | 11.7/13.5      | 24/25                   | 35/35                                                             | 15/17                         | 15/20                                                                        | 24/24                              | 35/35                                                                             |
|                      | A10C                       | 7.2/9.6               | 20/23.1        | 33/37                   | 35/40                                                             | 25/29                         | 25/30                                                                        | 24/24                              | 35/35                                                                             |
|                      | A12C                       | 8.4/11.2              | 23.4/27        | 37/42                   | 40/45                                                             | 30/34                         | 30/35                                                                        | 24/24                              | 35/35                                                                             |
|                      | A15C                       | 10.8/14.4             | 30.1/34.7      | 46/51                   | 50/60                                                             | 38/44                         | 40/45                                                                        | 24/24                              | 35/35                                                                             |
|                      | A20C                       | 14.4/19.2             | 40/46.3        | 58/66                   | 60/70                                                             | 50/58                         | 50/60                                                                        | 24/24                              | 35/35                                                                             |
| A048CL               | NONE                       | —                     | —              | 21/21                   | 30/30                                                             | —                             | —                                                                            | 21/21                              | 30/30                                                                             |
|                      | A06C                       | 4.2/5.6               | 11.7/13.5      | 21/21                   | 30/30                                                             | 15/17                         | 15/20                                                                        | 21/21                              | 30/30                                                                             |
|                      | A10C                       | 7.2/9.6               | 20/23.1        | 29/33                   | 30/35                                                             | 25/29                         | 25/30                                                                        | 21/21                              | 30/30                                                                             |
|                      | A12C                       | 8.4/11.2              | 23.4/27        | 33/38                   | 35/40                                                             | 30/34                         | 30/35                                                                        | 21/21                              | 30/30                                                                             |
|                      | A15C                       | 10.8/14.4             | 30.1/34.7      | 42/47                   | 45/50                                                             | 38/44                         | 40/45                                                                        | 21/21                              | 30/30                                                                             |
|                      | A20C                       | 14.4/19.2             | 40/46.3        | 54/62                   | 60/70                                                             | 50/58                         | 50/60                                                                        | 21/21                              | 30/30                                                                             |



INTEGRATED AIR &amp; WATER



| Unit Model No. RLQN- | Heater Kit Model No. RXJJ- | Heater kW @ 208/240 V | Heater Kit FLA | Unit Min. Ckt. Ampacity | Max. Fuse or Ckt. Bkr. Size (Ckt. Bkr. Must be HACR Type for USA) | Heater Kit Min. Ckt. Ampacity | Heater Kit Max. Fuse or Ckt. Bkr. Size (Ckt. Bkr. Must be HACR Type for USA) | Air Conditioner Min. Ckt. Ampacity | Air Conditioner Max. Fuse or Ckt. Bkr. Size (Ckt. Bkr. Must be HACR Type for USA) |
|----------------------|----------------------------|-----------------------|----------------|-------------------------|-------------------------------------------------------------------|-------------------------------|------------------------------------------------------------------------------|------------------------------------|-----------------------------------------------------------------------------------|
| A048CM               | NONE                       | —                     | —              | 22/22                   | 30/30                                                             | —                             | —                                                                            | 22/22                              | 30/30                                                                             |
|                      | A06C                       | 4.2/5.6               | 11.7/13.5      | 22/22                   | 30/30                                                             | 15/17                         | 15/20                                                                        | 22/22                              | 30/30                                                                             |
|                      | A10C                       | 7.2/9.6               | 20/23.1        | 30/34                   | 30/35                                                             | 25/29                         | 25/30                                                                        | 22/22                              | 30/30                                                                             |
|                      | A12C                       | 8.4/11.2              | 23.4/27        | 34/39                   | 35/40                                                             | 30/34                         | 30/35                                                                        | 22/22                              | 30/30                                                                             |
|                      | A15C                       | 10.8/14.4             | 30.1/34.7      | 42/48                   | 45/50                                                             | 38/44                         | 40/45                                                                        | 22/22                              | 30/30                                                                             |
| A060CK               | A20C                       | 14.4/19.2             | 40/46.3        | 55/63                   | 60/70                                                             | 50/58                         | 50/60                                                                        | 22/22                              | 30/30                                                                             |
|                      | NONE                       | —                     | —              | 31/31                   | 45/45                                                             | —                             | —                                                                            | 31/31                              | 45/45                                                                             |
|                      | A06C                       | 4.2/5.6               | 11.7/13.5      | 31/31                   | 45/45                                                             | 15/17                         | 15/20                                                                        | 31/31                              | 45/45                                                                             |
|                      | A10C                       | 7.2/9.6               | 20/23.1        | 35/39                   | 45/45                                                             | 25/29                         | 25/30                                                                        | 31/31                              | 45/45                                                                             |
|                      | A12C                       | 8.4/11.2              | 23.4/27        | 39/44                   | 45/45                                                             | 30/34                         | 30/35                                                                        | 31/31                              | 45/45                                                                             |
| A060CV               | A15C                       | 10.8/14.4             | 30.1/34.7      | 48/53                   | 50/60                                                             | 38/44                         | 40/45                                                                        | 31/31                              | 45/45                                                                             |
|                      | A20C                       | 14.4/19.2             | 40/46.3        | 60/68                   | 60/70                                                             | 50/58                         | 50/60                                                                        | 31/31                              | 45/45                                                                             |
|                      | NONE                       | —                     | —              | 32/32                   | 45/45                                                             | —                             | —                                                                            | 32/32                              | 45/45                                                                             |
|                      | A06C                       | 4.2/5.6               | 11.7/13.5      | 32/32                   | 45/45                                                             | 15/17                         | 15/20                                                                        | 32/32                              | 45/45                                                                             |
|                      | A10C                       | 7.2/9.6               | 20/23.1        | 37/41                   | 45/45                                                             | 25/29                         | 25/30                                                                        | 32/32                              | 45/45                                                                             |
|                      | A12C                       | 8.4/11.2              | 23.4/27        | 41/46                   | 45/50                                                             | 30/34                         | 30/35                                                                        | 32/32                              | 45/45                                                                             |
|                      | A15C                       | 10.8/14.4             | 30.1/34.7      | 50/55                   | 50/60                                                             | 38/44                         | 40/45                                                                        | 32/32                              | 45/45                                                                             |
|                      | A20C                       | 14.4/19.2             | 40/46.3        | 62/70                   | 70/70                                                             | 50/58                         | 50/60                                                                        | 32/32                              | 45/45                                                                             |
|                      | A24C                       | 18/24                 | 50/57.7        | 74/84                   | 80/90                                                             | 63/73                         | 70/80                                                                        | 32/32                              | 45/45                                                                             |





Air

Electric Heater Kits  
RLQN Series

| Unit Model No. RLQN- | Heater Kit Model No. RXJJ- | Heater kW @ 480 V | Heater Kit FLA | Unit Min. Ckt. Ampacity | Max. Fuse or Ckt. Bkr. Size (Ckt. Bkr. Must be HACR Type for USA) | Heater Kit Min. Ckt. Ampacity | Heater Kit Max. Fuse or Ckt. Bkr. Size (Ckt. Bkr. Must be HACR Type for USA) | Air Conditioner Min. Ckt. Ampacity | Air Conditioner Max. Fuse or Ckt. Bkr. Size (Ckt. Bkr. Must be HACR Type for USA) |
|----------------------|----------------------------|-------------------|----------------|-------------------------|-------------------------------------------------------------------|-------------------------------|------------------------------------------------------------------------------|------------------------------------|-----------------------------------------------------------------------------------|
| A036DK               | NONE                       | —                 | —              | 11                      | 15                                                                | —                             | —                                                                            | 11                                 | 15                                                                                |
|                      | A06D                       | 5.6               | 6.7            | 11                      | 15                                                                | 9                             | 15                                                                           | 11                                 | 15                                                                                |
|                      | A10D                       | 9.6               | 11.6           | 18                      | 20                                                                | 15                            | 15                                                                           | 11                                 | 15                                                                                |
|                      | A12D                       | 11.2              | 13.5           | 20                      | 25                                                                | 17                            | 20                                                                           | 11                                 | 15                                                                                |
|                      | A15D                       | 14.4              | 17.4           | 25                      | 35                                                                | 22                            | 25                                                                           | 11                                 | 15                                                                                |
| A036DL               | A20D                       | 19.2              | 23.3           | 32                      | 35                                                                | 30                            | 30                                                                           | 11                                 | 15                                                                                |
|                      | NONE                       | —                 | —              | 10                      | 15                                                                | —                             | —                                                                            | 10                                 | 15                                                                                |
|                      | A06D                       | 5.6               | 6.7            | 11                      | 15                                                                | 9                             | 15                                                                           | 10                                 | 15                                                                                |
|                      | A10D                       | 9.6               | 11.6           | 17                      | 20                                                                | 15                            | 15                                                                           | 10                                 | 15                                                                                |
|                      | A12D                       | 11.2              | 13.5           | 19                      | 25                                                                | 17                            | 20                                                                           | 10                                 | 15                                                                                |
| A036DM               | A15D                       | 14.4              | 17.4           | 24                      | 35                                                                | 22                            | 25                                                                           | 10                                 | 15                                                                                |
|                      | A20D                       | 19.2              | 23.3           | 31                      | 35                                                                | 30                            | 30                                                                           | 10                                 | 15                                                                                |
|                      | NONE                       | —                 | —              | 10                      | 15                                                                | —                             | —                                                                            | 10                                 | 15                                                                                |
|                      | A06D                       | 5.6               | 6.7            | 11                      | 15                                                                | 9                             | 15                                                                           | 10                                 | 15                                                                                |
|                      | A10D                       | 9.6               | 11.6           | 17                      | 20                                                                | 15                            | 15                                                                           | 10                                 | 15                                                                                |
| A048DK               | A12D                       | 11.2              | 13.5           | 19                      | 25                                                                | 17                            | 20                                                                           | 10                                 | 15                                                                                |
|                      | A15D                       | 14.4              | 17.4           | 24                      | 35                                                                | 22                            | 25                                                                           | 10                                 | 15                                                                                |
|                      | A20D                       | 19.2              | 23.3           | 31                      | 35                                                                | 30                            | 30                                                                           | 10                                 | 15                                                                                |
|                      | NONE                       | —                 | —              | 12                      | 15                                                                | —                             | —                                                                            | 12                                 | 15                                                                                |
|                      | A06D                       | 5.6               | 6.7            | 13                      | 15                                                                | 9                             | 15                                                                           | 12                                 | 15                                                                                |
| A048DL               | A10D                       | 9.6               | 11.6           | 19                      | 25                                                                | 15                            | 15                                                                           | 12                                 | 15                                                                                |
|                      | A12D                       | 11.2              | 13.5           | 21                      | 30                                                                | 17                            | 20                                                                           | 12                                 | 15                                                                                |
|                      | A15D                       | 14.4              | 17.4           | 26                      | 35                                                                | 22                            | 25                                                                           | 12                                 | 15                                                                                |
|                      | A20D                       | 19.2              | 23.3           | 34                      | 35                                                                | 30                            | 30                                                                           | 12                                 | 15                                                                                |
|                      | NONE                       | —                 | —              | 11                      | 15                                                                | —                             | —                                                                            | 11                                 | 15                                                                                |
| A048DL               | A06D                       | 5.6               | 6.7            | 11                      | 15                                                                | 9                             | 15                                                                           | 11                                 | 15                                                                                |
|                      | A10D                       | 9.6               | 11.6           | 17                      | 20                                                                | 15                            | 15                                                                           | 11                                 | 15                                                                                |
|                      | A12D                       | 11.2              | 13.5           | 19                      | 25                                                                | 17                            | 20                                                                           | 11                                 | 15                                                                                |
|                      | A15D                       | 14.4              | 17.4           | 24                      | 35                                                                | 22                            | 25                                                                           | 11                                 | 15                                                                                |
|                      | A20D                       | 19.2              | 23.3           | 31                      | 35                                                                | 30                            | 30                                                                           | 11                                 | 15                                                                                |



INTEGRATED AIR &amp; WATER



| Unit Model No. RLQN- | Heater Kit Model No. RXJJ- | Heater kW @ 480 V | Heater Kit FLA | Unit Min. Ckt. Ampacity | Max. Fuse or Ckt. Bkr. Size (Ckt. Bkr. Must be HACR Type for USA) | Heater Kit Min. Ckt. Ampacity | Heater Kit Max. Fuse or Ckt. Bkr. Size (Ckt. Bkr. Must be HACR Type for USA) | Air Conditioner Min. Ckt. Ampacity | Air Conditioner Max. Fuse or Ckt. Bkr. Size (Ckt. Bkr. Must be HACR Type for USA) |
|----------------------|----------------------------|-------------------|----------------|-------------------------|-------------------------------------------------------------------|-------------------------------|------------------------------------------------------------------------------|------------------------------------|-----------------------------------------------------------------------------------|
| A048DM               | NONE                       | —                 | —              | 11                      | 15                                                                | —                             | —                                                                            | 11                                 | 15                                                                                |
|                      | A06D                       | 5.6               | 6.7            | 11                      | 15                                                                | 9                             | 15                                                                           | 11                                 | 15                                                                                |
|                      | A10D                       | 9.6               | 11.6           | 17                      | 20                                                                | 15                            | 15                                                                           | 11                                 | 15                                                                                |
|                      | A12D                       | 11.2              | 13.5           | 19                      | 20                                                                | 17                            | 20                                                                           | 11                                 | 15                                                                                |
|                      | A15D                       | 14.4              | 17.4           | 24                      | 25                                                                | 22                            | 25                                                                           | 11                                 | 15                                                                                |
|                      | A20D                       | 19.2              | 23.3           | 32                      | 35                                                                | 30                            | 30                                                                           | 11                                 | 15                                                                                |
| A060DK               | NONE                       | —                 | —              | 15                      | 20                                                                | —                             | —                                                                            | 15                                 | 20                                                                                |
|                      | A06D                       | 5.6               | 6.7            | 15                      | 20                                                                | 9                             | 15                                                                           | 15                                 | 20                                                                                |
|                      | A10D                       | 9.6               | 11.6           | 20                      | 20                                                                | 15                            | 15                                                                           | 15                                 | 20                                                                                |
|                      | A12D                       | 11.2              | 13.5           | 22                      | 25                                                                | 17                            | 20                                                                           | 15                                 | 20                                                                                |
|                      | A15D                       | 14.4              | 17.4           | 27                      | 30                                                                | 22                            | 25                                                                           | 15                                 | 20                                                                                |
|                      | A20D                       | 19.2              | 23.3           | 35                      | 35                                                                | 30                            | 30                                                                           | 15                                 | 20                                                                                |
| A060DV               | NONE                       | —                 | —              | 16                      | 20                                                                | —                             | —                                                                            | 16                                 | 20                                                                                |
|                      | A06D                       | 5.6               | 6.7            | 16                      | 20                                                                | 9                             | 15                                                                           | 16                                 | 20                                                                                |
|                      | A10D                       | 9.6               | 11.6           | 21                      | 25                                                                | 15                            | 15                                                                           | 16                                 | 20                                                                                |
|                      | A12D                       | 11.2              | 13.5           | 23                      | 25                                                                | 17                            | 20                                                                           | 16                                 | 20                                                                                |
|                      | A15D                       | 14.4              | 17.4           | 28                      | 30                                                                | 22                            | 25                                                                           | 16                                 | 20                                                                                |
|                      | A20D                       | 19.2              | 23.3           | 35                      | 35                                                                | 30                            | 30                                                                           | 16                                 | 20                                                                                |
|                      | A24D                       | 24                | 28.9           | 42                      | 45                                                                | 37                            | 40                                                                           | 16                                 | 20                                                                                |



Air

Electric Heater Kits  
RLQN Series

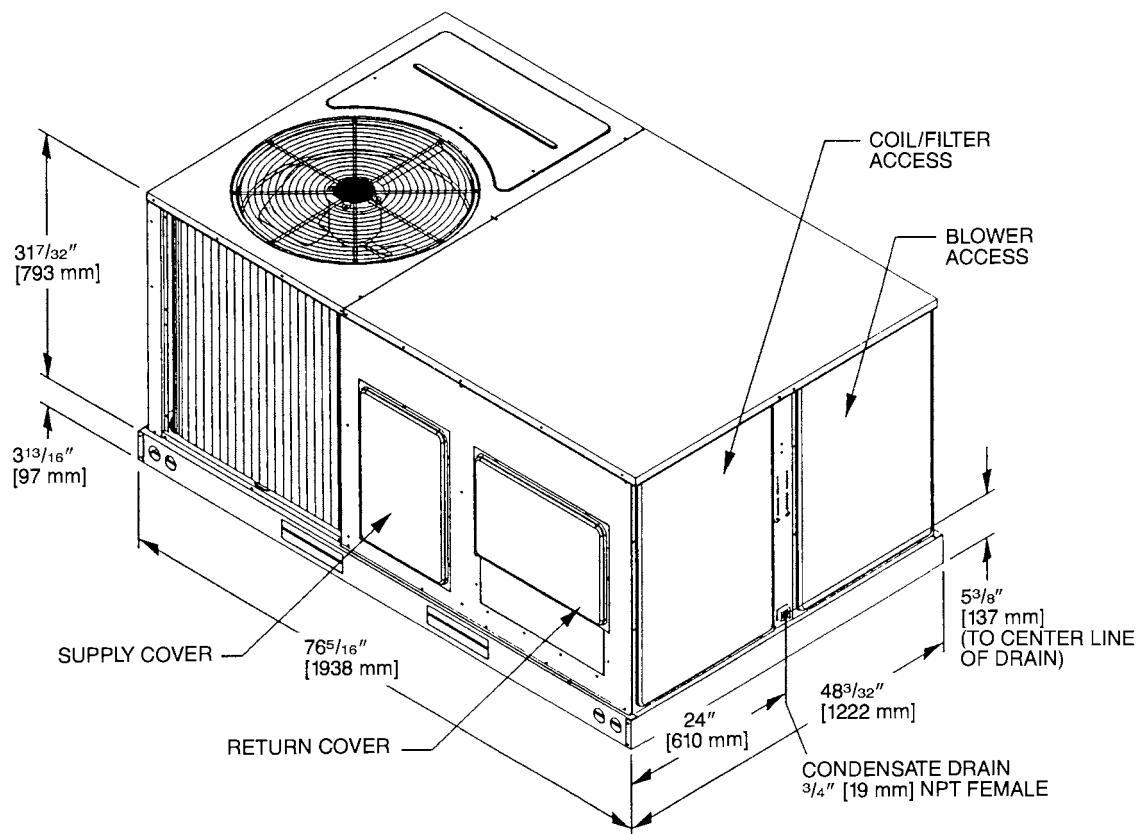
| Unit Model No. RLQN- | Heater Kit Model No. RXJJ- | Heater kW @ 208/240 V | Heater Kit FLA | Unit Min. Ckt. Ampacity | Max. Fuse or Ckt. Bkr. Size (Ckt. Bkr. Must be HACR Type for USA) | Heater Kit Min. Ckt. Ampacity | Heater Kit Max. Fuse or Ckt. Bkr. Size (Ckt. Bkr. Must be HACR Type for USA) | Air Conditioner Min. Ckt. Ampacity | Air Conditioner Max. Fuse or Ckt. Bkr. Size (Ckt. Bkr. Must be HACR Type for USA) |
|----------------------|----------------------------|-----------------------|----------------|-------------------------|-------------------------------------------------------------------|-------------------------------|------------------------------------------------------------------------------|------------------------------------|-----------------------------------------------------------------------------------|
| A036JK               | NONE                       | —                     | —              | 24/24                   | 35/35                                                             | —                             | —                                                                            | 24/24                              | 35/35                                                                             |
|                      | A06J                       | 4.2/5.6               | 20.2/23.3      | 31/35                   | 35/35                                                             | 26/30                         | 30/30                                                                        | 24/24                              | 35/35                                                                             |
|                      | A10J                       | 7.2/9.6               | 34.6/40        | 49/56                   | 50/60                                                             | 44/50                         | 45/50                                                                        | 24/24                              | 35/35                                                                             |
|                      | A12J                       | 8.4/11.2              | 40.4/46.7      | 56/64                   | 60/70                                                             | 51/59                         | 60/60                                                                        | 24/24                              | 35/35                                                                             |
|                      | A15J                       | 10.8/14.4             | 51.9/60        | 71/81                   | 70/90                                                             | 65/75                         | 70/80                                                                        | 24/24                              | 35/35                                                                             |
| A048JK               | A20J                       | 14.4/19.2             | 69.3/80        | 92/106                  | 100/110                                                           | 87/100                        | 90/100                                                                       | 24/24                              | 35/35                                                                             |
|                      | NONE                       | —                     | —              | 33/33                   | 50/50                                                             | —                             | —                                                                            | 33/33                              | 50/50                                                                             |
|                      | A06J                       | 4.2/5.6               | 20.2/23.3      | 33/37                   | 50/50                                                             | 26/30                         | 30/30                                                                        | 33/33                              | 50/50                                                                             |
|                      | A10J                       | 7.2/9.6               | 34.6/40        | 51/58                   | 60/60                                                             | 44/50                         | 45/50                                                                        | 33/33                              | 50/50                                                                             |
|                      | A12J                       | 8.4/11.2              | 40.4/46.7      | 59/66                   | 60/70                                                             | 51/59                         | 60/60                                                                        | 33/33                              | 50/50                                                                             |
| A060JK               | A15J                       | 10.8/14.4             | 51.9/60        | 73/83                   | 80/90                                                             | 65/75                         | 70/80                                                                        | 33/33                              | 50/50                                                                             |
|                      | A20J                       | 14.4/19.2             | 69.3/80        | 95/108                  | 100/110                                                           | 87/100                        | 90/100                                                                       | 33/33                              | 50/50                                                                             |
|                      | NONE                       | —                     | —              | 46/46                   | 60/60                                                             | —                             | —                                                                            | 46/46                              | 60/60                                                                             |
|                      | A06J                       | 4.2/5.6               | 20.2/23.3      | 46/46                   | 70/70                                                             | 26/30                         | 30/30                                                                        | 46/46                              | 60/60                                                                             |
|                      | A10J                       | 7.2/9.6               | 34.6/40        | 53/60                   | 70/70                                                             | 44/50                         | 45/50                                                                        | 46/46                              | 60/60                                                                             |
|                      | A12J                       | 8.4/11.2              | 40.4/46.7      | 61/68                   | 70/70                                                             | 51/59                         | 60/60                                                                        | 46/46                              | 60/60                                                                             |
|                      | A15J                       | 10.8/14.4             | 51.9/60        | 75/85                   | 80/90                                                             | 65/75                         | 70/80                                                                        | 46/46                              | 60/60                                                                             |
|                      | A20J                       | 14.4/19.2             | 69.3/80        | 97/110                  | 100/110                                                           | 87/100                        | 90/100                                                                       | 46/46                              | 60/60                                                                             |



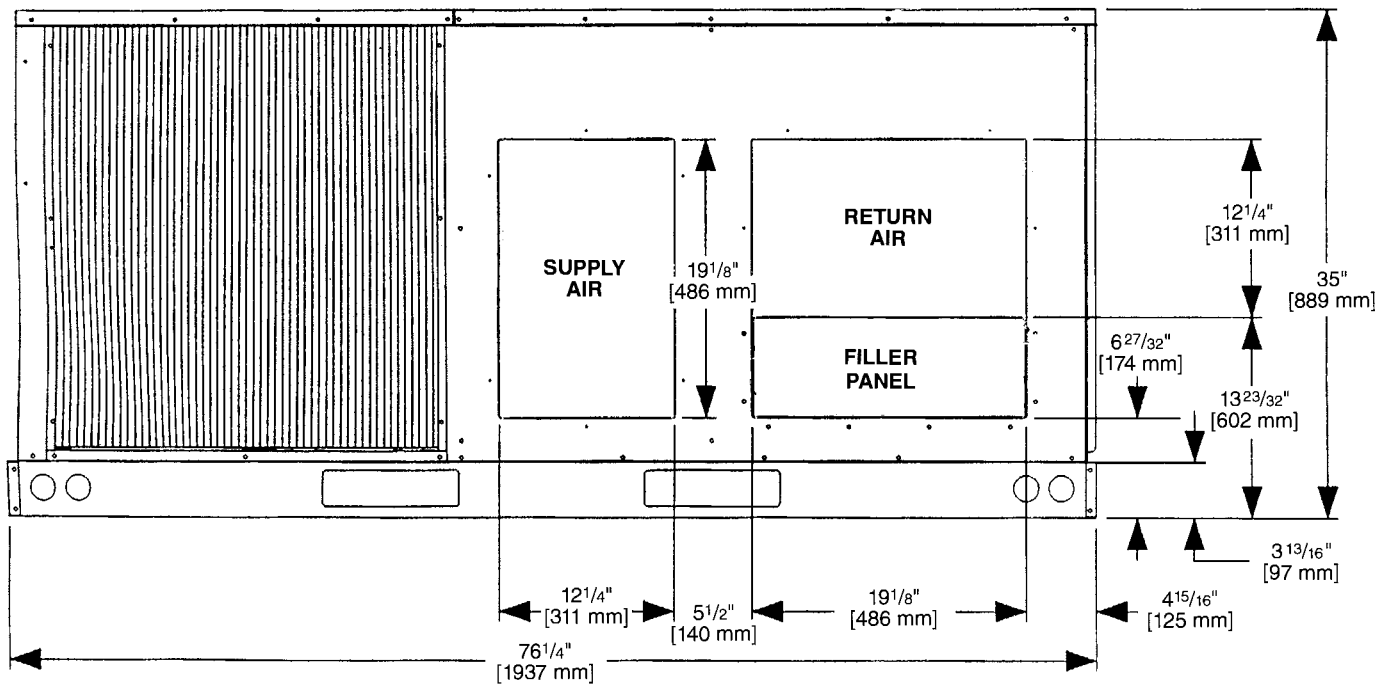
INTEGRATED AIR &amp; WATER



## 3 TO 5 TON [10.6 TO 17.6 kW] MODELS

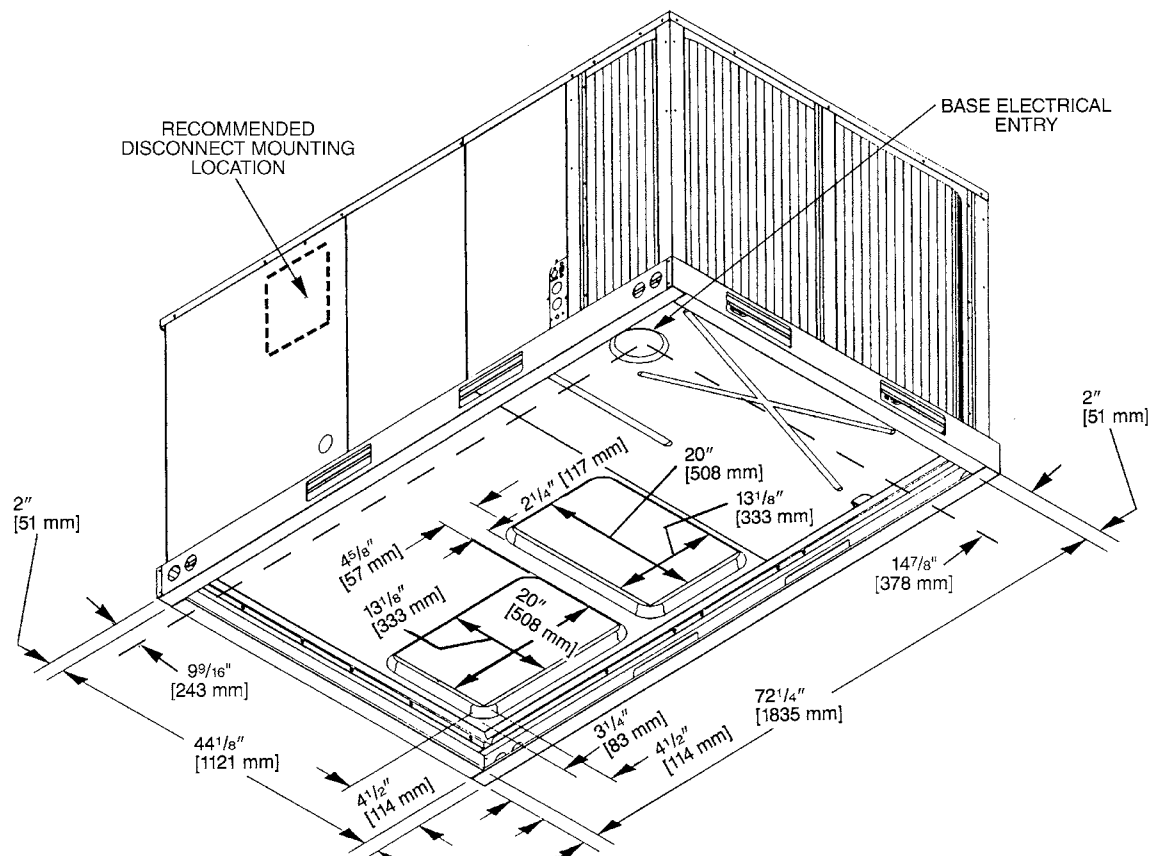
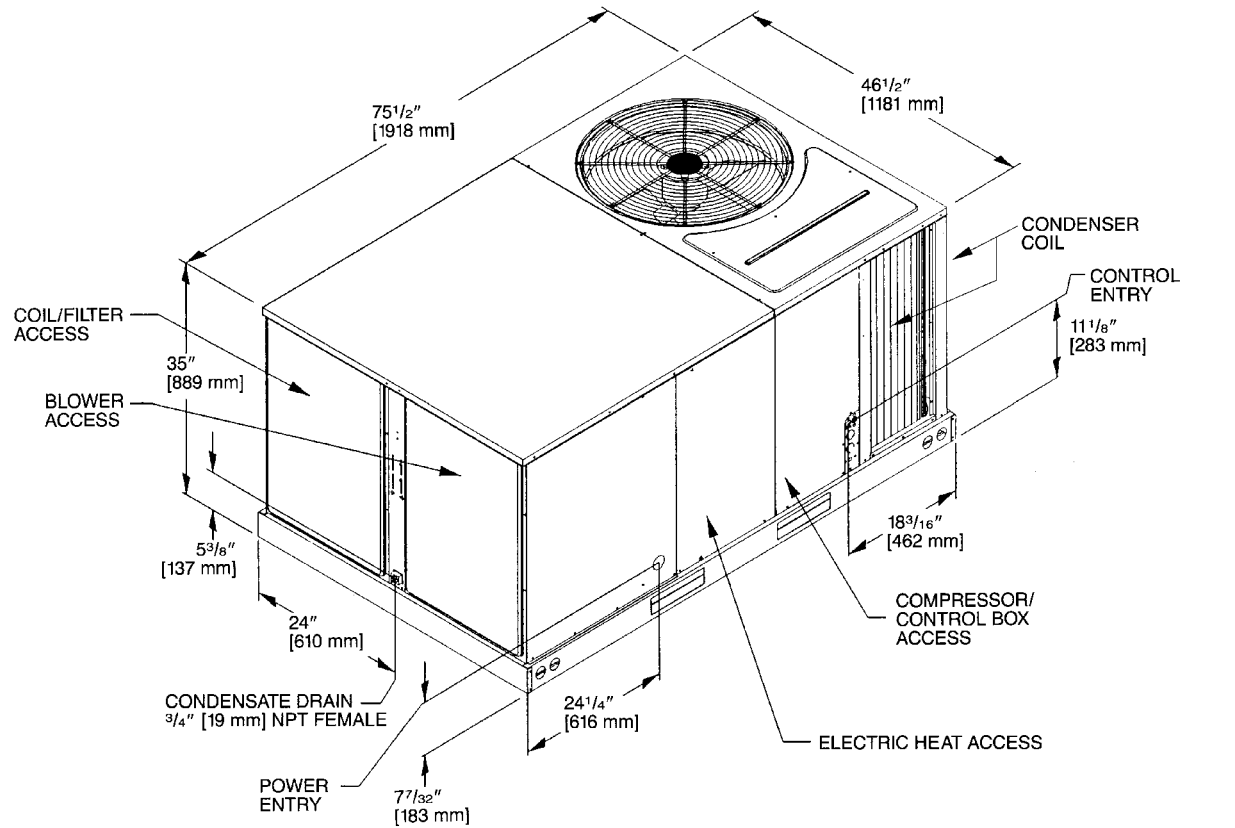


### SUPPLY AND RETURN DIMENSIONS



[ ] Designates Metric Conversions

## 3 TO 5 TON [10.6 TO 17.6 kW] MODELS



[ ] Designates Metric Conversions

**BOTTOM VIEW**

## WEIGHTS

| Accessory                                    | 3-5 Ton [10.6-17.6 kW] |           |
|----------------------------------------------|------------------------|-----------|
|                                              | Shipping               | Operating |
|                                              | lbs [kg]               | lbs [kg]  |
| Economizer with Single Enthalpy              | 71 [32]                | 70 [32]   |
| Economizer with Smoke Detector               | 74 [34]                | 73 [33]   |
| Power Exhaust                                | 70 [32]                | 67 [30]   |
| Fresh Air Damper (Manual)                    | 11 [5]                 | 9 [4]     |
| Fresh Air Damper (Motorized)                 | 13 [6]                 | 11 [5]    |
| Roof Curb 14"                                | 92 [42]                | 88 [40]   |
| Roof Curb 24"                                | 108 [49]               | 104 [47]  |
| Concentric Diffuser 18" Flush                | 37 [17]                | 26 [12]   |
| Concentric Diffuser 20" Flush                | 54 [24]                | 42 [19]   |
| Side Discharge Concentric Diffuser RXRN-FA60 | 35 [16]                | 20 [9]    |
| Side Discharge Concentric Diffuser RXRN-FA65 | 55 [25]                | 40 [18]   |

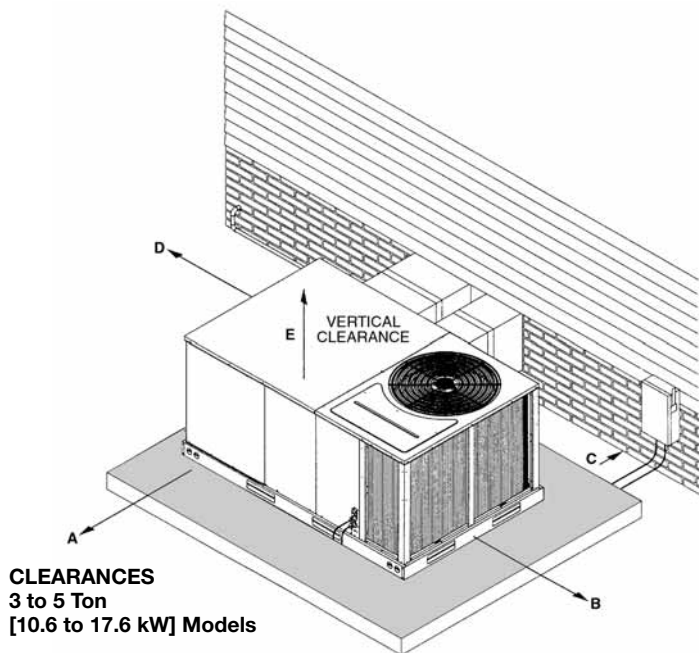
## CLEARANCES

### (3 to 5 Ton [10.6 to 17.6 kW] Models)

The following minimum clearances are recommended for proper unit performance and serviceability.

| Recommended Clearance in. [mm] | Location           |
|--------------------------------|--------------------|
| 48 [1219]                      | A - Front          |
| 18 [457]                       | B - Condenser Coil |
| *12 [305]                      | C - Duct Side      |
| 36 [914]                       | D - Evaporator End |
| 60 [1524]                      | E - Above          |
| *57" [1448 mm] With Economizer |                    |

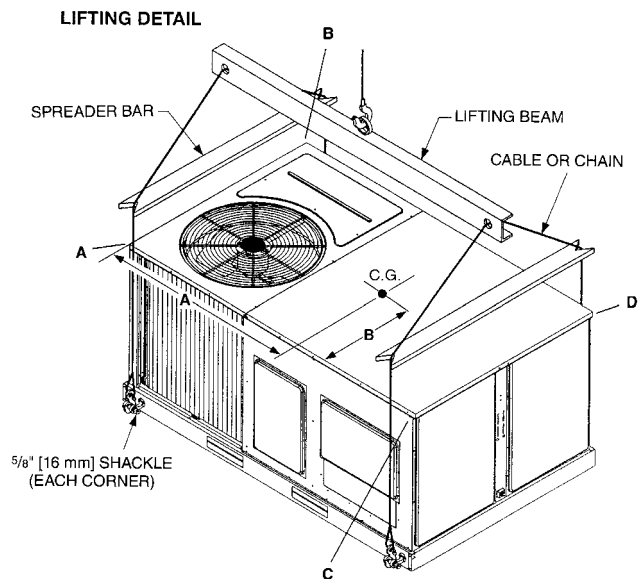
**NOTE:** Supply duct may be installed with "0" inch clearance to combustible materials, provided 1" [25.4 mm] minimum. Fiberglass insulation is applied either inside or on the outside of the duct.



## CENTER OF GRAVITY (C.G.)

| Capacity Tons [kW] | A in. [mm]   | B in. [mm]   |
|--------------------|--------------|--------------|
| 3-5 [10.6-17.6]    | 38 1/4 [972] | 25 3/4 [654] |

| Capacity Tons [kW] | Corner Weights by Percentage |     |     |     |
|--------------------|------------------------------|-----|-----|-----|
|                    | A                            | B   | C   | D   |
| 3-5 [10.6-17.6]    | 22%                          | 27% | 23% | 28% |



[ ] Designates Metric Conversions

| Accessory Description                                             | Model Application<br>3 to 5 Ton<br>[10.6 to 17.6 kW] | Accessory<br>Model No.<br>3 to 5 Ton<br>[10.6 to 17.6 kW]                                                                                                    | Factory Installed<br>3 to 5 Ton<br>[10.6 to 17.6 kW] |
|-------------------------------------------------------------------|------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------|
| Thermostats                                                       | RLPN/RLQN                                            | See Thermostat<br>Specification Sheet (T11-001)                                                                                                              | No                                                   |
| Electric Heater Kits                                              | RLPN/RLQN                                            | RXJJ-A06 (J,C,D)<br>RXJJ-A10 (J,C,D)<br>RXJJ-A11 (J,C,D)<br>RXJJ-A12 (J,C,D)<br>RXJJ-A15 (J,C,D)<br>RXJJ-A20 (J,C,D)<br>RXJJ-A21 (J,C,D)<br>RXJJ-A24 (J,C,D) | See Heater Kit Electric Table                        |
| Roofcurb, 14"                                                     | RLPN/RLQN                                            | RXKG-CAD14                                                                                                                                                   | No                                                   |
| Roofcurb, 24"                                                     | RLPN/RLQN                                            | RXKG-CAD24                                                                                                                                                   | No                                                   |
| Roofcurb Adapters                                                 | RLPN/RLQN                                            | RXRX-BBCDB21<br>RXRX-BBCDB22<br>RXRX-BBCDB23                                                                                                                 | No                                                   |
| Economizer with Single Enthalpy ①                                 | RLPN/RLQN                                            | AXRD-01RECAM3                                                                                                                                                | Yes                                                  |
| Economizer with Smoke Detector ①                                  | RLPN/RLQN                                            | AXRD-01RECBM3                                                                                                                                                | Yes                                                  |
| Dual Enthalpy Kit                                                 | RLPN/RLQN                                            | RXRX-AV04                                                                                                                                                    | No                                                   |
| CO <sub>2</sub> Sensor                                            | RLPN/RLQN                                            | RXRX-AR02                                                                                                                                                    | No                                                   |
| Power Exhaust                                                     | RLPN/RLQN                                            | AXRX-BGF04 (C, D & Y)                                                                                                                                        | No                                                   |
| Fresh Air Damper Manual                                           | RLPN/RLQN                                            | AXRF-FBA1                                                                                                                                                    | No                                                   |
| Fresh Air Damper Motorized                                        | RLPN/RLQN                                            | AXRF-FBB1                                                                                                                                                    | No                                                   |
| Rectangular to Round 18"<br>Duct Adapters for Concentric Diffuser | RLPN/RLQN                                            | RXMC-CB03                                                                                                                                                    | No                                                   |
| Rectangular to Round 20"<br>Duct Adapters for Concentric Diffuser | RLPN/RLQN                                            | RXMC-CB04                                                                                                                                                    | No                                                   |
| Concentric Diffuser 18" Step                                      | RLPN/RLQN                                            | RXRN-FA60,<br>RXRN-FA65                                                                                                                                      | No                                                   |
| Concentric Diffuser 18" Flush                                     | RLPN/RLQN                                            | RXRN-FA70,<br>RXRN-FA75                                                                                                                                      | No                                                   |
| Rectangular to Round 16" Side                                     | RLPN/RLQN                                            | RXMC-BB01                                                                                                                                                    | No                                                   |
| Louver Kit (2 Sides) 3-Ton                                        | RLPN/RLQN                                            | AXRX-AAD02B                                                                                                                                                  | Yes                                                  |
| Louver Kit (3 Sides) 4 & 5-Ton                                    | RLPN/RLQN                                            | AXRX-AAD01B                                                                                                                                                  | Yes                                                  |
| Time Delay                                                        | RLPN/RLQN                                            | RXMD-B01                                                                                                                                                     | Yes                                                  |
| Low Ambient Control to 0°F [-18°C]                                | RLPN/RLQN                                            | RXRZ-A04                                                                                                                                                     | Yes                                                  |
| Freeze Stat                                                       | RLPN/RLQN                                            | RXRX-AM05                                                                                                                                                    | Yes                                                  |

\*Voltage

J = 208-230 VAC-1PH-60HZ      D = 460 VAC-3PH-60HZ  
C = 208-230 VAC-3PH-60HZ

**NOTES:** ① Economizer is designed for downflow or horizontal applications.

[ ] Designates Metric Conversions

# THERMOSTATS



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

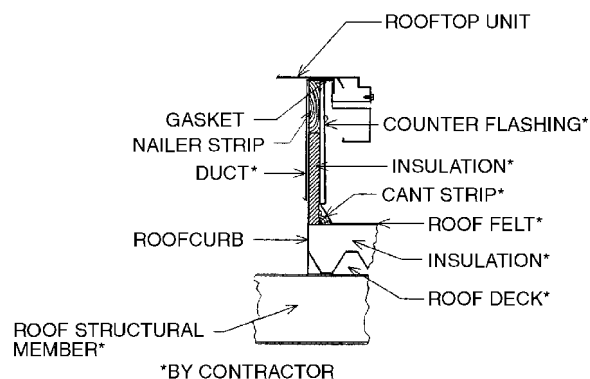
\* Photos are representative. Actual models may vary.

For detailed thermostat match-up information,  
see specification sheet form number T11-001.

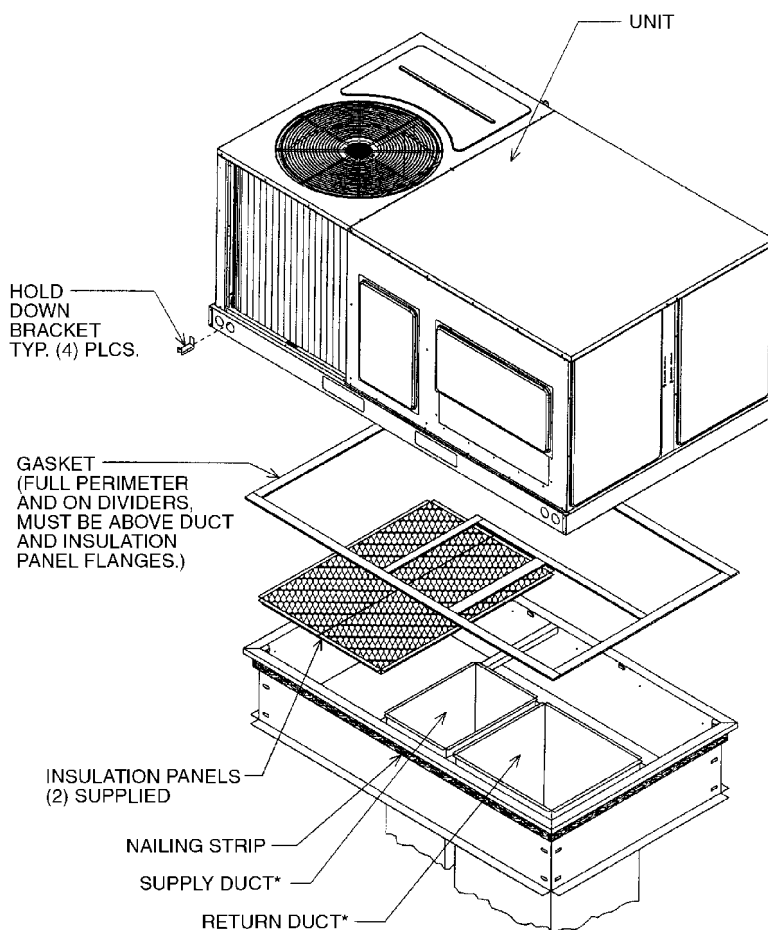
## ROOFCURBS (Full Perimeter)

- Rheem's new roofcurb design can be utilized on 3 through 5 ton [10.6-17.6 kW] models.
- Two available heights (14" [356 mm] and 24" [610 mm]) for ALL models.
- Quick assembly corners for simple and fast assembly.
- Opening provided in bottom pan to match the "Thru the Curb" electrical connection opening provided on the unit base pan.
- 2" [51 mm] x 4" [102 mm] Nailer provided.
- Insulating panels provided.
- Sealing gasket (28" [711 mm]) provided with Roofcurb.
- Packaged for easy field assembly.

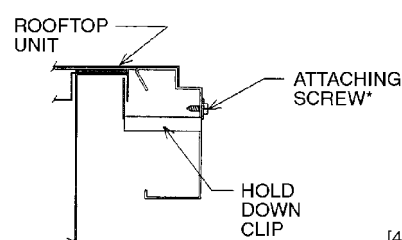
| Roofcurb Model | Height of Curb |
|----------------|----------------|
| RXKG-CAD14     | 14" [356 mm]   |
| RXKG-CAD24     | 24" [610 mm]   |



## TYPICAL INSTALLATION



## ROOFCURB FOR RLPN 3-5 TON [10.6-17.6 kW] MODELS



[ ] Designates Metric Conversions

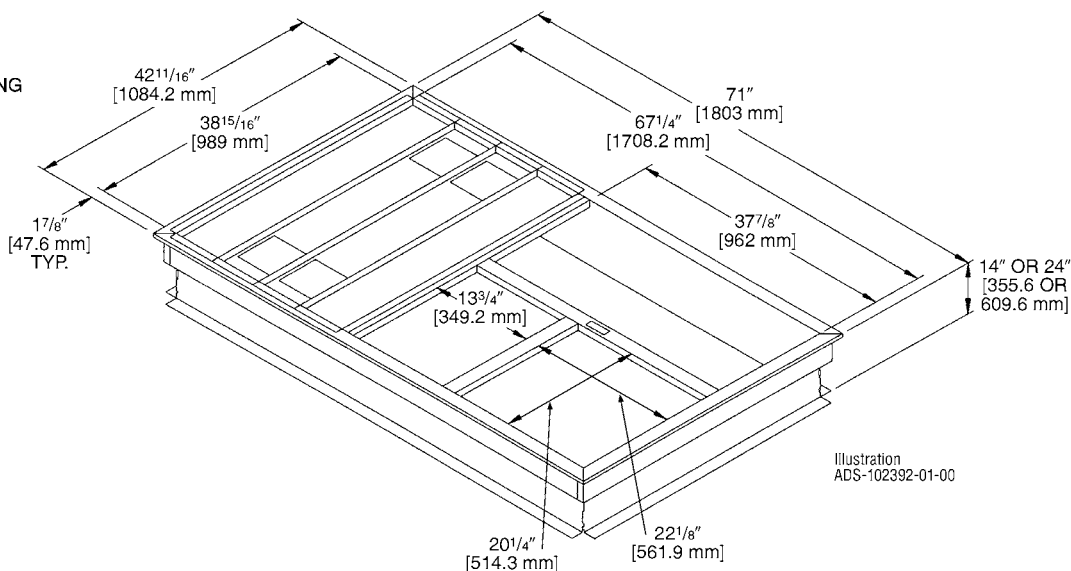
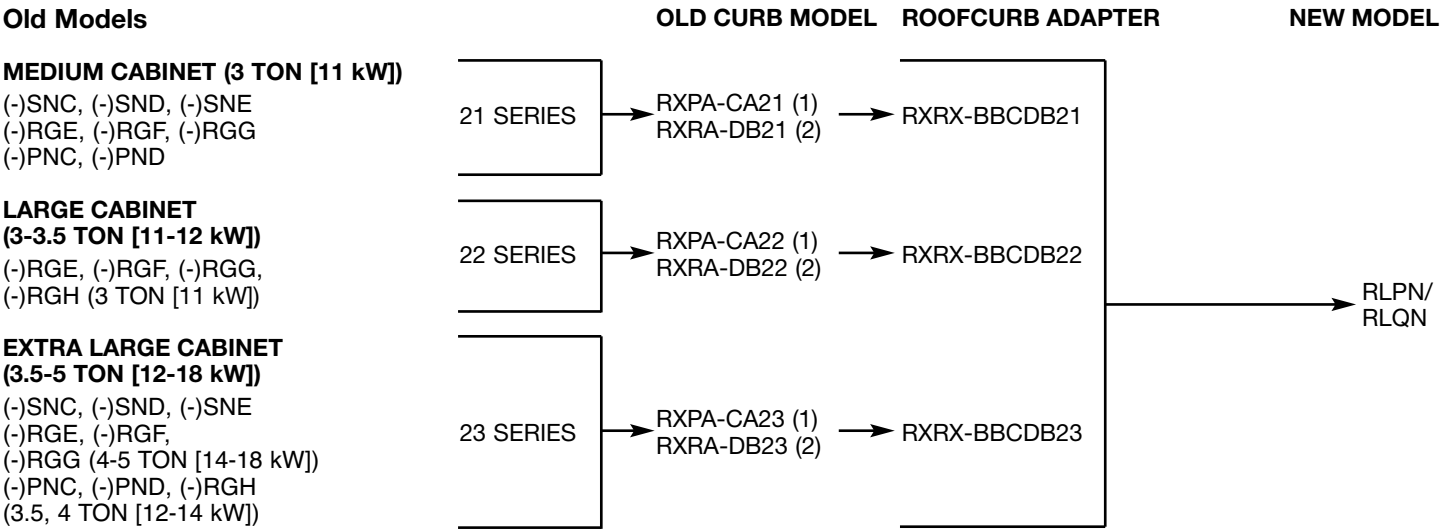


Illustration  
ADS-102392-01-00

# ROOFCURB ADAPTERS

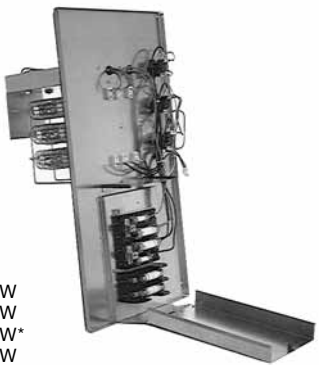
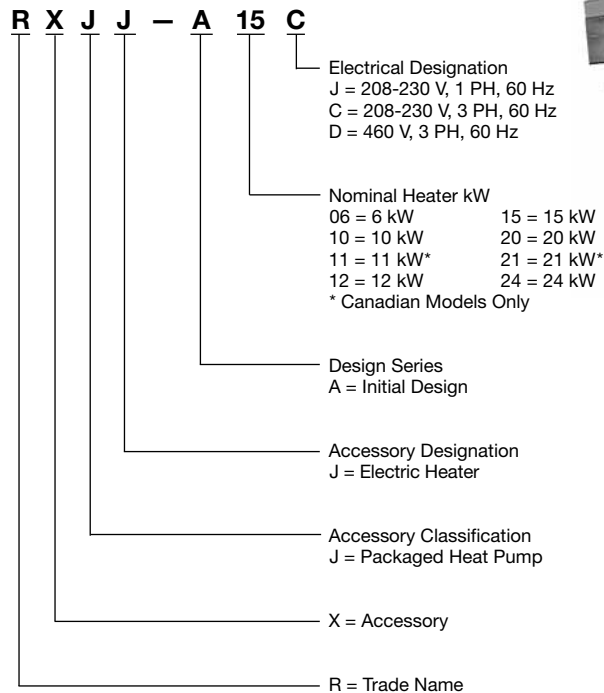


## Field Installed Resistance Heater Kits

Electric Heater Kits are designed for field installation using either single-point power wiring or dual circuit wiring. Low voltage plugs are provided to allow for quick connection to the unit. Removing a block-off panel on the unit allows the heater elements to be inserted into the supply air down stream from the indoor coil and supply air blower.

[ ] Designates Metric Conversions

### Model Number Identifier:



## Roofcurb Adapters

### Carrier to Rheem Roofcurb Adapter - RXRX-EACC35\*

Replaces Carrier/Bryant/ICP Models:

| Carrier Models |                |                |
|----------------|----------------|----------------|
| Packaged G/E   | Packaged AC    | Packaged HP    |
| 48DJ*004 - 007 | 50DJ004 - 007  | 50QJ004-006    |
| 48GJ*006       | 50GJ006        |                |
| 48HE*003 - 006 | 50HE003 - 006  | 50HEQ003 - 006 |
| 48HJ*004 - 007 | 50HJ004 - 007  | 50HJQ004 - 007 |
| 48HM*007       | 50HM007        |                |
| 48LJ*004 - 007 | 50LJ004 - 007  | 50LJQ004 - 006 |
| 48TC*004 - 007 | 50TC004 - 007  | 50TCQ004 - 007 |
| 48TF-004 - 007 | 50TFF004 - 007 | 50TFQ004 - 007 |
| 48TJ*004 - 007 | 50TJ004 - 007  | 50TJQ004 - 007 |
| 48TM*004 - 007 | 50TM004 - 007  |                |

| Bryant Models   |                 |                 |
|-----------------|-----------------|-----------------|
| Packaged G/E    | Packaged AC     | Packaged HP     |
| 581A*V036 - 072 | 551A*X036 - 072 | 549B*X036 - 072 |
| 581B*V036 - 072 | 551B*X036 - 072 |                 |
| 580C*V036 - 072 | 558C*X036 - 072 | 548C*X036 - 060 |
| 580D*V036 - 072 | 558D*X036 - 072 | 548D*X036 - 072 |
| 580F*V036 - 072 | 558F*X036 - 072 | 548F*X036 - 072 |
| 580J*04 - 07    | 558J*04 - 07    | 548J*04 - 07    |

| ICP Models   |              |              |
|--------------|--------------|--------------|
| Packaged G/E | Packaged AC  | Packaged HP  |
| PGE036 - 072 | PAE036 - 072 | PHE072       |
| PGH036 - 072 | PAH036 - 072 | PHH036 - 072 |
| PGS072       | PAS072       | PHS072       |
| RGS036 - 072 | RAS036 - 072 | RHS036 - 072 |

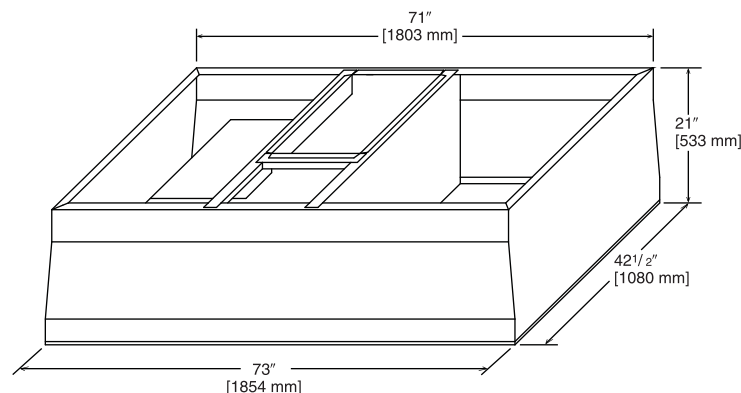
\*RXRX-EACC35 Carrier to Rheem roofcurb adapter requires high static "M" drive for all tonnages.

### Trane to Rheem Roofcurb Adapter - RXRX-EACT35

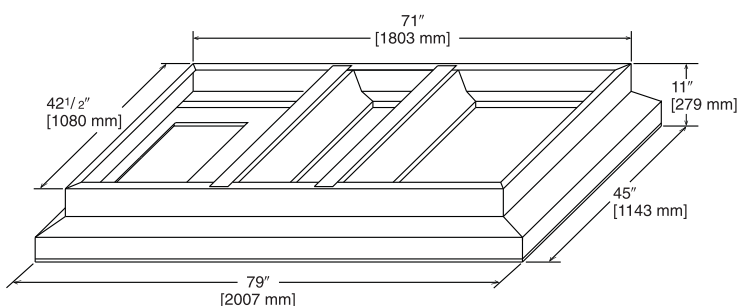
Replaces Trane Models:

| Trane Models             |                          |                          |
|--------------------------|--------------------------|--------------------------|
| Packaged G/E             | Packaged AC              | Packaged HP              |
| YCD-036,037, 048,049,060 | TCD-036,037, 048,049,060 | WCD-036,037, 048,049,060 |

| Model #     | CFM  | Static Pressure |
|-------------|------|-----------------|
| RXRX-EACT35 | 1000 | .08             |
|             | 1200 | .10             |
|             | 1400 | .15             |
|             | 1600 | .18             |
|             | 1800 | .21             |
|             | 2000 | .25             |
|             | 2200 | .30             |



| Model #     | CFM  | Static Pressure |
|-------------|------|-----------------|
| RXRX-EACC35 | 1000 | .20             |
|             | 1200 | .25             |
|             | 1400 | .30             |
|             | 1600 | .35             |
|             | 1800 | .40             |
|             | 2000 | .45             |
|             | 2200 | .50             |



[ ] Designates Metric Conversions



## ECONOMIZERS

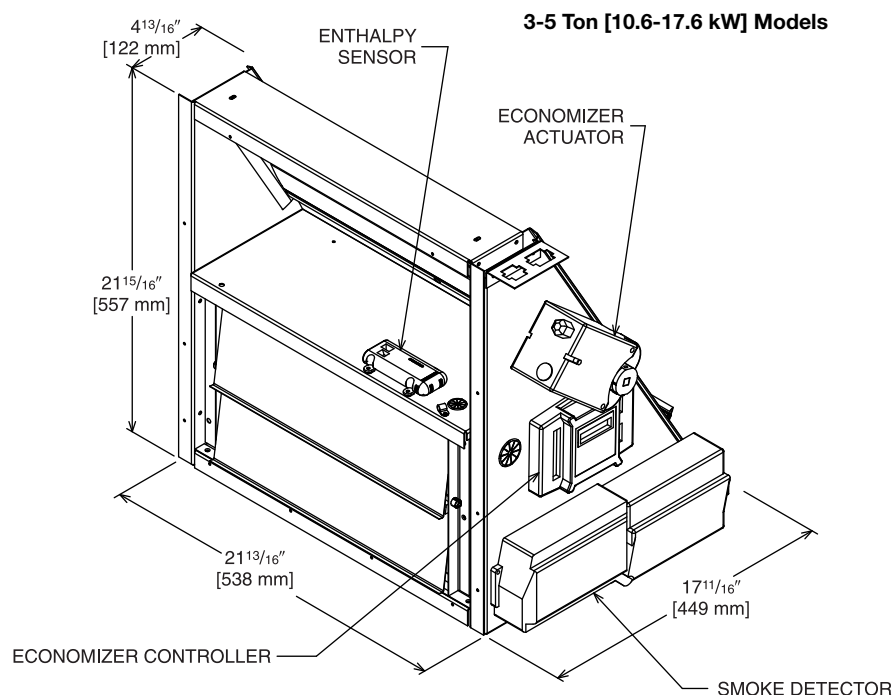
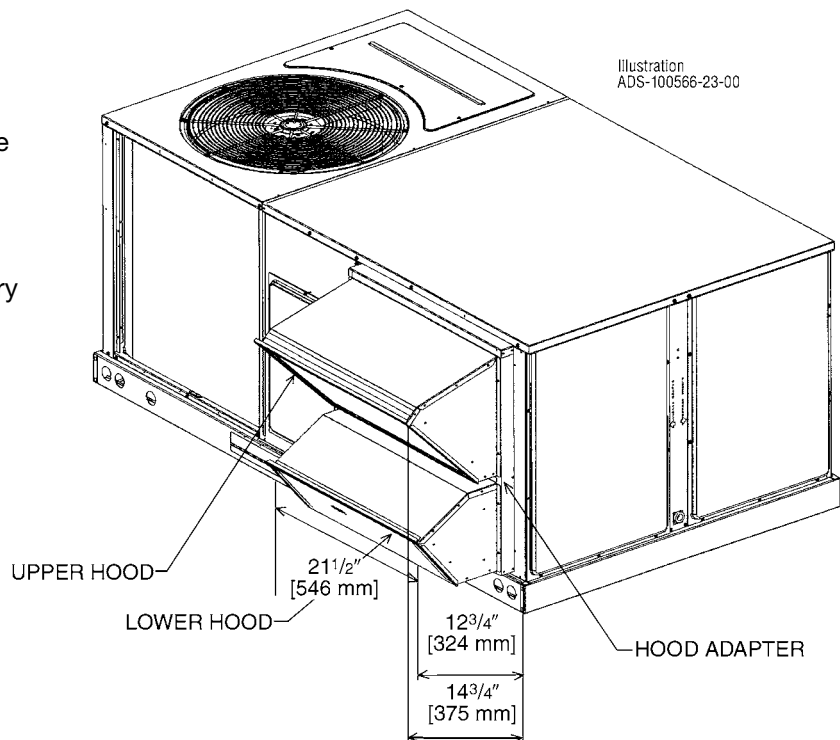
**AXRD-01RECAM3—3-5 Ton [10.6-17.6 kW] Single Enthalpy Models**

**AXRD-01RECBM3—3-5 Ton [10.6-17.6 kW] Single Enthalpy w/Smoke Detector Models**

**RXXR-AV04—Dual Enthalpy Kit  
3-5 Ton [10.6-17.6 kW] Models**

**RXXR-AR02—3-5 Ton [10.6-17.6 kW] Models    Optional CO<sub>2</sub> Sensor**

- Features **Honeywell JADE™** Digital Controls
- Available factory installed or field accessory
- Gear Driven Direct Drive Actuator
- Fully Modulating (0-100%)
- Ultra Low Leakage Dampers meet California Title 24 Requirements
- Horizontal or Downflow Applications
- Slip-In Design for Easy Installations
- Plug-In Polarized 12-pin Electrical Connections
- Pre-configured—No Field Adjustments Necessary
- Standard Barometric Relief Damper Provided
- Single Enthalpy with Dual Enthalpy Upgrade Kit
- CO<sub>2</sub> Input Sensor Available (Field Installed)
- Economizer slips in complete for Downflow or Horizontal Duct application
- Field Assembled Hood Ships with Economizer
- Field Installed Power Exhaust Available



[ ] Designates Metric Conversions

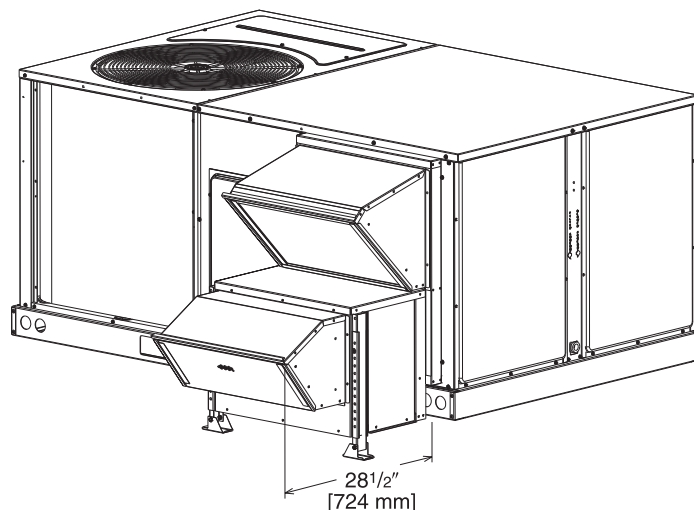
## INTEGRAL POWER EXHAUST FOR ECONOMIZER (FIELD INSTALLED ONLY)

**AXRX-BGF04C – 3-5 Ton [10.6-17.6 kW] Models**  
208-230V, 1 PH and 3 PH, 60 Hz

**AXRX-BGF04D – 3-5 Ton [10.6-17.6 kW] Models**  
460V, 3 PH, 60 Hz

**AXRX-BGF04Y – 3-5 Ton [10.6-17.6 kW] Models**  
575V, 3 PH, 60 Hz

- For **Honeywell** Economizer
- Downflow or horizontal applications
- Requires separate 208-230 Volt – 1 PH power supply with disconnect or requires separate 460V – 3 PH power supply with disconnect
- Adjustable switch on economizer, factory preset to energize power exhaust at 95% outside air position
- Polarized plug connects power exhaust relay to economizer



## POWER EXHAUST KIT FOR AXRD-01REC(-) ECONOMIZERS

| Model No.   | No. of Fans | Volts   | Phase | Watts (ea.) | High Speed |      | FLA (ea.) | LRA (ea.) |
|-------------|-------------|---------|-------|-------------|------------|------|-----------|-----------|
|             |             |         |       |             | CFM ①      | RPM  |           |           |
| AXRX-BGF04C | 1           | 208/230 | 1     | 1000        | 2500       | 1725 | 4.4       | 23.7      |
| AXRX-BGF04D | 1           | 460     | 1     | 800         | 2370       | 1620 | 1.8       | 4.1       |
| AXRX-BGF04Y | 1           | 575     | 1     | 800         | 2370       | 1620 | 1.5       | 3.3       |

AXRX-BGF04C – 3-5 Ton [10.6-17.6 kW] Models  
208/230V, 1PH and 3PH, 60 Hz

AXRX-BGF04D – 3-5 Ton [10.6-17.6 kW] Models  
460V, 3PH, 60 Hz

AXRX-BGF04Y – 3-5 Ton [10.6-17.6 kW] Models  
575V, 3PH, 60 Hz

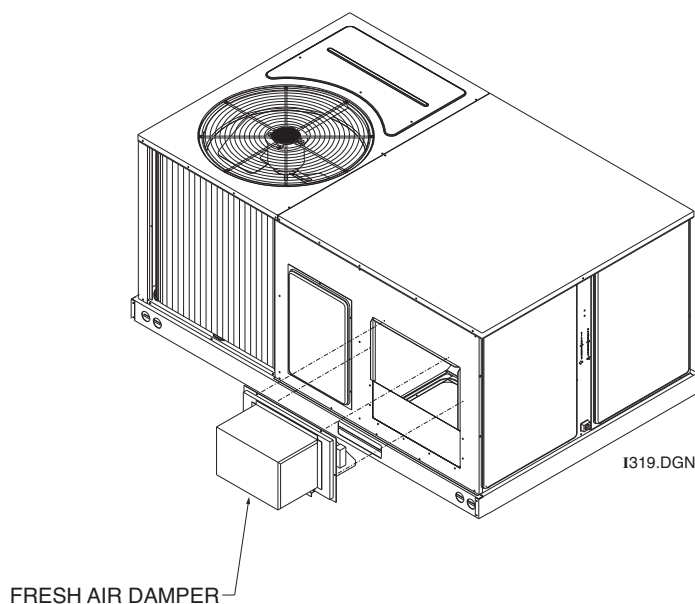
## FRESH AIR DAMPER

**3-5 Ton [10.6-17.6 kW] Models**

AXRF-FBA1 (Manual)

AXRF-FBB1 (Motorized)

[ ] Designates Metric Conversions

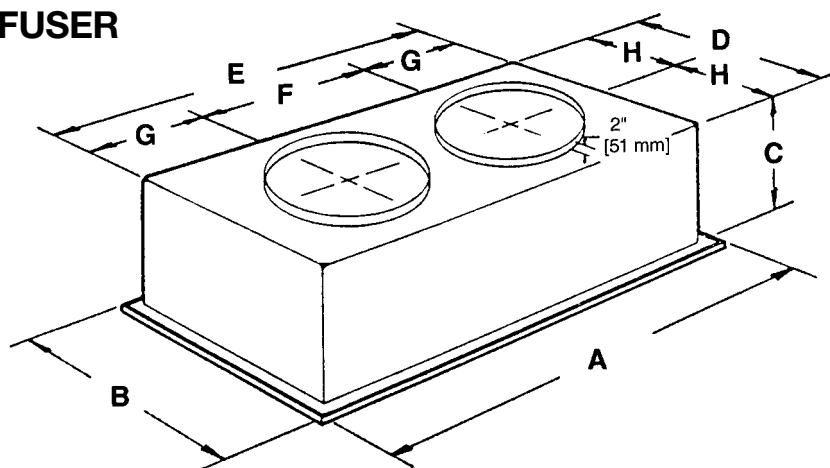




# FLUSH MOUNT CONCENTRIC DIFFUSER

RXRN-FA70 (3 to 5 Ton [10.6 to 17.6 kW] Models)

For Use With Duct Adapter (RXMC)



## DIMENSIONAL DATA

| Model No. | A                                             | B                                            | C                                            | D               | E                | F                                            | G                                            | H                                            | Duct Size |
|-----------|-----------------------------------------------|----------------------------------------------|----------------------------------------------|-----------------|------------------|----------------------------------------------|----------------------------------------------|----------------------------------------------|-----------|
| RXRN-FA70 | 47 <sup>5</sup> / <sub>8</sub> "<br>[1210 mm] | 23 <sup>5</sup> / <sub>8</sub> "<br>[600 mm] | 13 <sup>1</sup> / <sub>2</sub> "<br>[343 mm] | 21"<br>[533 mm] | 45"<br>[1143 mm] | 22 <sup>1</sup> / <sub>2</sub> "<br>[572 mm] | 11 <sup>1</sup> / <sub>4</sub> "<br>[286 mm] | 10 <sup>1</sup> / <sub>2</sub> "<br>[267 mm] | 18RD      |
| RXRN-FA75 | 47 <sup>5</sup> / <sub>8</sub> "<br>[1210 mm] | 29 <sup>5</sup> / <sub>8</sub> "<br>[752 mm] | 16 <sup>5</sup> / <sub>8</sub> "<br>[442 mm] | 27"<br>[666 mm] | 45"<br>[1143 mm] | 22 <sup>1</sup> / <sub>2</sub> "<br>[572 mm] | 11 <sup>1</sup> / <sub>4</sub> "<br>[286 mm] | 13 <sup>1</sup> / <sub>2</sub> "<br>[343 mm] | 20RD      |

## ENGINEERING DATA

| Model No. | CFM [L/s]   | Static Pressure | Throw Feet | Neck Vel. | Jet Vel. | Noise Level |
|-----------|-------------|-----------------|------------|-----------|----------|-------------|
| RXRN-FA70 | 1000 [472]  | .14             | 15-20      | 391       | 694      | 20          |
|           | 1200 [566]  | .17             | 16-22      | 469       | 833      | 25          |
|           | 1400 [661]  | .20             | 17-24      | 547       | 972      | 30          |
|           | 1600 [755]  | .24             | 18-25      | 625       | 1111     | 30          |
|           | 1800 [850]  | .30             | 20-28      | 703       | 1250     | 35          |
|           | 2000 [944]  | .36             | 21-29      | 781       | 1389     | 40          |
|           | 2200 [1038] | .40             | 22-30      | 859       | 1528     | 40          |
| RXRN-FA75 | 2600 [1227] | .17             | 19-24      | 663       | 1294     | 30          |
|           | 2800 [1321] | .20             | 20-28      | 714       | 1393     | 35          |
|           | 3000 [1416] | .25             | 21-29      | 765       | 1492     | 35          |
|           | 3200 [1510] | .31             | 22-29      | 616       | 1592     | 40          |
|           | 3400 [1605] | .37             | 22-30      | 667       | 1692     | 40          |

[ ] Designates Metric Conversions



## Guide Specifications RLPN/RLQN-A036 thru A060

You may copy this document directly into your building specification. This specification is written to comply with the 2004 version of the "master-format" as published by the Construction Specification Institute. [www.csinet.org](http://www.csinet.org).

### ELECTRIC HEAT PACKAGED ROOFTOP

#### HVAC Guide Specifications

**Size Range: 3 to 5 Nominal Tons**

| Section | Description |
|---------|-------------|
|---------|-------------|

|                 |                                                   |
|-----------------|---------------------------------------------------|
| <b>23 06 80</b> | <b>Schedules for Decentralized HVAC Equipment</b> |
|-----------------|---------------------------------------------------|

|                    |                                                      |
|--------------------|------------------------------------------------------|
| <b>23 06 80.13</b> | <b>Decentralized Unitary HVAC Equipment Schedule</b> |
|--------------------|------------------------------------------------------|

|                       |                              |
|-----------------------|------------------------------|
| <b>23 06 80.13.A.</b> | <b>Rooftop unit schedule</b> |
|-----------------------|------------------------------|

1. Schedule is per the project specification requirements.

|                 |                                  |
|-----------------|----------------------------------|
| <b>23 07 16</b> | <b>HVAC Equipment Insulation</b> |
|-----------------|----------------------------------|

|                    |                                      |
|--------------------|--------------------------------------|
| <b>23 07 16.13</b> | <b>Decentralized, Rooftop Units:</b> |
|--------------------|--------------------------------------|

1. Interior cabinet surfaces shall be insulated with a minimum 3/4-in. thick, minimum 1-1/2 lb density, flexible fiberglass insulation bonded with a phenolic binder, with aluminum foil facing on the air side.
2. Insulation and adhesive shall meet NFPA 90A requirements for flame spread and smoke generation.

|                 |                                                     |
|-----------------|-----------------------------------------------------|
| <b>23 09 13</b> | <b>Instrumentation and Control Devices for HVAC</b> |
|-----------------|-----------------------------------------------------|

|                    |                                  |
|--------------------|----------------------------------|
| <b>23 09 13.23</b> | <b>Sensors and Transmitters:</b> |
|--------------------|----------------------------------|

|                       |                    |
|-----------------------|--------------------|
| <b>23 09 13.23.A.</b> | <b>Thermostats</b> |
|-----------------------|--------------------|

1. Thermostat must
  - a. have capability to energize 2 different stages of cooling, and 1 stage of heating.
  - b. must include capability for occupancy scheduling.
  - c. energize both "W" and "G" when calling for heat.

|                 |                                                        |
|-----------------|--------------------------------------------------------|
| <b>23 09 33</b> | <b>Electric and Electronic Control System for HVAC</b> |
|-----------------|--------------------------------------------------------|

|                    |                                      |
|--------------------|--------------------------------------|
| <b>23 09 33.13</b> | <b>Decentralized, Rooftop Units:</b> |
|--------------------|--------------------------------------|

|                       |                 |
|-----------------------|-----------------|
| <b>23 09 33.13.A.</b> | <b>General:</b> |
|-----------------------|-----------------|

1. Shall be complete with self-contained low-voltage control circuit. Transformer size is 40VA.
2. Shall utilize color-coded wiring.
3. Unit shall provide "pigtail" termination points for connection of control wiring.

|                       |                  |
|-----------------------|------------------|
| <b>23 09 33.13.B.</b> | <b>Safeties:</b> |
|-----------------------|------------------|

1. Compressor over-temperature, over current.
2. Loss of charge switch.
3. High-pressure switch.
4. Automatic reset, motor thermal overload protector.

|                 |                                                 |
|-----------------|-------------------------------------------------|
| <b>23 09 93</b> | <b>Sequence of Operations for HVAC Controls</b> |
|-----------------|-------------------------------------------------|

|                    |                                      |
|--------------------|--------------------------------------|
| <b>23 09 93.13</b> | <b>Decentralized, Rooftop Units:</b> |
|--------------------|--------------------------------------|

|                    |                                     |
|--------------------|-------------------------------------|
| <b>23 09 93.13</b> | <b>INSERT SEQUENCE OF OPERATION</b> |
|--------------------|-------------------------------------|

|                 |                          |
|-----------------|--------------------------|
| <b>23 40 13</b> | <b>Panel Air Filters</b> |
|-----------------|--------------------------|

|                    |                                      |
|--------------------|--------------------------------------|
| <b>23 40 13.13</b> | <b>Decentralized, Rooftop Units:</b> |
|--------------------|--------------------------------------|

|                       |                                |
|-----------------------|--------------------------------|
| <b>23 40 13.13.A.</b> | <b>Standard filter section</b> |
|-----------------------|--------------------------------|

1. Shall consist of factory-installed, low velocity, throwaway 1-in. thick fiberglass filters of commercially available sizes.
2. Unit shall use only one filter size. Multiple sizes are not acceptable.
3. Filter face velocity shall not exceed 365 fpm at nominal airflows.
4. Filters shall be accessible through an access panel as described in the unit cabinet section of the specification (23 81 19.13.H).
5. Filter rack will also accept 2-in thick fiberglass filters of commercially available sizes by removal of a tab.

|                 |                                        |
|-----------------|----------------------------------------|
| <b>23 81 19</b> | <b>Self-Contained Air Conditioners</b> |
|-----------------|----------------------------------------|

|                    |                                                       |
|--------------------|-------------------------------------------------------|
| <b>23 81 19.13</b> | <b>Small-Capacity Self-Contained Air Conditioners</b> |
|--------------------|-------------------------------------------------------|

|                       |                |
|-----------------------|----------------|
| <b>23 81 19.13.A.</b> | <b>General</b> |
|-----------------------|----------------|

1. Outdoor, rooftop mounted, electrically controlled, heating and cooling unit utilizing a hermetic scroll compressor for cooling duty and electric resistance heat for heating duty.
2. Factory assembled, single-piece heating and cooling rooftop unit. Contained within the unit enclosure shall be all factory wiring, piping, controls, and special features required prior to field start-up.
3. Unit shall use environmentally safe, R-410A refrigerant.
4. Unit shall be installed in accordance with the manufacturer's instructions.
5. Unit must be selected and installed in compliance with local, state, and federal codes.



## 23 81 19.13.B. Quality Assurance

1. Unit meets ASHRAE 90.1-2010 minimum efficiency requirements.
2. Unit shall be rated in accordance with AHRI Standards 210/240.
3. Unit shall be designed to conform to ASHRAE 15-2010.
4. Unit shall be UL-tested and certified in accordance with ANSI Z21.47 Standards and UL-listed and certified under Canadian standards as a total package for safety requirements.
5. Insulation and adhesive shall meet NFPA 90A requirements for flame spread and smoke generation.
6. Unit casing shall be capable of withstanding 500-hour salt spray exposure per ASTM B117 (scribed specimen).
7. Unit casing shall be capable of withstanding Federal Test Method Standard No. 141 (Method 6061) 5000-hour salt spray.
8. Unit shall be designed in accordance with ISO 9001:2008, and shall be manufactured in a facility registered by ISO 9001:2008.
9. Roof curb shall be designed to conform to NRCA Standards.
10. Unit shall be subjected to a completely automated run test on the assembly line. The data for each unit will be stored at the factory, and must be available upon request.
11. Unit shall be designed in accordance with UL Standard 1995, including tested to withstand rain.
12. Unit shall be constructed to prevent intrusion of snow and tested to prevent snow intrusion into the control box up to 40 mph.

## 23 81 19.13.C. Delivery, Storage, and Handling

1. Unit shall be stored and handled per manufacturer's recommendations.
2. Lifted by crane requires either shipping top panel or spreader bars.
3. Unit shall only be stored or positioned in the upright position.

## 23 81 19.13.E. Project Conditions

1. As specified in the contract.

## 23 81 19.13.F. Operating Characteristics

1. Unit shall be capable of starting and running at 115°F (46°C) ambient outdoor temperature, meeting maximum load criteria of AHRI Standard 210/240 at  $\pm 10\%$  voltage.
2. Compressor with standard controls shall be capable of operation down to 40°F (4°C), ambient outdoor temperatures. Accessory low ambient kit is necessary if mechanically cooling at ambient temperatures below 40°F (4°C).
3. Unit shall discharge supply air vertically or horizontally as shown on contract drawings.
4. Unit shall be factory configured for vertical supply & return configurations.
5. Unit shall be field convertible from vertical to horizontal configuration.

## 23 81 19.13.G. Electrical Requirements

1. Main power supply voltage, phase, and frequency must match those required by the manufacturer.

## 23 81 19.13.H. Unit Cabinet

1. Unit cabinet shall be constructed of galvanized steel, and shall be bonderized and coated with a baked enamel finish on all externally exposed surfaces.
2. Unit cabinet exterior paint shall be: film thickness, (dry) 0.003 inches minimum, gloss (per ASTM D523, 60°F / 16°C): 60, Hardness: H-2H Pencil hardness.
3. Evaporator fan compartment interior cabinet insulation shall conform to AHRI Standards 210/240 minimum exterior sweat criteria. Interior surfaces shall be insulated with a minimum 3/4-in. thick, 1 lb. density, flexible fiberglass insulation, aluminum foil-face coated on the air side.
4. Base of unit shall have locations for thru-the-base electrical connections (factory installed or field installed), standard.
5. Base Rail
  - a. Unit shall have base rails on all sides.
  - b. Holes shall be provided in the base rails for rigging shackles to facilitate maneuvering and overhead rigging.
  - c. Holes shall be provided in the base rail for moving the rooftop by fork truck.
  - d. Base rail shall be a minimum of 14 gauge thickness.
6. Condensate pan and connections:
  - a. Shall be a condensate drain pan made of a non-corrosive material. Unit must be installed at a slight angle to allow for complete drainage.
  - b. Shall comply with ASHRAE Standard 62.
  - c. Shall use a 3/4" x 14 NPT drain connection through the side of the drain pan. Connection shall be made per manufacturer's recommendations.
7. Electrical Connections
  - a. All unit power wiring shall enter unit cabinet at a single, factory-prepared, knockout location.
  - b. Thru-the-base capability
    - i. Standard unit shall have a thru-the-base electrical location(s) using a raised, embossed portion of the unit basepan.
    - ii. No basepan penetration, other than those authorized by the manufacturer, is permitted.
8. Component access panels (standard)
  - a. Cabinet panels shall be easily removable for servicing.

**23 81 19.13.J. Coils**

1. Aluminum MicroChannel evaporator and condenser coils on all models.
  - a. Shall have aluminum lanced fins thermally bonded to aluminum multi-port flat tube design (microchannel) tubes. Coils shall be furnace brazed and contain epoxy lined shrink wrap on all aluminum to copper connections.
  - b. Shall be leak tested using helium mass spectrometry. The leak rate shall not exceed  $6.5 \times 10^{-5}$  sccs of 100% helium at 200 psig, and qualified to UL 1995 burst test at 1950 psig.
  - c. Evaporator coil includes internal distributor plate to prevent mal-distribution of two-phase refrigerant.

**23 81 19.13.K. Refrigerant Components**

1. Refrigerant circuit shall include the following control, safety, and maintenance features:
  - a. Thermal Expansion Valves (TXV).
  - b. Refrigerant filter drier.
  - c. Service gauge connections on suction and liquid lines.
  - d. External pressure gauge ports access shall be located in front exterior of cabinet.
2. Compressors
  - a. Unit shall use one fully hermetic, scroll compressor.
  - b. Compressor motors shall be cooled by refrigerant gas passing through motor windings.
  - c. Compressors shall be internally protected from high discharge temperature conditions.
  - d. Compressors shall be protected from an over-temperature and over-amperage conditions by an internal, motor overload device.
  - e. Compressor shall be factory mounted on rubber grommets.
  - f. Compressor motors shall have internal line break thermal and current overload protection along with high pressure differential protection.
  - g. Crankcase heaters shall not be required for normal operating range.

**23 81 19.13.L. Filter Section**

1. Filters access is specified in the unit cabinet section of this specification.
2. Shall consist of factory-installed, low velocity, throw-away 1-in. thick fiberglass filters.
3. Filter face velocity shall not exceed 365 fpm at nominal airflows.
4. Filters shall be standard, commercially available sizes.
5. Only one size filter per unit is allowed.
6. Filter rack will also accept 2-in thick fiberglass filters of commercially available sizes by removal of a tab.

**23 81 19.13.M. Evaporator Fan and Motor**

1. Evaporator fan motor:
  - a. Shall have permanently lubricated bearings.
  - b. Shall have inherent automatic-reset thermal overload protection.
  - c. Shall have a maximum continuous bhp rating for continuous duty operation; no safety factors above that rating shall be required.
2. Belt-driven Evaporator Fan:
  - a. Belt drive shall include an adjustable-pitch motor pulley.
  - b. Shall use sealed, permanently lubricated ball-bearing type.
  - c. Blower fan shall be double-inlet type with forward-curved blades.
  - d. Shall be constructed from steel with a corrosion resistant finish and dynamically balanced.
3. High-Static Belt-driven Evaporator Fan Motor(s) and Drive(s):
  - a. High-static motor(s) and drive(s) shall be factory-installed to provide additional performance range.

**23 81 19.13.N. Condenser Fans and Motors**

1. Condenser fan motors:
  - a. Shall be a totally enclosed motor.
  - b. Shall use permanently lubricated bearings.
  - c. Shall have inherent thermal overload protection with an automatic reset feature.
  - d. Shall use a shaft-down design. Shaft-up designs including those with "rain-slinger devices" shall not be allowed.
2. Condenser Fans shall:
  - a. Shall be a direct-driven propeller type fan
  - b. Shall have aluminum blades riveted to corrosion-resistant steel spiders and shall be dynamically balanced.

**23 81 19.13.O. Special Features**

1. Integrated Economizers:
  - a. Integrated, gear-driven parallel modulating blade design type capable of simultaneous economizer and compressor operation.
  - b. Module designed for vertical or horizontal return configurations. Vertical return configuration shall be available as a factory installed option.

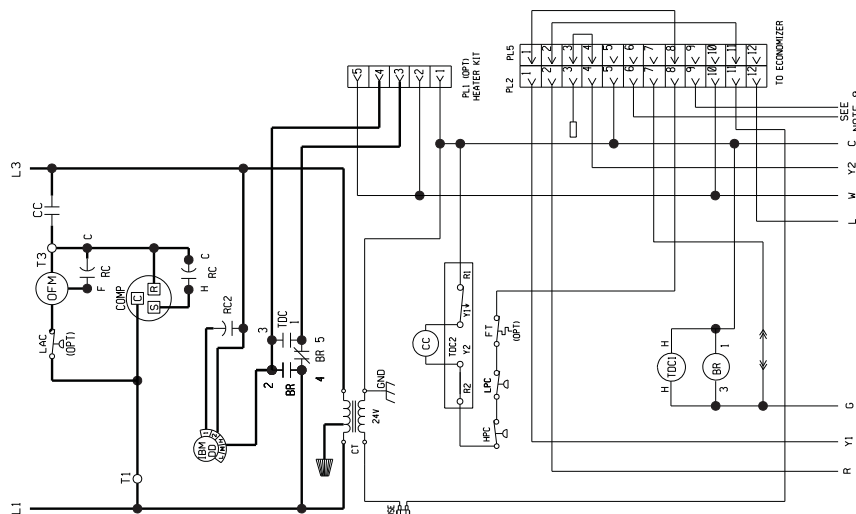


- c. Damper blades shall be galvanized steel with metal gears. Plastic or composite blades on intake or return shall not be acceptable.
  - d. Shall include all hardware and controls to provide free cooling with outdoor air when temperature and/or humidity are below setpoints.
  - e. Shall be equipped with gear driven dampers for both the outdoor ventilation air and the return air for positive air stream control.
  - f. Shall be capable of introducing up to 100% outdoor air.
  - g. Shall be equipped with a barometric relief damper capable of relieving up to 100% return air. The barometric relief damper shall include seals, hardware and hoods to relieve building pressure. Damper shall gravity close upon unit shut down.
  - h. Shall be designed to close damper(s) during loss-of-power situations with spring return built into motor.
  - i. An outdoor single-enthalpy sensor shall be provided as standard. Outdoor air enthalpy set point shall be adjustable and shall range from the enthalpy equivalent of 59.2°F @ 50% rh to 74.8°F @ 50% rh. Additional sensor options shall be available as accessories.
  - j. The economizer controller shall also provide control of an accessory power exhaust unit function. Factory set at 50%, with a range of 0% to 100%.
  - k. The economizer shall maintain minimum airflow into the building during occupied period and provide design ventilation rate for full occupancy.
  - l. Economizer controller shall accept a 2-10Vdc CO<sub>2</sub> sensor input over a CO<sub>2</sub> range of 0-2000 ppm for IAQ/DCV control. In this mode, dampers shall modulate the outdoor-air damper to provide ventilation based on the sensor input.
  - m. Actuator shall be direct coupled to economizer gear. No linkage arms or control rods shall be acceptable.
  - n. Economizer controller shall provide indications when in free cooling mode, in the DCV mode, or the exhaust fan contact is closed.
  - o. Equipped with 3<sup>rd</sup> party certified low leakage dampers with maximum damper leakage rate to be equal to or less than 4.0 cfm/sq. ft. at 1.0 in. w.g., meeting or exceeding ASHRAE 90.1 requirements.
  - p. Economizer controller on electromechanical units shall be Honeywell W7220 that provides:
    - i. 2-line LCD interface screen for setup, configuration and troubleshooting
    - ii. Onboard fault detection and diagnostics
    - iii. Sensor failure loss of communication identification
    - iv. Automatic sensor detection
    - v. Utilize digital sensors: Dry bulb and Enthalpy
    - vi. Adjustable Compressor lockout setpoint shall open at 35°F and close at 50°F.
2. Two-Position Damper
- a. Damper shall be a Two-Position Damper. Damper travel shall be from the full closed position to the field adjustable %-open setpoint.
  - b. Damper shall include adjustable damper travel from 25% to 100% (full open).
  - c. Damper shall include single or dual blade, gear driven damper and actuator motor.
  - d. Actuator shall be direct coupled to economizer gear. No linkage arms or control rods shall be acceptable.
  - e. Damper will admit up to 100% outdoor air for applicable rooftop units.
  - f. Damper shall close upon indoor (evaporator) fan shutoff and/or loss of power.
  - g. The damper actuator shall plug into the rooftop unit's wiring harness plug. No hard wiring shall be required.
  - h. Outside air hood shall include aluminum water entrainment filter.
3. Manual damper
- a. Manual damper package shall consist of damper, air inlet screen, and rain hood which can be preset to admit up to 50% outdoor air for year round ventilation.
4. Head Pressure Control Package
- a. Controller shall control coil head pressure by condenser-fan cycling.
5. Condenser Coil Hail Guard Assembly
- a. Shall protect against damage from hail.
  - b. Shall be louvered design.
6. Thru-the-Base Connectors:
- a. Kits shall provide connectors to permit electrical connections to be brought to the unit through the unit basepan.
7. Propeller Power Exhaust:
- a. Power exhaust shall be used in conjunction with an integrated economizer.
  - b. Independent modules for vertical or horizontal return configurations shall be available.
  - c. Horizontal power exhaust shall be mounted in return ductwork.
  - d. Power exhaust shall be controlled by economizer controller operation. Exhaust fans shall be energized when dampers open past the 0-100% adjustable setpoint on the economizer control.

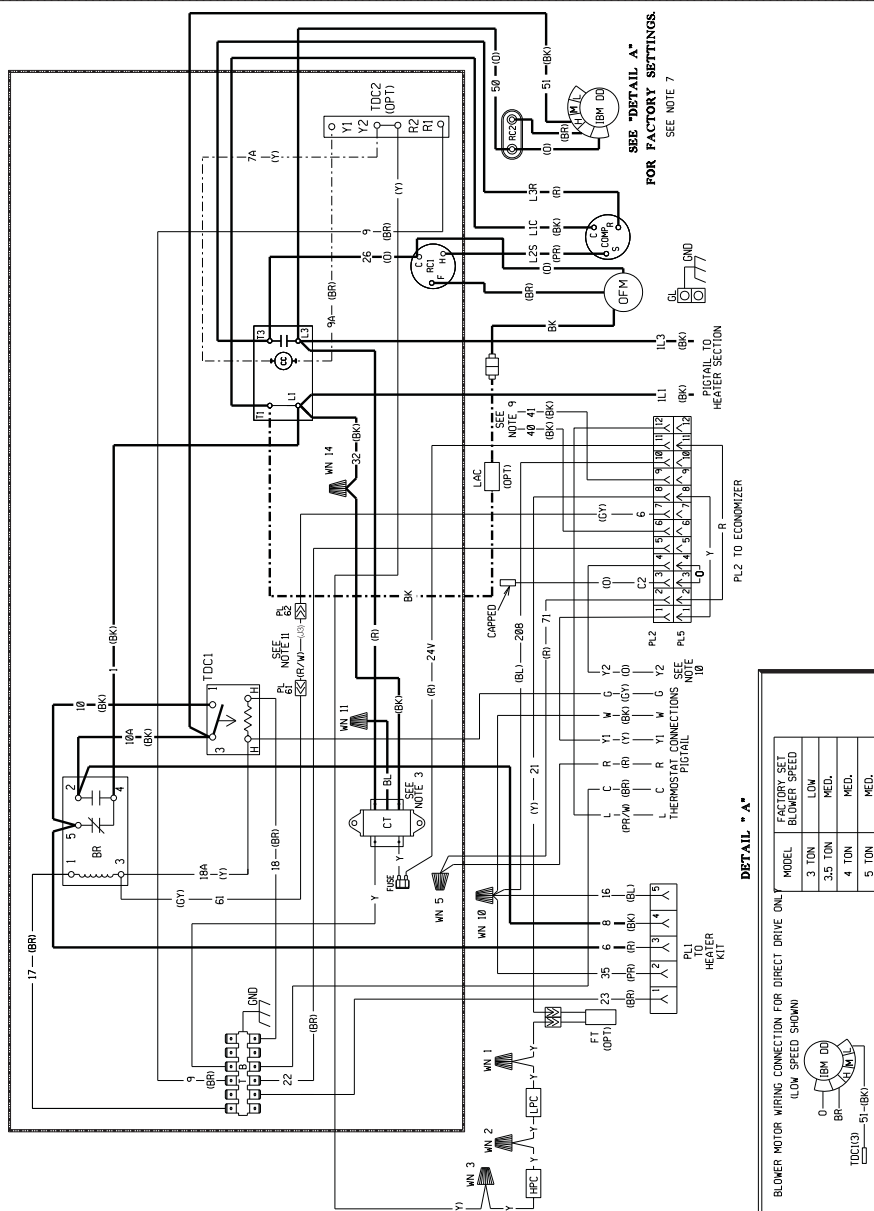


8. Roof Curbs (Vertical):
  - a. Full perimeter roof curb with exhaust capability providing separate airstreams for energy recovery from the exhaust air without supply air contamination.
  - b. Formed galvanized steel with wood nailer strip and shall be capable of supporting entire unit weight.
  - c. Permits installation and securing of ductwork to curb prior to mounting unit on the curb.
9. Outdoor Air Enthalpy Sensor:
  - a. The outdoor air enthalpy sensor shall be used to provide single enthalpy control. When used in conjunction with a return air enthalpy sensor, the unit will provide differential enthalpy control. The sensor allows the unit to determine if outside air is suitable for free cooling.
10. Return Air Enthalpy Sensor:
  - a. The return air enthalpy sensor shall be used in conjunction with an outdoor air enthalpy sensor to provide differential enthalpy control.
11. Indoor Air Quality (CO<sub>2</sub>) Sensor:
  - a. Shall be able to provide demand ventilation indoor air quality (IAQ) control.
  - b. The IAQ sensor shall be available in wall mount with LED display. The set point shall have adjustment capability.
  - c. The sensor shall provide a 2-10Vdc output for a CO<sub>2</sub> input range of 0-2000 ppm.
12. Smoke detectors:
  - a. Shall be a Four-Wire Controller and Detector.
  - b. Shall be environmental compensated with differential sensing for reliable, stable, and drift-free sensitivity.
  - c. Shall use magnet-activated test/reset sensor switches.
  - d. Shall have a recessed momentary switch for testing and resetting the detector.
  - e. Controller shall include:
    - i. One set of normally open alarm initiation contacts for connection to an initiating device circuit on a fire alarm control panel
    - ii. Two Form-C auxiliary alarm relays for interface with rooftop unit or other equipment.
    - iii. One Form-C supervision (trouble) relay to control the operation of the Trouble LED on a remote test/reset station.
    - iv. Capable of direct connection to two individual detector modules.
    - v. Can be wired to up to 14 other duct smoke detectors for multiple fan shutdown applications.
13. Non-Powered convenience outlet.
  - a. Outlet shall be powered from a separate 115-120v power source.
  - b. A transformer shall not be included.
  - c. Outlet shall be field-installed and internally mounted with easily accessible 115-v female receptacle.
  - d. Outlet shall include 15 amp GFI receptacle.
  - e. Outlet shall be accessible from outside the unit.
14. Electric Heat:
  - a. Heating Section
    - i. Heater element open coil resistance wire, nickel-chrome alloy, strung through ceramic insulators mounted on metal frame. Coil ends are staked and welded to terminal screw slots.
    - ii. Heater assemblies are provided with integral fusing for protection of internal heater circuits not exceeding 48 amps each. Auto reset thermo limit controls, magnetic heater contactors (24 v coil) and terminal block all mounted in electric heater control box (minimum 18 ga galvanized steel) attached to end of heater assembly.

WIRING SCHEMATIC



WIRING DIAGRAM



# COMPONENT CODES

|       |                                  |
|-------|----------------------------------|
| BR    | BLOWER RELAY                     |
| CC    | COMPRESSOR CONTACTOR             |
| COMP  | COMPRESSOR                       |
| CT    | CONTROL TRANSFORMER              |
| FT    | FREEZE STAT                      |
| GL    | GROUND LUG                       |
| GND   | GROUND                           |
| HPC   | HIGH PRESSURE CONTROL            |
| IBMBD | INDOOR BLOWER MOTOR BELT DRIVE   |
| IBMDD | INDOOR BLOWER MOTOR DIRECT DRIVE |
| LAC   | LOW AMBIENT COOLING CONTROL      |
| LPC   | LOW PRESSURE CONTROL             |
| OFM   | OUTDOOR FAN MOTOR                |
| PL    | PLUG                             |
| RC    | RUN CAPACITOR                    |
| TB    | TERMINAL BLOCK (LOW VOLTAGE)     |
| TDC   | TIME DELAY CONTROL               |
| WN    | WIRE NUT                         |

# NOTES

1. CONNECTORS SUITABLE FOR USE WITH COPPER CONDUCTORS ONLY.
2. COMPRESSOR MOTOR THERMALLY PROTECTED, ALL 3 PHASE MODELS ARE PROTECTED UNDER PRIMARY SINGLE PHASE CONDITIONS.
3. CONTROL TRANSFORMER PRIMARY LEADS: RED-COM. BLUE-208V, 240V. GREEN-240V. WHITE-208V. BLACK-240V. Y & C MODELS, INTERCHANGE BLACK & BLUE LEADS FOR 208 VOLT OPERATION.
4. CONTACTOR FACTORY WIRED, CONNECT FIELD WIRE TO FACTORY SUPPLIED PIGTAIL.
5. TRANSFORMER 24V, 50/60 HZ SUPPLIED.
6. CONNECT FIELD WIRING IN GROUNDED PAIN TIGHT CONDUIT TO 60 HZ FUSED DISCONNECT.
7. MOTOR FACTORY WIRED FOR CORRECT SPEED.
8. SEE FIELD WIRING IN UNIT FUSE BOX FOR FUSE SIZING AND WIRING INSTRUCTIONS.
9. WIRING FROM PL2 (6 & 9) GO TO THE MIXED AIR SENSOR ON THE OPTIONAL ECONOMIZER.
10. Y2 IS USED ONLY FOR THE OPTIONAL ECONOMIZER.
11. REMOVE JUMPER FOR FIELD INSTALLED OCCUPANCY RELAY.

# WIRING INFORMATION

- LINE VOLTAGE
- FACTORY STANDARD
  - FACTORY OPTION
  - FIELD INSTALLED
- LOW VOLTAGE
- FACTORY STANDARD
  - FIELD INSTALLED
- REPLACEMENT WIRE
- MUST BE THE SAME SIZE AND TYPE
  - CABINET MUST BE PERMANENTLY GROUNDED AND CONFORM TO I.E.C., N.E.C., C.E.C., NATIONAL WIRING REGULATIONS, AND LOCAL CODES AS APPLICABLE.

# WIRE COLOR CODE

|              |              |               |
|--------------|--------------|---------------|
| BK.....BLACK | G.....GREEN  | PR.....PURPLE |
| BR.....BROWN | GY.....GRAY  | R.....RED     |
| BL.....BLUE  | O.....ORANGE | W.....WHITE   |
|              | Y.....YELLOW |               |

# ELECTRICAL WIRING DIAGRAM

208 / 230, 1 PHASE  
DIRECT DRIVE  
PACKAGE AIR CONDITIONER

|             |             |                       |
|-------------|-------------|-----------------------|
| APPROVED:   | CHECKED:    | ORIGINAL RELEASE NO.: |
| MODELED BY: | MGR         | DATE: 2-11-13         |
| PART NO.:   | 90-23597-29 | REV: 03               |

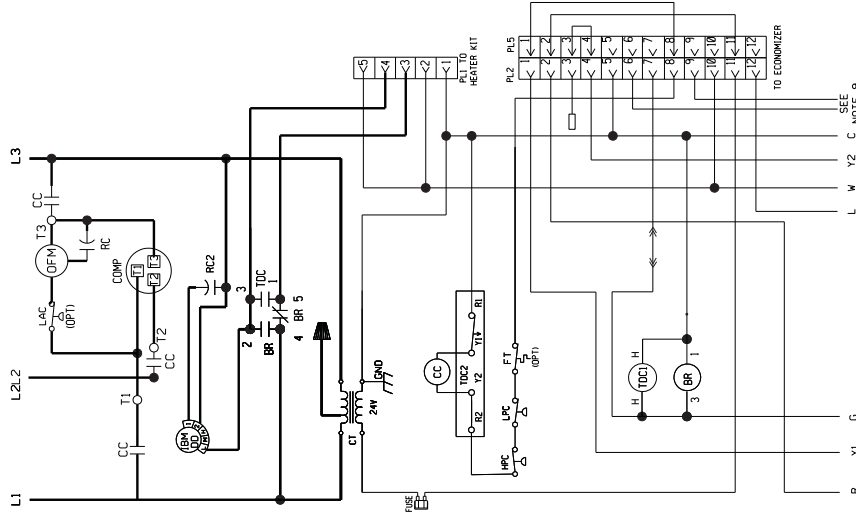


Air

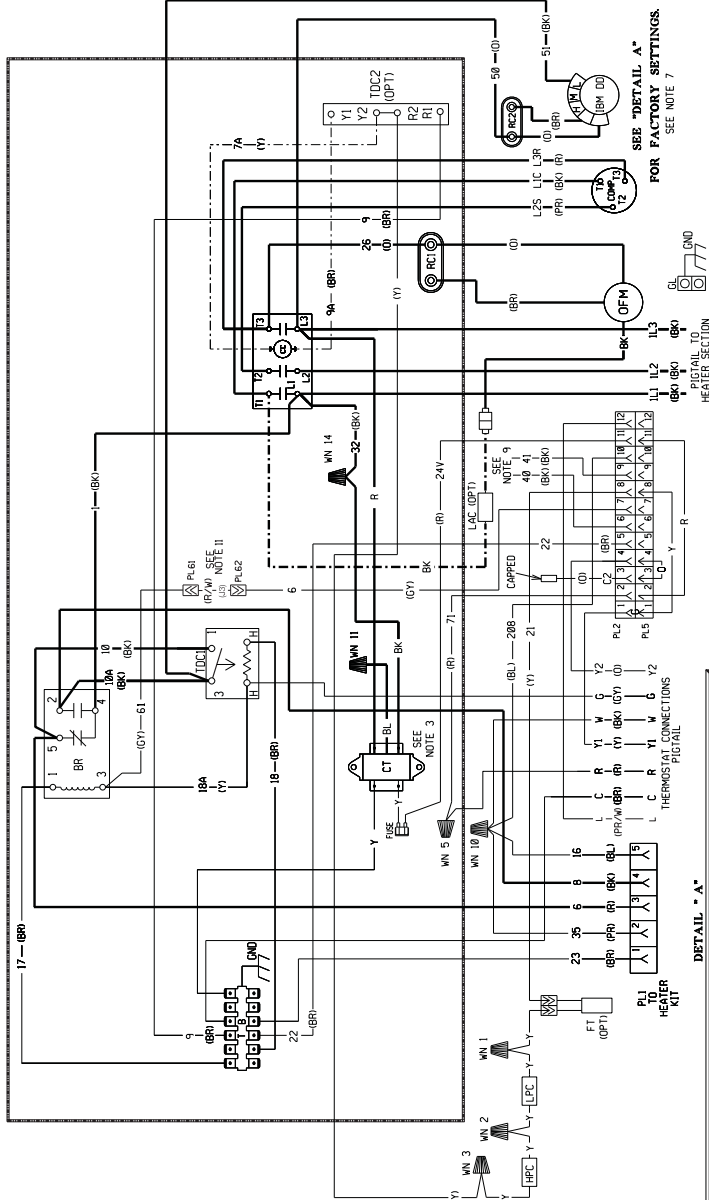
# Wiring Diagrams

## RLPN/RLQN Series

WIRING SCHEMATIC



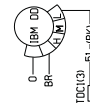
WIRING DIAGRAM



DETAIL "A"

BLOWER MOTOR WIRING CONNECTION FOR DIRECT DRIVE ONLY

(LOW SPEED SHOWN)



| MODEL   | FANCTY SET |
|---------|------------|
| 3.10N   | LOW        |
| 3.5.10N | MED.       |
| 4.10N   | MED.       |
| 5.10N   | MED.       |

### WIRING INFORMATION

- LINE VOLTAGE
- FACTORY STANDARD
- FACTORY OPTION
- FIELD INSTALLED
- LOW VOLTAGE
- FACTORY STANDARD
- FIELD INSTALLED
- REPLACEMENT WIRE
- MUST BE THE SAME SIZE AND TYPE
- OF INSULATION AS ORIGINAL (105C. MIN.)
- WARNING
- CABINET MUST BE PERMANENTLY GROUND
- AND CONFORM TO I.E.C., N.E.C., C.E.C.,
- NATIONAL WIRING REGULATIONS, AND LOCAL
- CODES AS APPLICABLE.

### NOTES

- CONNECTORS SUITABLE FOR USE WITH COPPER OR ALUMINUM CONDUCTORS ONLY.
- COMPRESSOR MOTOR THERMALLY PROTECTED ALL 3 PHASE
- PHASE CONDITIONS.
- CONTROL TRANSFORMER PRIMARY LEADS: RED-COM. BLUE-208V, BLACK-230V TRANSFORMER FACTORY WIRING FOR 230 VOLTS ON 208 VOLT OPERATION.
- FACTORY SUPPLIED PIGTAIL.
- LOW VOLTAGE CIRCUIT IS N.E.C. CLASS 2 WITH A CLASS 2
- WIRING FOR 60 HZ FUSED DISCONNECT.
- TO 60 HZ FUSED DISCONNECT.
- MOTOR FACTORY WIRING FOR CORRECT SPEED.
- SEE FUSE LABEL ON UNIT FUSE BOX FOR FUSE SIZING AND
- WIRING FOR 60 HZ FUSED DISCONNECT.
- THE OPTIONAL ECONOMIZER.
- Y2 IS USED ONLY FOR THE OPTIONAL ECONOMIZER.
- REMOVE JUMPER FOR FIELD INSTALLED OCCUPANCY RELAY.

### COMPONENT CODES

- BR BLOWER RELAY
- CC COMPRESSOR CONTACTOR
- CT CONTROL TRANSFORMER
- FT FREEZE STAT
- GL GROUND LUG
- GND GROUND
- HPC HIGH PRESSURE CONTROL
- IBMD INDOOR BLOWER MOTOR DIRECT DRIVE
- LAC LOW AMBIENT COOLING CONTROL
- LPC LOW PRESSURE CONTROL
- OFM OUTDOOR FAN MOTOR
- PL PLUG
- RC RUN CAPACITOR
- TB TERMINAL BLOCK (LOW VOLTAGE)
- TDC TIME DELAY CONTROL
- WN WIRE NUT

### WIRE COLOR CODE

- BK.....BLACK
- BR.....BROWN
- BL.....BLUE
- G.....GREEN
- GY.....GRAY
- O.....ORANGE
- PR.....PURPLE
- R.....RED
- W.....WHITE
- Y.....YELLOW

### ELECTRICAL WIRING DIAGRAM

208 / 230, 3 PHASE  
DIRECT DRIVE  
PACKAGE AIR CONDITIONER

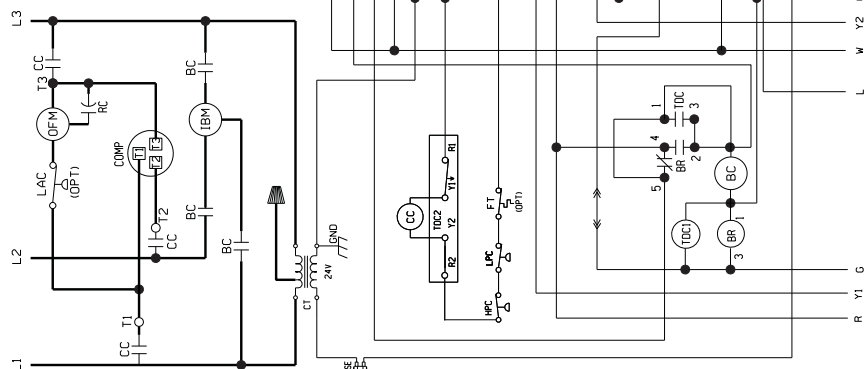
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| APPROVED: | CHECKED:    | ORIGINAL RELEASE |
| MODELED   | MGR         | DATE: 2-11-13    |
| BY:       |             | NO. R-1058S005   |
| PART NO.: | 90-23597-26 | REV: 03          |



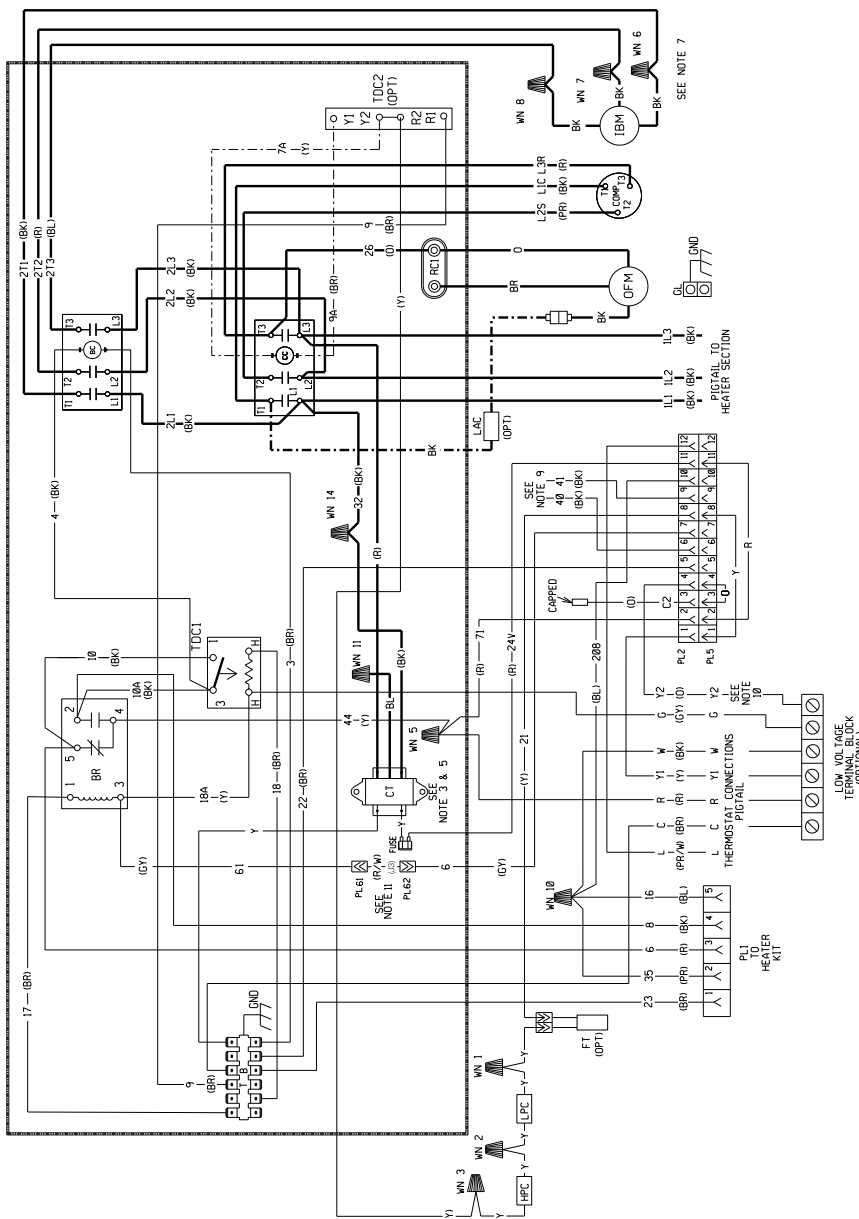




WIRING SCHEMATIC



WIRING DIAGRAM



### WIRING INFORMATION

- LINE VOLTAGE
  - FACTORY STANDARD
  - FACTORY OPTION
  - FIELD INSTALLED
- LOW VOLTAGE
  - FACTORY STANDARD
  - FIELD INSTALLED
- REPLACEMENT WIRE
  - MUST BE THE SAME SIZE AND TYPE
  - OF INSULATION AS ORIGINAL (105C, MIN.)
- WARNING
  - CABINET MUST BE PERMANENTLY GROUNDING
  - AND CONFORM TO I.E.C., N.E.C., C.E.C.,
  - NATIONAL WIRING REGULATIONS, AND LOCAL
  - CODES AS APPLICABLE.

### NOTES

1. CONNECTORS SUITABLE FOR USE WITH COPPER CONDUCTORS ONLY.
2. MODELS ARE PROTECTED UNDER PRIMARY SINGLE PHASE CONDITIONS.
3. CONTROL TRANSFORMER PRIMARY LEADS:
  - REF-COM: BLUE-208V, BLACK-208V, BLACK-RED-480V, BLACK-BLUE-575V.
  - INTERCHANGE BLACK & BLUE LEADS FOR 208 VOLT OPERATION.
  - 5. LOW VOLTAGE CIRCUIT IS N.E.C. CLASS 2 WITH A CLASS 2
  - TRANSFORMER, 24V, 50/60 HZ SUPPLIED.
  - 6. CONDENSER FAN MOTOR IS GROUNDING RAN TIGHT CONDUIT
  - TO 60 HZ FIELD DISCONNECT.
  - 7. MOTOR FACTORY WIRE FOR CORRECT SPEED.
  - 8. SEE FUSE LABEL ON UNIT FUSE BOX FOR FUSE SIZING AND
  - WIRING FOR PL2 & 9) GO TO THE MIXED AIR SENSOR ON
  - THE OPTIONAL ECONOMIZER.
  - 10. Y2 IS USED ONLY FOR THE OPTIONAL ECONOMIZER.
  - 11. REMOVE JUMP WIRE FOR FIELD INSTALLED OCCUPANCY RELAY.

### COMPONENT CODES

- BC BLOWER MOTOR
- BR BLOWER RELAY
- CC COMPRESSOR CONTACTOR
- COMP COMPRESSOR
- CT CONTROL TRANSFORMER
- GL GROUND LUG
- GND GROUND
- HPC HIGH PRESSURE CONTROL
- IBMBD INDOOR BLOWER MOTOR BELT DRIVE
- LAC LOW AMBIENT COOLING CONTROL
- LPC LOW PRESSURE CONTROL
- OFM OUTDOOR FAN MOTOR
- PL PLUG
- FC RUN CAPACITOR
- TB TERMINAL BLOCK (LOW VOLTAGE)
- TDC TIME DELAY CONTROL
- WN WIRE NUT

### WIRE COLOR CODE

- BK.....BLACK
- G.....GREEN
- PR.....PURPLE
- BR.....BROWN
- GY.....GRAY
- R.....RED
- BL.....BLUE
- O.....ORANGE
- W.....WHITE
- Y.....YELLOW

### ELECTRICAL WIRING DIAGRAM

208 / 230 / 460 / 575V, 3 PHASE 60 HZ  
BELT DRIVE  
PACKAGE AIR CONDITIONER

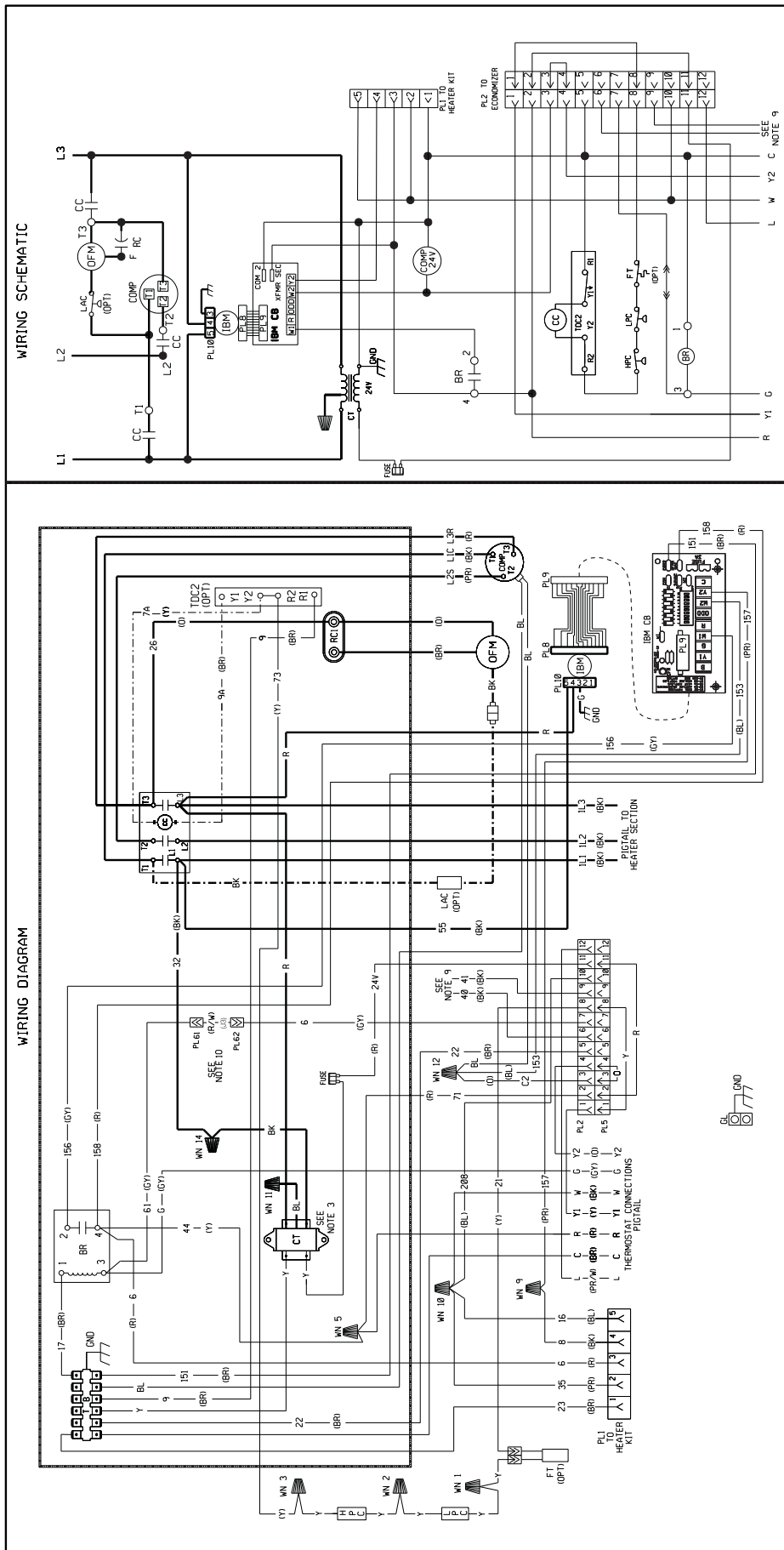
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|-------------|-------------|------------------|
| APPROVED:   | CHECKED:    | ORIGINAL RELEASE |
| MODELED BY: | MGR         | DATE: 2-11-13    |
| BY:         |             | NO.:             |
| PART NO.:   | 90-23597-27 | REV: 03          |







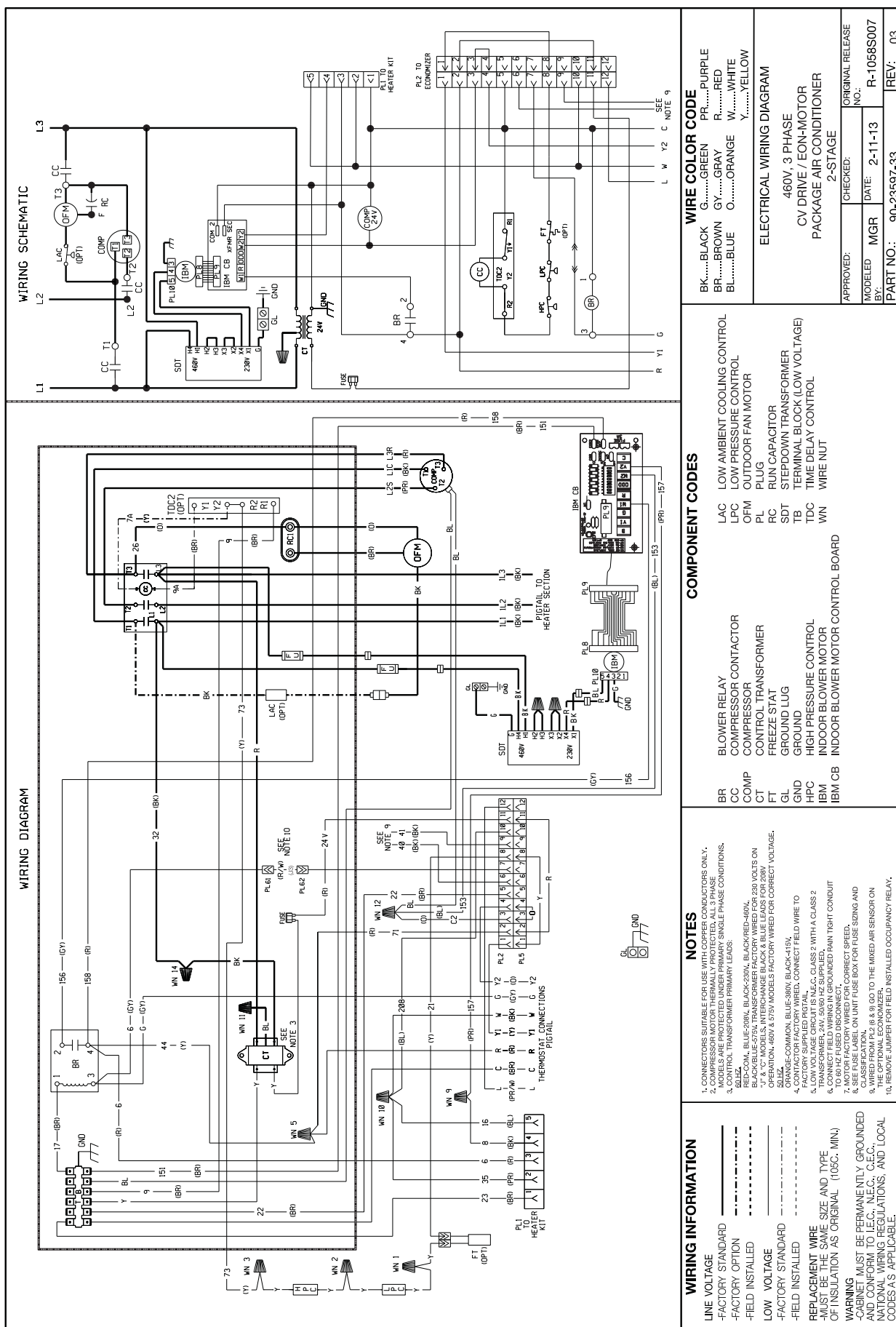




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|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>WIRE COLOR CODE</b></p> <p>BK.....BLACK G.....GREEN PR.....PURPLE<br/>BR.....BROWN GY.....GRAY R.....RED<br/>BL.....BLUE O.....ORANGE W.....WHITE<br/>Y.....YELLOW</p>                                                                                                                                                                                                                                                                                                                                   | <p><b>COMPONENT CODES</b></p> <p>LAC LOW AMBIENT COOLING CONTROL<br/>OPM LOW PRESSURE CONTROL<br/>PLC OUTDOOR FAN MOTOR<br/>PLC PLUG<br/>RC RUN CAPACITOR<br/>TB TERMINAL BLOCK (LOW VOLTAGE)<br/>WD TIME DELAY CONTROL<br/>WN WIRE NUT</p> | <p><b>NOTES</b></p> <p>1. CONNECTORS SUITABLE FOR USE WITH COPPER CONDUCTORS ONLY.<br/>2. MODELS ARE PROTECTED UNDER PRIMARY SINGLE PHASE CONDITIONS.<br/>3. CONTROL TRANSFORMER PRIMARY LEADS:<br/>BLACK/BLUE 5/5% TRANSFORMER FACTORY WIRE FOR 230 VOLTS ON<br/>"J" &amp; "C" MODELS, INTERCHANGE BLACK &amp; BLUE LEADS FOR 208V<br/>SUPPLY.<br/>ORANGE/COMMON, BLUE/BLACK TRANSFORMER FACTORY WIRE TO<br/>4. TRANSFORMER FACTORY WIRE, CONNECT FIELD WIRE TO<br/>TRANSFORMER, 24V, 50/60 HZ SUPPLIED.<br/>5. LOW VOLTAGE CIRCUIT IS N.E.C. CLASS 2 WITH A CLASS 2<br/>CABLE.<br/>6. TRANSFORMER FACTORY WIRE, CONNECT FIELD WIRE TO<br/>TRANSFORMER, 24V, 50/60 HZ SUPPLIED.<br/>7. MOTOR FACTORY WIRE FOR CORRECT SPEED.<br/>8. SEE FUSE LABEL ON UNIT FUSE BOX FOR FUSE SIZING AND CLASSIFICATION.<br/>9. TRANSFORMER FACTORY WIRE, CONNECT FIELD WIRE TO THE TRANSFORMER.<br/>10. REMOVE JUMPER FOR FIELD INSTALLED OCCUPANCY RELAY.</p> |
| <p><b>WIRING INFORMATION</b></p> <p>LINE VOLTAGE _____<br/>-FACTORY STANDARD _____<br/>-FACTORY OPTION _____<br/>-FIELD INSTALLED _____<br/>LOW VOLTAGE _____<br/>-FACTORY STANDARD _____<br/>-FIELD INSTALLED _____</p> <p>REPLACEMENT WIRE<br/>-MUST BE THE SAME SIZE AND TYPE<br/>OF INSULATION AS ORIGINAL (105C, MIN.)</p> <p><b>WARNING</b><br/>-CABINET MUST BE PERMANENTLY GROUNDED<br/>AND CONFORM TO I.E.C., N.E.C., C.E.C.,<br/>NATIONAL WIRING REGULATIONS, AND LOCAL<br/>CODES AS APPLICABLE.</p> | <p><b>ELECTRICAL WIRING DIAGRAM</b></p> <p>208 / 230V, 3 PHASE<br/>CV DRIVE / EON-MOTOR<br/>PACKAGE AIR CONDITIONER<br/>2-STAGE</p>                                                                                                         | <p><b>APPROVED:</b> _____<br/><b>MODELED:</b> MGR<br/><b>BY:</b> _____<br/><b>DATE:</b> 6-26-13<br/><b>ORIGINAL RELEASE NO.:</b> R-1058S011<br/><b>PART NO.:</b> 90-23597-32<br/><b>REV:</b> 03</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |



Air



**BEFORE PURCHASING THIS APPLIANCE, READ IMPORTANT ENERGY COST AND EFFICIENCY INFORMATION AVAILABLE FROM YOUR RETAILER.**

**GENERAL TERMS OF LIMITED WARRANTY\***

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

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

- Conditional Parts (Registration Required)**  
1 Phase, Residential Applications .....Ten (10) Years
- Compressor**  
1 Phase, Residential Applications .....Ten (10) Years  
1 & 3 Phase, Commercial Applications.....Five (5) Years
- Parts**  
1 & 3 Phase, Commercial Applications .....One (1) Year





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