



## Endeavor® Line Achiever® Series iR Residential Packaged Gas Electric Unit



### RGEAYB

Cooling Efficiency: 13.4 SEER2

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

Refrigerant Type: R-454B

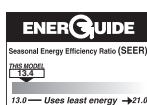


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## FEATURES AND BENEFITS

- **Scroll Compressors on all models:** Provides maximum efficiency and quiet operation.
- **MicroChannel Evaporator and Condenser Coil:** Delivers superior performance with less refrigerant charge and less weight than conventional copper tube/aluminum fin coils. All aluminum construction has superior protection against formicary corrosion and aluminum tube rubbing potential. It is easier to clean and has a more robust surface.
- **Thermal Expansion Valves:** Standard on all models for precise superheat control, reliability, and energy efficiency at all operating conditions.
- **High Pressure Control:** Standard on all models for refrigerant component protection and reliability.
- **Filter Drier:** Standard on all models.
- **100% Factory Run Tested.**
- **PlusOne® Ignition System:** Proven Direct Spark Ignition System (DSI) for reliability and longevity.
- **PlusOne® Refrigerant Detection System™<sup>1</sup>:** An integrated one-box, patented design featuring the A2L sensor and mitigation board, offering easier commissioning with a single component and simplified wiring configuration, compatibility with any 24V thermostat application and system protection by automatically pausing outdoor unit operation – if excess refrigerant is detected.
- **Rugged Base Rail:** For improved installation and handling.
- **Easily Accessible Control Box, Furnace Compartment and Blower Section with Slide-Out Blower.**
- **Slide and Down Discharge Options Available:** All models are shipped ready for horizontal applications.
- **Double Sloped Evaporator Coil Drain Pan:** Assures all water is removed from the unit to improve indoor air quality.
- **Louvered Condenser Compartment:** Protects the coil against yard hazards and/or weather extremes.
- **Supply and Return Air Openings:** Feature a one-inch-tall flange to prevent water migration into the ductwork.
- **Designing for Sustainability with Low GWP:** For 2025, the Environmental Protection Agency (EPA) has set a global warming potential (GWP) limit of 700 for refrigerant used in heating and cooling systems. This new requirement will result in a 78%<sup>2</sup> lower GWP than previous-generation refrigerants with only minimal changes to system installation. For us, this is another step toward our continued sustainability goal of reducing greenhouse gas emissions, while still delivering an exceptional level of energy efficient, dependable comfort.

<sup>1</sup>Factory installed on 3.5, 4 and 5 ton models. For R-454B equipment with a refrigerant charge less than 3.9 lbs (≈1.8 kg or ≈62.6 oz), a refrigerant detection system is not required by the UL 60335-2-40 standard. <sup>2</sup>When comparing the GWP of R-454B to R-410A refrigerant.

Packaged Gas Electric

| <u>R</u> | <u>GE</u>         | <u>A</u>                | <u>Y</u>    | <u>B</u>                   | <u>024</u>                                                                                                                                                   | <u>A</u>       | <u>J</u>                                                      | <u>T</u>            | <u>04</u>                                                             | <u>1</u>                                                                       | <u>N</u>              | <u>A</u>       |
|----------|-------------------|-------------------------|-------------|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|---------------------------------------------------------------|---------------------|-----------------------------------------------------------------------|--------------------------------------------------------------------------------|-----------------------|----------------|
| Brand    | Product Category  | Platform                | Refrigerant | Tier                       | Capacity Btu/h                                                                                                                                               | Major Series   | Voltage                                                       | Drive               | Gas Heat Input                                                        | Gas Heat Configuration                                                         | Control               | Minor Series   |
| R - Ruud | GE - Gas Electric | A- ResiPack Convertible | Y - R-454B  | B - Base Tier (13.4 SEER2) | 024 - 24,000 [7.03 kW]<br>030 - 30,000 [8.79 kW]<br>036 - 36,000 [10.55 kW]<br>042 - 42,000 [12.31 kW]<br>048 - 48,000 [14.07 kW]<br>060 - 60,000 [17.58 kW] | A - 1st Design | J - 1ph, 208/230/60<br>C - 3ph, 208/230/60<br>D - 3ph, 460/60 | T - Constant Torque | 04 - 40k Btu/h<br>06 - 60k Btu/h<br>08 - 80k Btu/h<br>10 - 100k Btu/h | 1 - Single-Stage<br>X - Single-Stage Low NOx<br>U - Single-Stage Ultra Low NOx | N - Non-Communicating | A - 1st Design |

[ ] Designates Metric Conversions

| Available Models         |                          |                          |
|--------------------------|--------------------------|--------------------------|
| Standard                 | Low Nox (40 ng/J)        | Ultra Low Nox (14 ng/J)  |
| RGEAYB024AJT041NA        | RGEAYB024AJT04XNA        | RGEAYB024AJT04UNA        |
| RGEAYB024AJT061NA        | RGEAYB024AJT06XNA        | RGEAYB024AJT06UNA        |
| RGEAYB024AJT081NA        | RGEAYB024AJT08XNA        |                          |
| RGEAYB030ACT041NA        | RGEAYB030ACT04XNA        | RGEAYB030ACT04UNA        |
| RGEAYB030ACT061NA        | RGEAYB030ACT06XNA        | RGEAYB030ACT06UNA        |
| RGEAYB030ACT081NA        | RGEAYB030ACT08XNA        |                          |
| RGEAYB030AJT041NA        | RGEAYB030AJT04XNA        | RGEAYB030AJT04UNA        |
| RGEAYB030AJT061NA        | RGEAYB030AJT06XNA        | RGEAYB030AJT06UNA        |
| RGEAYB030AJT081NA        | RGEAYB030AJT08XNA        |                          |
| RGEAYB036ACT061NA        | RGEAYB036ACT06XNA        | RGEAYB036ACT06UNA        |
| RGEAYB036ACT081NA        | RGEAYB036ACT08XNA        | RGEAYB036ACT08UNA        |
| RGEAYB036ACT101NA        | RGEAYB036ACT10XNA        |                          |
| RGEAYB036ADT061NA        | RGEAYB036ADT06XNA        | RGEAYB036ADT06UNA        |
| RGEAYB036ADT081NA        | RGEAYB036ADT08XNA        | RGEAYB036ADT08UNA        |
| RGEAYB036ADT101NA        | RGEAYB036ADT10XNA        |                          |
| RGEAYB036AJT061NA        | RGEAYB036AJT06XNA        | RGEAYB036AJT06UNA        |
| RGEAYB036AJT081NA        | RGEAYB036AJT08XNA        | RGEAYB036AJT08UNA        |
| RGEAYB036AJT101NA        | RGEAYB036AJT10XNA        |                          |
| RGEAYB042ACT081NA        | RGEAYB042ACT08XNA        | RGEAYB042ACT08UNA        |
| RGEAYB042ACT101NA        | RGEAYB042ACT10XNA        |                          |
| RGEAYB042AJT081NA        | RGEAYB042AJT08XNA        | RGEAYB042AJT08UNA        |
| RGEAYB042AJT101NA        | RGEAYB042AJT10XNA        |                          |
| <b>RGEAYB048ACT081NA</b> | <b>RGEAYB048ACT08XNA</b> | <b>RGEAYB048ACT08UNA</b> |
| <b>RGEAYB048ACT101NA</b> | <b>RGEAYB048ACT10XNA</b> | <b>RGEAYB048ACT10UNA</b> |
| <b>RGEAYB048ADT081NA</b> | <b>RGEAYB048ADT08XNA</b> |                          |
| <b>RGEAYB048ADT101NA</b> | <b>RGEAYB048ADT10XNA</b> | <b>RGEAYB048ADT10UNA</b> |
| <b>RGEAYB048AJT081NA</b> | <b>RGEAYB048AJT08XNA</b> | <b>RGEAYB048AJT08UNA</b> |
| <b>RGEAYB048AJT101NA</b> | <b>RGEAYB048AJT10XNA</b> | <b>RGEAYB048AJT10UNA</b> |
| <b>RGEAYB060ACT081NA</b> | <b>RGEAYB060ACT08XNA</b> |                          |
| <b>RGEAYB060ACT101NA</b> | <b>RGEAYB060ACT10XNA</b> | <b>RGEAYB060ACT10UNA</b> |
| <b>RGEAYB060ADT081NA</b> | <b>RGEAYB060ADT08XNA</b> |                          |
| <b>RGEAYB060ADT101NA</b> | <b>RGEAYB060ADT10XNA</b> | <b>RGEAYB060ADT10UNA</b> |
| <b>RGEAYB060AJT081NA</b> | <b>RGEAYB060AJT08XNA</b> |                          |
| <b>RGEAYB060AJT101NA</b> | <b>RGEAYB060AJT10XNA</b> | <b>RGEAYB060AJT10UNA</b> |

NOTE: **Bold** represents 2-stage cooling models.

INSTRUCTIONS FOR FACTORY INSTALLED OPTION(S) SELECTION

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

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

FACTORY INSTALLED OPTION CODES

| Option Code | Stainless Steel Heat Exchanger |
|-------------|--------------------------------|
| AJA         | x                              |

"x" indicates factory installed option.

Example: RGEAYB036AJT081NA

Example: RGEAYB036AJT081NAAJA

**NOTES:** ULN models standard with Stainless Steel Heat Exchanger

Factory installed economizer is not available.

## NOMINAL SIZES 2-5 TONS [7.0-17.6 kW]

| Model RGEAYB Series                          | 024AJT041/X             | 024AJT04U               | 024AJT061/X             | 024AJT06U               |
|----------------------------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| <b>Cooling Performance<sup>1</sup></b>       |                         |                         |                         | <b>CONTINUED</b> →      |
| Gross Cooling Capacity Btu/h [kW]            | 23,700 [6.95]           | 23,700 [6.95]           | 23,700 [6.95]           | 23,700 [6.95]           |
| EER2/SEER2 <sup>2</sup>                      | 10.6/13.4               | 10.6/13.4               | 10.6/13.4               | 10.6/13.4               |
| Nominal CFM/AHRI Rated CFM [L/s]             | 800/810 [378/382]       | 800/810 [378/382]       | 800/810 [378/382]       | 800/810 [378/382]       |
| AHRI Net Cooling Capacity Btu/h [kW]         | 22,800 [6.68]           | 22,800 [6.68]           | 22,800 [6.68]           | 22,800 [6.68]           |
| Net Sensible Capacity Btu/h [kW]             | 16,600 [4.86]           | 16,600 [4.86]           | 16,600 [4.86]           | 16,600 [4.86]           |
| Net Latent Capacity Btu/h [kW]               | 6,200 [1.82]            | 6,200 [1.82]            | 6,200 [1.82]            | 6,200 [1.82]            |
| Net System Power kW                          | 2.01                    | 2.01                    | 2.01                    | 2.01                    |
| <b>Heating Performance (Gas)<sup>3</sup></b> |                         |                         |                         |                         |
| Heating Input Btu/h [kW]                     | 40,000 [11.72]          | 40,000 [11.72]          | 60,000 [17.58]          | 60,000 [17.58]          |
| Heating Output Btu/h [kW]                    | 32,000 [9.38]           | 32,800 [9.61]           | 48,000 [14.06]          | 49,200 [14.42]          |
| Temperature Rise Range °F [°C]               | 25-55 [13.9-30.6]       | 30-60 [16.7-33.3]       | 40-70 [22.2-38.9]       | 40-70 [22.2-38.9]       |
| AFUE % <sup>4</sup>                          | 81                      | 81                      | 81                      | 81                      |
| Steady State Efficiency (%)                  | 82                      | 82                      | 82                      | 82                      |
| No. Burners                                  | 2                       | 1                       | 3                       | 1                       |
| No. Stages                                   | 1                       | 1                       | 1                       | 1                       |
| Gas Connection Pipe Size in. [mm]            | 0.5 [12.7]              | 0.5 [12.7]              | 0.5 [12.7]              | 0.5 [12.7]              |
| <b>Compressor</b>                            |                         |                         |                         |                         |
| No./Stg/Type                                 | 1/1/Scroll              | 1/1/Scroll              | 1/1/Scroll              | 1/1/Scroll              |
| <b>Outdoor Sound Rating (dB)<sup>5</sup></b> | 77                      | 77                      | 77                      | 77                      |
| <b>Outdoor Coil - Fin Type</b>               | Louvered                | Louvered                | Louvered                | Louvered                |
| Tube Type                                    | MicroChannel            | MicroChannel            | MicroChannel            | MicroChannel            |
| MicroChannel Depth in. [mm]                  | 0.472 [12]              | 0.472 [12]              | 0.472 [12]              | 0.472 [12]              |
| Face Area sq. ft. [sq. m]                    | 7.19 [0.67]             | 7.19 [0.67]             | 7.19 [0.67]             | 7.19 [0.67]             |
| 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 [25.4]                | 1 [25.4]                | 1 [25.4]                | 1 [25.4]                |
| Face Area sq. ft. [sq. m]                    | 3.54 [0.33]             | 3.54 [0.33]             | 3.54 [0.33]             | 3.54 [0.33]             |
| 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]                   | 1/22 [558.8]            | 1/22 [558.8]            | 1/22 [558.8]            | 1/22 [558.8]            |
| Drive Type/No. Speeds                        | Direct/1                | Direct/1                | Direct/1                | Direct/1                |
| CFM [L/s]                                    | 2500 [1180]             | 2500 [1180]             | 2500 [1180]             | 2500 [1180]             |
| 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                                    | 825                     | 825                     | 825                     | 825                     |
| <b>Indoor Fan - Type</b>                     | FC Centrifugal          | FC Centrifugal          | FC Centrifugal          | FC Centrifugal          |
| No. Used/Diameter in. [mm]                   | 1/10x9 [254x229]        | 1/10x9 [254x229]        | 1/10x9 [254x229]        | 1/10x9 [254x229]        |
| Drive Type                                   | Direct                  | Direct                  | Direct                  | Direct                  |
| No. Speeds                                   | Multiple                | Multiple                | Multiple                | Multiple                |
| No. Motors                                   | 1                       | 1                       | 1                       | 1                       |
| Motor HP                                     | 1/3                     | 1/3                     | 1/3                     | 1/3                     |
| Motor RPM                                    | 1050                    | 1050                    | 1050                    | 1050                    |
| Motor Frame Size                             | 48                      | 48                      | 48                      | 48                      |
| <b>Filter - Type</b>                         | Field Supplied          | Field Supplied          | Field Supplied          | Field Supplied          |
| Furnished                                    | No                      | No                      | No                      | No                      |
| (NO.) Size Recommended in. [mm x mm x mm]    | (1)1x24x24 [25x610x610] | (1)1x24x24 [25x610x610] | (1)1x24x24 [25x610x610] | (1)1x24x24 [25x610x610] |
| <b>Refrigerant Charge Oz. [g]</b>            | 38 [1077]               | 38 [1077]               | 38 [1077]               | 38 [1077]               |
| <b>Weights</b>                               |                         |                         |                         |                         |
| Net Weight lbs. [kg]                         | 384 [174]               | 384 [174]               | 389 [176]               | 389 [176]               |
| Ship Weight lbs. [kg]                        | 392 [178]               | 392 [178]               | 397 [180]               | 397 [180]               |

See Page 19 for Notes.

[ ] Designates Metric Conversions

## NOMINAL SIZES 2-5 TONS [7.0-17.6 kW]

| Model RGEAYB Series                          | 024AJT081/X             | 030ACT041/X             | 030ACT04U               | 030ACT061/X             |
|----------------------------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| <b>Cooling Performance<sup>1</sup></b>       |                         |                         |                         | <b>CONTINUED →</b>      |
| Gross Cooling Capacity Btu/h [kW]            | 23,700 [6.95]           | 29,400 [8.61]           | 29,400 [8.61]           | 29,400 [8.61]           |
| EER2/SEER2 <sup>2</sup>                      | 10.6/13.4               | 10.6/13.4               | 10.6/13.4               | 10.6/13.4               |
| Nominal CFM/AHRI Rated CFM [L/s]             | 800/810 [378/382]       | 1000/980 [472/462]      | 1000/980 [472/462]      | 1000/980 [472/462]      |
| AHRI Net Cooling Capacity Btu/h [kW]         | 22,800 [6.68]           | 28,400 [8.32]           | 28,400 [8.32]           | 28,400 [8.32]           |
| Net Sensible Capacity Btu/h [kW]             | 16,600 [4.86]           | 21,100 [6.18]           | 21,100 [6.18]           | 21,100 [6.18]           |
| Net Latent Capacity Btu/h [kW]               | 6,200 [1.82]            | 7,300 [2.14]            | 7,300 [2.14]            | 7,300 [2.14]            |
| Net System Power kW                          | 2.01                    | 2.45                    | 2.45                    | 2.45                    |
| <b>Heating Performance (Gas)<sup>3</sup></b> |                         |                         |                         |                         |
| Heating Input Btu/h [kW]                     | 80,000 [23.44]          | 40,000 [11.72]          | 40,000 [11.72]          | 60,000 [17.58]          |
| Heating Output Btu/h [kW]                    | 65,000 [19.04]          | 32,000 [9.38]           | 32,800 [9.61]           | 48,000 [14.06]          |
| Temperature Rise Range °F [°C]               | 35-65 [19.4-36.1]       | 25-55 [13.9-30.6]       | 30-60 [16.7-33.3]       | 40-70 [22.2-38.9]       |
| AFUE % <sup>4</sup>                          | 81                      | 81                      | 81                      | 81                      |
| Steady State Efficiency (%)                  | 82                      | 82                      | 82                      | 82                      |
| No. Burners                                  | 4                       | 2                       | 1                       | 3                       |
| No. Stages                                   | 1                       | 1                       | 1                       | 1                       |
| Gas Connection Pipe Size in. [mm]            | 0.5 [12.7]              | 0.5 [12.7]              | 0.5 [12.7]              | 0.5 [12.7]              |
| <b>Compressor</b>                            |                         |                         |                         |                         |
| No./Stg/Type                                 | 1/1/Scroll              | 1/1/Scroll              | 1/1/Scroll              | 1/1/Scroll              |
| <b>Outdoor Sound Rating (dB)<sup>5</sup></b> | 77                      | 79                      | 79                      | 79                      |
| <b>Outdoor Coil - Fin Type</b>               | Louvered                | Louvered                | Louvered                | Louvered                |
| Tube Type                                    | MicroChannel            | MicroChannel            | MicroChannel            | MicroChannel            |
| MicroChannel Depth in. [mm]                  | 0.472 [12]              | 0.709 [18]              | 0.709 [18]              | 0.709 [18]              |
| Face Area sq. ft. [sq. m]                    | 7.19 [0.67]             | 7.06 [0.66]             | 7.06 [0.66]             | 7.06 [0.66]             |
| 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 [25.4]                | 1 [25.4]                | 1 [25.4]                | 1 [25.4]                |
| Face Area sq. ft. [sq. m]                    | 3.54 [0.33]             | 3.54 [0.33]             | 3.54 [0.33]             | 3.54 [0.33]             |
| 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]                   | 1/22 [558.8]            | 1/22 [558.8]            | 1/22 [558.8]            | 1/22 [558.8]            |
| Drive Type/No. Speeds                        | Direct/1                | Direct/1                | Direct/1                | Direct/1                |
| CFM [L/s]                                    | 2500 [1180]             | 2400 [1133]             | 2400 [1133]             | 2400 [1133]             |
| 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                                    | 825                     | 825                     | 825                     | 825                     |
| <b>Indoor Fan - Type</b>                     | FC Centrifugal          | FC Centrifugal          | FC Centrifugal          | FC Centrifugal          |
| No. Used/Diameter in. [mm]                   | 1/10x9 [254x229]        | 1/10x9 [254x229]        | 1/10x9 [254x229]        | 1/10x9 [254x229]        |
| Drive Type                                   | Direct                  | Direct                  | Direct                  | Direct                  |
| No. Speeds                                   | Multiple                | Multiple                | Multiple                | Multiple                |
| No. Motors                                   | 1                       | 1                       | 1                       | 1                       |
| Motor HP                                     | 1/3                     | 1/2                     | 1/2                     | 1/2                     |
| Motor RPM                                    | 1050                    | 1050                    | 1050                    | 1050                    |
| Motor Frame Size                             | 48                      | 48                      | 48                      | 48                      |
| <b>Filter - Type</b>                         | Field Supplied          | Field Supplied          | Field Supplied          | Field Supplied          |
| Furnished                                    | No                      | No                      | No                      | No                      |
| (NO.) Size Recommended in. [mm x mm x mm]    | (1)1x24x24 [25x610x610] | (1)1x24x24 [25x610x610] | (1)1x24x24 [25x610x610] | (1)1x24x24 [25x610x610] |
| <b>Refrigerant Charge Oz. [g]</b>            | 38 [1077]               | 46.4[1315]              | 46.4[1315]              | 46.4[1315]              |
| <b>Weights</b>                               |                         |                         |                         |                         |
| Net Weight lbs. [kg]                         | 394 [179]               | 384 [174]               | 384 [174]               | 389 [176]               |
| Ship Weight lbs. [kg]                        | 402 [182]               | 392 [178]               | 392 [178]               | 397 [180]               |

See Page 19 for Notes.

[ ] Designates Metric Conversions

## NOMINAL SIZES 2-5 TONS [7.0-17.6 kW]

| Model RGEAYB Series                          | 030ACT06U               | 030ACT081/X             | 030AJT041/X             | 030AJT04U               |
|----------------------------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| <b>Cooling Performance<sup>1</sup></b>       |                         |                         |                         | <b>CONTINUED</b> →      |
| Gross Cooling Capacity Btu/h [kW]            | 29,400 [8.61]           | 29,400 [8.61]           | 29,400 [8.61]           | 29,400 [8.61]           |
| EER2/SEER2 <sup>2</sup>                      | 10.6/13.4               | 10.6/13.4               | 10.6/13.4               | 10.6/13.4               |
| Nominal CFM/AHRI Rated CFM [L/s]             | 1000/980 [472/462]      | 1000/980 [472/462]      | 1000/980 [472/462]      | 1000/980 [472/462]      |
| AHRI Net Cooling Capacity Btu/h [kW]         | 28,400 [8.32]           | 28,400 [8.32]           | 28,400 [8.32]           | 28,400 [8.32]           |
| Net Sensible Capacity Btu/h [kW]             | 21,100 [6.18]           | 21,100 [6.18]           | 21,100 [6.18]           | 21,100 [6.18]           |
| Net Latent Capacity Btu/h [kW]               | 7,300 [2.14]            | 7,300 [2.14]            | 7,300 [2.14]            | 7,300 [2.14]            |
| Net System Power kW                          | 2.45                    | 2.45                    | 2.45                    | 2.45                    |
| <b>Heating Performance (Gas)<sup>3</sup></b> |                         |                         |                         |                         |
| Heating Input Btu/h [kW]                     | 60,000 [17.58]          | 80,000 [23.44]          | 40,000 [11.72]          | 40,000 [11.72]          |
| Heating Output Btu/h [kW]                    | 49,200 [14.42]          | 65,000 [19.04]          | 32,000 [9.38]           | 32,800 [9.61]           |
| Temperature Rise Range °F [°C]               | 40-70 [22.2-38.9]       | 35-65 [19.4-36.1]       | 25-55 [13.9-30.6]       | 30-60 [16.7-33.3]       |
| AFUE % <sup>4</sup>                          | 81                      | 81                      | 81                      | 81                      |
| Steady State Efficiency (%)                  | 82                      | 82                      | 82                      | 82                      |
| No. Burners                                  | 1                       | 4                       | 2                       | 1                       |
| No. Stages                                   | 1                       | 1                       | 1                       | 1                       |
| Gas Connection Pipe Size in. [mm]            | 0.5 [12.7]              | 0.5 [12.7]              | 0.5 [12.7]              | 0.5 [12.7]              |
| <b>Compressor</b>                            |                         |                         |                         |                         |
| No./Stg/Type                                 | 1/1/Scroll              | 1/1/Scroll              | 1/1/Scroll              | 1/1/Scroll              |
| <b>Outdoor Sound Rating (dB)<sup>5</sup></b> | 79                      | 79                      | 79                      | 79                      |
| <b>Outdoor Coil - Fin Type</b>               | Louvered                | Louvered                | Louvered                | Louvered                |
| Tube Type                                    | MicroChannel            | MicroChannel            | MicroChannel            | MicroChannel            |
| MicroChannel Depth in. [mm]                  | 0.709 [18]              | 0.709 [18]              | 0.709 [18]              | 0.709 [18]              |
| Face Area sq. ft. [sq. m]                    | 7.06 [0.66]             | 7.06 [0.66]             | 7.06 [0.66]             | 7.06 [0.66]             |
| 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 [25.4]                | 1 [25.4]                | 1 [25.4]                | 1 [25.4]                |
| Face Area sq. ft. [sq. m]                    | 3.54 [0.33]             | 3.54 [0.33]             | 3.54 [0.33]             | 3.54 [0.33]             |
| 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]                   | 1/22 [558.8]            | 1/22 [558.8]            | 1/22 [558.8]            | 1/22 [558.8]            |
| Drive Type/No. Speeds                        | Direct/1                | Direct/1                | Direct/1                | Direct/1                |
| CFM [L/s]                                    | 2400 [1133]             | 2400 [1133]             | 2400 [1133]             | 2400 [1133]             |
| 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                                    | 825                     | 825                     | 825                     | 825                     |
| <b>Indoor Fan - Type</b>                     | FC Centrifugal          | FC Centrifugal          | FC Centrifugal          | FC Centrifugal          |
| No. Used/Diameter in. [mm]                   | 1/10x9 [254x229]        | 1/10x9 [254x229]        | 1/10x9 [254x229]        | 1/10x9 [254x229]        |
| Drive Type                                   | Direct                  | Direct                  | Direct                  | Direct                  |
| No. Speeds                                   | Multiple                | Multiple                | Multiple                | Multiple                |
| No. Motors                                   | 1                       | 1                       | 1                       | 1                       |
| Motor HP                                     | 1/2                     | 1/2                     | 1/2                     | 1/2                     |
| Motor RPM                                    | 1050                    | 1050                    | 1050                    | 1050                    |
| Motor Frame Size                             | 48                      | 48                      | 48                      | 48                      |
| <b>Filter - Type</b>                         | Field Supplied          | Field Supplied          | Field Supplied          | Field Supplied          |
| Furnished                                    | No                      | No                      | No                      | No                      |
| (NO.) Size Recommended in. [mm x mm x mm]    | (1)1x24x24 [25x610x610] | (1)1x24x24 [25x610x610] | (1)1x24x24 [25x610x610] | (1)1x24x24 [25x610x610] |
| <b>Refrigerant Charge Oz. [g]</b>            | 46.4 [1315]             | 46.4 [1315]             | 46.4 [1315]             | 46.4 [1315]             |
| <b>Weights</b>                               |                         |                         |                         |                         |
| Net Weight lbs. [kg]                         | 389 [176]               | 394 [179]               | 384 [174]               | 384 [174]               |
| Ship Weight lbs. [kg]                        | 397 [180]               | 402 [182]               | 392 [178]               | 392 [178]               |

See Page 19 for Notes.

[ ] Designates Metric Conversions

**NOMINAL SIZES 2-5 TONS [7.0-17.6 kW]**

| Model RGEAYB Series                          | 030AJT061/X             | 030AJT06U               | 030AJT081/X             | 036ACT061/X             |
|----------------------------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| <b>Cooling Performance<sup>1</sup></b>       |                         |                         |                         | <b>CONTINUED →</b>      |
| Gross Cooling Capacity Btu/h [kW]            | 29,400 [8.61]           | 29,400 [8.61]           | 29,400 [8.61]           | 35,200 [10.31]          |
| EER2/SEER2 <sup>2</sup>                      | 10.6/13.4               | 10.6/13.4               | 10.6/13.4               | 10.6/13.4               |
| Nominal CFM/AHRI Rated CFM [L/s]             | 1000/980 [472/462]      | 1000/980 [472/462]      | 1000/980 [472/462]      | 1200/1180 [566/557]     |
| AHRI Net Cooling Capacity Btu/h [kW]         | 28,400 [8.32]           | 28,400 [8.32]           | 28,400 [8.32]           | 34,200 [10.02]          |
| Net Sensible Capacity Btu/h [kW]             | 21,100 [6.18]           | 21,100 [6.18]           | 21,100 [6.18]           | 25,100 [7.35]           |
| Net Latent Capacity Btu/h [kW]               | 7,300 [2.14]            | 7,300 [2.14]            | 7,300 [2.14]            | 9,100 [2.67]            |
| Net System Power kW                          | 2.45                    | 2.45                    | 2.45                    | 2.8                     |
| <b>Heating Performance (Gas)<sup>3</sup></b> |                         |                         |                         |                         |
| Heating Input Btu/h [kW]                     | 60,000 [17.58]          | 60,000 [17.58]          | 80,000 [23.44]          | 60,000 [17.58]          |
| Heating Output Btu/h [kW]                    | 48,000 [14.06]          | 49,200 [14.42]          | 65,000 [19.04]          | 48,000 [14.06]          |
| Temperature Rise Range °F [°C]               | 40-70 [22.2-38.9]       | 40-70 [22.2-38.9]       | 35-65 [19.4-36.1]       | 40-70 [22.2-38.9]       |
| AFUE % <sup>4</sup>                          | 81                      | 81                      | 81                      | 81                      |
| Steady State Efficiency (%)                  | 82                      | 82                      | 82                      | 82                      |
| No. Burners                                  | 3                       | 1                       | 4                       | 3                       |
| No. Stages                                   | 1                       | 1                       | 1                       | 1                       |
| Gas Connection Pipe Size in. [mm]            | 0.5 [12.7]              | 0.5 [12.7]              | 0.5 [12.7]              | 0.5 [12.7]              |
| <b>Compressor</b>                            |                         |                         |                         |                         |
| No./Stg/Type                                 | 1/1/Scroll              | 1/1/Scroll              | 1/1/Scroll              | 1/1/Scroll              |
| <b>Outdoor Sound Rating (dB)<sup>5</sup></b> | 79                      | 79                      | 79                      | 75                      |
| <b>Outdoor Coil - Fin Type</b>               | Louvered                | Louvered                | Louvered                | Louvered                |
| Tube Type                                    | MicroChannel            | MicroChannel            | MicroChannel            | MicroChannel            |
| MicroChannel Depth in. [mm]                  | 0.709 [18]              | 0.709 [18]              | 0.709 [18]              | 0.709 [18]              |
| Face Area sq. ft. [sq. m]                    | 7.06 [0.66]             | 7.06 [0.66]             | 7.06 [0.66]             | 9.78 [0.91]             |
| 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 [25.4]                | 1 [25.4]                | 1 [25.4]                | 1 [25.4]                |
| Face Area sq. ft. [sq. m]                    | 3.54 [0.33]             | 3.54 [0.33]             | 3.54 [0.33]             | 3.54 [0.33]             |
| 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]                   | 1/22 [558.8]            | 1/22 [558.8]            | 1/22 [558.8]            | 1/22 [558.8]            |
| Drive Type/No. Speeds                        | Direct/1                | Direct/1                | Direct/1                | Direct/1                |
| CFM [L/s]                                    | 2400 [1133]             | 2400 [1133]             | 2400 [1133]             | 3250 [1534]             |
| 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                                    | 825                     | 825                     | 825                     | 825                     |
| <b>Indoor Fan - Type</b>                     | FC Centrifugal          | FC Centrifugal          | FC Centrifugal          | FC Centrifugal          |
| No. Used/Diameter in. [mm]                   | 1/10x9 [254x229]        | 1/10x9 [254x229]        | 1/10x9 [254x229]        | 1/12x9 [305x229]        |
| Drive Type                                   | Direct                  | Direct                  | Direct                  | Direct                  |
| No. Speeds                                   | Multiple                | Multiple                | Multiple                | Multiple                |
| No. Motors                                   | 1                       | 1                       | 1                       | 1                       |
| Motor HP                                     | 1/2                     | 1/2                     | 1/2                     | 1                       |
| Motor RPM                                    | 1050                    | 1050                    | 1050                    | 1050                    |
| Motor Frame Size                             | 48                      | 48                      | 48                      | 48                      |
| <b>Filter - Type</b>                         | Field Supplied          | Field Supplied          | Field Supplied          | Field Supplied          |
| Furnished                                    | No                      | No                      | No                      | No                      |
| (NO.) Size Recommended in. [mm x mm x mm]    | (1)1x24x24 [25x610x610] | (1)1x24x24 [25x610x610] | (1)1x24x24 [25x610x610] | (1)1x24x24 [25x610x610] |
| <b>Refrigerant Charge Oz. [g]</b>            | 46.4 [1315]             | 46.4 [1315]             | 46.4 [1315]             | 48 [1361]               |
| <b>Weights</b>                               |                         |                         |                         |                         |
| Net Weight lbs. [kg]                         | 389 [176]               | 389 [176]               | 394 [179]               | 398 [181]               |
| Ship Weight lbs. [kg]                        | 397 [180]               | 397 [180]               | 402 [182]               | 406 [184]               |

See Page 19 for Notes.

[ ] Designates Metric Conversions

## NOMINAL SIZES 2-5 TONS [7.0-17.6 kW]

| Model RGEAYB Series                          | 036ACT06U               | 036ADT06U               | 036ADT081/X             | 036ADT08U               |
|----------------------------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| <b>Cooling Performance<sup>1</sup></b>       |                         |                         |                         | <b>CONTINUED</b> →      |
| Gross Cooling Capacity Btu/h [kW]            | 35,200 [10.31]          | 35,200 [10.31]          | 35,200 [10.31]          | 35,200 [10.31]          |
| EER2/SEER2 <sup>2</sup>                      | 10.6/13.4               | 10.6/13.4               | 10.6/13.4               | 10.6/13.4               |
| Nominal CFM/AHRI Rated CFM [L/s]             | 1200/1180 [566/557]     | 1200/1180 [566/557]     | 1200/1180 [566/557]     | 1200/1180 [566/557]     |
| AHRI Net Cooling Capacity Btu/h [kW]         | 34,200 [10.02]          | 34,200 [10.02]          | 34,200 [10.02]          | 34,200 [10.02]          |
| Net Sensible Capacity Btu/h [kW]             | 25,100 [7.35]           | 25,100 [7.35]           | 25,100 [7.35]           | 25,100 [7.35]           |
| Net Latent Capacity Btu/h [kW]               | 9,100 [2.67]            | 9,100 [2.67]            | 9,100 [2.67]            | 9,100 [2.67]            |
| Net System Power kW                          | 2.80                    | 2.80                    | 2.80                    | 2.80                    |
| <b>Heating Performance (Gas)<sup>3</sup></b> |                         |                         |                         |                         |
| Heating Input Btu/h [kW]                     | 60,000 [17.58]          | 60,000 [17.58]          | 80,000 [23.44]          | 80,000 [23.44]          |
| Heating Output Btu/h [kW]                    | 49,200 [14.42]          | 49,200 [14.42]          | 65,000 [19.04]          | 65,600 [19.22]          |
| Temperature Rise Range °F [°C]               | 40-70 [22.2-38.9]       | 40-70 [22.2-38.9]       | 35-65 [19.4-36.1]       | 40-70 [22.2-38.9]       |
| AFUE % <sup>4</sup>                          | 81                      | 81                      | 81                      | 81                      |
| Steady State Efficiency (%)                  | 82                      | 82                      | 82                      | 82                      |
| No. Burners                                  | 1                       | 1                       | 4                       | 1                       |
| No. Stages                                   | 1                       | 1                       | 1                       | 1                       |
| Gas Connection Pipe Size in. [mm]            | 0.5 [12.7]              | 0.5 [12.7]              | 0.5 [12.7]              | 0.5 [12.7]              |
| <b>Compressor</b>                            |                         |                         |                         |                         |
| No./Stg/Type                                 | 1/1/Scroll              | 1/1/Scroll              | 1/1/Scroll              | 1/1/Scroll              |
| <b>Outdoor Sound Rating (dB)<sup>5</sup></b> | 75                      | 75                      | 75                      | 75                      |
| <b>Outdoor Coil - Fin Type</b>               | Louvered                | Louvered                | Louvered                | Louvered                |
| Tube Type                                    | MicroChannel            | MicroChannel            | MicroChannel            | MicroChannel            |
| MicroChannel Depth in. [mm]                  | 0.709 [18]              | 0.709 [18]              | 0.709 [18]              | 0.709 [18]              |
| Face Area sq. ft. [sq. m]                    | 9.78 [0.91]             | 9.78 [0.91]             | 9.78 [0.91]             | 9.78 [0.91]             |
| 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 [25.4]                | 1 [25.4]                | 1 [25.4]                | 1 [25.4]                |
| Face Area sq. ft. [sq. m]                    | 3.54 [0.33]             | 3.54 [0.33]             | 3.54 [0.33]             | 3.54 [0.33]             |
| 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]                   | 1/22 [558.8]            | 1/22 [558.8]            | 1/22 [558.8]            | 1/22 [558.8]            |
| Drive Type/No. Speeds                        | Direct/1                | Direct/1                | Direct/1                | Direct/1                |
| CFM [L/s]                                    | 3250 [1534]             | 3250 [1534]             | 3250 [1534]             | 3250 [1534]             |
| 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                                    | 825                     | 825                     | 825                     | 825                     |
| <b>Indoor Fan - Type</b>                     | FC Centrifugal          | FC Centrifugal          | FC Centrifugal          | FC Centrifugal          |
| No. Used/Diameter in. [mm]                   | 1/12x9 [305x229]        | 1/12x9 [305x229]        | 1/12x9 [305x229]        | 1/12x9 [305x229]        |
| Drive Type                                   | Direct                  | Direct                  | Direct                  | Direct                  |
| No. Speeds                                   | Multiple                | Multiple                | Multiple                | Multiple                |
| No. Motors                                   | 1                       | 1                       | 1                       | 1                       |
| Motor HP                                     | 1                       | 1                       | 1                       | 1                       |
| Motor RPM                                    | 1050                    | 1050                    | 1050                    | 1050                    |
| Motor Frame Size                             | 48                      | 48                      | 48                      | 48                      |
| <b>Filter - Type</b>                         | Field Supplied          | Field Supplied          | Field Supplied          | Field Supplied          |
| Furnished                                    | No                      | No                      | No                      | No                      |
| (NO.) Size Recommended in. [mm x mm x mm]    | (1)1x24x24 [25x610x610] | (1)1x24x24 [25x610x610] | (1)1x24x24 [25x610x610] | (1)1x24x24 [25x610x610] |
| <b>Refrigerant Charge Oz. [g]</b>            | 48 [1361]               | 48 [1361]               | 48 [1361]               | 48 [1361]               |
| <b>Weights</b>                               |                         |                         |                         |                         |
| Net Weight lbs. [kg]                         | 398 [181]               | 398 [181]               | 403 [183]               | 403 [183]               |
| Ship Weight lbs. [kg]                        | 406 [184]               | 406 [184]               | 411 [186]               | 411 [186]               |

See Page 19 for Notes.

[ ] Designates Metric Conversions

## NOMINAL SIZES 2-5 TONS [7.0-17.6 kW]

| Model RGEAYB Series                          | 036ADT101/X             | 036AJT061/X             | 036AJT06U               | 036AJT081/X             |
|----------------------------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| <b>Cooling Performance<sup>1</sup></b>       |                         |                         |                         | <b>CONTINUED →</b>      |
| Gross Cooling Capacity Btu/h [kW]            | 35,200 [10.31]          | 35,200 [10.31]          | 35,200 [10.31]          | 35,200 [10.31]          |
| EER2/SEER2 <sup>2</sup>                      | 10.6/13.4               | 10.6/13.4               | 10.6/13.4               | 10.6/13.4               |
| Nominal CFM/AHRI Rated CFM [L/s]             | 1200/1180 [566/557]     | 1200/1180 [566/557]     | 1200/1180 [566/557]     | 1200/1180 [566/557]     |
| AHRI Net Cooling Capacity Btu/h [kW]         | 34,200 [10.02]          | 34,200 [10.02]          | 34,200 [10.02]          | 34,200 [10.02]          |
| Net Sensible Capacity Btu/h [kW]             | 25,100 [7.35]           | 24,900 [7.3]            | 24,900 [7.3]            | 24,900 [7.3]            |
| Net Latent Capacity Btu/h [kW]               | 9,100 [2.67]            | 9,300 [2.72]            | 9,300 [2.72]            | 9,300 [2.72]            |
| Net System Power kW                          | 2.80                    | 2.80                    | 2.80                    | 2.80                    |
| <b>Heating Performance (Gas)<sup>3</sup></b> |                         |                         |                         |                         |
| Heating Input Btu/h [kW]                     | 100,000 [29.3]          | 60,000 [17.58]          | 60,000 [17.58]          | 80,000 [23.44]          |
| Heating Output Btu/h [kW]                    | 81,000 [23.73]          | 48,000 [14.06]          | 49,200 [14.42]          | 65,000 [19.04]          |
| Temperature Rise Range °F [°C]               | 45-75 [25-41.7]         | 40-70 [22.2-38.9]       | 40-70 [22.2-38.9]       | 35-65 [19.4-36.1]       |
| AFUE % <sup>4</sup>                          | 81                      | 81                      | 81                      | 81                      |
| Steady State Efficiency (%)                  | 82                      | 82                      | 82                      | 82                      |
| No. Burners                                  | 5                       | 3                       | 1                       | 4                       |
| No. Stages                                   | 1                       | 1                       | 1                       | 1                       |
| Gas Connection Pipe Size in. [mm]            | 0.5 [12.7]              | 0.5 [12.7]              | 0.5 [12.7]              | 0.5 [12.7]              |
| <b>Compressor</b>                            |                         |                         |                         |                         |
| No./Stg/Type                                 | 1/1/Scroll              | 1/1/Scroll              | 1/1/Scroll              | 1/1/Scroll              |
| <b>Outdoor Sound Rating (dB)<sup>5</sup></b> | 75                      | 75                      | 75                      | 75                      |
| <b>Outdoor Coil - Fin Type</b>               | Louvered                | Louvered                | Louvered                | Louvered                |
| Tube Type                                    | MicroChannel            | MicroChannel            | MicroChannel            | MicroChannel            |
| MicroChannel Depth in. [mm]                  | 0.709 [18]              | 0.709 [18]              | 0.709 [18]              | 0.709 [18]              |
| Face Area sq. ft. [sq. m]                    | 9.78 [0.91]             | 9.78 [0.91]             | 9.78 [0.91]             | 9.78 [0.91]             |
| 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 [25.4]                | 1 [25.4]                | 1 [25.4]                | 1 [25.4]                |
| Face Area sq. ft. [sq. m]                    | 3.54 [0.33]             | 3.54 [0.33]             | 3.54 [0.33]             | 3.54 [0.33]             |
| 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]                   | 1/22 [558.8]            | 1/22 [558.8]            | 1/22 [558.8]            | 1/22 [558.8]            |
| Drive Type/No. Speeds                        | Direct/1                | Direct/1                | Direct/1                | Direct/1                |
| CFM [L/s]                                    | 3250 [1534]             | 3250 [1534]             | 3250 [1534]             | 3250 [1534]             |
| 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                                    | 825                     | 825                     | 825                     | 825                     |
| <b>Indoor Fan - Type</b>                     | FC Centrifugal          | FC Centrifugal          | FC Centrifugal          | FC Centrifugal          |
| No. Used/Diameter in. [mm]                   | 1/12x9 [305x229]        | 1/12x9 [305x229]        | 1/12x9 [305x229]        | 1/12x9 [305x229]        |
| Drive Type                                   | Direct                  | Direct                  | Direct                  | Direct                  |
| No. Speeds                                   | Multiple                | Multiple                | Multiple                | Multiple                |
| No. Motors                                   | 1                       | 1                       | 1                       | 1                       |
| Motor HP                                     | 1                       | 1                       | 1                       | 1                       |
| Motor RPM                                    | 1050                    | 1050                    | 1050                    | 1050                    |
| Motor Frame Size                             | 48                      | 48                      | 48                      | 48                      |
| <b>Filter - Type</b>                         | Field Supplied          | Field Supplied          | Field Supplied          | Field Supplied          |
| Furnished                                    | No                      | No                      | No                      | No                      |
| (NO.) Size Recommended in. [mm x mm x mm]    | (1)1x24x24 [25x610x610] | (1)1x24x24 [25x610x610] | (1)1x24x24 [25x610x610] | (1)1x24x24 [25x610x610] |
| <b>Refrigerant Charge Oz. [g]</b>            | 48 [1361]               | 48 [1361]               | 48 [1361]               | 48 [1361]               |
| <b>Weights</b>                               |                         |                         |                         |                         |
| Net Weight lbs. [kg]                         | 408 [185]               | 398 [181]               | 398 [181]               | 403 [183]               |
| Ship Weight lbs. [kg]                        | 416 [189]               | 406 [184]               | 406 [184]               | 411 [186]               |

See Page 19 for Notes.

[ ] Designates Metric Conversions

## NOMINAL SIZES 2-5 TONS [7.0-17.6 kW]

| Model RGEAYB Series                          | 036AJT08U               | 036AJT101/X             | 042ACT081/X             | 042ACT08U               |
|----------------------------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| <b>Cooling Performance<sup>1</sup></b>       |                         |                         |                         | <b>CONTINUED</b> →      |
| Gross Cooling Capacity Btu/h [kW]            | 35,200 [10.31]          | 35,200 [10.31]          | 42,000 [12.31]          | 42,000 [12.31]          |
| EER2/SEER2 <sup>2</sup>                      | 10.6/13.4               | 10.6/13.4               | 10.6/13.4               | 10.6/13.4               |
| Nominal CFM/AHRI Rated CFM [L/s]             | 1200/1180 [566/557]     | 1200/1180 [566/557]     | 1400/1510 [661/713]     | 1400/1510 [661/713]     |
| AHRI Net Cooling Capacity Btu/h [kW]         | 34,200 [10.02]          | 34,200 [10.02]          | 40,000 [11.72]          | 40,000 [11.72]          |
| Net Sensible Capacity Btu/h [kW]             | 24,900 [7.3]            | 24,900 [7.3]            | 30,000 [8.79]           | 30,000 [8.79]           |
| Net Latent Capacity Btu/h [kW]               | 9,300 [2.72]            | 9,300 [2.72]            | 10,000 [2.93]           | 10,000 [2.93]           |
| Net System Power kW                          | 2.80                    | 2.80                    | 3.40                    | 3.40                    |
| <b>Heating Performance (Gas)<sup>3</sup></b> |                         |                         |                         |                         |
| Heating Input Btu/h [kW]                     | 80,000 [23.44]          | 100,000 [29.3]          | 80,000 [23.44]          | 80,000 [23.44]          |
| Heating Output Btu/h [kW]                    | 65,600 [19.22]          | 81,000 [23.73]          | 65,000 [19.04]          | 65,600 [19.22]          |
| Temperature Rise Range °F [°C]               | 40-70 [22.2-38.9]       | 45-75 [25-41.7]         | 35-65 [19.4-36.1]       | 40-70 [22.2-38.9]       |
| AFUE % <sup>4</sup>                          | 81                      | 81                      | 81                      | 81                      |
| Steady State Efficiency (%)                  | 82                      | 82                      | 82                      | 82                      |
| No. Burners                                  | 1                       | 5                       | 4                       | 1                       |
| No. Stages                                   | 1                       | 1                       | 1                       | 1                       |
| Gas Connection Pipe Size in. [mm]            | 0.5 [12.7]              | 0.5 [12.7]              | 0.5 [12.7]              | 0.5 [12.7]              |
| <b>Compressor</b>                            |                         |                         |                         |                         |
| No./Stg/Type                                 | 1/1/Scroll              | 1/1/Scroll              | 1/1/Scroll              | 1/1/Scroll              |
| <b>Outdoor Sound Rating (dB)<sup>5</sup></b> | 75                      | 75                      | 77                      | 77                      |
| <b>Outdoor Coil - Fin Type</b>               | Louvered                | Louvered                | Louvered                | Louvered                |
| Tube Type                                    | MicroChannel            | MicroChannel            | MicroChannel            | MicroChannel            |
| MicroChannel Depth in. [mm]                  | 0.709 [18]              | 0.709 [18]              | 0.709 [18]              | 0.709 [18]              |
| Face Area sq. ft. [sq. m]                    | 9.78 [0.91]             | 9.78 [0.91]             | 16.18 [1.5]             | 16.18 [1.5]             |
| 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 [25.4]                | 1 [25.4]                | 1.26 [32]               | 1.26 [32]               |
| Face Area sq. ft. [sq. m]                    | 3.54 [0.33]             | 3.54 [0.33]             | 3.98 [0.37]             | 3.98 [0.37]             |
| 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]                   | 1/22 [558.8]            | 1/22 [558.8]            | 1/22 [558.8]            | 1/22 [558.8]            |
| Drive Type/No. Speeds                        | Direct/1                | Direct/1                | Direct/1                | Direct/1                |
| CFM [L/s]                                    | 3250 [1534]             | 3250 [1534]             | 4300 [2029]             | 4300 [2029]             |
| 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                                    | 825                     | 825                     | 1050                    | 1050                    |
| <b>Indoor Fan - Type</b>                     | FC Centrifugal          | FC Centrifugal          | FC Centrifugal          | FC Centrifugal          |
| No. Used/Diameter in. [mm]                   | 1/12x9 [305x229]        | 1/12x9 [305x229]        | 1/12x9 [305x229]        | 1/12x9 [305x229]        |
| Drive Type                                   | Direct                  | Direct                  | Direct                  | Direct                  |
| No. Speeds                                   | Multiple                | Multiple                | Multiple                | Multiple                |
| No. Motors                                   | 1                       | 1                       | 1                       | 1                       |
| Motor HP                                     | 1                       | 1                       | 3/4                     | 3/4                     |
| Motor RPM                                    | 1050                    | 1050                    | 1050                    | 1050                    |
| Motor Frame Size                             | 48                      | 48                      | 48                      | 48                      |
| <b>Filter - Type</b>                         | Field Supplied          | Field Supplied          | Field Supplied          | Field Supplied          |
| Furnished                                    | No                      | No                      | No                      | No                      |
| (NO.) Size Recommended in. [mm x mm x mm]    | (1)1x24x24 [25x610x610] | (1)1x24x24 [25x610x610] | (1)1x24x24 [25x610x610] | (1)1x24x24 [25x610x610] |
| <b>Refrigerant Charge Oz. [g]</b>            | 48 [1361]               | 48 [1361]               | 69.3 [1965]             | 69.3 [1965]             |
| <b>Weights</b>                               |                         |                         |                         |                         |
| Net Weight lbs. [kg]                         | 403 [183]               | 408 [185]               | 468 [212]               | 468 [212]               |
| Ship Weight lbs. [kg]                        | 411 [186]               | 416 [189]               | 476 [216]               | 476 [216]               |

See Page 19 for Notes.

[ ] Designates Metric Conversions

**NOMINAL SIZES 2-5 TONS [7.0-17.6 kW]**

| Model RGEAYB Series                          | 042ACT101/X             | 042AJT081/X             | 042AJT08U               | 042AJT101/X             |
|----------------------------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| <b>Cooling Performance<sup>1</sup></b>       |                         |                         |                         | <b>CONTINUED →</b>      |
| Gross Cooling Capacity Btu/h [kW]            | 42,000 [12.31]          | 42,000 [12.31]          | 42,000 [12.31]          | 42,000 [12.31]          |
| EER2/SEER2 <sup>2</sup>                      | 10.6/13.4               | 10.6/13.4               | 10.6/13.4               | 10.6/13.4               |
| Nominal CFM/AHRI Rated CFM [L/s]             | 1400/1510 [661/713]     | 1400/1510 [661/713]     | 1400/1510 [661/713]     | 1400/1510 [661/713]     |
| AHRI Net Cooling Capacity Btu/h [kW]         | 40,000 [11.72]          | 40,000 [11.72]          | 40,000 [11.72]          | 40,000 [11.72]          |
| Net Sensible Capacity Btu/h [kW]             | 30,000 [8.79]           | 30,000 [8.79]           | 30,000 [8.79]           | 30,000 [8.79]           |
| Net Latent Capacity Btu/h [kW]               | 10,000 [2.93]           | 10,000 [2.93]           | 10,000 [2.93]           | 10,000 [2.93]           |
| Net System Power kW                          | 3.40                    | 3.40                    | 3.40                    | 3.40                    |
| <b>Heating Performance (Gas)<sup>3</sup></b> |                         |                         |                         |                         |
| Heating Input Btu/h [kW]                     | 100,000 [29.3]          | 80,000 [23.44]          | 80,000 [23.44]          | 100,000 [29.3]          |
| Heating Output Btu/h [kW]                    | 81,000 [23.73]          | 65,000 [19.04]          | 65,600 [19.22]          | 81,000 [23.73]          |
| Temperature Rise Range °F [°C]               | 45-75 [25-41.7]         | 35-65 [19.4-36.1]       | 40-70 [22.2-38.9]       | 45-75 [25-41.7]         |
| AFUE % <sup>4</sup>                          | 81                      | 81                      | 81                      | 81                      |
| Steady State Efficiency (%)                  | 82                      | 82                      | 82                      | 82                      |
| No. Burners                                  | 5                       | 4                       | 1                       | 5                       |
| No. Stages                                   | 1                       | 1                       | 1                       | 1                       |
| Gas Connection Pipe Size in. [mm]            | 0.5 [12.7]              | 0.5 [12.7]              | 0.5 [12.7]              | 0.5 [12.7]              |
| <b>Compressor</b>                            |                         |                         |                         |                         |
| No./Stg/Type                                 | 1/1/Scroll              | 1/1/Scroll              | 1/1/Scroll              | 1/1/Scroll              |
| <b>Outdoor Sound Rating (dB)<sup>5</sup></b> | 77                      | 77                      | 77                      | 77                      |
| <b>Outdoor Coil - Fin Type</b>               | Louvered                | Louvered                | Louvered                | Louvered                |
| Tube Type                                    | MicroChannel            | MicroChannel            | MicroChannel            | MicroChannel            |
| MicroChannel Depth in. [mm]                  | 0.709 [18]              | 0.709 [18]              | 0.709 [18]              | 0.709 [18]              |
| Face Area sq. ft. [sq. m]                    | 16.18 [1.5]             | 16.18 [1.5]             | 16.18 [1.5]             | 16.18 [1.5]             |
| 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]                  | 1.26 [32]               | 1.26 [32]               | 1.26 [32]               | 1.26 [32]               |
| Face Area sq. ft. [sq. m]                    | 3.98 [0.37]             | 3.98 [0.37]             | 3.98 [0.37]             | 3.98 [0.37]             |
| 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]                   | 1/22 [558.8]            | 1/22 [558.8]            | 1/22 [558.8]            | 1/22 [558.8]            |
| Drive Type/No. Speeds                        | Direct/1                | Direct/1                | Direct/1                | Direct/1                |
| CFM [L/s]                                    | 4300 [2029]             | 4300 [2029]             | 4300 [2029]             | 4300 [2029]             |
| 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                                    | 1050                    | 1050                    | 1050                    | 1050                    |
| <b>Indoor Fan - Type</b>                     | FC Centrifugal          | FC Centrifugal          | FC Centrifugal          | FC Centrifugal          |
| No. Used/Diameter in. [mm]                   | 1/12x9 [305x229]        | 1/12x9 [305x229]        | 1/12x9 [305x229]        | 1/12x9 [305x229]        |
| Drive Type                                   | Direct                  | Direct                  | Direct                  | Direct                  |
| No. Speeds                                   | Multiple                | Multiple                | Multiple                | Multiple                |
| No. Motors                                   | 1                       | 1                       | 1                       | 1                       |
| Motor HP                                     | 3/4                     | 3/4                     | 3/4                     | 3/4                     |
| Motor RPM                                    | 1050                    | 1050                    | 1050                    | 1050                    |
| Motor Frame Size                             | 48                      | 48                      | 48                      | 48                      |
| <b>Filter - Type</b>                         | Field Supplied          | Field Supplied          | Field Supplied          | Field Supplied          |
| Furnished                                    | No                      | No                      | No                      | No                      |
| (NO.) Size Recommended in. [mm x mm x mm]    | (1)1x24x24 [25x610x610] | (1)1x24x24 [25x610x610] | (1)1x24x24 [25x610x610] | (1)1x24x24 [25x610x610] |
| <b>Refrigerant Charge Oz. [g]</b>            | 69.3 [1965]             | 69.3 [1965]             | 69.3 [1965]             | 69.3 [1965]             |
| <b>Weights</b>                               |                         |                         |                         |                         |
| Net Weight lbs. [kg]                         | 473 [215]               | 468 [212]               | 468 [212]               | 473 [215]               |
| Ship Weight lbs. [kg]                        | 481 [218]               | 476 [216]               | 476 [216]               | 481 [218]               |

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[ ] Designates Metric Conversions

## NOMINAL SIZES 2-5 TONS [7.0-17.6 kW]

| Model RGEAYB Series                          | 048ACT081/X             | 048ACT08U               | 048ACT101/X             | 048ACT10U               |
|----------------------------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| <b>Cooling Performance<sup>1</sup></b>       |                         |                         |                         | <b>CONTINUED</b> →      |
| Gross Cooling Capacity Btu/h [kW]            | 47,900 [14.04]          | 47,900 [14.04]          | 47,900 [14.04]          | 47,900 [14.04]          |
| EER2/SEER2 <sup>2</sup>                      | 10.6/13.4               | 10.6/13.4               | 10.6/13.4               | 10.6/13.4               |
| Nominal CFM/AHRI Rated CFM [L/s]             | 1600/1730 [755/816]     | 1600/1730 [755/816]     | 1600/1730 [755/816]     | 1600/1730 [755/816]     |
| AHRI Net Cooling Capacity Btu/h [kW]         | 45,500 [13.33]          | 45,500 [13.33]          | 45,500 [13.33]          | 45,500 [13.33]          |
| Net Sensible Capacity Btu/h [kW]             | 33,500 [9.82]           | 33,500 [9.82]           | 33,500 [9.82]           | 33,500 [9.82]           |
| Net Latent Capacity Btu/h [kW]               | 12,000 [3.52]           | 12,000 [3.52]           | 12,000 [3.52]           | 12,000 [3.52]           |
| Net System Power kW                          | 4.10                    | 4.10                    | 4.10                    | 4.10                    |
| <b>Heating Performance (Gas)<sup>3</sup></b> |                         |                         |                         |                         |
| Heating Input Btu/h [kW]                     | 80,000 [23.44]          | 80,000 [23.44]          | 100,000 [29.3]          | 100,000 [29.3]          |
| Heating Output Btu/h [kW]                    | 65,000 [19.04]          | 65,600 [19.22]          | 81,000 [23.73]          | 82,000 [24.03]          |
| Temperature Rise Range °F [°C]               | 35-65 [19.4-36.1]       | 40-70 [22.2-38.9]       | 45-75 [25-41.7]         | 40-70 [22.2-38.9]       |
| AFUE % <sup>4</sup>                          | 81                      | 81                      | 81                      | 81                      |
| Steady State Efficiency (%)                  | 82                      | 82                      | 82                      | 82                      |
| No. Burners                                  | 4                       | 1                       | 5                       | 1                       |
| No. Stages                                   | 1                       | 1                       | 1                       | 1                       |
| Gas Connection Pipe Size in. [mm]            | 0.5 [12.7]              | 0.5 [12.7]              | 0.5 [12.7]              | 0.5 [12.7]              |
| <b>Compressor</b>                            |                         |                         |                         |                         |
| No./Stg/Type                                 | 1/2/Scroll              | 1/2/Scroll              | 1/2/Scroll              | 1/2/Scroll              |
| <b>Outdoor Sound Rating (dB)<sup>5</sup></b> | 76                      | 76                      | 76                      | 76                      |
| <b>Outdoor Coil - Fin Type</b>               | Louvered                | Louvered                | Louvered                | Louvered                |
| Tube Type                                    | MicroChannel            | MicroChannel            | MicroChannel            | MicroChannel            |
| MicroChannel Depth in. [mm]                  | 1 [25.4]                | 1 [25.4]                | 1 [25.4]                | 1 [25.4]                |
| Face Area sq. ft. [sq. m]                    | 15.37 [1.43]            | 15.37 [1.43]            | 15.37 [1.43]            | 15.37 [1.43]            |
| 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]                  | 1.26 [32]               | 1.26 [32]               | 1.26 [32]               | 1.26 [32]               |
| Face Area sq. ft. [sq. m]                    | 3.98 [0.37]             | 3.98 [0.37]             | 3.98 [0.37]             | 3.98 [0.37]             |
| 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]                   | 1/22 [558.8]            | 1/22 [558.8]            | 1/22 [558.8]            | 1/22 [558.8]            |
| Drive Type/No. Speeds                        | Direct/1                | Direct/1                | Direct/1                | Direct/1                |
| CFM [L/s]                                    | 4150 [1958]             | 4150 [1958]             | 4150 [1958]             | 4150 [1958]             |
| 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                                    | 1050                    | 1050                    | 1050                    | 1050                    |
| <b>Indoor Fan - Type</b>                     | FC Centrifugal          | FC Centrifugal          | FC Centrifugal          | FC Centrifugal          |
| No. Used/Diameter in. [mm]                   | 1/12x9 [305x229]        | 1/12x9 [305x229]        | 1/12x9 [305x229]        | 1/12x9 [305x229]        |
| Drive Type                                   | Direct                  | Direct                  | Direct                  | Direct                  |
| No. Speeds                                   | Multiple                | Multiple                | Multiple                | Multiple                |
| No. Motors                                   | 1                       | 1                       | 1                       | 1                       |
| Motor HP                                     | 1                       | 1                       | 1                       | 1                       |
| Motor RPM                                    | 1050                    | 1050                    | 1050                    | 1050                    |
| Motor Frame Size                             | 48                      | 48                      | 48                      | 48                      |
| <b>Filter - Type</b>                         | Field Supplied          | Field Supplied          | Field Supplied          | Field Supplied          |
| Furnished                                    | No                      | No                      | No                      | No                      |
| (NO.) Size Recommended in. [mm x mm x mm]    | (1)1x24x24 [25x610x610] | (1)1x24x24 [25x610x610] | (1)1x24x24 [25x610x610] | (1)1x24x24 [25x610x610] |
| <b>Refrigerant Charge Oz. [g]</b>            | 78.4 [2223]             | 78.4 [2223]             | 78.4 [2223]             | 78.4 [2223]             |
| <b>Weights</b>                               |                         |                         |                         |                         |
| Net Weight lbs. [kg]                         | 487 [221]               | 487 [221]               | 492 [223]               | 492 [223]               |
| Ship Weight lbs. [kg]                        | 495 [225]               | 495 [225]               | 500 [227]               | 500 [227]               |

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[ ] Designates Metric Conversions

## NOMINAL SIZES 2-5 TONS [7.0-17.6 kW]

| Model RGEAYB Series                          | 048ADT081/X             | 048ADT101/X             | 048ADT10U               | 048AJT081/X             |
|----------------------------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| <b>Cooling Performance<sup>1</sup></b>       |                         |                         |                         | <b>CONTINUED →</b>      |
| Gross Cooling Capacity Btu/h [kW]            | 47,900 [14.04]          | 47,900 [14.04]          | 47,900 [14.04]          | 47,900 [14.04]          |
| EER2/SEER2 <sup>2</sup>                      | 10.6/13.4               | 10.6/13.4               | 10.6/13.4               | 10.6/13.4               |
| Nominal CFM/AHRI Rated CFM [L/s]             | 1600/1730 [755/816]     | 1600/1730 [755/816]     | 1600/1730 [755/816]     | 1600/1730 [755/816]     |
| AHRI Net Cooling Capacity Btu/h [kW]         | 45,500 [13.33]          | 45,500 [13.33]          | 45,500 [13.33]          | 45,500 [13.33]          |
| Net Sensible Capacity Btu/h [kW]             | 33,500 [9.82]           | 33,500 [9.82]           | 33,500 [9.82]           | 33,500 [9.82]           |
| Net Latent Capacity Btu/h [kW]               | 12,000 [3.52]           | 12,000 [3.52]           | 12,000 [3.52]           | 12,000 [3.52]           |
| Net System Power kW                          | 4.10                    | 4.10                    | 4.10                    | 4.10                    |
| <b>Heating Performance (Gas)<sup>3</sup></b> |                         |                         |                         |                         |
| Heating Input Btu/h [kW]                     | 80,000 [23.44]          | 100,000 [29.3]          | 100,000 [29.3]          | 80,000 [23.44]          |
| Heating Output Btu/h [kW]                    | 65,000 [19.04]          | 81,000 [23.73]          | 82,000 [24.03]          | 65,000 [19.04]          |
| Temperature Rise Range °F [°C]               | 35-65 [19.4-36.1]       | 45-75 [25-41.7]         | 40-70 [22.2-38.9]       | 35-65 [19.4-36.1]       |
| AFUE % <sup>4</sup>                          | 81                      | 81                      | 81                      | 81                      |
| Steady State Efficiency (%)                  | 82                      | 82                      | 82                      | 82                      |
| No. Burners                                  | 4                       | 5                       | 1                       | 4                       |
| No. Stages                                   | 1                       | 1                       | 1                       | 1                       |
| Gas Connection Pipe Size in. [mm]            | 0.5 [12.7]              | 0.5 [12.7]              | 0.5 [12.7]              | 0.5 [12.7]              |
| <b>Compressor</b>                            |                         |                         |                         |                         |
| No./Stg/Type                                 | 1/2/Scroll              | 1/2/Scroll              | 1/2/Scroll              | 1/2/Scroll              |
| <b>Outdoor Sound Rating (dB)<sup>5</sup></b> | 76                      | 76                      | 76                      | 76                      |
| <b>Outdoor Coil - Fin Type</b>               | Louvered                | Louvered                | Louvered                | Louvered                |
| Tube Type                                    | MicroChannel            | MicroChannel            | MicroChannel            | MicroChannel            |
| MicroChannel Depth in. [mm]                  | 1 [25.4]                | 1 [25.4]                | 1 [25.4]                | 1 [25.4]                |
| Face Area sq. ft. [sq. m]                    | 15.37 [1.43]            | 15.37 [1.43]            | 15.37 [1.43]            | 15.37 [1.43]            |
| 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]                  | 1.26 [32]               | 1.26 [32]               | 1.26 [32]               | 1.26 [32]               |
| Face Area sq. ft. [sq. m]                    | 3.98 [0.37]             | 3.98 [0.37]             | 3.98 [0.37]             | 3.98 [0.37]             |
| 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]                   | 1/22 [558.8]            | 1/22 [558.8]            | 1/22 [558.8]            | 1/22 [558.8]            |
| Drive Type/No. Speeds                        | Direct/1                | Direct/1                | Direct/1                | Direct/1                |
| CFM [L/s]                                    | 4150 [1958]             | 4150 [1958]             | 4150 [1958]             | 4150 [1958]             |
| 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                                    | 1050                    | 1050                    | 1050                    | 1050                    |
| <b>Indoor Fan - Type</b>                     | FC Centrifugal          | FC Centrifugal          | FC Centrifugal          | FC Centrifugal          |
| No. Used/Diameter in. [mm]                   | 1/12x9 [305x229]        | 1/12x9 [305x229]        | 1/12x9 [305x229]        | 1/12x9 [305x229]        |
| Drive Type                                   | Direct                  | Direct                  | Direct                  | Direct                  |
| No. Speeds                                   | Multiple                | Multiple                | Multiple                | Multiple                |
| No. Motors                                   | 1                       | 1                       | 1                       | 1                       |
| Motor HP                                     | 1                       | 1                       | 1                       | 1                       |
| Motor RPM                                    | 1050                    | 1050                    | 1050                    | 1050                    |
| Motor Frame Size                             | 48                      | 48                      | 48                      | 48                      |
| <b>Filter - Type</b>                         | Field Supplied          | Field Supplied          | Field Supplied          | Field Supplied          |
| Furnished                                    | No                      | No                      | No                      | No                      |
| (NO.) Size Recommended in. [mm x mm x mm]    | (1)1x24x24 [25x610x610] | (1)1x24x24 [25x610x610] | (1)1x24x24 [25x610x610] | (1)1x24x24 [25x610x610] |
| <b>Refrigerant Charge Oz. [g]</b>            | 78.4 [2223]             | 78.4 [2223]             | 78.4 [2223]             | 78.4 [2223]             |
| <b>Weights</b>                               |                         |                         |                         |                         |
| Net Weight lbs. [kg]                         | 487 [221]               | 492 [223]               | 492 [223]               | 487 [221]               |
| Ship Weight lbs. [kg]                        | 495 [225]               | 500 [227]               | 500 [227]               | 495 [225]               |

See Page 19 for Notes.

[ ] Designates Metric Conversions

## NOMINAL SIZES 2-5 TONS [7.0-17.6 kW]

| Model RGEAYB Series                          | 048AJT08U               | 048AJT101/X             | 048AJT10U               | 060ACT081/X             |
|----------------------------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| <b>Cooling Performance<sup>1</sup></b>       |                         |                         |                         | <b>CONTINUED</b> →      |
| Gross Cooling Capacity Btu/h [kW]            | 47,900 [14.04]          | 47,900 [14.04]          | 47,900 [14.04]          | 58,600 [17.17]          |
| EER2/SEER2 <sup>2</sup>                      | 10.6/13.4               | 10.6/13.4               | 10.6/13.4               | 10.6/13.4               |
| Nominal CFM/AHRI Rated CFM [L/s]             | 1600/1730 [755/816]     | 1600/1730 [755/816]     | 1600/1730 [755/816]     | 2000/1700 [944/802]     |
| AHRI Net Cooling Capacity Btu/h [kW]         | 45,500 [13.33]          | 45,500 [13.33]          | 45,500 [13.33]          | 56,000 [16.41]          |
| Net Sensible Capacity Btu/h [kW]             | 33,500 [9.82]           | 33,500 [9.82]           | 33,500 [9.82]           | 40,000 [11.72]          |
| Net Latent Capacity Btu/h [kW]               | 12,000 [3.52]           | 12,000 [3.52]           | 12,000 [3.52]           | 16,000 [4.69]           |
| Net System Power kW                          | 4.10                    | 4.10                    | 4.10                    | 5.21                    |
| <b>Heating Performance (Gas)<sup>3</sup></b> |                         |                         |                         |                         |
| Heating Input Btu/h [kW]                     | 80,000 [23.44]          | 100,000 [29.3]          | 100,000 [29.3]          | 80,000 [23.44]          |
| Heating Output Btu/h [kW]                    | 65,600 [19.22]          | 81,000 [23.73]          | 82,000 [24.03]          | 65,000 [19.04]          |
| Temperature Rise Range °F [°C]               | 40-70 [22.2-38.9]       | 45-75 [25-41.7]         | 40-70 [22.2-38.9]       | 35-65 [19.4-36.1]       |
| AFUE % <sup>4</sup>                          | 81                      | 81                      | 81                      | 81                      |
| Steady State Efficiency (%)                  | 82                      | 82                      | 82                      | 82                      |
| No. Burners                                  | 1                       | 5                       | 1                       | 4                       |
| No. Stages                                   | 1                       | 1                       | 1                       | 1                       |
| Gas Connection Pipe Size in. [mm]            | 0.5 [12.7]              | 0.5 [12.7]              | 0.5 [12.7]              | 0.5 [12.7]              |
| <b>Compressor</b>                            |                         |                         |                         |                         |
| No./Stg/Type                                 | 1/2/Scroll              | 1/2/Scroll              | 1/2/Scroll              | 1/2/Scroll              |
| <b>Outdoor Sound Rating (dB)<sup>5</sup></b> | 76                      | 76                      | 76                      | 77                      |
| <b>Outdoor Coil - Fin Type</b>               | Louvered                | Louvered                | Louvered                | Louvered                |
| Tube Type                                    | MicroChannel            | MicroChannel            | MicroChannel            | MicroChannel            |
| MicroChannel Depth in. [mm]                  | 1 [25.4]                | 1 [25.4]                | 1 [25.4]                | 1 [25.4]                |
| Face Area sq. ft. [sq. m]                    | 15.37 [1.43]            | 15.37 [1.43]            | 15.37 [1.43]            | 15.37 [1.43]            |
| 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]                  | 1.26 [32]               | 1.26 [32]               | 1.26 [32]               | 1.26 [32]               |
| Face Area sq. ft. [sq. m]                    | 3.98 [0.37]             | 3.98 [0.37]             | 3.98 [0.37]             | 3.96 [0.37]             |
| 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]                   | 1/22 [558.8]            | 1/22 [558.8]            | 1/22 [558.8]            | 1/22 [558.8]            |
| Drive Type/No. Speeds                        | Direct/1                | Direct/1                | Direct/1                | Direct/1                |
| CFM [L/s]                                    | 4150 [1958]             | 4150 [1958]             | 4150 [1958]             | 4300 [2029]             |
| No. Motors/HP                                | 1 at 1/3 HP             | 1 at 1/3 HP             | 1 at 1/3 HP             | 1 at 1/2 HP             |
| Motor RPM                                    | 1050                    | 1050                    | 1050                    | 1050                    |
| <b>Indoor Fan - Type</b>                     | FC Centrifugal          | FC Centrifugal          | FC Centrifugal          | FC Centrifugal          |
| No. Used/Diameter in. [mm]                   | 1/12x9 [305x229]        | 1/12x9 [305x229]        | 1/12x9 [305x229]        | 1/12x9 [305x229]        |
| Drive Type                                   | Direct                  | Direct                  | Direct                  | Direct                  |
| No. Speeds                                   | Multiple                | Multiple                | Multiple                | Multiple                |
| No. Motors                                   | 1                       | 1                       | 1                       | 1                       |
| Motor HP                                     | 1                       | 1                       | 1                       | 1                       |
| Motor RPM                                    | 1050                    | 1050                    | 1050                    | 1050                    |
| Motor Frame Size                             | 48                      | 48                      | 48                      | 48                      |
| <b>Filter - Type</b>                         | Field Supplied          | Field Supplied          | Field Supplied          | Field Supplied          |
| Furnished                                    | No                      | No                      | No                      | No                      |
| (NO.) Size Recommended in. [mm x mm x mm]    | (1)1x24x24 [25x610x610] | (1)1x24x24 [25x610x610] | (1)1x24x24 [25x610x610] | (1)1x24x24 [25x610x610] |
| <b>Refrigerant Charge Oz. [g]</b>            | 78.4 [2223]             | 78.4 [2223]             | 78.4 [2223]             | 80 [2268]               |
| <b>Weights</b>                               |                         |                         |                         |                         |
| Net Weight lbs. [kg]                         | 487 [221]               | 492 [223]               | 492 [223]               | 490 [222]               |
| Ship Weight lbs. [kg]                        | 495 [225]               | 500 [227]               | 500 [227]               | 498 [226]               |

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[ ] Designates Metric Conversions

**NOMINAL SIZES 2-5 TONS [7.0-17.6 kW]**

| Model RGEAYB Series                          | 060ACT101/X             | 060ACT10U               | 060ADT081/X             | 060ADT101/X             |
|----------------------------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| <b>Cooling Performance<sup>1</sup></b>       |                         |                         |                         | <b>CONTINUED →</b>      |
| Gross Cooling Capacity Btu/h [kW]            | 58,600 [17.17]          | 58,600 [17.17]          | 58,600 [17.17]          | 58,600 [17.17]          |
| EER2/SEER2 <sup>2</sup>                      | 10.6/13.4               | 10.6/13.4               | 10.6/13.4               | 10.6/13.4               |
| Nominal CFM/AHRI Rated CFM [L/s]             | 2000/1700 [944/802]     | 2000/1700 [944/802]     | 2000/1700 [944/802]     | 2000/1700 [944/802]     |
| AHRI Net Cooling Capacity Btu/h [kW]         | 56,000 [16.41]          | 56,000 [16.41]          | 56,000 [16.41]          | 56,000 [16.41]          |
| Net Sensible Capacity Btu/h [kW]             | 40,000 [11.72]          | 40,000 [11.72]          | 40,000 [11.72]          | 40,000 [11.72]          |
| Net Latent Capacity Btu/h [kW]               | 16,000 [4.69]           | 16,000 [4.69]           | 16,000 [4.69]           | 16,000 [4.69]           |
| Net System Power kW                          | 5.21                    | 5.21                    | 5.21                    | 5.21                    |
| <b>Heating Performance (Gas)<sup>3</sup></b> |                         |                         |                         |                         |
| Heating Input Btu/h [kW]                     | 100,000 [29.3]          | 100,000 [29.3]          | 80,000 [23.44]          | 100,000 [29.3]          |
| Heating Output Btu/h [kW]                    | 81,000 [23.73]          | 82,000 [24.03]          | 65,000 [19.04]          | 81,000 [23.73]          |
| Temperature Rise Range °F [°C]               | 45-75 [25-41.7]         | 40-70 [22.2-38.9]       | 35-65 [19.4-36.1]       | 45-75 [25-41.7]         |
| AFUE % <sup>4</sup>                          | 81                      | 81                      | 81                      | 81                      |
| Steady State Efficiency (%)                  | 82                      | 82                      | 82                      | 82                      |
| No. Burners                                  | 5                       | 1                       | 4                       | 5                       |
| No. Stages                                   | 1                       | 1                       | 1                       | 1                       |
| Gas Connection Pipe Size in. [mm]            | 0.5 [12.7]              | 0.5 [12.7]              | 0.5 [12.7]              | 0.5 [12.7]              |
| <b>Compressor</b>                            |                         |                         |                         |                         |
| No./Stg/Type                                 | 1/2/Scroll              | 1/2/Scroll              | 1/2/Scroll              | 1/2/Scroll              |
| <b>Outdoor Sound Rating (dB)<sup>5</sup></b> | 77                      | 77                      | 77                      | 77                      |
| <b>Outdoor Coil - Fin Type</b>               | Louvered                | Louvered                | Louvered                | Louvered                |
| Tube Type                                    | MicroChannel            | MicroChannel            | MicroChannel            | MicroChannel            |
| MicroChannel Depth in. [mm]                  | 1 [25.4]                | 1 [25.4]                | 1 [25.4]                | 1 [25.4]                |
| Face Area sq. ft. [sq. m]                    | 15.37 [1.43]            | 15.37 [1.43]            | 15.37 [1.43]            | 15.37 [1.43]            |
| 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]                  | 1.26 [32]               | 1.26 [32]               | 1.26 [32]               | 1.26 [32]               |
| Face Area sq. ft. [sq. m]                    | 3.96 [0.37]             | 3.96 [0.37]             | 3.96 [0.37]             | 3.96 [0.37]             |
| 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]                   | 1/22 [558.8]            | 1/22 [558.8]            | 1/22 [558.8]            | 1/22 [558.8]            |
| Drive Type/No. Speeds                        | Direct/1                | Direct/1                | Direct/1                | Direct/1                |
| CFM [L/s]                                    | 4300 [2029]             | 4300 [2029]             | 4300 [2029]             | 4300 [2029]             |
| No. Motors/HP                                | 1 at 1/2 HP             | 1 at 1/2 HP             | 1 at 1/2 HP             | 1 at 1/2 HP             |
| Motor RPM                                    | 1050                    | 1050                    | 1050                    | 1050                    |
| <b>Indoor Fan - Type</b>                     | FC Centrifugal          | FC Centrifugal          | FC Centrifugal          | FC Centrifugal          |
| No. Used/Diameter in. [mm]                   | 1/12x9 [305x229]        | 1/12x9 [305x229]        | 1/12x9 [305x229]        | 1/12x9 [305x229]        |
| Drive Type                                   | Direct                  | Direct                  | Direct                  | Direct                  |
| No. Speeds                                   | Multiple                | Multiple                | Multiple                | Multiple                |
| No. Motors                                   | 1                       | 1                       | 1                       | 1                       |
| Motor HP                                     | 1                       | 1                       | 1                       | 1                       |
| Motor RPM                                    | 1050                    | 1050                    | 1050                    | 1050                    |
| Motor Frame Size                             | 48                      | 48                      | 48                      | 48                      |
| <b>Filter - Type</b>                         | Field Supplied          | Field Supplied          | Field Supplied          | Field Supplied          |
| Furnished                                    | No                      | No                      | No                      | No                      |
| (NO.) Size Recommended in. [mm x mm x mm]    | (1)1x24x24 [25x610x610] | (1)1x24x24 [25x610x610] | (1)1x24x24 [25x610x610] | (1)1x24x24 [25x610x610] |
| <b>Refrigerant Charge Oz. [g]</b>            | 80 [2268]               | 80 [2268]               | 80 [2268]               | 80 [2268]               |
| <b>Weights</b>                               |                         |                         |                         |                         |
| Net Weight lbs. [kg]                         | 495 [225]               | 495 [225]               | 490 [222]               | 495 [225]               |
| Ship Weight lbs. [kg]                        | 503 [228]               | 503 [228]               | 498 [226]               | 503 [228]               |

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[ ] Designates Metric Conversions

## NOMINAL SIZES 2-5 TONS [7.0-17.6 kW]

| Model RGEAYB Series                          | 060ADT10U               | 060AJT081/X             | 060AJT101/X             | 060AJT10U               |
|----------------------------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| <b>Cooling Performance<sup>1</sup></b>       |                         |                         |                         |                         |
| Gross Cooling Capacity Btu/h [kW]            | 58,500 [17.14]          | 58,500 [17.14]          | 58,500 [17.14]          | 58,500 [17.14]          |
| EER2/SEER2 <sup>2</sup>                      | 10.6/13.4               | 10.6/13.4               | 10.6/13.4               | 10.6/13.4               |
| Nominal CFM/AHRI Rated CFM [L/s]             | 2000/1700 [944/802]     | 2000/1700 [944/802]     | 2000/1700 [944/802]     | 2000/1700 [944/802]     |
| AHRI Net Cooling Capacity Btu/h [kW]         | 56,000 [16.41]          | 56,000 [16.41]          | 56,000 [16.41]          | 56,000 [16.41]          |
| Net Sensible Capacity Btu/h [kW]             | 40,000 [11.72]          | 40,000 [11.72]          | 40,000 [11.72]          | 40,000 [11.72]          |
| Net Latent Capacity Btu/h [kW]               | 16,000 [4.69]           | 16,000 [4.69]           | 16,000 [4.69]           | 16,000 [4.69]           |
| Net System Power kW                          | 5.21                    | 5.21                    | 5.21                    | 5.21                    |
| <b>Heating Performance (Gas)<sup>3</sup></b> |                         |                         |                         |                         |
| Heating Input Btu/h [kW]                     | 100,000 [29.3]          | 80,000 [23.44]          | 100,000 [29.3]          | 100,000 [29.3]          |
| Heating Output Btu/h [kW]                    | 82,000 [24.03]          | 65,000 [19.04]          | 81,000 [23.73]          | 82,000 [24.03]          |
| Temperature Rise Range °F [°C]               | 40-70 [22.2-38.9]       | 35-65 [19.4-36.1]       | 45-75 [25-41.7]         | 40-70 [22.2-38.9]       |
| AFUE % <sup>4</sup>                          | 81                      | 81                      | 81                      | 81                      |
| Steady State Efficiency (%)                  | 82                      | 82                      | 82                      | 82                      |
| No. Burners                                  | 1                       | 4                       | 5                       | 1                       |
| No. Stages                                   | 1                       | 1                       | 1                       | 1                       |
| Gas Connection Pipe Size in. [mm]            | 0.5 [12.7]              | 0.5 [12.7]              | 0.5 [12.7]              | 0.5 [12.7]              |
| <b>Compressor</b>                            |                         |                         |                         |                         |
| No./Stg/Type                                 | 1/2/Scroll              | 1/2/Scroll              | 1/2/Scroll              | 1/2/Scroll              |
| <b>Outdoor Sound Rating (dB)<sup>5</sup></b> |                         |                         |                         |                         |
|                                              | 77                      | 77                      | 77                      | 77                      |
| <b>Outdoor Coil - Fin Type</b>               |                         |                         |                         |                         |
| Tube Type                                    | Louvered                | Louvered                | Louvered                | Louvered                |
| MicroChannel Depth in. [mm]                  | MicroChannel            | MicroChannel            | MicroChannel            | MicroChannel            |
| Face Area sq. ft. [sq. m]                    | 1 [25.4]                | 1 [25.4]                | 1 [25.4]                | 1 [25.4]                |
| Rows / FPI [FPcm]                            | 15.37 [1.43]            | 15.37 [1.43]            | 15.37 [1.43]            | 15.37 [1.43]            |
|                                              | 1 / 23 [9]              | 1 / 23 [9]              | 1 / 23 [9]              | 1 / 23 [9]              |
| <b>Indoor Coil - Fin Type</b>                |                         |                         |                         |                         |
| Tube Type                                    | Louvered                | Louvered                | Louvered                | Louvered                |
| MicroChannel Depth in. [mm]                  | MicroChannel            | MicroChannel            | MicroChannel            | MicroChannel            |
| Face Area sq. ft. [sq. m]                    | 1.26 [32]               | 1.26 [32]               | 1.26 [32]               | 1.26 [32]               |
| Rows / FPI [FPcm]                            | 3.96 [0.37]             | 3.96 [0.37]             | 3.96 [0.37]             | 3.96 [0.37]             |
|                                              | 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               | Propeller               |
| No. Used/Diameter in. [mm]                   | 1/22 [558.8]            | 1/22 [558.8]            | 1/22 [558.8]            | 1/22 [558.8]            |
| Drive Type/No. Speeds                        | Direct/1                | Direct/1                | Direct/1                | Direct/1                |
| CFM [L/s]                                    | 4300 [2029]             | 4300 [2029]             | 4300 [2029]             | 4300 [2029]             |
| No. Motors/HP                                | 1 at 1/2 HP             | 1 at 1/2 HP             | 1 at 1/2 HP             | 1 at 1/2 HP             |
| Motor RPM                                    | 1050                    | 1050                    | 1050                    | 1050                    |
| <b>Indoor Fan - Type</b>                     |                         |                         |                         |                         |
| FC Centrifugal                               | FC Centrifugal          | FC Centrifugal          | FC Centrifugal          | FC Centrifugal          |
| No. Used/Diameter in. [mm]                   | 1/12x9 [305x229]        | 1/12x9 [305x229]        | 1/12x9 [305x229]        | 1/12x9 [305x229]        |
| Drive Type                                   | Direct                  | Direct                  | Direct                  | Direct                  |
| No. Speeds                                   | Multiple                | Multiple                | Multiple                | Multiple                |
| No. Motors                                   | 1                       | 1                       | 1                       | 1                       |
| Motor HP                                     | 1                       | 1                       | 1                       | 1                       |
| Motor RPM                                    | 1050                    | 1050                    | 1050                    | 1050                    |
| Motor Frame Size                             | 48                      | 48                      | 48                      | 48                      |
| <b>Filter - Type</b>                         |                         |                         |                         |                         |
| Field Supplied                               | Field Supplied          | Field Supplied          | Field Supplied          | Field Supplied          |
| Furnished                                    | No                      | No                      | No                      | No                      |
| (NO.) Size Recommended in. [mm x mm x mm]    | (1)1x24x24 [25x610x610] | (1)1x24x24 [25x610x610] | (1)1x24x24 [25x610x610] | (1)1x24x24 [25x610x610] |
| <b>Refrigerant Charge Oz. [g]</b>            |                         |                         |                         |                         |
|                                              | 80 [2268]               | 80 [2268]               | 80 [2268]               | 80 [2268]               |
| <b>Weights</b>                               |                         |                         |                         |                         |
| Net Weight lbs. [kg]                         | 495 [225]               | 490 [222]               | 495 [225]               | 495 [225]               |
| Ship Weight lbs. [kg]                        | 503 [228]               | 498 [226]               | 503 [228]               | 503 [228]               |

See Page 19 for Notes.

[ ] Designates Metric Conversions

## NOTES:

1. Cooling Performance is rated at 95°F ambient, 80°F entering dry bulb, 67°F entering wet bulb. Gross capacity does not include the effect of fan motor heat. AHRI capacity is net and includes the effect of fan motor heat. Units are suitable for operation to  $\pm 20\%$  of nominal cfm. Units are certified in accordance with the Unitary Air Conditioner Equipment certification program, which is based on AHRI Standard 210/240 or 360.
2. EER2 and/or SEER2 are rated at AHRI conditions and in accordance with DOE test procedures.
3. Heating Performance limit settings and rating data were established and approved under laboratory test conditions using American National Standard Institute standards. Ratings shown are for elevations up to 2000 feet. For elevations above 2000 feet, ratings should be reduced at the rate of 4% for each 1000 feet above sea level.
4. AFUE is rated in accordance with DOE test procedures.
5. Outdoor Sound Rating shown is tested in accordance with AHRI Standard 270.

## GROSS SYSTEMS PERFORMANCE DATA—RGEAYB024

| ENTERING INDOOR AIR @ 80°F [26.7°C] dbE             |                   |                   |               |            |            |               |            |            |               |            |            |
|-----------------------------------------------------|-------------------|-------------------|---------------|------------|------------|---------------|------------|------------|---------------|------------|------------|
| wbE                                                 |                   |                   | 71°F [21.7°C] |            |            | 67°F [19.4°C] |            |            | 63°F [17.2°C] |            |            |
| CFM [L/s]                                           |                   |                   | 900 [425]     | 825 [389]  | 700 [330]  | 900 [425]     | 825 [389]  | 700 [330]  | 900 [425]     | 825 [389]  | 700 [330]  |
| DR                                                  |                   |                   | .05           | .09        | .12        | .05           | .09        | .12        | .05           | .09        | .12        |
| OUTDOOR<br>DRY<br>BULB<br>TEMPERATURE<br>°F<br>[°C] | 75°F<br>[23.9°C]  | Total kBtu/h [kW] | 29.9 [8.8]    | 29.4 [8.6] | 28.6 [8.4] | 28.2 [8.3]    | 27.7 [8.1] | 27.0 [7.9] | 26.5 [7.8]    | 26.1 [7.6] | 25.4 [7.4] |
|                                                     |                   | Sens kBtu/h [kW]  | 16.8 [4.9]    | 16.1 [4.7] | 15.0 [4.4] | 19.7 [5.8]    | 18.9 [5.5] | 17.5 [5.1] | 22.6 [6.6]    | 21.6 [6.3] | 20.1 [5.9] |
|                                                     |                   | Power             | 1.6           | 1.6        | 1.6        | 1.6           | 1.6        | 1.6        | 1.5           | 1.5        | 1.5        |
|                                                     | 80°F<br>[26.7°C]  | Total kBtu/h [kW] | 29.0 [8.5]    | 28.6 [8.4] | 27.8 [8.1] | 27.3 [8.0]    | 26.9 [7.9] | 26.2 [7.7] | 25.7 [7.5]    | 25.2 [7.4] | 24.6 [7.2] |
|                                                     |                   | Sens kBtu/h [kW]  | 16.3 [4.8]    | 15.6 [4.6] | 14.5 [4.2] | 19.2 [5.6]    | 18.4 [5.4] | 17.1 [5.0] | 22.1 [6.5]    | 21.2 [6.2] | 19.7 [5.8] |
|                                                     |                   | Power             | 1.7           | 1.7        | 1.7        | 1.7           | 1.7        | 1.7        | 1.7           | 1.6        | 1.6        |
|                                                     | 85°F<br>[29.4°C]  | Total kBtu/h [kW] | 28.2 [8.3]    | 27.7 [8.1] | 27.0 [7.9] | 26.5 [7.8]    | 26.1 [7.6] | 25.4 [7.4] | 24.8 [7.3]    | 24.4 [7.2] | 23.7 [6.9] |
|                                                     |                   | Sens kBtu/h [kW]  | 15.8 [4.6]    | 15.2 [4.5] | 14.1 [4.1] | 18.7 [5.5]    | 18 [5.3]   | 16.7 [4.9] | 21.6 [6.3]    | 20.7 [6.1] | 19.3 [5.7] |
|                                                     |                   | Power             | 1.8           | 1.8        | 1.8        | 1.8           | 1.8        | 1.8        | 1.8           | 1.8        | 1.7        |
|                                                     | 90°F<br>[32.2°C]  | Total kBtu/h [kW] | 27.3 [8.0]    | 26.9 [7.9] | 26.2 [7.7] | 25.7 [7.5]    | 25.2 [7.4] | 24.5 [7.2] | 24.0 [7.0]    | 23.6 [6.9] | 22.9 [6.7] |
| Sens kBtu/h [kW]                                    |                   | 15.4 [4.5]        | 14.7 [4.3]    | 13.7 [4.0] | 18.3 [5.4] | 17.5 [5.1]    | 16.3 [4.8] | 21.2 [6.2] | 20.3 [5.9]    | 18.9 [5.5] |            |
| Power                                               |                   | 2.0               | 1.9           | 1.9        | 2.0        | 1.9           | 1.9        | 1.9        | 1.9           | 1.9        |            |
| 95°F<br>[35°C]                                      | Total kBtu/h [kW] | 26.5 [7.8]        | 26.1 [7.6]    | 25.3 [7.4] | 24.8 [7.3] | 24.4 [7.2]    | 23.7 [6.9] | 23.1 [6.8] | 22.8 [6.7]    | 22.1 [6.5] |            |
|                                                     | Sens kBtu/h [kW]  | 14.9 [4.4]        | 14.3 [4.2]    | 13.3 [3.9] | 17.8 [5.2] | 17.1 [5]      | 15.9 [4.7] | 20.7 [6.1] | 19.9 [5.8]    | 18.5 [5.4] |            |
|                                                     | Power             | 2.1               | 2.1           | 2.0        | 2.1        | 2.1           | 2.0        | 2.0        | 2.0           | 2.0        |            |
| 100°F<br>[37.8°C]                                   | Total kBtu/h [kW] | 25.7 [7.5]        | 25.2 [7.4]    | 24.5 [7.2] | 24.0 [7.0] | 23.6 [6.9]    | 22.9 [6.7] | 22.3 [6.5] | 21.9 [6.4]    | 21.3 [6.2] |            |
|                                                     | Sens kBtu/h [kW]  | 14.4 [4.2]        | 13.9 [4.1]    | 12.9 [3.8] | 17.3 [5.1] | 16.6 [4.9]    | 15.5 [4.5] | 20.2 [5.9] | 19.4 [5.7]    | 18.0 [5.3] |            |
|                                                     | Power             | 2.2               | 2.2           | 2.2        | 2.2        | 2.2           | 2.2        | 2.2        | 2.1           | 2.1        |            |
| 105°F<br>[40.6°C]                                   | Total kBtu/h [kW] | 24.8 [7.3]        | 24.4 [7.2]    | 23.7 [6.9] | 23.1 [6.8] | 22.7 [6.7]    | 22.1 [6.5] | 21.4 [6.3] | 21.1 [6.2]    | 20.5 [6.0] |            |
|                                                     | Sens kBtu/h [kW]  | 14.0 [4.1]        | 13.4 [3.9]    | 12.5 [3.7] | 16.9 [5.0] | 16.2 [4.7]    | 15.0 [4.4] | 19.8 [5.8] | 19.0 [5.6]    | 17.6 [5.2] |            |
|                                                     | Power             | 2.3               | 2.3           | 2.3        | 2.3        | 2.3           | 2.3        | 2.3        | 2.3           | 2.2        |            |
| 110°F<br>[43.3°C]                                   | Total kBtu/h [kW] | 24.0 [7.0]        | 23.6 [6.9]    | 22.9 [6.7] | 22.3 [6.5] | 21.9 [6.4]    | 21.3 [6.2] | 20.6 [6.0] | 20.3 [5.9]    | 19.7 [5.8] |            |
|                                                     | Sens kBtu/h [kW]  | 13.5 [4.0]        | 13.0 [3.8]    | 12.0 [3.5] | 16.4 [4.8] | 15.7 [4.6]    | 14.6 [4.3] | 19.3 [5.7] | 18.5 [5.4]    | 17.2 [5.0] |            |
|                                                     | Power             | 2.5               | 2.4           | 2.4        | 2.5        | 2.4           | 2.4        | 2.4        | 2.4           | 2.4        |            |
| 115°F<br>[46.1°C]                                   | Total kBtu/h [kW] | 23.1 [6.8]        | 22.7 [6.7]    | 22.1 [6.5] | 21.4 [6.3] | 21.1 [6.2]    | 20.5 [6.0] | 19.8 [5.8] | 19.4 [5.7]    | 18.9 [5.5] |            |
|                                                     | Sens kBtu/h [kW]  | 13.0 [3.8]        | 12.5 [3.7]    | 11.6 [3.4] | 15.9 [4.7] | 15.3 [4.5]    | 14.2 [4.2] | 18.8 [5.5] | 18.1 [5.3]    | 16.8 [4.9] |            |
|                                                     | Power             | 2.6               | 2.6           | 2.5        | 2.6        | 2.6           | 2.5        | 2.5        | 2.5           | 2.5        |            |
| 120°F<br>[48.9°C]                                   | Total kBtu/h [kW] | 22.3 [6.5]        | 21.9 [6.4]    | 21.3 [6.2] | 20.6 [6.0] | 20.3 [5.9]    | 19.7 [5.8] | 18.9 [5.5] | 18.6 [5.5]    | 18.1 [5.3] |            |
|                                                     | Sens kBtu/h [kW]  | 12.6 [3.7]        | 12.1 [3.5]    | 11.2 [3.3] | 15.5 [4.5] | 14.8 [4.3]    | 13.8 [4.0] | 18.4 [5.4] | 17.6 [5.2]    | 16.4 [4.8] |            |
|                                                     | Power             | 2.7               | 2.7           | 2.7        | 2.7        | 2.7           | 2.7        | 2.7        | 2.6           | 2.6        |            |
| 125°F<br>[51.7°C]                                   | Total kBtu/h [kW] | 21.4 [6.3]        | 21.1 [6.2]    | 20.5 [6.0] | 19.7 [5.8] | 19.4 [5.7]    | 18.9 [5.5] | 18.1 [5.3] | 17.8 [5.2]    | 17.3 [5.1] |            |
|                                                     | Sens kBtu/h [kW]  | 12.1 [3.5]        | 11.6 [3.4]    | 10.8 [3.2] | 15.0 [4.4] | 14.4 [4.2]    | 13.4 [3.9] | 17.9 [5.2] | 17.2 [5.0]    | 16.0 [4.7] |            |
|                                                     | Power             | 2.8               | 2.8           | 2.8        | 2.8        | 2.8           | 2.8        | 2.8        | 2.8           | 2.7        |            |

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

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

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

[ ] Designates Metric Conversions

## GROSS SYSTEMS PERFORMANCE DATA—RGEAYB030

| ENTERING INDOOR AIR @ 80°F [26.7°C] dbE             |                   |                   |               |             |             |               |            |            |               |            |            |
|-----------------------------------------------------|-------------------|-------------------|---------------|-------------|-------------|---------------|------------|------------|---------------|------------|------------|
| wbE                                                 |                   |                   | 71°F [21.7°C] |             |             | 67°F [19.4°C] |            |            | 63°F [17.2°C] |            |            |
| CFM [L/s]                                           |                   |                   | 1125 [531]    | 1050 [496]  | 875 [413]   | 1125 [531]    | 1050 [496] | 875 [413]  | 1125 [531]    | 1050 [496] | 875 [413]  |
| DR                                                  |                   |                   | .05           | .09         | .12         | .05           | .09        | .12        | .05           | .09        | .12        |
| OUTDOOR<br>DRY<br>BULB<br>TEMPERATURE<br>°F<br>[°C] | 75°F<br>[23.9°C]  | Total kBtu/h [kW] | 36.3 [10.6]   | 35.8 [10.5] | 34.8 [10.2] | 33.9 [9.9]    | 33.4 [9.8] | 32.4 [9.5] | 32.0 [9.4]    | 31.6 [9.3] | 30.7 [9.0] |
|                                                     |                   | Sens kBtu/h [kW]  | 20.7 [6.1]    | 20.1 [5.9]  | 18.5 [5.4]  | 23.8 [7.0]    | 23.1 [6.8] | 21.3 [6.2] | 27.6 [8.1]    | 26.7 [7.8] | 24.6 [7.2] |
|                                                     |                   | Power             | 2.0           | 2.0         | 2.0         | 2.0           | 2.0        | 1.9        | 2.0           | 2.0        | 1.9        |
|                                                     | 80°F<br>[26.7°C]  | Total kBtu/h [kW] | 35.4 [10.4]   | 34.9 [10.2] | 33.9 [9.9]  | 32.9 [9.6]    | 32.5 [9.5] | 31.5 [9.2] | 31.1 [9.1]    | 30.7 [9.0] | 29.8 [8.7] |
|                                                     |                   | Sens kBtu/h [kW]  | 20.4 [6.0]    | 19.7 [5.8]  | 18.2 [5.3]  | 23.5 [6.9]    | 22.8 [6.7] | 21.0 [6.2] | 27.3 [8.0]    | 26.4 [7.7] | 24.3 [7.1] |
|                                                     |                   | Power             | 2.1           | 2.1         | 2.1         | 2.1           | 2.1        | 2.0        | 2.1           | 2.1        | 2.0        |
|                                                     | 85°F<br>[29.4°C]  | Total kBtu/h [kW] | 34.4 [10.1]   | 34.0 [10.0] | 32.9 [9.6]  | 32.0 [9.4]    | 31.5 [9.2] | 30.6 [9.0] | 30.1 [8.8]    | 29.8 [8.7] | 28.9 [8.5] |
|                                                     |                   | Sens kBtu/h [kW]  | 20.1 [5.9]    | 19.4 [5.7]  | 17.9 [5.2]  | 23.2 [6.8]    | 22.4 [6.6] | 20.7 [6.1] | 26.9 [7.9]    | 26.1 [7.6] | 24.0 [7.0] |
|                                                     |                   | Power             | 2.2           | 2.2         | 2.2         | 2.2           | 2.2        | 2.2        | 2.2           | 2.2        | 2.1        |
|                                                     | 90°F<br>[32.2°C]  | Total kBtu/h [kW] | 33.4 [9.8]    | 33.0 [9.7]  | 32.0 [9.4]  | 31.0 [9.1]    | 30.6 [9.0] | 29.6 [8.7] | 29.1 [8.5]    | 28.8 [8.4] | 27.9 [8.2] |
| Sens kBtu/h [kW]                                    |                   | 19.7 [5.8]        | 19.1 [5.6]    | 17.6 [5.2]  | 22.8 [6.7]  | 22.1 [6.5]    | 20.4 [6.0] | 26.6 [7.8] | 25.7 [7.5]    | 23.7 [6.9] |            |
| Power                                               |                   | 2.3               | 2.3           | 2.3         | 2.3         | 2.3           | 2.3        | 2.3        | 2.3           | 2.3        |            |
| 95°F<br>[35°C]                                      | Total kBtu/h [kW] | 32.4 [9.5]        | 32.0 [9.4]    | 31.0 [9.1]  | 30.0 [8.8]  | 29.6 [8.7]    | 28.7 [8.4] | 28.1 [8.2] | 27.8 [8.1]    | 26.9 [7.9] |            |
|                                                     | Sens kBtu/h [kW]  | 19.3 [5.7]        | 18.7 [5.5]    | 17.2 [5.0]  | 22.4 [6.6]  | 21.7 [6.4]    | 20.0 [5.9] | 26.2 [7.7] | 25.3 [7.4]    | 23.4 [6.9] |            |
|                                                     | Power             | 2.5               | 2.5           | 2.4         | 2.5         | 2.5           | 2.4        | 2.5        | 2.5           | 2.4        |            |
| 100°F<br>[37.8°C]                                   | Total kBtu/h [kW] | 31.4 [9.2]        | 31.0 [9.1]    | 30.0 [8.8]  | 28.9 [8.5]  | 28.5 [8.4]    | 27.7 [8.1] | 27.1 [7.9] | 26.7 [7.8]    | 25.9 [7.6] |            |
|                                                     | Sens kBtu/h [kW]  | 18.9 [5.5]        | 18.3 [5.4]    | 16.9 [5.0]  | 22.0 [6.4]  | 21.3 [6.2]    | 19.7 [5.8] | 25.8 [7.6] | 24.9 [7.3]    | 23.0 [6.7] |            |
|                                                     | Power             | 2.7               | 2.6           | 2.6         | 2.6         | 2.6           | 2.6        | 2.6        | 2.6           | 2.6        |            |
| 105°F<br>[40.6°C]                                   | Total kBtu/h [kW] | 30.3 [8.9]        | 29.9 [8.8]    | 29.0 [8.5]  | 27.9 [8.2]  | 27.5 [8.1]    | 26.7 [7.8] | 26.0 [7.6] | 25.7 [7.5]    | 24.9 [7.3] |            |
|                                                     | Sens kBtu/h [kW]  | 18.5 [5.4]        | 17.9 [5.2]    | 16.5 [4.8]  | 21.6 [6.3]  | 20.9 [6.1]    | 19.3 [5.7] | 25.3 [7.4] | 24.5 [7.2]    | 22.6 [6.6] |            |
|                                                     | Power             | 2.8               | 2.8           | 2.8         | 2.8         | 2.8           | 2.8        | 2.8        | 2.8           | 2.7        |            |
| 110°F<br>[43.3°C]                                   | Total kBtu/h [kW] | 29.2 [8.6]        | 28.8 [8.4]    | 28.0 [8.2]  | 26.8 [7.9]  | 26.4 [7.7]    | 25.6 [7.5] | 24.9 [7.3] | 24.6 [7.2]    | 23.9 [7.0] |            |
|                                                     | Sens kBtu/h [kW]  | 18.0 [5.3]        | 17.4 [5.1]    | 16.1 [4.7]  | 21.1 [6.2]  | 20.4 [6.0]    | 18.9 [5.5] | 24.9 [7.3] | 24.1 [7.1]    | 22.2 [6.5] |            |
|                                                     | Power             | 3.0               | 3.0           | 2.9         | 3.0         | 3.0           | 2.9        | 3.0        | 3.0           | 2.9        |            |
| 115°F<br>[46.1°C]                                   | Total kBtu/h [kW] | 28.1 [8.2]        | 27.7 [8.1]    | 26.9 [7.9]  | 25.7 [7.5]  | 25.3 [7.4]    | 24.6 [7.2] | 23.8 [7.0] | 23.5 [6.9]    | 22.8 [6.7] |            |
|                                                     | Sens kBtu/h [kW]  | 17.5 [5.1]        | 17.0 [5.0]    | 15.6 [4.6]  | 20.6 [6.0]  | 20.0 [5.9]    | 18.4 [5.4] | 23.8 [7.0] | 23.5 [6.9]    | 21.8 [6.4] |            |
|                                                     | Power             | 3.2               | 3.2           | 3.1         | 3.2         | 3.2           | 3.1        | 3.2        | 3.2           | 3.1        |            |
| 120°F<br>[48.9°C]                                   | Total kBtu/h [kW] | 27.0 [7.9]        | 26.6 [7.8]    | 25.8 [7.6]  | 24.5 [7.2]  | 24.2 [7.1]    | 23.5 [6.9] | 22.7 [6.7] | 22.4 [6.6]    | 21.7 [6.4] |            |
|                                                     | Sens kBtu/h [kW]  | 17.0 [5.0]        | 16.5 [4.8]    | 15.2 [4.5]  | 20.1 [5.9]  | 19.5 [5.7]    | 18.0 [5.3] | 22.7 [6.7] | 22.4 [6.6]    | 21.3 [6.2] |            |
|                                                     | Power             | 3.4               | 3.4           | 3.3         | 3.4         | 3.4           | 3.3        | 3.4        | 3.4           | 3.3        |            |
| 125°F<br>[51.7°C]                                   | Total kBtu/h [kW] | 25.8 [7.6]        | 25.5 [7.5]    | 24.7 [7.2]  | 23.4 [6.9]  | 23.1 [6.8]    | 22.4 [6.6] | 21.5 [6.3] | 21.3 [6.2]    | 20.6 [6.0] |            |
|                                                     | Sens kBtu/h [kW]  | 16.5 [4.8]        | 16.0 [4.7]    | 14.7 [4.3]  | 19.6 [5.7]  | 19.0 [5.6]    | 17.5 [5.1] | 21.5 [6.3] | 21.3 [6.2]    | 20.6 [6.0] |            |
|                                                     | Power             | 3.6               | 3.6           | 3.6         | 3.6         | 3.6           | 3.5        | 3.6        | 3.6           | 3.5        |            |

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

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

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

[ ] Designates Metric Conversions

## GROSS SYSTEMS PERFORMANCE DATA—RGEAYB036

| ENTERING INDOOR AIR @ 80°F [26.7°C] dbE |                |                                                |                                  |                                  |                                  |                                  |                                  |                                  |                                   |                                  |                                  |
|-----------------------------------------|----------------|------------------------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|-----------------------------------|----------------------------------|----------------------------------|
| wbE                                     |                |                                                | 71°F [21.7°C]                    |                                  |                                  | 67°F [19.4°C]                    |                                  |                                  | 63°F [17.2°C]                     |                                  |                                  |
| CFM [L/s]                               |                |                                                | 1350 [637]                       | 1100 [519]                       | 1050 [496]                       | 1350 [637]                       | 1100 [519]                       | 1050 [496]                       | 1350 [637]                        | 1100 [519]                       | 1050 [496]                       |
| DR                                      |                |                                                | .05                              | .09                              | .12                              | .05                              | .09                              | .12                              | .05                               | .09                              | .12                              |
| OUTDOOR DRY BULB TEMPERATURE            | 75°F [23.9°C]  | Total kBtu/h [kW]<br>Sens kBtu/h [kW]<br>Power | 45.0 [13.2]<br>26.0 [7.6]<br>2.3 | 43.2 [12.7]<br>23.5 [6.9]<br>2.3 | 42.8 [12.5]<br>23.0 [6.7]<br>2.3 | 42.6 [12.5]<br>30.1 [8.8]<br>2.3 | 40.9 [12.0]<br>27.2 [8.0]<br>2.3 | 40.5 [11.9]<br>26.6 [7.8]<br>2.3 | 40.1 [11.8]<br>34.2 [10.0]<br>2.3 | 38.6 [11.3]<br>30.9 [9.1]<br>2.3 | 38.2 [11.2]<br>30.3 [8.9]<br>2.3 |
|                                         | 80°F [26.7°C]  | Total kBtu/h [kW]<br>Sens kBtu/h [kW]<br>Power | 43.7 [12.8]<br>25.4 [7.4]<br>2.5 | 42.0 [12.3]<br>22.9 [6.7]<br>2.4 | 41.6 [12.2]<br>22.5 [6.6]<br>2.4 | 41.3 [12.1]<br>29.5 [8.6]<br>2.5 | 39.6 [11.6]<br>26.7 [7.8]<br>2.4 | 39.3 [11.5]<br>26.1 [7.6]<br>2.4 | 38.9 [11.4]<br>33.6 [9.8]<br>2.5  | 37.3 [10.9]<br>30.4 [8.9]<br>2.4 | 37.0 [10.8]<br>29.7 [8.7]<br>2.4 |
|                                         | 85°F [29.4°C]  | Total kBtu/h [kW]<br>Sens kBtu/h [kW]<br>Power | 42.4 [12.4]<br>24.8 [7.3]<br>2.6 | 40.7 [11.9]<br>22.4 [6.6]<br>2.6 | 40.4 [11.8]<br>21.9 [6.4]<br>2.5 | 40.0 [11.7]<br>28.9 [8.5]<br>2.6 | 38.4 [11.3]<br>26.1 [7.6]<br>2.6 | 38.1 [11.2]<br>25.6 [7.5]<br>2.5 | 37.6 [11.0]<br>33.0 [9.7]<br>2.6  | 36.1 [10.6]<br>29.8 [8.7]<br>2.6 | 35.8 [10.5]<br>29.2 [8.6]<br>2.5 |
|                                         | 90°F [32.2°C]  | Total kBtu/h [kW]<br>Sens kBtu/h [kW]<br>Power | 41.2 [12.1]<br>24.2 [7.1]<br>2.8 | 39.5 [11.6]<br>21.9 [6.4]<br>2.7 | 39.2 [11.5]<br>21.4 [6.3]<br>2.7 | 38.8 [11.4]<br>28.3 [8.3]<br>2.8 | 37.2 [10.9]<br>25.6 [7.5]<br>2.7 | 36.9 [10.8]<br>25.0 [7.3]<br>2.7 | 36.4 [10.7]<br>32.4 [9.5]<br>2.8  | 34.9 [10.2]<br>29.3 [8.6]<br>2.7 | 34.6 [10.1]<br>28.6 [8.4]<br>2.7 |
|                                         | 95°F [35°C]    | Total kBtu/h [kW]<br>Sens kBtu/h [kW]<br>Power | 39.9 [11.7]<br>23.6 [6.9]<br>2.9 | 38.3 [11.2]<br>21.3 [6.2]<br>2.9 | 38.0 [11.1]<br>20.9 [6.1]<br>2.9 | 37.5 [11.0]<br>27.7 [8.1]<br>2.9 | 36.0 [10.6]<br>25.0 [7.3]<br>2.9 | 35.7 [10.5]<br>24.5 [7.2]<br>2.9 | 35.1 [10.3]<br>31.8 [9.3]<br>2.9  | 33.7 [9.9]<br>28.7 [8.4]<br>2.9  | 33.4 [9.8]<br>28.1 [8.2]<br>2.8  |
|                                         | 100°F [37.8°C] | Total kBtu/h [kW]<br>Sens kBtu/h [kW]<br>Power | 38.6 [11.3]<br>23.0 [6.7]<br>3.1 | 37.1 [10.9]<br>20.8 [6.1]<br>3.0 | 36.8 [10.8]<br>20.3 [5.9]<br>3.0 | 36.2 [10.6]<br>27.1 [7.9]<br>3.1 | 34.8 [10.2]<br>24.5 [7.2]<br>3.0 | 34.5 [10.1]<br>23.9 [7.0]<br>3.0 | 33.8 [9.9]<br>31.2 [9.1]<br>3.1   | 32.5 [9.5]<br>28.2 [8.3]<br>3.0  | 32.2 [9.4]<br>27.6 [8.1]<br>3.0  |
|                                         | 105°F [40.6°C] | Total kBtu/h [kW]<br>Sens kBtu/h [kW]<br>Power | 37.4 [11.0]<br>22.4 [6.6]<br>3.3 | 35.9 [10.5]<br>20.2 [5.9]<br>3.2 | 35.6 [10.4]<br>19.8 [5.8]<br>3.2 | 35.0 [10.3]<br>26.5 [7.8]<br>3.3 | 33.6 [9.8]<br>23.9 [7.0]<br>3.2  | 33.3 [9.8]<br>23.4 [6.9]<br>3.2  | 32.6 [9.6]<br>30.6 [9.0]<br>3.3   | 31.3 [9.2]<br>27.6 [8.1]<br>3.2  | 31.0 [9.1]<br>27.0 [7.9]<br>3.2  |
|                                         | 110°F [43.3°C] | Total kBtu/h [kW]<br>Sens kBtu/h [kW]<br>Power | 36.1 [10.6]<br>21.8 [6.4]<br>3.5 | 34.7 [10.2]<br>19.7 [5.8]<br>3.4 | 34.4 [10.1]<br>19.2 [5.6]<br>3.4 | 33.7 [9.9]<br>25.9 [7.6]<br>3.5  | 32.4 [9.5]<br>23.4 [6.9]<br>3.4  | 32.1 [9.4]<br>22.9 [6.7]<br>3.4  | 31.3 [9.2]<br>30.0 [8.8]<br>3.5   | 30.0 [8.8]<br>27.1 [7.9]<br>3.4  | 29.8 [8.7]<br>26.5 [7.8]<br>3.4  |
|                                         | 115°F [46.1°C] | Total kBtu/h [kW]<br>Sens kBtu/h [kW]<br>Power | 34.8 [10.2]<br>21.1 [6.2]<br>3.7 | 33.4 [9.8]<br>19.1 [5.6]<br>3.6  | 33.2 [9.7]<br>18.7 [5.5]<br>3.6  | 32.4 [9.5]<br>25.3 [7.4]<br>3.7  | 31.1 [9.1]<br>22.8 [6.7]<br>3.6  | 30.9 [9.1]<br>22.3 [6.5]<br>3.6  | 30.0 [8.8]<br>29.4 [8.6]<br>3.7   | 28.8 [8.4]<br>26.5 [7.8]<br>3.6  | 28.6 [8.4]<br>26.0 [7.6]<br>3.6  |
|                                         | 120°F [48.9°C] | Total kBtu/h [kW]<br>Sens kBtu/h [kW]<br>Power | 33.6 [9.8]<br>20.5 [6.0]<br>3.9  | 32.2 [9.4]<br>18.6 [5.5]<br>3.8  | 32.0 [9.4]<br>18.2 [5.3]<br>3.8  | 31.2 [9.1]<br>24.6 [7.2]<br>3.9  | 29.9 [8.8]<br>22.3 [6.5]<br>3.8  | 29.7 [8.7]<br>21.8 [6.4]<br>3.8  | 28.8 [8.4]<br>28.8 [8.4]<br>3.9   | 27.6 [8.1]<br>26.0 [7.6]<br>3.8  | 27.4 [8.0]<br>25.4 [7.4]<br>3.8  |
|                                         | 125°F [51.7°C] | Total kBtu/h [kW]<br>Sens kBtu/h [kW]<br>Power | 32.3 [9.5]<br>19.9 [5.8]<br>4.1  | 31.0 [9.1]<br>18.0 [5.3]<br>4.0  | 30.8 [9.0]<br>17.6 [5.2]<br>4.0  | 29.9 [8.8]<br>24.0 [7.0]<br>4.1  | 28.7 [8.4]<br>21.7 [6.4]<br>4.0  | 28.5 [8.4]<br>21.3 [6.2]<br>4.0  | 27.5 [8.1]<br>27.5 [8.1]<br>4.1   | 26.4 [7.7]<br>25.4 [7.4]<br>4.0  | 26.2 [7.7]<br>24.9 [7.3]<br>4.0  |

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

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

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

[ ] Designates Metric Conversions

## GROSS SYSTEMS PERFORMANCE DATA—RGEAYB042

| ENTERING INDOOR AIR @ 80°F [26.7°C] dbE             |                   |                                                |                                  |                                  |                                  |                                  |                                  |                                  |                                   |                                   |
|-----------------------------------------------------|-------------------|------------------------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|-----------------------------------|-----------------------------------|
| wbE                                                 |                   | 71°F [21.7°C]                                  |                                  |                                  | 67°F [19.4°C]                    |                                  |                                  | 63°F [17.2°C]                    |                                   |                                   |
| CFM [L/s]                                           |                   | 1575 [743]                                     | 1400 [661]                       | 1225 [578]                       | 1575 [743]                       | 1400 [661]                       | 1225 [578]                       | 1575 [743]                       | 1400 [661]                        | 1225 [578]                        |
| DR                                                  |                   | .05                                            | .09                              | .12                              | .05                              | .09                              | .12                              | .05                              | .09                               | .12                               |
| OUTDOOR<br>DRY<br>BULB<br>TEMPERATURE<br>°F<br>[°C] | 75°F<br>[23.9°C]  | Total kBtu/h [kW]<br>Sens kBtu/h [kW]<br>Power | 52.8 [15.5]<br>29.5 [8.6]<br>2.7 | 51.7 [15.2]<br>27.9 [8.2]<br>2.7 | 50.5 [14.8]<br>26.3 [7.7]<br>2.7 | 49.6 [14.5]<br>33.6 [9.8]<br>2.7 | 48.5 [14.2]<br>31.7 [9.3]<br>2.7 | 47.4 [13.9]<br>29.9 [8.8]<br>2.7 | 47.3 [13.9]<br>38.6 [11.3]<br>2.8 | 46.2 [13.5]<br>36.5 [10.7]<br>2.7 |
|                                                     | 80°F<br>[26.7°C]  | Total kBtu/h [kW]<br>Sens kBtu/h [kW]<br>Power | 51.6 [15.1]<br>29.3 [8.6]<br>2.9 | 50.5 [14.8]<br>27.7 [8.1]<br>2.9 | 49.3 [14.4]<br>26.1 [7.6]<br>2.8 | 48.4 [14.2]<br>33.4 [9.8]<br>2.9 | 47.3 [13.9]<br>31.5 [9.2]<br>2.9 | 46.2 [13.5]<br>29.7 [8.7]<br>2.9 | 46.1 [13.5]<br>38.4 [11.3]<br>2.9 | 45.0 [13.2]<br>36.3 [10.6]<br>2.9 |
|                                                     | 85°F<br>[29.4°C]  | Total kBtu/h [kW]<br>Sens kBtu/h [kW]<br>Power | 50.3 [14.7]<br>29.1 [8.5]<br>3.1 | 49.2 [14.4]<br>27.5 [8.1]<br>3.1 | 48.1 [14.1]<br>25.9 [7.6]<br>3.0 | 47.1 [13.8]<br>33.1 [9.7]<br>3.1 | 46.1 [13.5]<br>31.3 [9.2]<br>3.1 | 45.0 [13.2]<br>29.5 [8.6]<br>3.0 | 44.8 [13.1]<br>38.2 [11.2]<br>3.1 | 43.8 [12.8]<br>36.0 [10.6]<br>3.1 |
|                                                     | 90°F<br>[32.2°C]  | Total kBtu/h [kW]<br>Sens kBtu/h [kW]<br>Power | 49.0 [14.4]<br>28.8 [8.4]<br>3.3 | 48.0 [14.1]<br>27.2 [8.0]<br>3.2 | 46.9 [13.7]<br>25.6 [7.5]<br>3.2 | 45.8 [13.4]<br>32.8 [9.6]<br>3.3 | 44.8 [13.1]<br>31.0 [9.1]<br>3.3 | 43.8 [12.8]<br>29.2 [8.6]<br>3.2 | 43.5 [12.7]<br>37.9 [11.1]<br>3.3 | 42.5 [12.5]<br>35.8 [10.5]<br>3.3 |
|                                                     | 95°F<br>[35°C]    | Total kBtu/h [kW]<br>Sens kBtu/h [kW]<br>Power | 47.7 [14.0]<br>28.4 [8.3]<br>3.5 | 46.6 [13.7]<br>26.9 [7.9]<br>3.4 | 45.6 [13.4]<br>25.3 [7.4]<br>3.4 | 44.5 [13.0]<br>32.5 [9.5]<br>3.5 | 43.5 [12.7]<br>30.7 [9.0]<br>3.4 | 42.5 [12.5]<br>28.9 [8.5]<br>3.4 | 42.2 [12.4]<br>37.5 [11]<br>3.5   | 41.2 [12.1]<br>35.5 [10.4]<br>3.4 |
|                                                     | 100°F<br>[37.8°C] | Total kBtu/h [kW]<br>Sens kBtu/h [kW]<br>Power | 46.3 [13.6]<br>28.1 [8.2]<br>3.6 | 45.3 [13.3]<br>26.5 [7.8]<br>3.6 | 44.3 [13.0]<br>25.0 [7.3]<br>3.6 | 43.1 [12.6]<br>32.1 [9.4]<br>3.6 | 42.1 [12.3]<br>30.4 [8.9]<br>3.6 | 41.2 [12.1]<br>28.6 [8.4]<br>3.6 | 40.8 [12.0]<br>37.2 [10.9]<br>3.7 | 39.9 [11.7]<br>35.1 [10.3]<br>3.6 |
|                                                     | 105°F<br>[40.6°C] | Total kBtu/h [kW]<br>Sens kBtu/h [kW]<br>Power | 44.9 [13.2]<br>27.6 [8.1]<br>3.8 | 43.9 [12.9]<br>26.1 [7.6]<br>3.8 | 42.9 [12.6]<br>24.6 [7.2]<br>3.7 | 41.7 [12.2]<br>31.7 [9.3]<br>3.8 | 40.7 [11.9]<br>30.0 [8.8]<br>3.8 | 39.8 [11.7]<br>28.2 [8.3]<br>3.7 | 39.3 [11.5]<br>36.7 [10.8]<br>3.8 | 38.5 [11.3]<br>34.7 [10.2]<br>3.8 |
|                                                     | 110°F<br>[43.3°C] | Total kBtu/h [kW]<br>Sens kBtu/h [kW]<br>Power | 43.4 [12.7]<br>27.2 [8.0]<br>4.0 | 42.5 [12.5]<br>25.7 [7.5]<br>3.9 | 41.5 [12.2]<br>24.2 [7.1]<br>3.9 | 40.2 [11.8]<br>31.3 [9.2]<br>4.0 | 39.3 [11.5]<br>29.5 [8.6]<br>4.0 | 38.4 [11.3]<br>27.8 [8.1]<br>3.9 | 37.9 [11.1]<br>36.3 [10.6]<br>4.0 | 37.0 [10.8]<br>34.3 [10.1]<br>4.0 |
|                                                     | 115°F<br>[46.1°C] | Total kBtu/h [kW]<br>Sens kBtu/h [kW]<br>Power | 41.9 [12.3]<br>26.7 [7.8]<br>4.2 | 41.0 [12.0]<br>25.2 [7.4]<br>4.1 | 40.1 [11.8]<br>23.7 [6.9]<br>4.1 | 38.7 [11.3]<br>30.8 [9.0]<br>4.2 | 37.9 [11.1]<br>29.1 [8.5]<br>4.1 | 37.0 [10.8]<br>27.4 [8.0]<br>4.1 | 36.4 [10.7]<br>35.8 [10.5]<br>4.2 | 35.6 [10.4]<br>33.8 [9.9]<br>4.1  |
|                                                     | 120°F<br>[48.9°C] | Total kBtu/h [kW]<br>Sens kBtu/h [kW]<br>Power | 40.4 [11.8]<br>26.2 [7.7]<br>4.3 | 39.5 [11.6]<br>24.7 [7.2]<br>4.3 | 38.6 [11.3]<br>23.3 [6.8]<br>4.3 | 37.2 [10.9]<br>30.2 [8.9]<br>4.4 | 36.3 [10.6]<br>28.6 [8.4]<br>4.3 | 35.5 [10.4]<br>26.9 [7.9]<br>4.3 | 34.8 [10.2]<br>34.8 [10.2]<br>4.4 | 34.1 [10.0]<br>33.3 [9.8]<br>4.3  |
|                                                     | 125°F<br>[51.7°C] | Total kBtu/h [kW]<br>Sens kBtu/h [kW]<br>Power | 38.8 [11.4]<br>25.6 [7.5]<br>4.5 | 38.0 [11.1]<br>24.2 [7.1]<br>4.5 | 37.1 [10.9]<br>22.8 [6.7]<br>4.4 | 35.6 [10.4]<br>29.7 [8.7]<br>4.5 | 34.8 [10.2]<br>28.0 [8.2]<br>4.5 | 34.0 [10.0]<br>26.4 [7.7]<br>4.4 | 33.3 [9.8]<br>33.3 [9.8]<br>4.6   | 32.5 [9.5]<br>32.5 [9.5]<br>4.5   |

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

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

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

[ ] Designates Metric Conversions

## GROSS SYSTEMS PERFORMANCE DATA—RGEAYB048

| ENTERING INDOOR AIR @ 80°F [26.7°C] dbE |                |                   |               |             |             |               |             |             |               |             |             |
|-----------------------------------------|----------------|-------------------|---------------|-------------|-------------|---------------|-------------|-------------|---------------|-------------|-------------|
| wbE                                     |                |                   | 71°F [21.7°C] |             |             | 67°F [19.4°C] |             |             | 63°F [17.2°C] |             |             |
| CFM [L/s]                               |                |                   | 1800 [850]    | 1550 [732]  | 1400 [661]  | 1800 [850]    | 1550 [732]  | 1400 [661]  | 1800 [850]    | 1550 [732]  | 1400 [661]  |
| DR                                      |                |                   | .05           | .09         | .12         | .05           | .09         | .12         | .05           | .09         | .12         |
| OUTDOOR DRY BULB TEMPERATURE            | 75°F [23.9°C]  | Total kBtu/h [kW] | 59.4 [17.4]   | 57.7 [16.9] | 56.7 [16.6] | 57.9 [17.0]   | 56.2 [16.5] | 55.2 [16.2] | 53.3 [15.6]   | 51.8 [15.2] | 50.8 [14.9] |
|                                         |                | Sens kBtu/h [kW]  | 39.5 [11.6]   | 36.8 [10.8] | 35.1 [10.3] | 41.6 [12.2]   | 38.7 [11.3] | 37.0 [10.8] | 49.8 [14.6]   | 46.3 [13.6] | 44.2 [13.0] |
|                                         |                | Power             | 3.6           | 3.5         | 3.5         | 3.6           | 3.5         | 3.5         | 3.6           | 3.5         | 3.5         |
|                                         | 80°F [26.7°C]  | Total kBtu/h [kW] | 58.1 [17.0]   | 56.4 [16.5] | 55.5 [16.3] | 56.6 [16.6]   | 55.0 [16.1] | 54.0 [15.8] | 52.0 [15.2]   | 50.5 [14.8] | 49.6 [14.5] |
|                                         |                | Sens kBtu/h [kW]  | 38.3 [11.2]   | 35.6 [10.4] | 34.0 [10.0] | 40.4 [11.8]   | 37.6 [11.0] | 35.9 [10.5] | 48.6 [14.2]   | 45.2 [13.2] | 43.1 [12.6] |
|                                         |                | Power             | 3.7           | 3.6         | 3.6         | 3.7           | 3.6         | 3.6         | 3.7           | 3.6         | 3.6         |
|                                         | 85°F [29.4°C]  | Total kBtu/h [kW] | 56.7 [16.6]   | 55.1 [16.1] | 54.1 [15.9] | 55.2 [16.2]   | 53.6 [15.7] | 52.7 [15.4] | 50.6 [14.8]   | 49.2 [14.4] | 48.3 [14.2] |
|                                         |                | Sens kBtu/h [kW]  | 37.2 [10.9]   | 34.6 [10.1] | 33.1 [9.7]  | 39.3 [11.5]   | 36.6 [10.7] | 34.9 [10.2] | 47.5 [13.9]   | 44.2 [13.0] | 42.2 [12.4] |
|                                         |                | Power             | 3.8           | 3.8         | 3.8         | 3.8           | 3.8         | 3.8         | 3.8           | 3.8         | 3.7         |
|                                         | 90°F [32.2°C]  | Total kBtu/h [kW] | 55.3 [16.2]   | 53.7 [15.7] | 52.7 [15.4] | 53.7 [15.7]   | 52.2 [15.3] | 51.3 [15.0] | 49.1 [14.4]   | 47.7 [14.0] | 46.9 [13.7] |
|                                         |                | Sens kBtu/h [kW]  | 36.2 [10.6]   | 33.7 [9.9]  | 32.2 [9.4]  | 38.3 [11.2]   | 35.7 [10.5] | 34.0 [10.0] | 46.5 [13.6]   | 43.2 [12.7] | 41.3 [12.1] |
|                                         |                | Power             | 4.0           | 4           | 3.9         | 4.0           | 4.0         | 3.9         | 4.0           | 3.9         | 3.9         |
| °F [°C]                                 | 95°F [35°C]    | Total kBtu/h [kW] | 53.7 [15.7]   | 52.2 [15.3] | 51.2 [15.0] | 52.2 [15.3]   | 50.7 [14.9] | 49.8 [14.6] | 47.6 [14.0]   | 46.2 [13.5] | 45.4 [13.3] |
|                                         |                | Sens kBtu/h [kW]  | 35.4 [10.4]   | 32.9 [9.6]  | 31.4 [9.2]  | 37.5 [11.0]   | 34.8 [10.2] | 33.3 [9.8]  | 45.6 [13.4]   | 42.4 [12.4] | 40.5 [11.9] |
|                                         |                | Power             | 4.2           | 4.2         | 4.1         | 4.2           | 4.1         | 4.1         | 4.2           | 4.1         | 4.1         |
|                                         | 100°F [37.8°C] | Total kBtu/h [kW] | 52.0 [15.2]   | 50.5 [14.8] | 49.7 [14.6] | 50.5 [14.8]   | 49.1 [14.4] | 48.2 [14.1] | 45.9 [13.5]   | 44.6 [13.1] | 43.8 [12.8] |
|                                         |                | Sens kBtu/h [kW]  | 34.6 [10.1]   | 32.2 [9.4]  | 30.7 [9.0]  | 36.7 [10.8]   | 34.1 [10.0] | 32.6 [9.6]  | 44.8 [13.1]   | 41.7 [12.2] | 39.8 [11.7] |
|                                         |                | Power             | 4.4           | 4.4         | 4.3         | 4.4           | 4.4         | 4.3         | 4.4           | 4.4         | 4.3         |
|                                         | 105°F [40.6°C] | Total kBtu/h [kW] | 50.3 [14.7]   | 48.8 [14.3] | 48.0 [14.1] | 48.7 [14.3]   | 47.4 [13.9] | 46.5 [13.6] | 44.2 [13.0]   | 42.9 [12.6] | 42.2 [12.4] |
|                                         |                | Sens kBtu/h [kW]  | 33.9 [9.9]    | 31.5 [9.2]  | 30.1 [8.8]  | 36.0 [10.6]   | 33.5 [9.8]  | 32.0 [9.4]  | 44.1 [12.9]   | 41.1 [12.0] | 39.2 [11.5] |
|                                         |                | Power             | 4.7           | 4.6         | 4.6         | 4.7           | 4.6         | 4.6         | 4.7           | 4.6         | 4.5         |
|                                         | 110°F [43.3°C] | Total kBtu/h [kW] | 48.4 [14.2]   | 47.1 [13.8] | 46.2 [13.5] | 46.9 [13.7]   | 45.6 [13.4] | 44.8 [13.1] | 42.3 [12.4]   | 41.1 [12.0] | 40.4 [11.8] |
|                                         |                | Sens kBtu/h [kW]  | 33.3 [9.8]    | 31.0 [9.1]  | 29.6 [8.7]  | 35.4 [10.4]   | 32.9 [9.6]  | 31.5 [9.2]  | 42.3 [12.4]   | 40.5 [11.9] | 38.7 [11.3] |
|                                         |                | Power             | 4.9           | 4.9         | 4.8         | 4.9           | 4.8         | 4.8         | 4.9           | 4.8         | 4.8         |
| °F [°C]                                 | 115°F [46.1°C] | Total kBtu/h [kW] | 46.5 [13.6]   | 45.2 [13.2] | 44.4 [13.0] | 45.0 [13.2]   | 43.7 [12.8] | 42.9 [12.6] | 40.4 [11.8]   | 39.2 [11.5] | 38.5 [11.3] |
|                                         |                | Sens kBtu/h [kW]  | 32.9 [9.6]    | 30.6 [9.0]  | 29.2 [8.6]  | 34.9 [10.2]   | 32.5 [9.5]  | 31.0 [9.1]  | 40.4 [11.8]   | 39.2 [11.5] | 38.3 [11.2] |
|                                         |                | Power             | 5.2           | 5.1         | 5.1         | 5.2           | 5.1         | 5.1         | 5.2           | 5.1         | 5.1         |
|                                         | 120°F [48.9°C] | Total kBtu/h [kW] | 44.5 [13.0]   | 43.2 [12.7] | 42.4 [12.4] | 42.9 [12.6]   | 41.7 [12.2] | 41.0 [12.0] | 38.4 [11.3]   | 37.3 [10.9] | 36.6 [10.7] |
|                                         |                | Sens kBtu/h [kW]  | 32.5 [9.5]    | 30.2 [8.9]  | 28.8 [8.4]  | 34.6 [10.1]   | 32.2 [9.4]  | 30.7 [9.0]  | 38.4 [11.3]   | 37.3 [10.9] | 36.6 [10.7] |
|                                         |                | Power             | 5.5           | 5.4         | 5.4         | 5.5           | 5.4         | 5.4         | 5.5           | 5.4         | 5.4         |
| °F [°C]                                 | 125°F [51.7°C] | Total kBtu/h [kW] | 42.3 [12.4]   | 41.1 [12.0] | 40.4 [11.8] | 40.8 [12.0]   | 39.7 [11.6] | 39.0 [11.4] | 36.2 [10.6]   | 35.2 [10.3] | 34.6 [10.1] |
|                                         |                | Sens kBtu/h [kW]  | 32.2 [9.4]    | 30.0 [8.8]  | 28.6 [8.4]  | 34.3 [10.1]   | 31.9 [9.3]  | 30.5 [8.9]  | 36.2 [10.6]   | 35.2 [10.3] | 34.6 [10.1] |
|                                         |                | Power             | 5.8           | 5.8         | 5.7         | 5.8           | 5.7         | 5.7         | 5.8           | 5.7         | 5.7         |

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

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

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

[ ] Designates Metric Conversions

## GROSS SYSTEMS PERFORMANCE DATA—RGEAYB060

| ENTERING INDOOR AIR @ 80°F [26.7°C] dbE             |                   |                   |               |             |             |               |             |             |               |             |             |
|-----------------------------------------------------|-------------------|-------------------|---------------|-------------|-------------|---------------|-------------|-------------|---------------|-------------|-------------|
| wbE                                                 |                   |                   | 71°F [21.7°C] |             |             | 67°F [19.4°C] |             |             | 63°F [17.2°C] |             |             |
| CFM [L/s]                                           |                   |                   | 2250 [1062]   | 1750 [826]  | 1750 [826]  | 2250 [1062]   | 1750 [826]  | 1750 [826]  | 2250 [1062]   | 1750 [826]  | 1750 [826]  |
| DR                                                  |                   |                   | .05           | .09         | .12         | .05           | .09         | .12         | .05           | .09         | .12         |
| OUTDOOR<br>DRY<br>BULB<br>TEMPERATURE<br>°F<br>[°C] | 75°F<br>[23.9°C]  | Total kBtu/h [kW] | 76.1 [22.3]   | 72.3 [21.2] | 72.3 [21.2] | 71.4 [20.9]   | 67.9 [19.9] | 67.9 [19.9] | 66.7 [19.5]   | 63.4 [18.6] | 63.4 [18.6] |
|                                                     |                   | Sens kBtu/h [kW]  | 44.3 [13.0]   | 39.1 [11.5] | 39.1 [11.5] | 52.0 [15.2]   | 45.8 [13.4] | 45.8 [13.4] | 59.6 [17.5]   | 52.6 [15.4] | 52.6 [15.4] |
|                                                     |                   | Power             | 4.5           | 4.4         | 4.4         | 4.4           | 4.3         | 4.3         | 4.3           | 4.2         | 4.2         |
|                                                     | 80°F<br>[26.7°C]  | Total kBtu/h [kW] | 74.1 [21.7]   | 70.5 [20.7] | 70.5 [20.7] | 69.5 [20.4]   | 66.0 [19.3] | 66.0 [19.3] | 64.8 [19.0]   | 61.6 [18.1] | 61.6 [18.1] |
|                                                     |                   | Sens kBtu/h [kW]  | 43.1 [12.6]   | 38.1 [11.2] | 38.1 [11.2] | 50.8 [14.9]   | 44.8 [13.1] | 44.8 [13.1] | 58.4 [17.1]   | 51.6 [15.1] | 51.6 [15.1] |
|                                                     |                   | Power             | 4.7           | 4.6         | 4.6         | 4.7           | 4.6         | 4.6         | 4.6           | 4.5         | 4.5         |
|                                                     | 85°F<br>[29.4°C]  | Total kBtu/h [kW] | 72.2 [21.2]   | 68.6 [20.1] | 68.6 [20.1] | 67.5 [19.8]   | 64.2 [18.8] | 64.2 [18.8] | 62.8 [18.4]   | 59.7 [17.5] | 59.7 [17.5] |
|                                                     |                   | Sens kBtu/h [kW]  | 42.0 [12.3]   | 37.1 [10.9] | 37.1 [10.9] | 49.7 [14.6]   | 43.8 [12.8] | 43.8 [12.8] | 57.3 [16.8]   | 50.6 [14.8] | 50.6 [14.8] |
|                                                     |                   | Power             | 5.0           | 4.8         | 4.8         | 4.9           | 4.8         | 4.8         | 4.8           | 4.7         | 4.7         |
|                                                     | 90°F<br>[32.2°C]  | Total kBtu/h [kW] | 70.3 [20.6]   | 66.8 [19.6] | 66.8 [19.6] | 65.6 [19.2]   | 62.3 [18.3] | 62.3 [18.3] | 60.9 [17.8]   | 57.9 [17.0] | 57.9 [17.0] |
|                                                     |                   | Sens kBtu/h [kW]  | 40.9 [12.0]   | 36.1 [10.6] | 36.1 [10.6] | 48.6 [14.2]   | 42.9 [12.6] | 42.9 [12.6] | 56.2 [16.5]   | 49.6 [14.5] | 49.6 [14.5] |
|                                                     |                   | Power             | 5.2           | 5.1         | 5.1         | 5.2           | 5.0         | 5.0         | 5.1           | 4.9         | 4.9         |
| 95°F<br>[35°C]                                      | Total kBtu/h [kW] | 68.3 [20.0]       | 64.9 [19.0]   | 64.9 [19.0] | 63.6 [18.6] | 60.5 [17.7]   | 60.5 [17.7] | 58.9 [17.3] | 56.0 [16.4]   | 56.0 [16.4] |             |
|                                                     | Sens kBtu/h [kW]  | 39.9 [11.7]       | 35.2 [10.3]   | 35.2 [10.3] | 47.6 [14.0] | 42.0 [12.3]   | 42.0 [12.3] | 55.2 [16.2] | 48.7 [14.3]   | 48.7 [14.3] |             |
|                                                     | Power             | 5.5               | 5.3           | 5.3         | 5.4         | 5.3           | 5.3         | 5.3         | 5.2           | 5.2         |             |
| 100°F<br>[37.8°C]                                   | Total kBtu/h [kW] | 66.4 [19.5]       | 63.1 [18.5]   | 63.1 [18.5] | 61.7 [18.1] | 58.6 [17.2]   | 58.6 [17.2] | 57.0 [16.7] | 54.2 [15.9]   | 54.2 [15.9] |             |
|                                                     | Sens kBtu/h [kW]  | 38.9 [11.4]       | 34.3 [10.1]   | 34.3 [10.1] | 46.5 [13.6] | 41.1 [12.0]   | 41.1 [12.0] | 54.2 [15.9] | 47.8 [14.0]   | 47.8 [14.0] |             |
|                                                     | Power             | 5.7               | 5.6           | 5.6         | 5.7         | 5.5           | 5.5         | 5.6         | 5.4           | 5.4         |             |
| 105°F<br>[40.6°C]                                   | Total kBtu/h [kW] | 64.4 [18.9]       | 61.2 [17.9]   | 61.2 [17.9] | 59.7 [17.5] | 56.8 [16.6]   | 56.8 [16.6] | 55.0 [16.1] | 52.3 [15.3]   | 52.3 [15.3] |             |
|                                                     | Sens kBtu/h [kW]  | 37.9 [11.1]       | 33.4 [9.8]    | 33.4 [9.8]  | 45.6 [13.4] | 40.2 [11.8]   | 40.2 [11.8] | 53.2 [15.6] | 46.9 [13.7]   | 46.9 [13.7] |             |
|                                                     | Power             | 5.9               | 5.8           | 5.8         | 5.9         | 5.8           | 5.8         | 5.8         | 5.7           | 5.7         |             |
| 110°F<br>[43.3°C]                                   | Total kBtu/h [kW] | 62.5 [18.3]       | 59.4 [17.4]   | 59.4 [17.4] | 57.8 [16.9] | 54.9 [16.1]   | 54.9 [16.1] | 53.1 [15.6] | 50.5 [14.8]   | 50.5 [14.8] |             |
|                                                     | Sens kBtu/h [kW]  | 37.0 [10.8]       | 32.6 [9.6]    | 32.6 [9.6]  | 44.6 [13.1] | 39.4 [11.5]   | 39.4 [11.5] | 52.3 [15.3] | 46.1 [13.5]   | 46.1 [13.5] |             |
|                                                     | Power             | 6.2               | 6.0           | 6.0         | 6.1         | 6.0           | 6.0         | 6.0         | 5.9           | 5.9         |             |
| 115°F<br>[46.1°C]                                   | Total kBtu/h [kW] | 60.5 [17.7]       | 57.5 [16.9]   | 57.5 [16.9] | 55.8 [16.4] | 53.1 [15.6]   | 53.1 [15.6] | 51.1 [15.0] | 48.6 [14.2]   | 48.6 [14.2] |             |
|                                                     | Sens kBtu/h [kW]  | 36.1 [10.6]       | 31.8 [9.3]    | 31.8 [9.3]  | 43.7 [12.8] | 38.6 [11.3]   | 38.6 [11.3] | 51.1 [15.0] | 45.3 [13.3]   | 45.3 [13.3] |             |
|                                                     | Power             | 6.4               | 6.3           | 6.3         | 6.4         | 6.2           | 6.2         | 6.3         | 6.1           | 6.1         |             |
| 120°F<br>[48.9°C]                                   | Total kBtu/h [kW] | 58.6 [17.2]       | 55.7 [16.3]   | 55.7 [16.3] | 53.9 [15.8] | 51.2 [15.0]   | 51.2 [15.0] | 49.2 [14.4] | 46.8 [13.7]   | 46.8 [13.7] |             |
|                                                     | Sens kBtu/h [kW]  | 35.2 [10.3]       | 31.1 [9.1]    | 31.1 [9.1]  | 42.9 [12.6] | 37.8 [11.1]   | 37.8 [11.1] | 49.2 [14.4] | 44.6 [13.1]   | 44.6 [13.1] |             |
|                                                     | Power             | 6.7               | 6.5           | 6.5         | 6.6         | 6.5           | 6.5         | 6.5         | 6.4           | 6.4         |             |
| 125°F<br>[51.7°C]                                   | Total kBtu/h [kW] | 56.6 [16.6]       | 53.8 [15.8]   | 53.8 [15.8] | 51.9 [15.2] | 49.4 [14.5]   | 49.4 [14.5] | 47.2 [13.8] | 44.9 [13.2]   | 44.9 [13.2] |             |
|                                                     | Sens kBtu/h [kW]  | 34.4 [10.1]       | 30.3 [8.9]    | 30.3 [8.9]  | 42.0 [12.3] | 37.1 [10.9]   | 37.1 [10.9] | 47.2 [13.8] | 43.8 [12.8]   | 43.8 [12.8] |             |
|                                                     | Power             | 6.9               | 6.7           | 6.7         | 6.9         | 6.7           | 6.7         | 6.8         | 6.6           | 6.6         |             |

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

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

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

[ ] Designates Metric Conversions

INDOOR AIRFLOW PERFORMANCE RGEAYB (208/230V, 1-PHASE) CONSTANT TORQUE MOTOR

| Nominal Cooling Capacity Tons [kW] | Motor Speed from Factory |                | Heating Input BTU/HR [kW] | Manufacturer Recommended Cooling Airflow (Min/Max) | Blower Size, Motor HP [W] & # of Speeds            | Motor Tap - Usage         | External Static Pressure - Inches W.C. [kPa] (Side Discharge-Dry Coil) |           |             |           |           |           |           |           |           |           |      |      |      |      |
|------------------------------------|--------------------------|----------------|---------------------------|----------------------------------------------------|----------------------------------------------------|---------------------------|------------------------------------------------------------------------|-----------|-------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------|------|------|------|
|                                    | Cool                     | Heat           |                           |                                                    |                                                    |                           | 0.1 [.02]                                                              | 0.2 [.05] | 0.3 [.07]   | 0.4 [.10] | 0.5 [.12] | 0.6 [.15] | 0.7 [.17] | 0.8 [.20] | 0.9 [.22] | 1.0 [.25] |      |      |      |      |
| 2.0 [7.03]                         |                          |                |                           | 700 CFM / 900 CFM                                  | 10X9 Blower 1/3 HP [249] 5 Speed (Constant Torque) | Tap 1 - FAN               | CFM                                                                    | 717       | 580         | 499       | 440       | 378       | 295       | 246       | 219       | 172       |      |      |      |      |
|                                    |                          |                |                           |                                                    |                                                    |                           | RPM                                                                    | 589       | 622         | 695       | 746       | 804       | 852       | 894       | 936       | 977       |      |      |      |      |
|                                    |                          |                |                           |                                                    |                                                    |                           | Watts                                                                  | 68        | 64          | 71        | 75        | 80        | 85        | 87        | 92        | 95        |      |      |      |      |
|                                    |                          | Tap 2          |                           |                                                    |                                                    | 40,000 [11.72]            |                                                                        |           | Tap 2 - 40K | CFM       | 874       | 825       | 771       | 703       | 590       | 553       | 511  | 451  | 398  | 347  |
|                                    |                          |                |                           |                                                    |                                                    |                           |                                                                        |           |             | RPM       | 671       | 721       | 774       | 842       | 888       | 921       | 959  | 1016 | 1057 | 1092 |
|                                    |                          |                |                           |                                                    |                                                    |                           |                                                                        |           |             | Watts     | 105       | 112       | 119       | 128       | 134       | 138       | 143  | 150  | 156  | 160  |
|                                    | Tap 2                    | 60,000 [17.58] |                           |                                                    |                                                    | Tap 2 - 60K               | CFM                                                                    | 971       | 920         | 875       | 826       | 757       | 707       | 667       | 630       | 588       | 530  |      |      |      |
|                                    |                          |                |                           |                                                    |                                                    |                           | RPM                                                                    | 725       | 771         | 813       | 866       | 930       | 966       | 996       | 1032      | 1077      | 1126 |      |      |      |
|                                    |                          |                |                           |                                                    |                                                    |                           | Watts                                                                  | 134       | 142         | 148       | 157       | 166       | 172       | 177       | 182       | 189       | 197  |      |      |      |
|                                    | Tap 2                    | 80,000 [23.45] |                           |                                                    |                                                    | Tap 2 - 80K               | CFM                                                                    | 1274      | 1239        | 1208      | 1168      | 1138      | 1098      | 1024      | 865       | 796       | 713  |      |      |      |
|                                    |                          |                |                           |                                                    |                                                    |                           | RPM                                                                    | 882       | 922         | 953       | 989       | 1027      | 1066      | 1101      | 1131      | 1138      | 1149 |      |      |      |
|                                    |                          |                |                           |                                                    |                                                    |                           | Watts                                                                  | 268       | 277         | 285       | 295       | 303       | 313       | 312       | 285       | 272       | 253  |      |      |      |
|                                    |                          |                |                           |                                                    |                                                    | Tap 3 - Low Static Cool   | CFM                                                                    | 874       | 825         | 771       | 703       | 590       | 553       | 511       | 451       | 398       | 347  |      |      |      |
|                                    |                          |                |                           |                                                    |                                                    |                           | RPM                                                                    | 671       | 721         | 774       | 842       | 888       | 921       | 959       | 1016      | 1057      | 1092 |      |      |      |
|                                    |                          |                |                           |                                                    |                                                    |                           | Watts                                                                  | 105       | 112         | 119       | 128       | 134       | 138       | 143       | 150       | 156       | 160  |      |      |      |
|                                    |                          |                |                           |                                                    |                                                    | Tap 4 - Med Static Cool * | CFM                                                                    | 1037      | 1000        | 957       | 905       | 838       | 776       | 738       | 701       | 668       | 616  |      |      |      |
|                                    |                          |                |                           |                                                    |                                                    |                           | RPM                                                                    | 757       | 796         | 839       | 886       | 949       | 994       | 1026      | 1057      | 1089      | 1128 |      |      |      |
|                                    |                          |                |                           |                                                    |                                                    |                           | Watts                                                                  | 156       | 163         | 171       | 178       | 190       | 197       | 204       | 207       | 214       | 217  |      |      |      |
|                                    |                          |                |                           |                                                    |                                                    | Tap 5 - High Static Cool  | CFM                                                                    | 1274      | 1239        | 1208      | 1168      | 1138      | 1098      | 1024      | 865       | 796       | 713  |      |      |      |
|                                    |                          |                |                           |                                                    |                                                    |                           | RPM                                                                    | 882       | 922         | 953       | 989       | 1027      | 1066      | 1101      | 1131      | 1138      | 1149 |      |      |      |
|                                    |                          |                |                           |                                                    |                                                    |                           | Watts                                                                  | 268       | 277         | 285       | 295       | 303       | 313       | 312       | 285       | 272       | 253  |      |      |      |

NOTES: 1. FOR CONSTANT TORQUE MOTORS: Use motor taps 3-5 to achieve rated airflow at AHRI minimum external static pressure.

- (a) Use \* marked tap for AHRI 210/240-2023  
2. Grayed out portions not recommended for use in field

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

[ ] Designates Metric Conversions

INDOOR AIRFLOW PERFORMANCE RGEAYB (208/230V, 1 & 3-PHASE) CONSTANT TORQUE MOTOR

| Nominal Cooling Capacity Tons [kW] | Motor Speed from Factory |       | Heating Input BTU/HR [kW] | Manufacturer Recommended Cooling Airflow (Min/Max) | Blower Size, Motor HP [W] & # of Speeds            | Motor Tap - Usage | External Static Pressure - Inches W.C. [kPa]<br>(Side Discharge-Dry Coil) |            |            |            |            |            |            |            |            |            |
|------------------------------------|--------------------------|-------|---------------------------|----------------------------------------------------|----------------------------------------------------|-------------------|---------------------------------------------------------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
|                                    | Cool                     | Heat  |                           |                                                    |                                                    |                   | 0.1 [0.02]                                                                | 0.2 [0.05] | 0.3 [0.07] | 0.4 [1.10] | 0.5 [1.12] | 0.6 [1.15] | 0.7 [1.17] | 0.8 [1.20] | 0.9 [1.22] | 1.0 [1.25] |
| 2.5 [8.79]                         | Tap 3                    |       |                           | 875 CFM / 1125 CFM                                 | 10X9 Blower 1/2 HP [372] 5 Speed (Constant Torque) | Tap 1 - FAN       | CFM 929                                                                   | 889        | 845        | 790        | 719        | 676        | 636        | 589        | 530        | 479        |
|                                    |                          |       |                           |                                                    |                                                    |                   |                                                                           |            |            |            |            |            |            |            |            |            |
|                                    |                          | Tap 2 | 40,000 [11.72]            |                                                    |                                                    |                   |                                                                           |            |            |            |            |            |            |            |            |            |
|                                    |                          |       |                           |                                                    |                                                    |                   |                                                                           |            |            |            |            |            |            |            |            |            |
|                                    |                          | Tap 2 | 60,000 [17.58]            |                                                    |                                                    |                   |                                                                           |            |            |            |            |            |            |            |            |            |
|                                    |                          |       |                           |                                                    |                                                    |                   |                                                                           |            |            |            |            |            |            |            |            |            |
|                                    |                          | Tap 2 | 80,000 [23.45]            |                                                    |                                                    |                   |                                                                           |            |            |            |            |            |            |            |            |            |
|                                    |                          |       |                           |                                                    |                                                    |                   |                                                                           |            |            |            |            |            |            |            |            |            |
|                                    |                          |       |                           |                                                    |                                                    |                   |                                                                           |            |            |            |            |            |            |            |            |            |
|                                    |                          |       |                           |                                                    |                                                    |                   |                                                                           |            |            |            |            |            |            |            |            |            |
| 3.0 [10.55]                        | Tap 3                    |       |                           | 1050 CFM / 1350 CFM                                | 12x9T Blower 1 HP [746] 5 Speed (Constant Torque)  | Tap 1 - FAN       | CFM 977                                                                   | 915        | 833        | 764        | 700        | 557        | 475        | 398        | 338        | 295        |
|                                    |                          |       |                           |                                                    |                                                    |                   |                                                                           |            |            |            |            |            |            |            |            |            |
|                                    |                          | Tap 2 | 60,000 [17.58]            |                                                    |                                                    |                   |                                                                           |            |            |            |            |            |            |            |            |            |
|                                    |                          |       |                           |                                                    |                                                    |                   |                                                                           |            |            |            |            |            |            |            |            |            |
|                                    |                          | Tap 2 | 80,000 [23.45]            |                                                    |                                                    |                   |                                                                           |            |            |            |            |            |            |            |            |            |
|                                    |                          |       |                           |                                                    |                                                    |                   |                                                                           |            |            |            |            |            |            |            |            |            |
|                                    |                          | Tap 2 | 100,000 [29.31]           |                                                    |                                                    |                   |                                                                           |            |            |            |            |            |            |            |            |            |
|                                    |                          |       |                           |                                                    |                                                    |                   |                                                                           |            |            |            |            |            |            |            |            |            |
|                                    |                          |       |                           |                                                    |                                                    |                   |                                                                           |            |            |            |            |            |            |            |            |            |
|                                    |                          |       |                           |                                                    |                                                    |                   |                                                                           |            |            |            |            |            |            |            |            |            |

[ ] Designates Metric Conversions

INDOOR AIRFLOW PERFORMANCE RGEAYB (208/230V, 1 & 3-PHASE) CONSTANT TORQUE MOTOR (CON'T.)

| Nominal Cooling Capacity Tons [kW] | Motor Speed from Factory                |       | Heating Input BTU/HR [kW] | Manufacturer Recommended Cooling Airflow (Min/Max) | Blower Size, Motor HP [W] & # of Speeds                      | Motor Tap - Usage          | External Static Pressure - Inches W.C. [kPa]<br>(Side Discharge-Dry Coil) |           |           |           |           |           |           |           |           |           |      |
|------------------------------------|-----------------------------------------|-------|---------------------------|----------------------------------------------------|--------------------------------------------------------------|----------------------------|---------------------------------------------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------|
|                                    | Cool                                    | Heat  |                           |                                                    |                                                              |                            | 0.1 [.02]                                                                 | 0.2 [.05] | 0.3 [.07] | 0.4 [.10] | 0.5 [.12] | 0.6 [.15] | 0.7 [.17] | 0.8 [.20] | 0.9 [.22] | 1.0 [.25] |      |
| 3.5<br>[12.31]                     | Tap 3                                   |       |                           | 1225 CFM / 1575 CFM                                | 12x9T Blower<br>3/4 HP [559]<br>5 Speed<br>(Constant Torque) | Tap 1 - FAN                | CFM                                                                       | 992       | 903       | 804       | 723       | 629       | 525       | 455       | 375       | 333       | 296  |
|                                    |                                         |       |                           |                                                    |                                                              | RPM                        | 589                                                                       | 622       | 680       | 725       | 761       | 814       | 837       | 855       | 883       | 915       |      |
|                                    |                                         |       |                           |                                                    |                                                              | Watts                      | 106                                                                       | 110       | 119       | 127       | 132       | 141       | 145       | 146       | 152       | 157       |      |
|                                    |                                         | Tap 2 | 80,000 [23.45]            |                                                    |                                                              | Tap 2 - 80K                | CFM                                                                       | 1440      | 1390      | 1354      | 1309      | 1257      | 1194      | 1136      | 1040      | 987       | 923  |
|                                    |                                         |       |                           |                                                    |                                                              | RPM                        | 767                                                                       | 801       | 828       | 861       | 896       | 937       | 973       | 1021      | 1047      | 1073      |      |
|                                    | Tap 2                                   |       |                           |                                                    |                                                              | Watts                      | 266                                                                       | 276       | 283       | 292       | 304       | 317       | 327       | 342       | 350       | 360       |      |
|                                    |                                         |       |                           |                                                    |                                                              | Tap 2 - 100K               | CFM                                                                       | 1465      | 1414      | 1370      | 1334      | 1290      | 1228      | 1164      | 1100      | 1032      | 978  |
|                                    |                                         | Tap 2 | 100,000 [29.31]           |                                                    |                                                              |                            | RPM                                                                       | 775       | 810       | 841       | 869       | 899       | 938       | 974       | 1011      | 1048      | 1074 |
|                                    |                                         |       |                           |                                                    |                                                              | Watts                      | 277                                                                       | 287       | 297       | 305       | 314       | 327       | 337       | 349       | 362       | 371       |      |
|                                    |                                         |       |                           |                                                    |                                                              | Tap 3 - Low Static Cool *  | CFM                                                                       | 1557      | 1517      | 1475      | 1436      | 1398      | 1352      | 1306      | 1245      | 1178      | 1119 |
| 4.0<br>[14.07]                     | Tap 3 - Low Stage<br>Tap 4 - High Stage |       |                           | 1400 CFM / 1800 CFM                                | 12x9R Blower<br>1 HP [746]<br>5 Speed<br>(Constant Torque)   | Tap 1 - FAN                | RPM                                                                       | 821       | 849       | 882       | 908       | 936       | 966       | 997       | 1033      | 1068      | 1102 |
|                                    |                                         |       |                           |                                                    |                                                              | Watts                      | 330                                                                       | 339       | 350       | 360       | 370       | 381       | 390       | 403       | 415       | 428       |      |
|                                    |                                         |       |                           |                                                    |                                                              | Tap 4 - Med Static Cool    | CFM                                                                       | 1703      | 1659      | 1624      | 1589      | 1549      | 1508      | 1469      | 1424      | 1351      | 1263 |
|                                    |                                         |       |                           |                                                    |                                                              |                            | RPM                                                                       | 870       | 900       | 926       | 952       | 979       | 1009      | 1033      | 1062      | 1102      | 1121 |
|                                    |                                         |       |                           |                                                    |                                                              | Watts                      | 407                                                                       | 418       | 430       | 439       | 451       | 462       | 472       | 483       | 497       | 484       |      |
|                                    | Tap 1 - FAN                             |       |                           |                                                    |                                                              | Tap 5 - High Static Cool   | CFM                                                                       | 1832      | 1807      | 1775      | 1740      | 1704      | 1672      | 1639      | 1583      | 1505      | 1348 |
|                                    |                                         |       |                           |                                                    |                                                              |                            | RPM                                                                       | 940       | 961       | 984       | 1009      | 1033      | 1061      | 1083      | 1103      | 1119      | 1136 |
|                                    |                                         |       |                           |                                                    |                                                              | Watts                      | 519                                                                       | 530       | 540       | 552       | 562       | 577       | 586       | 593       | 570       | 531       |      |
|                                    |                                         |       |                           |                                                    |                                                              | Tap 1 - FAN                | CFM                                                                       | 1013      | 866       | 781       | 695       | 561       | 493       | 427       | 371       | 322       | 268  |
|                                    |                                         |       |                           |                                                    |                                                              |                            | RPM                                                                       | 116       | 104       | 108       | 116       | 120       | 125       | 130       | 134       | 140       | 144  |
|                                    | Tap 2 - 80K                             |       |                           |                                                    |                                                              | Watts                      | 590                                                                       | 597       | 644       | 689       | 720       | 755       | 785       | 816       | 847       | 875       |      |
|                                    |                                         |       |                           |                                                    |                                                              | Tap 2 - 80K                | CFM                                                                       | 1349      | 1306      | 1264      | 1220      | 1169      | 1108      | 1046      | 990       | 938       | 883  |
|                                    |                                         |       |                           |                                                    |                                                              |                            | RPM                                                                       | 733       | 766       | 791       | 820       | 848       | 882       | 913       | 937       | 964       | 999  |
|                                    |                                         |       |                           |                                                    |                                                              | Watts                      | 232                                                                       | 241       | 248       | 256       | 264       | 273       | 281       | 288       | 296       | 306       |      |
|                                    |                                         | Tap 2 | 80,000 [23.45]            |                                                    |                                                              | Tap 2 - 100K               | CFM                                                                       | 1416      | 1383      | 1340      | 1293      | 1253      | 1201      | 1141      | 1080      | 1015      | 977  |
|                                    | Tap 3 - Low Stage<br>Tap 4 - High Stage |       |                           |                                                    |                                                              |                            | RPM                                                                       | 764       | 790       | 819       | 847       | 873       | 902       | 936       | 963       | 990       | 1012 |
|                                    |                                         |       |                           |                                                    |                                                              |                            | Watts                                                                     | 266       | 273       | 282       | 291       | 298       | 307       | 317       | 324       | 333       | 340  |
|                                    |                                         |       |                           |                                                    |                                                              | Tap 3 - Low Static Cool    | CFM                                                                       | 1354      | 1316      | 1273      | 1229      | 1179      | 1121      | 1062      | 997       | 954       | 891  |
|                                    |                                         |       |                           |                                                    |                                                              |                            | RPM                                                                       | 745       | 773       | 802       | 826       | 856       | 888       | 919       | 945       | 968       | 1007 |
|                                    |                                         |       |                           |                                                    |                                                              |                            | Watts                                                                     | 239       | 247       | 255       | 260       | 270       | 280       | 287       | 295       | 301       | 312  |
|                                    |                                         |       |                           |                                                    |                                                              | Tap 4 - Med Static Cool    | CFM                                                                       | 1769      | 1734      | 1706      | 1665      | 1634      | 1595      | 1560      | 1526      | 1481      | 1444 |
|                                    |                                         |       |                           |                                                    |                                                              |                            | RPM                                                                       | 903       | 931       | 953       | 980       | 999       | 1028      | 1048      | 1071      | 1094      | 1117 |
|                                    |                                         |       |                           |                                                    |                                                              |                            | Watts                                                                     | 468       | 481       | 490       | 500       | 511       | 524       | 532       | 543       | 554       | 566  |
|                                    |                                         |       |                           |                                                    |                                                              | Tap 5 - High Static Cool * | CFM                                                                       | 1966      | 1938      | 1916      | 1882      | 1855      | 1822      | 1803      | 1778      | 1739      | 1700 |
|                                    |                                         |       |                           |                                                    |                                                              | RPM                        | 1003                                                                      | 1027      | 1047      | 1070      | 1091      | 1115      | 1128      | 1150      | 1172      | 1195      |      |
|                                    |                                         |       |                           |                                                    |                                                              | Watts                      | 657                                                                       | 670       | 682       | 695       | 707       | 721       | 730       | 742       | 756       | 769       |      |

[ ] Designates Metric Conversions

INDOOR AIRFLOW PERFORMANCE RGEAYB (208/230V, 1 & 3-PHASE) CONSTANT TORQUE MOTOR (CON'T.)

| Nominal Cooling Capacity<br>Tons [kW] | Motor Speed from Factory |       | Heating Input<br>BTU/HR [kW] | Manufacturer Recommended Cooling Airflow<br>(Min/Max) | Blower Size, Motor HP [W] & # of Speeds           | Motor Tap - Usage | External Static Pressure - Inches W.C. [kPa]<br>(Side Discharge-Dry Coil) |           |           |           |           |           |           |           |           |           |      |
|---------------------------------------|--------------------------|-------|------------------------------|-------------------------------------------------------|---------------------------------------------------|-------------------|---------------------------------------------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------|
|                                       | Cool                     | Heat  |                              |                                                       |                                                   |                   | 0.1 [.02]                                                                 | 0.2 [.05] | 0.3 [.07] | 0.4 [.10] | 0.5 [.12] | 0.6 [.15] | 0.7 [.17] | 0.8 [.20] | 0.9 [.22] | 1.0 [.25] |      |
| 5.0<br>[17.59]                        | Tap 3 - Low Stage        |       |                              | 1750 CFM / 2250 CFM                                   | 12x9R Blower 1 HP [746] 5 Speed (Constant Torque) | Tap 1 - FAN       | CFM                                                                       | 999       | 856       | 786       | 694       | 575       | 502       | 428       | 379       | 331       | 280  |
|                                       |                          |       | RPM                          |                                                       |                                                   | 590               | 599                                                                       | 640       | 681       | 715       | 752       | 789       | 814       | 847       | 871       |           |      |
|                                       |                          |       | Watts                        |                                                       |                                                   | 116               | 104                                                                       | 108       | 114       | 120       | 125       | 131       | 135       | 140       | 145       |           |      |
|                                       |                          | Tap 2 | CFM                          |                                                       |                                                   | 1373              | 1328                                                                      | 1291      | 1244      | 1197      | 1144      | 1088      | 1032      | 978       | 931       |           |      |
|                                       | Tap 4 - High Stage       |       | 80,000 [23.45]               |                                                       |                                                   |                   | RPM                                                                       | 742       | 773       | 804       | 833       | 862       | 895       | 926       | 953       | 977       | 1001 |
|                                       |                          |       |                              |                                                       |                                                   | Watts             | 247                                                                       | 255       | 264       | 273       | 281       | 291       | 300       | 308       | 315       | 323       |      |
|                                       |                          | Tap 2 | CFM                          |                                                       |                                                   | 1438              | 1392                                                                      | 1356      | 1318      | 1273      | 1223      | 1172      | 1115      | 1056      | 1009      |           |      |
|                                       |                          |       | RPM                          |                                                       |                                                   | 772               | 801                                                                       | 832       | 856       | 883       | 915       | 945       | 975       | 1000      | 1026      |           |      |
|                                       | Tap 5 - High Stage       |       | 100,000 [29.31]              |                                                       |                                                   |                   | Watts                                                                     | 278       | 288       | 297       | 306       | 313       | 324       | 334       | 343       | 351       | 359  |
|                                       |                          |       |                              |                                                       |                                                   | CFM               | 1419                                                                      | 1381      | 1350      | 1301      | 1256      | 1207      | 1140      | 1086      | 1035      | 977       |      |
|                                       |                          |       |                              |                                                       | RPM                                               | 763               | 791                                                                       | 817       | 847       | 876       | 909       | 943       | 970       | 995       | 1020      |           |      |
|                                       |                          |       |                              |                                                       | Watts                                             | 268               | 277                                                                       | 285       | 295       | 304       | 314       | 323       | 332       | 340       | 348       |           |      |
|                                       |                          |       |                              |                                                       | CFM                                               | 1938              | 1904                                                                      | 1873      | 1841      | 1813      | 1811      | 1754      | 1726      | 1694      | 1661      |           |      |
|                                       |                          |       |                              |                                                       | RPM                                               | 976               | 1002                                                                      | 1019      | 1043      | 1063      | 1065      | 1107      | 1130      | 1159      | 1180      |           |      |
|                                       |                          |       |                              |                                                       | Watts                                             | 622               | 638                                                                       | 645       | 657       | 669       | 670       | 693       | 707       | 725       | 737       |           |      |
|                                       |                          |       |                              |                                                       | CFM                                               | 2138              | 2106                                                                      | 2084      | 2050      | 2025      | 1990      | 1963      | 1943      | 1914      | 1891      |           |      |
|                                       |                          |       |                              |                                                       | RPM                                               | 1057              | 1075                                                                      | 1094      | 1117      | 1134      | 1162      | 1186      | 1206      | 1229      | 1245      |           |      |
|                                       |                          |       |                              |                                                       | Watts                                             | 823               | 833                                                                       | 848       | 860       | 873       | 891       | 908       | 924       | 941       | 953       |           |      |

NOTES: 1. FOR CONSTANT TORQUE MOTORS: Use motor taps 3-5 to achieve rated airflow at AHRI minimum external static pressure.  
(a) Use \* marked tap for AHRI 210/240-2023  
2. Grayed out portions not recommended for use in field

| DOWN DISCHARGE PRESSURE DROP (ADD TO EXTERNAL STATIC PRESSURE) |            |            |            |            |            |
|----------------------------------------------------------------|------------|------------|------------|------------|------------|
| CFM [L/s]                                                      | 800 [378]  | 1000 [472] | 1200 [566] | 1400 [661] | 1600 [755] |
| Pressure Drop—Includes W.C. [kPa]                              | .02 [.005] | .05 [.012] | .07 [.017] | .1 [.025]  | .12 [.030] |
|                                                                |            |            |            | .15 [.037] | .17 [.042] |
|                                                                |            |            |            |            | 2000 [944] |

[ ] Designates Metric Conversions

INDOOR AIRFLOW PERFORMANCE RGEAYB (460V, 3-PHASE) CONSTANT TORQUE MOTOR

| Nominal Cooling Capacity Tons [kW] | Motor Speed from Factory |             | Heating Input BTU/HR [kW] | Manufacturer Recommended Cooling Airflow (Min/Max)  | Blower Size, Motor HP [W] & # of Speeds | Motor Tap - Usage | External Static Pressure - Inches W.C. [kPa] (Side Discharge-Dry Coil) |                                                     |             |           |           |           |           |           |           |           |      |
|------------------------------------|--------------------------|-------------|---------------------------|-----------------------------------------------------|-----------------------------------------|-------------------|------------------------------------------------------------------------|-----------------------------------------------------|-------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------|
|                                    | Cool                     | Heat        |                           |                                                     |                                         |                   | 0.1 [.02]                                                              | 0.2 [.05]                                           | 0.3 [.07]   | 0.4 [.10] | 0.5 [.12] | 0.6 [.15] | 0.7 [.17] | 0.8 [.20] | 0.9 [.22] | 1.0 [.25] |      |
| 3.0 [10.55]                        | Tap 3                    |             | 1050 CFM / 1350 CFM       | 12x9T Blower 1 HP [746] 5 Speed (Constant Torque)   | Tap 1 - FAN                             | CFM               | 940                                                                    | 888                                                 | 807         | 746       | 669       | 576       | 495       | 416       | 349       | 323       |      |
|                                    |                          |             |                           |                                                     |                                         | RPM               | 594                                                                    | 633                                                 | 701         | 748       | 800       | 836       | 876       | 901       | 914       | 948       |      |
|                                    |                          |             |                           |                                                     |                                         | Watts             | 114                                                                    | 120                                                 | 133         | 142       | 151       | 158       | 166       | 170       | 172       | 176       |      |
|                                    |                          |             |                           |                                                     |                                         | Tap 2 - 60K       | CFM                                                                    | 713                                                 | 572         | 640       | 783       | 847       | 913       | 955       | 1038      | 1079      | 1102 |
|                                    |                          | RPM         |                           |                                                     | 678                                     |                   | 708                                                                    | 742                                                 | 810         | 847       | 896       | 929       | 1005      | 1029      | 963       |           |      |
|                                    |                          | Tap 2 - 80K |                           |                                                     | Watts                                   | 172               | 179                                                                    | 188                                                 | 205         | 212       | 226       | 234       | 253       | 260       | 243       |           |      |
|                                    |                          |             |                           |                                                     | CFM                                     | 1258              | 1233                                                                   | 1207                                                | 1174        | 1101      | 1052      | 1016      | 948       | 897       | 829       |           |      |
|                                    |                          | Tap 2       |                           |                                                     | 80,000 [23.45]                          | RPM               | 754                                                                    | 781                                                 | 811         | 844       | 898       | 935       | 974       | 1016      | 1049      | 1086      |      |
|                                    |                          |             |                           |                                                     |                                         | Watts             | 240                                                                    | 250                                                 | 259         | 269       | 285       | 297       | 310       | 322       | 333       | 345       |      |
|                                    |                          | 4.0 [14.07] |                           |                                                     | Tap 3                                   |                   | 1400 CFM / 1800 CFM                                                    | 12 x 9R Blower 1 HP [746] 5 Speed (Constant Torque) | Tap 1 - FAN | CFM       | 1287      | 1253      | 1199      | 1127      | 1076      | 1019      | 959  |
| RPM                                | 789                      |             | 821                       | 857                                                 |                                         |                   |                                                                        |                                                     |             | 911       | 945       | 978       | 1008      | 1036      | 1066      | 1101      |      |
| Watts                              | 242                      |             | 250                       | 260                                                 |                                         |                   |                                                                        |                                                     |             | 275       | 285       | 292       | 301       | 309       | 317       | 324       |      |
| Tap 3 - Low Static Cool *          | CFM                      |             | 1285                      | 1271                                                |                                         |                   |                                                                        |                                                     |             | 1247      | 1213      | 1159      | 1100      | 1041      | 991       | 941       | 892  |
|                                    | RPM                      |             | 770                       | 794                                                 |                                         | 827               |                                                                        |                                                     | 857         | 903       | 947       | 986       | 1019      | 1050      | 1080      |           |      |
|                                    |                          |             | Watts                     | 259                                                 |                                         | 266               |                                                                        |                                                     | 278         | 287       | 303       | 317       | 330       | 340       | 350       | 360       |      |
|                                    |                          |             | CFM                       | 1422                                                |                                         | 1414              |                                                                        |                                                     | 1396        | 1370      | 1340      | 1303      | 1244      | 1183      | 1129      | 1086      |      |
|                                    |                          |             | RPM                       | 841                                                 |                                         | 860               |                                                                        |                                                     | 884         | 914       | 940       | 970       | 1018      | 1060      | 1093      | 1122      |      |
|                                    |                          |             | Watts                     | 342                                                 |                                         | 349               |                                                                        |                                                     | 359         | 370       | 380       | 392       | 410       | 426       | 440       | 452       |      |
|                                    |                          |             | CFM                       | 1467                                                |                                         | 1459              |                                                                        |                                                     | 1441        | 1414      | 1383      | 1354      | 1315      | 1244      | 1187      | 1125      |      |
|                                    |                          | RPM         | 865                       | 880                                                 | 905                                     | 932               | 958                                                                    | 985                                                 | 1016        | 1068      | 1108      | 1138      |           |           |           |           |      |
|                                    | Tap 3                    |             | 1400 CFM / 1800 CFM       | 12 x 9R Blower 1 HP [746] 5 Speed (Constant Torque) | Tap 1 - FAN                             | Watts             | 370                                                                    | 376                                                 | 388         | 399       | 409       | 420       | 433       | 455       | 470       | 480       |      |
|                                    |                          |             |                           |                                                     |                                         | CFM               | 988                                                                    | 844                                                 | 750         | 677       | 546       | 482       | 421       | 358       | 309       | 260       |      |
|                                    |                          |             |                           |                                                     |                                         | RPM               | 584                                                                    | 593                                                 | 636         | 670       | 714       | 746       | 776       | 810       | 836       | 865       |      |
|                                    |                          |             |                           |                                                     |                                         | Watts             | 100                                                                    | 106                                                 | 110         | 116       | 123       | 129       | 134       | 139       | 143       | 147       |      |
|                                    |                          | Tap 2 - 80K |                           |                                                     | CFM                                     | 1352              | 1317                                                                   | 1277                                                | 1229        | 1177      | 1122      | 1059      | 1009      | 961       | 909       |           |      |
|                                    |                          |             |                           |                                                     | RPM                                     | 742               | 770                                                                    | 798                                                 | 828         | 859       | 893       | 923       | 947       | 972       | 1007      |           |      |
|                                    |                          | Tap 2       |                           |                                                     | 80,000 [23.45]                          | Watts             | 251                                                                    | 259                                                 | 269         | 279       | 288       | 299       | 308       | 316       | 326       | 336       |      |
|                                    |                          |             |                           |                                                     |                                         | CFM               | 1413                                                                   | 1381                                                | 1337        | 1293      | 1244      | 1196      | 1132      | 1082      | 1034      | 991       |      |
|                                    |                          |             |                           |                                                     | 100,000 [29.31]                         | RPM               | 770                                                                    | 798                                                 | 830         | 858       | 882       | 911       | 945       | 969       | 995       | 1020      |      |
|                                    |                          |             |                           |                                                     |                                         | Watts             | 282                                                                    | 292                                                 | 302         | 313       | 320       | 330       | 341       | 350       | 359       | 368       |      |
|                                    | Tap 3                    |             | 1400 CFM / 1800 CFM       | 12 x 9R Blower 1 HP [746] 5 Speed (Constant Torque) | Tap 3 - Low Static Cool                 | CFM               | 1359                                                                   | 1322                                                | 1277        | 1232      | 1179      | 1123      | 1065      | 1021      | 964       | 918       |      |
|                                    |                          |             |                           |                                                     |                                         | RPM               | 748                                                                    | 779                                                 | 809         | 838       | 869       | 903       | 928       | 947       | 975       | 1008      |      |
|                                    |                          |             |                           |                                                     |                                         | Watts             | 255                                                                    | 266                                                 | 276         | 284       | 295       | 305       | 313       | 319       | 329       | 338       |      |
|                                    |                          |             |                           |                                                     |                                         | CFM               | 1751                                                                   | 1717                                                | 1680        | 1645      | 1610      | 1581      | 1534      | 1494      | 1449      | 1408      |      |
|                                    |                          |             |                           |                                                     |                                         | Med Static Cool * | RPM                                                                    | 901                                                 | 925         | 951       | 976       | 1001      | 1024      | 1050      | 1075      | 1105      | 1128 |
|                                    |                          |             |                           |                                                     |                                         | Watts             | 481                                                                    | 495                                                 | 507         | 517       | 530       | 542       | 557       | 567       | 582       | 594       |      |
|                                    |                          |             |                           |                                                     | Tap 5 - High Static Cool                | CFM               | 1942                                                                   | 1913                                                | 1884        | 1850      | 1824      | 1790      | 1759      | 1725      | 1682      | 1640      |      |
|                                    |                          |             |                           |                                                     |                                         | RPM               | 991                                                                    | 1012                                                | 1033        | 1054      | 1075      | 1098      | 1119      | 1142      | 1163      | 1187      |      |
|                                    |                          |             |                           |                                                     |                                         | Watts             | 654                                                                    | 669                                                 | 680         | 693       | 706       | 717       | 728       | 743       | 753       | 765       |      |

[ ] Designates Metric Conversions

INDOOR AIRFLOW PERFORMANCE RGEAYB (460V, 3-PHASE) CONSTANT TORQUE MOTOR (CONTINUED)

| Nominal Cooling Capacity Tons [kW] | Motor Speed from Factory |       | Heating Input BTU/HR [kW] | Manufacturer Recommended Cooling Airflow (Min/Max) | Blower Size, Motor HP [W] & # of Speeds             | Motor Tap - Usage | External Static Pressure - Inches W.C. [kPa] (Side Discharge-Dry Coil) |            |            |            |            |            |            |            |            |            |     |
|------------------------------------|--------------------------|-------|---------------------------|----------------------------------------------------|-----------------------------------------------------|-------------------|------------------------------------------------------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|-----|
|                                    | Cool                     | Heat  |                           |                                                    |                                                     |                   | 0.1 [ .02]                                                             | 0.2 [ .05] | 0.3 [ .07] | 0.4 [ .10] | 0.5 [ .12] | 0.6 [ .15] | 0.7 [ .17] | 0.8 [ .20] | 0.9 [ .22] | 1.0 [ .25] |     |
| 5.0 [17.59]                        | Tap 3 - Low Stage        |       | 80,000 [23.45]            | 1750 CFM / 2250 CFM                                | 12 x 9R Blower 1 HP [746] 5 Speed (Constant Torque) | Tap 1 - FAN       | CFM                                                                    | 984        | 831        | 758        | 674        | 531        | 468        | 409        | 354        | 295        | 258 |
|                                    |                          |       |                           |                                                    |                                                     | RPM               | 582                                                                    | 595        | 635        | 678        | 720        | 753        | 780        | 810        | 842        | 873        |     |
|                                    |                          |       |                           |                                                    |                                                     | Watts             | 117                                                                    | 104        | 110        | 116        | 123        | 128        | 133        | 137        | 142        | 146        |     |
|                                    |                          | Tap 2 |                           |                                                    |                                                     | Tap 2 - 80K       | CFM                                                                    | 1361       | 1319       | 1287       | 1242       | 1190       | 1131       | 1081       | 1023       | 973        | 921 |
|                                    |                          |       |                           |                                                    |                                                     | RPM               | 743                                                                    | 771        | 799        | 833        | 865        | 900        | 928        | 953        | 982        | 1015       |     |
|                                    |                          |       |                           |                                                    |                                                     | Watts             | 257                                                                    | 266        | 276        | 286        | 297        | 308        | 317        | 325        | 333        | 344        |     |
|                                    | Tap 4 - High Stage       | Tap 2 | 100,000 [29.31]           |                                                    |                                                     | Tap 2 - 100K      | CFM                                                                    | 1407       | 1365       | 1335       | 1294       | 1247       | 1189       | 1131       | 1081       | 1034       | 981 |
|                                    |                          |       |                           |                                                    |                                                     | RPM               | 761                                                                    | 790        | 817        | 845        | 879        | 912        | 946        | 970        | 994        | 1031       |     |
|                                    |                          |       |                           |                                                    |                                                     | Watts             | 278                                                                    | 289        | 299        | 308        | 319        | 330        | 342        | 350        | 360        | 369        |     |
|                                    |                          |       |                           |                                                    |                                                     | Tap 3 - Low Stage | CFM                                                                    | 1407       | 1365       | 1335       | 1294       | 1247       | 1189       | 1131       | 1081       | 1034       | 981 |
|                                    |                          |       |                           |                                                    |                                                     | RPM               | 761                                                                    | 790        | 817        | 845        | 879        | 912        | 946        | 970        | 994        | 1031       |     |
|                                    |                          |       |                           |                                                    |                                                     | Watts             | 278                                                                    | 289        | 299        | 308        | 319        | 330        | 342        | 350        | 360        | 369        |     |
|                                    |                          |       | Tap 4 - High Stage        | CFM                                                | 1947                                                | 1918              | 1881                                                                   | 1858       | 1828       | 1794       | 1760       | 1732       | 1689       | 1655       |            |            |     |
|                                    |                          |       | RPM                       | 981                                                | 1003                                                | 1025              | 1047                                                                   | 1069       | 1093       | 1114       | 1136       | 1157       | 1178       |            |            |            |     |
|                                    |                          |       | Watts                     | 657                                                | 672                                                 | 684               | 696                                                                    | 708        | 723        | 733        | 745        | 756        | 770        |            |            |            |     |
|                                    |                          |       | Tap 5 - High Stage        | CFM                                                | 2137                                                | 2104              | 2078                                                                   | 2051       | 2014       | 1983       | 1954       | 1926       | 1894       | 1855       |            |            |     |
|                                    |                          |       | RPM                       | 1067                                               | 1083                                                | 1097              | 1122                                                                   | 1138       | 1164       | 1182       | 1198       | 1215       | 1237       |            |            |            |     |
|                                    |                          |       | Watts                     | 876                                                | 889                                                 | 898               | 912                                                                    | 924        | 936        | 947        | 957        | 968        | 978        |            |            |            |     |

NOTES: 1. FOR CONSTANT TORQUE MOTORS: Use motor taps 3-5 to achieve rated airflow at AHRI minimum external static pressure.  
(a) Use \* marked tap for AHRI 210/240-2023  
2. Grayed out portions not recommended for use in field

| DOWN DISCHARGE PRESSURE DROP (ADD TO EXTERNAL STATIC PRESSURE) |             |             |             |             |             |
|----------------------------------------------------------------|-------------|-------------|-------------|-------------|-------------|
| CFM [L/s]                                                      | 800 [378]   | 1000 [472]  | 1200 [566]  | 1400 [661]  | 2000 [944]  |
| Pressure Drop—Includes W.C. [kPa]                              | .02 [ .005] | .05 [ .012] | .07 [ .017] | .12 [ .030] | .17 [ .042] |

[ ] Designates Metric Conversions

INDOOR AIRFLOW PERFORMANCE RGEAYB ULN (208/230V, 1-PHASE) CONSTANT TORQUE MOTOR

| Nominal Cooling Capacity<br>Tons [kW] | Motor Speed from Factory |       | Heating Input<br>BTU/HR [kW] | Manufacturer Recommended Cooling Airflow<br>(Min/Max) | Blower Size, Motor HP [W] & # of Speeds                     | Motor Tap - Usage | External Static Pressure - Inches W.C. [kPa]<br>(Side Discharge-Dry Coil) |           |             |           |           |           |           |           |           |           |      |      |      |      |
|---------------------------------------|--------------------------|-------|------------------------------|-------------------------------------------------------|-------------------------------------------------------------|-------------------|---------------------------------------------------------------------------|-----------|-------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------|------|------|------|
|                                       | Cool                     | Heat  |                              |                                                       |                                                             |                   | 0.1 [.02]                                                                 | 0.2 [.05] | 0.3 [.07]   | 0.4 [.10] | 0.5 [.12] | 0.6 [.15] | 0.7 [.17] | 0.8 [.20] | 0.9 [.22] | 1.0 [.25] |      |      |      |      |
| 2.0<br>[7.03]                         | Tap 3                    |       | 60,000 [17.58]               | 700 CFM / 900 CFM                                     | 10X9 Blower<br>1/3 HP [249]<br>5 Speed<br>(Constant Torque) | Tap 1 - FAN       | CFM                                                                       | 890       | 842         | 788       | 736       | 660       | 623       | 579       | 521       | 462       | 408  |      |      |      |
|                                       |                          |       |                              |                                                       |                                                             |                   | RPM                                                                       | 680       | 729         | 783       | 835       | 895       | 926       | 967       | 1021      | 1062      | 1098 |      |      |      |
|                                       |                          |       |                              |                                                       |                                                             |                   | Watts                                                                     | 111       | 118         | 124       | 132       | 140       | 144       | 150       | 157       | 162       | 167  |      |      |      |
|                                       |                          | Tap 2 |                              |                                                       |                                                             | 40,000 [11.72]    |                                                                           |           | Tap 2 - 40K | CFM       | 744       | 686       | 553       | 502       | 454       | 399       | 324  | 276  | 240  | 212  |
|                                       |                          |       |                              |                                                       |                                                             |                   |                                                                           |           |             | RPM       | 601       | 658       | 737       | 778       | 822       | 882       | 921  | 957  | 1000 | 1046 |
|                                       |                          |       |                              |                                                       |                                                             |                   |                                                                           |           |             | Watts     | 74        | 80        | 88        | 92        | 97        | 103       | 106  | 110  | 115  | 119  |
|                                       | Tap 2                    |       | 60,000 [17.58]               |                                                       |                                                             | Tap 2 - 60K       | CFM                                                                       | 880       | 839         | 784       | 713       | 650       | 578       | 530       | 469       | 423       | 375  |      |      |      |
|                                       |                          |       |                              |                                                       |                                                             |                   | RPM                                                                       | 674       | 718         | 775       | 841       | 888       | 920       | 960       | 1015      | 1052      | 1089 |      |      |      |
|                                       |                          |       |                              |                                                       |                                                             |                   | Watts                                                                     | 108       | 114         | 121       | 130       | 137       | 141       | 147       | 153       | 158       | 163  |      |      |      |
|                                       |                          |       |                              |                                                       |                                                             |                   | Tap 3 - Low Static Cool                                                   | CFM       | 874         | 825       | 771       | 703       | 590       | 553       | 511       | 451       | 398  | 347  |      |      |
|                                       |                          |       |                              |                                                       |                                                             |                   |                                                                           | RPM       | 671         | 721       | 774       | 842       | 888       | 921       | 959       | 1016      | 1057 | 1092 |      |      |
|                                       |                          |       |                              |                                                       |                                                             |                   |                                                                           | Watts     | 105         | 112       | 119       | 128       | 134       | 138       | 143       | 150       | 156  | 160  |      |      |
|                                       |                          |       |                              |                                                       | Tap 4 - Med Static Cool *                                   | CFM               | 1037                                                                      | 1000      | 957         | 905       | 838       | 776       | 738       | 701       | 668       | 616       |      |      |      |      |
|                                       |                          |       |                              |                                                       |                                                             | RPM               | 757                                                                       | 796       | 839         | 886       | 949       | 994       | 1026      | 1057      | 1089      | 1128      |      |      |      |      |
|                                       |                          |       |                              |                                                       |                                                             | Watts             | 156                                                                       | 163       | 171         | 178       | 190       | 197       | 204       | 207       | 214       | 217       |      |      |      |      |
|                                       |                          |       |                              |                                                       | Tap 5 - High Static Cool                                    | CFM               | 1274                                                                      | 1239      | 1208        | 1168      | 1138      | 1098      | 1024      | 865       | 796       | 713       |      |      |      |      |
|                                       |                          |       |                              |                                                       |                                                             | RPM               | 882                                                                       | 922       | 953         | 989       | 1027      | 1066      | 1101      | 1131      | 1138      | 1149      |      |      |      |      |
|                                       |                          |       |                              |                                                       |                                                             | Watts             | 268                                                                       | 277       | 285         | 295       | 303       | 313       | 312       | 285       | 272       | 253       |      |      |      |      |

[ ] Designates Metric Conversions

INDOOR AIRFLOW PERFORMANCE RGEAYB ULN (208/230V, 1 & 3-PHASE) CONSTANT TORQUE MOTOR

| Nominal Cooling Capacity Tons [kW] | Motor Speed from Factory |      | Heating Input BTU/HR [kW] | Manufacturer Recommended Cooling Airflow (Min/Max) | Blower Size, Motor HP [W] & # of Speeds            | Motor Tap - Usage         | External Static Pressure - Inches W.C. [kPa] (Side Discharge-Dry Coil) |           |           |           |           |           |           |           |           |           |      |
|------------------------------------|--------------------------|------|---------------------------|----------------------------------------------------|----------------------------------------------------|---------------------------|------------------------------------------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------|
|                                    | Cool                     | Heat |                           |                                                    |                                                    |                           | 0.1 [.02]                                                              | 0.2 [.05] | 0.3 [.07] | 0.4 [.10] | 0.5 [.12] | 0.6 [.15] | 0.7 [.17] | 0.8 [.20] | 0.9 [.22] | 1.0 [.25] |      |
| 2.5 [8.79]                         | Tap 3                    |      |                           | 875 CFM / 1125 CFM                                 | 10X9 Blower 1/2 HP [372] 5 Speed (Constant Torque) | Tap 1 - FAN               | CFM                                                                    | 944       | 895       | 852       | 801       | 716       | 669       | 633       | 585       | 546       | 498  |
|                                    |                          |      |                           |                                                    |                                                    |                           | RPM                                                                    | 715       | 760       | 805       | 855       | 923       | 964       | 993       | 1031      | 1085      | 1118 |
|                                    |                          |      |                           |                                                    |                                                    |                           | Watts                                                                  | 128       | 135       | 141       | 149       | 159       | 165       | 170       | 176       | 184       | 190  |
|                                    |                          |      |                           |                                                    |                                                    | Tap 2                     | CFM                                                                    | 713       | 564       | 483       | 438       | 375       | 296       | 248       | 220       | 189       |      |
|                                    |                          |      | RPM                       |                                                    |                                                    | 591                       | 635                                                                    | 708       | 749       | 817       | 862       | 902       | 955       | 989       |           |           |      |
|                                    |                          |      | Watts                     |                                                    |                                                    | 68                        | 69                                                                     | 75        | 78        | 84        | 89        | 92        | 97        | 101       |           |           |      |
|                                    |                          |      | CFM                       |                                                    |                                                    | 870                       | 826                                                                    | 766       | 689       | 646       | 599       | 558       | 490       | 430       | 402       |           |      |
|                                    |                          |      | RPM                       |                                                    |                                                    | 675                       | 719                                                                    | 776       | 848       | 882       | 921       | 958       | 1013      | 1057      | 1083      |           |      |
|                                    |                          |      | Watts                     |                                                    |                                                    | 106                       | 111                                                                    | 119       | 129       | 132       | 139       | 143       | 151       | 157       | 160       |           |      |
|                                    |                          |      | CFM                       |                                                    |                                                    | 980                       | 930                                                                    | 891       | 840       | 764       | 717       | 676       | 646       | 602       | 536       |           |      |
| 3.0 [10.55]                        | Tap 3                    |      |                           | 1050 CFM / 1350 CFM                                | 12x9T Blower 1 HP [746] 5 Speed (Constant Torque)  | Tap 3 - Low Static Cool   | RPM                                                                    | 731       | 775       | 814       | 866       | 935       | 970       | 1002      | 1030      | 1076      | 1131 |
|                                    |                          |      |                           |                                                    |                                                    |                           | Watts                                                                  | 138       | 144       | 149       | 159       | 171       | 175       | 181       | 185       | 193       | 202  |
|                                    |                          |      |                           |                                                    |                                                    | Tap 4 - Med Static Cool * | CFM                                                                    | 1212      | 1178      | 1144      | 1103      | 1064      | 1018      | 966       | 912       | 829       | 734  |
|                                    |                          |      |                           |                                                    |                                                    |                           | RPM                                                                    | 856       | 897       | 935       | 967       | 1011      | 1054      | 1102      | 1136      | 1151      | 1160 |
|                                    |                          |      | Watts                     |                                                    |                                                    | 235                       | 244                                                                    | 253       | 260       | 271       | 280       | 291       | 293       | 279       | 261       |           |      |
|                                    |                          |      | CFM                       |                                                    |                                                    | 1549                      | 1522                                                                   | 1463      | 1404      | 1339      | 1270      | 1161      | 970       | 857       | 769       |           |      |
|                                    |                          |      | RPM                       |                                                    |                                                    | 1044                      | 1074                                                                   | 1099      | 1113      | 1124      | 1134      | 1147      | 1162      | 1167      | 1174      |           |      |
|                                    |                          |      | Watts                     |                                                    |                                                    | 464                       | 472                                                                    | 467       | 452       | 432       | 411       | 378       | 325       | 298       | 281       |           |      |
|                                    |                          |      | CFM                       |                                                    |                                                    | 967                       | 917                                                                    | 840       | 779       | 708       | 580       | 492       | 419       | 335       | 300       |           |      |
|                                    |                          |      | RPM                       |                                                    |                                                    | 615                       | 658                                                                    | 718       | 771       | 817       | 855       | 887       | 911       | 929       | 943       |           |      |
|                                    | Watts                    | 118  | 126                       | 136                                                | 145                                                | 152                       | 160                                                                    | 164       | 168       | 171       | 176       |           |           |           |           |           |      |
|                                    | CFM                      | 922  | 854                       | 766                                                | 698                                                | 553                       | 466                                                                    | 400       | 325       | 286       | 256       |           |           |           |           |           |      |
|                                    | RPM                      | 592  | 629                       | 700                                                | 748                                                | 796                       | 834                                                                    | 856       | 875       | 885       | 928       |           |           |           |           |           |      |
|                                    | Watts                    | 107  | 110                       | 119                                                | 127                                                | 133                       | 140                                                                    | 143       | 147       | 149       | 153       |           |           |           |           |           |      |
|                                    | CFM                      | 1152 | 1116                      | 1071                                               | 993                                                | 939                       | 883                                                                    | 824       | 762       | 684       | 612       |           |           |           |           |           |      |
|                                    | RPM                      | 700  | 733                       | 773                                                | 831                                                | 870                       | 917                                                                    | 955       | 989       | 1025      | 1048      |           |           |           |           |           |      |
|                                    | Watts                    | 179  | 188                       | 197                                                | 206                                                | 219                       | 229                                                                    | 237       | 246       | 255       | 262       |           |           |           |           |           |      |
|                                    | CFM                      | 1336 | 1297                      | 1264                                               | 1225                                               | 1188                      | 1105                                                                   | 1043      | 984       | 931       | 867       |           |           |           |           |           |      |
|                                    | RPM                      | 771  | 804                       | 837                                                | 866                                                | 897                       | 952                                                                    | 988       | 1022      | 1056      | 1083      |           |           |           |           |           |      |
|                                    | Watts                    | 249  | 259                       | 271                                                | 278                                                | 285                       | 300                                                                    | 315       | 319       | 328       | 337       |           |           |           |           |           |      |
|                                    | CFM                      | 1486 | 1449                      | 1418                                               | 1386                                               | 1351                      | 1311                                                                   | 1240      | 1189      | 1135      | 1098      |           |           |           |           |           |      |
|                                    | RPM                      | 840  | 874                       | 902                                                | 930                                                | 958                       | 988                                                                    | 1036      | 1069      | 1100      | 1130      |           |           |           |           |           |      |
|                                    | Watts                    | 332  | 344                       | 353                                                | 364                                                | 374                       | 384                                                                    | 398       | 412       | 422       | 433       |           |           |           |           |           |      |
|                                    | CFM                      | 1517 | 1493                      | 1465                                               | 1429                                               | 1401                      | 1364                                                                   | 1294      | 1249      | 1203      | 1148      |           |           |           |           |           |      |
|                                    | RPM                      | 868  | 893                       | 922                                                | 947                                                | 973                       | 1003                                                                   | 1052      | 1088      | 1113      | 1145      |           |           |           |           |           |      |
|                                    | Watts                    | 362  | 371                       | 380                                                | 391                                                | 400                       | 411                                                                    | 430       | 443       | 453       | 462       |           |           |           |           |           |      |

[ ] Designates Metric Conversions

| INDOOR AIRFLOW PERFORMANCE RGEAYB ULN (208/230V, 1 & 3-PHASE) CONSTANT TORQUE MOTOR |                          |                |                           |                                                    |                                                     |                        |                                                                        |           |           |           |           |           |           |           |           |           |      |
|-------------------------------------------------------------------------------------|--------------------------|----------------|---------------------------|----------------------------------------------------|-----------------------------------------------------|------------------------|------------------------------------------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------|
| Nominal Cooling Capacity Tons [kW]                                                  | Motor Speed from Factory |                | Heating Input BTU/HR [kW] | Manufacturer Recommended Cooling Airflow (Min/Max) | Blower Size, Motor HP [W] & # of Speeds             | Motor Tap - Usage      | External Static Pressure - Inches W.C. [kPa] (Side Discharge-Dry Coil) |           |           |           |           |           |           |           |           |           |      |
|                                                                                     | Cool                     | Heat           |                           |                                                    |                                                     |                        | 0.1 [.02]                                                              | 0.2 [.05] | 0.3 [.07] | 0.4 [.10] | 0.5 [.12] | 0.6 [.15] | 0.7 [.17] | 0.8 [.20] | 0.9 [.22] | 1.0 [.25] |      |
| 3.5 [12.31]                                                                         |                          |                |                           | 1225 CFM / 1575 CFM                                | 12x9T Blower 3/4 HP [559] 5 Speed (Constant Torque) | Tap 1 - FAN            | CFM                                                                    | 1130      | 1077      | 1027      | 946       | 841       | 764       | 692       | 634       | 551       | 497  |
|                                                                                     |                          |                |                           |                                                    |                                                     |                        | RPM                                                                    | 647       | 685       | 723       | 770       | 822       | 854       | 905       | 929       | 956       | 974  |
|                                                                                     |                          |                |                           |                                                    |                                                     |                        | Watts                                                                  | 148       | 155       | 164       | 174       | 182       | 190       | 198       | 206       | 210       | 215  |
|                                                                                     |                          |                |                           |                                                    |                                                     |                        | CFM                                                                    | 1317      | 1266      | 1226      | 1170      | 1105      | 1032      | 945       | 873       | 817       | 748  |
|                                                                                     |                          |                |                           |                                                    |                                                     |                        | RPM                                                                    | 718       | 753       | 785       | 821       | 863       | 904       | 947       | 977       | 1001      | 1051 |
|                                                                                     | Tap 3                    | Tap 2 - 80K    | Watts                     |                                                    |                                                     | 213                    | 221                                                                    | 231       | 239       | 250       | 261       | 271       | 280       | 286       | 298       |           |      |
|                                                                                     |                          |                | CFM                       |                                                    |                                                     | 1557                   | 1517                                                                   | 1475      | 1436      | 1398      | 1352      | 1306      | 1245      | 1178      | 1119      |           |      |
|                                                                                     |                          |                | RPM                       |                                                    |                                                     | 821                    | 849                                                                    | 882       | 908       | 936       | 966       | 997       | 1033      | 1068      | 1102      |           |      |
|                                                                                     |                          |                | Watts                     |                                                    |                                                     | 330                    | 339                                                                    | 350       | 360       | 370       | 381       | 390       | 403       | 415       | 428       |           |      |
|                                                                                     |                          |                | CFM                       |                                                    |                                                     | 1703                   | 1659                                                                   | 1624      | 1589      | 1549      | 1508      | 1469      | 1424      | 1351      | 1263      |           |      |
| 4.0 [14.07]                                                                         |                          |                | 1400 CFM / 1800 CFM       | 12x9R Blower 1 HP [746] 5 Speed (Constant Torque)  | Tap 1 - FAN                                         | RPM                    | 870                                                                    | 900       | 926       | 952       | 979       | 1009      | 1033      | 1062      | 1102      | 1121      |      |
|                                                                                     |                          |                |                           |                                                    |                                                     | Watts                  | 407                                                                    | 418       | 430       | 439       | 451       | 462       | 472       | 483       | 497       | 484       |      |
|                                                                                     |                          |                |                           |                                                    |                                                     | CFM                    | 1832                                                                   | 1807      | 1775      | 1740      | 1704      | 1672      | 1639      | 1583      | 1505      | 1348      |      |
|                                                                                     |                          |                |                           |                                                    |                                                     | RPM                    | 940                                                                    | 961       | 984       | 1009      | 1033      | 1061      | 1083      | 1103      | 1119      | 1136      |      |
|                                                                                     |                          |                |                           |                                                    |                                                     | Watts                  | 519                                                                    | 530       | 540       | 552       | 562       | 577       | 586       | 583       | 570       | 531       |      |
|                                                                                     | Tap 3 - Low Stage        | Tap 2 - 80K    |                           |                                                    | CFM                                                 | 1174                   | 1130                                                                   | 1076      | 1026      | 947       | 872       | 810       | 744       | 689       | 641       |           |      |
|                                                                                     |                          |                |                           |                                                    | RPM                                                 | 664                    | 696                                                                    | 729       | 759       | 800       | 828       | 860       | 897       | 924       | 942       |           |      |
|                                                                                     |                          |                |                           |                                                    | Watts                                               | 166                    | 173                                                                    | 180       | 187       | 195       | 201       | 208       | 217       | 223       | 227       |           |      |
|                                                                                     |                          |                |                           |                                                    | CFM                                                 | 1262                   | 1220                                                                   | 1175      | 1117      | 1058      | 993       | 923       | 870       | 805       | 751       |           |      |
|                                                                                     |                          |                |                           |                                                    | RPM                                                 | 695                    | 726                                                                    | 756       | 788       | 824       | 856       | 884       | 908       | 948       | 974       |           |      |
| Tap 4 - High Stage                                                                  |                          | 80,000 [23.45] | 1400 CFM / 1800 CFM       | 12x9R Blower 1 HP [746] 5 Speed (Constant Torque)  | Tap 2 - 100K                                        | Watts                  | 197                                                                    | 203       | 211       | 218       | 227       | 235       | 242       | 248       | 258       | 265       |      |
|                                                                                     |                          |                |                           |                                                    |                                                     | CFM                    | 1460                                                                   | 1416      | 1385      | 1342      | 1298      | 1253      | 1200      | 1128      | 1076      | 1037      |      |
|                                                                                     |                          |                |                           |                                                    |                                                     | RPM                    | 780                                                                    | 811       | 837       | 865       | 893       | 919       | 949       | 981       | 1003      | 1024      |      |
|                                                                                     |                          |                |                           |                                                    |                                                     | Watts                  | 285                                                                    | 296       | 303       | 313       | 322       | 329       | 340       | 349       | 358       | 364       |      |
|                                                                                     |                          |                |                           |                                                    |                                                     | CFM                    | 1354                                                                   | 1316      | 1273      | 1229      | 1179      | 1121      | 1062      | 997       | 954       | 891       |      |
| Tap 4 - High Stage                                                                  |                          |                |                           |                                                    |                                                     | Tap 3 - Low Stage Cool | RPM                                                                    | 745       | 773       | 802       | 826       | 856       | 888       | 919       | 945       | 968       | 1007 |
|                                                                                     |                          |                |                           |                                                    |                                                     |                        | Watts                                                                  | 239       | 247       | 255       | 260       | 270       | 280       | 287       | 295       | 301       | 312  |
|                                                                                     |                          |                |                           |                                                    |                                                     |                        | CFM                                                                    | 1769      | 1734      | 1706      | 1665      | 1634      | 1595      | 1560      | 1526      | 1481      | 1444 |
|                                                                                     |                          |                |                           |                                                    |                                                     |                        | RPM                                                                    | 903       | 931       | 953       | 980       | 999       | 1028      | 1048      | 1071      | 1094      | 1117 |
|                                                                                     |                          |                |                           |                                                    |                                                     |                        | Watts                                                                  | 468       | 481       | 490       | 500       | 511       | 524       | 532       | 543       | 554       | 566  |
|                                                                                     |                          |                |                           |                                                    | Tap 5 - High Stage Cool                             | CFM                    | 1966                                                                   | 1938      | 1916      | 1882      | 1855      | 1822      | 1803      | 1778      | 1739      | 1700      |      |
|                                                                                     |                          |                |                           |                                                    |                                                     | RPM                    | 1003                                                                   | 1027      | 1047      | 1070      | 1091      | 1115      | 1128      | 1150      | 1172      | 1195      |      |
|                                                                                     |                          |                |                           |                                                    |                                                     |                        | Watts                                                                  | 657       | 670       | 682       | 695       | 707       | 721       | 730       | 742       | 756       | 769  |

[ ] Designates Metric Conversions

INDOOR AIRFLOW PERFORMANCE RGEAYB ULN (208/230V, 1 & 3-PHASE)  
CONSTANT TORQUE MOTOR (CONTINUED)

| Nominal Cooling Capacity Tons [kW] | Motor Speed from Factory |       | Recommended Speed Tap for Field Installed Heater Kit | Manufacturer Recommended Cooling Airflow (Min/Max) | Blower Size, Motor HP [W] & # of Speeds           | Motor Tap - Usage | External Static Pressure - Inches W.C. [kPa]<br>(Side Discharge-Dry Coil) |           |           |           |           |           |           |           |           |           |      |
|------------------------------------|--------------------------|-------|------------------------------------------------------|----------------------------------------------------|---------------------------------------------------|-------------------|---------------------------------------------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------|
|                                    |                          |       |                                                      |                                                    |                                                   |                   | 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] |      |
|                                    | Cool                     | Heat  |                                                      |                                                    |                                                   |                   |                                                                           |           |           |           |           |           |           |           |           |           |      |
| 5.0 [17.59]                        | Tap 3 - Low Stage        |       |                                                      | 1750 CFM / 2250 CFM                                | 12x9R Blower 1 HP [746] 5 Speed (Constant Torque) | Tap 1 - FAN       | CFM                                                                       | 1171      | 1124      | 1068      | 1012      | 943       | 886       | 829       | 766       | 702       | 642  |
|                                    |                          |       | RPM                                                  |                                                    |                                                   | 659               | 692                                                                       | 727       | 762       | 800       | 829       | 857       | 891       | 924       | 953       |           |      |
|                                    |                          |       | Watts                                                |                                                    |                                                   | 166               | 173                                                                       | 181       | 190       | 197       | 204       | 209       | 218       | 225       | 233       |           |      |
|                                    |                          |       | CFM                                                  |                                                    |                                                   | 1567              | 1532                                                                      | 1495      | 1460      | 1418      | 1383      | 1340      | 1291      | 1244      | 1186      |           |      |
|                                    | Tap 4 - High Stage       | Tap 2 | 100,000 [29.31]                                      |                                                    |                                                   |                   | RPM                                                                       | 828       | 854       | 879       | 907       | 935       | 960       | 985       | 1012      | 1042      | 1070 |
|                                    |                          |       |                                                      |                                                    |                                                   |                   | Watts                                                                     | 350       | 361       | 371       | 380       | 391       | 400       | 410       | 420       | 430       | 442  |
|                                    |                          |       |                                                      |                                                    |                                                   |                   | CFM                                                                       | 1419      | 1381      | 1350      | 1301      | 1256      | 1207      | 1140      | 1086      | 1035      | 977  |
|                                    |                          |       |                                                      |                                                    |                                                   |                   | RPM                                                                       | 763       | 791       | 817       | 847       | 876       | 909       | 943       | 970       | 995       | 1020 |
|                                    |                          |       |                                                      |                                                    |                                                   |                   | Watts                                                                     | 268       | 277       | 285       | 295       | 304       | 314       | 323       | 332       | 340       | 348  |
|                                    |                          |       |                                                      |                                                    |                                                   |                   | CFM                                                                       | 1938      | 1904      | 1873      | 1841      | 1813      | 1811      | 1754      | 1726      | 1694      | 1661 |
|                                    |                          |       |                                                      | RPM                                                | 976                                               | 1002              | 1019                                                                      | 1043      | 1063      | 1065      | 1107      | 1136      | 1159      | 1180      |           |           |      |
|                                    |                          |       |                                                      | Watts                                              | 622                                               | 638               | 645                                                                       | 657       | 669       | 670       | 693       | 707       | 725       | 737       |           |           |      |
|                                    |                          |       |                                                      | CFM                                                | 2138                                              | 2106              | 2084                                                                      | 2050      | 2025      | 1990      | 1963      | 1943      | 1914      | 1891      |           |           |      |
|                                    |                          |       |                                                      | RPM                                                | 1057                                              | 1075              | 1094                                                                      | 1117      | 1134      | 1162      | 1186      | 1206      | 1229      | 1245      |           |           |      |
|                                    |                          |       |                                                      | Watts                                              | 823                                               | 833               | 848                                                                       | 860       | 873       | 891       | 908       | 924       | 941       | 953       |           |           |      |

NOTES: 1. FOR CONSTANT TORQUE MOTORS: Use motor taps 3-5 to achieve rated airflow at AHRI minimum external static pressure.

(a) Use \* marked tap for AHRI 210/240-2023

2. Grayed out portions not recommended for use in field

| DOWN DISCHARGE PRESSURE DROP (ADD TO EXTERNAL STATIC PRESSURE) |            |            |            |            |            |            |
|----------------------------------------------------------------|------------|------------|------------|------------|------------|------------|
| CFM [L/s]                                                      | 800 [378]  | 1000 [472] | 1200 [566] | 1400 [661] | 1600 [755] | 2000 [944] |
| Pressure Drop—Includes W.C. [kPa]                              | .02 [.005] | .05 [.012] | .07 [.017] | .1 [.025]  | .12 [.030] | .17 [.042] |

[ ] Designates Metric Conversions

INDOOR AIRFLOW PERFORMANCE RGEAYB ULN (460V, 3-PHASE) CONSTANT TORQUE MOTOR

| Nominal Cooling Capacity Tons [kW] | Motor Speed from Factory |                 | Heating Input BTU/HR [kW] | Manufacturer Recommended Cooling Airflow (Min/Max) | Blower Size, Motor HP [W] & # of Speeds                    | Motor Tap - Usage         | External Static Pressure - Inches W.C. [kPa]<br>(Side Discharge-Dry Coil) |           |           |           |           |           |           |           |           |           |      |
|------------------------------------|--------------------------|-----------------|---------------------------|----------------------------------------------------|------------------------------------------------------------|---------------------------|---------------------------------------------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------|
|                                    | Cool                     | Heat            |                           |                                                    |                                                            |                           | 0.1 [.02]                                                                 | 0.2 [.05] | 0.3 [.07] | 0.4 [.10] | 0.5 [.12] | 0.6 [.15] | 0.7 [.17] | 0.8 [.20] | 0.9 [.22] | 1.0 [.25] |      |
| 3.0<br>[10.55]                     | Tap 3                    |                 |                           | 1050 CFM / 1350 CFM                                | 12x9T Blower<br>1 HP [746]<br>5 Speed<br>(Constant Torque) | Tap 1 - FAN               | CFM                                                                       | 964       | 915       | 839       | 775       | 707       | 643       | 537       | 473       | 388       | 335  |
|                                    |                          |                 |                           |                                                    |                                                            |                           |                                                                           |           |           |           |           |           |           |           |           |           |      |
|                                    |                          | Tap 2           | 60,000 [17.58]            |                                                    |                                                            | Tap 2 - 60K               | CFM                                                                       | 942       | 882       | 801       | 733       | 661       | 532       | 453       | 376       | 320       | 300  |
|                                    |                          |                 |                           |                                                    |                                                            |                           | RPM                                                                       | 592       | 632       | 693       | 746       | 791       | 840       | 869       | 889       | 904       | 938  |
|                                    |                          |                 |                           |                                                    |                                                            |                           | Watts                                                                     | 113       | 119       | 130       | 140       | 148       | 157       | 163       | 167       | 168       | 176  |
|                                    | Tap 2                    | 80,000 [23.45]  |                           |                                                    |                                                            | Tap 2 - 80K               | CFM                                                                       | 1099      | 1066      | 1026      | 954       | 896       | 873       | 814       | 741       | 653       | 586  |
|                                    |                          |                 |                           |                                                    |                                                            |                           | RPM                                                                       | 667       | 704       | 740       | 798       | 843       | 894       | 930       | 961       | 1001      | 1025 |
|                                    |                          |                 |                           |                                                    |                                                            |                           | Watts                                                                     | 167       | 176       | 184       | 199       | 209       | 222       | 230       | 239       | 248       | 254  |
|                                    |                          |                 |                           |                                                    |                                                            | Tap 3 - Low Static Cool   | CFM                                                                       | 1285      | 1271      | 1247      | 1213      | 1159      | 1100      | 1041      | 991       | 941       | 892  |
|                                    |                          |                 |                           |                                                    |                                                            |                           | RPM                                                                       | 770       | 794       | 827       | 857       | 903       | 947       | 986       | 1019      | 1050      | 1080 |
|                                    |                          |                 |                           |                                                    |                                                            |                           | Watts                                                                     | 259       | 266       | 278       | 287       | 303       | 317       | 330       | 340       | 350       | 360  |
|                                    |                          |                 |                           |                                                    |                                                            | Tap 4 - Med Static Cool * | CFM                                                                       | 1422      | 1414      | 1396      | 1370      | 1340      | 1303      | 1244      | 1183      | 1129      | 1086 |
|                                    |                          |                 |                           |                                                    |                                                            |                           | RPM                                                                       | 841       | 860       | 884       | 914       | 940       | 970       | 1018      | 1060      | 1093      | 1122 |
|                                    |                          |                 |                           |                                                    |                                                            |                           | Watts                                                                     | 342       | 349       | 359       | 370       | 380       | 392       | 410       | 426       | 440       | 452  |
|                                    |                          |                 |                           |                                                    |                                                            | Tap 5 - High Static Cool  | CFM                                                                       | 1467      | 1459      | 1441      | 1414      | 1383      | 1354      | 1315      | 1244      | 1187      | 1125 |
|                                    |                          |                 |                           |                                                    |                                                            |                           | RPM                                                                       | 865       | 880       | 905       | 932       | 958       | 985       | 1016      | 1068      | 1108      | 1138 |
|                                    |                          |                 |                           |                                                    |                                                            |                           | Watts                                                                     | 370       | 376       | 388       | 399       | 409       | 420       | 433       | 455       | 470       | 480  |
|                                    |                          |                 |                           |                                                    |                                                            | Tap 1 - FAN               | CFM                                                                       | 1177      | 1130      | 1075      | 1024      | 949       | 886       | 832       | 773       | 700       | 663  |
|                                    |                          |                 |                           |                                                    |                                                            |                           | RPM                                                                       | 662       | 692       | 729       | 762       | 802       | 829       | 862       | 893       | 928       | 946  |
|                                    |                          |                 |                           |                                                    |                                                            |                           | Watts                                                                     | 175       | 182       | 191       | 200       | 210       | 217       | 225       | 233       | 241       | 247  |
|                                    | Tap 2                    | 80,000 [23.45]  |                           |                                                    |                                                            | Tap 2 - 80K               | CFM                                                                       | 1274      | 1233      | 1183      | 1133      | 1078      | 1016      | 949       | 899       | 843       | 781  |
|                                    |                          |                 |                           |                                                    |                                                            |                           | RPM                                                                       | 704       | 734       | 769       | 801       | 832       | 864       | 895       | 921       | 956       | 986  |
|                                    |                          |                 |                           |                                                    |                                                            |                           | Watts                                                                     | 213       | 222       | 232       | 241       | 250       | 259       | 268       | 275       | 285       | 294  |
|                                    | Tap 3 - Low Stage        | 100,000 [29.31] |                           |                                                    |                                                            | Tap 2 - 100K              | CFM                                                                       | 1413      | 1381      | 1337      | 1293      | 1244      | 1196      | 1132      | 1082      | 1034      | 991  |
|                                    |                          |                 |                           |                                                    |                                                            |                           | RPM                                                                       | 770       | 798       | 830       | 858       | 882       | 911       | 945       | 969       | 995       | 1020 |
|                                    |                          |                 |                           |                                                    |                                                            |                           | Watts                                                                     | 282       | 292       | 302       | 313       | 320       | 330       | 341       | 350       | 359       | 368  |
|                                    | Tap 4 - High Stage       |                 |                           |                                                    |                                                            | Tap 3 - Low Stage Cool    | CFM                                                                       | 1359      | 1322      | 1277      | 1232      | 1179      | 1123      | 1065      | 1021      | 964       | 918  |
|                                    |                          |                 |                           |                                                    |                                                            |                           | RPM                                                                       | 748       | 779       | 809       | 838       | 869       | 903       | 928       | 947       | 975       | 1008 |
|                                    |                          |                 |                           |                                                    |                                                            |                           | Watts                                                                     | 255       | 266       | 276       | 284       | 295       | 305       | 313       | 319       | 329       | 338  |
|                                    |                          |                 |                           |                                                    |                                                            | Tap 4 - High Stage Cool * | CFM                                                                       | 1751      | 1717      | 1680      | 1645      | 1610      | 1581      | 1534      | 1494      | 1449      | 1408 |
|                                    |                          |                 |                           |                                                    |                                                            |                           | RPM                                                                       | 901       | 925       | 951       | 976       | 1001      | 1024      | 1050      | 1075      | 1105      | 1128 |
|                                    |                          |                 |                           |                                                    |                                                            |                           | Watts                                                                     | 481       | 495       | 507       | 517       | 530       | 542       | 557       | 567       | 582       | 594  |
|                                    |                          |                 |                           |                                                    |                                                            | Tap 5 - High Stage Cool   | CFM                                                                       | 1942      | 1913      | 1884      | 1850      | 1824      | 1790      | 1759      | 1725      | 1682      | 1640 |
|                                    |                          |                 |                           |                                                    |                                                            |                           | RPM                                                                       | 991       | 1012      | 1033      | 1054      | 1075      | 1098      | 1119      | 1142      | 1163      | 1187 |
|                                    |                          |                 |                           |                                                    |                                                            | High Static               | Watts                                                                     | 654       | 669       | 680       | 693       | 706       | 717       | 728       | 743       | 753       | 765  |

[ ] Designates Metric Conversions

INDOOR AIRFLOW PERFORMANCE RGEAYB ULN (460V, 3-PHASE) CONSTANT TORQUE MOTOR

| Nominal Cooling Capacity<br>Tons [kW] | Motor Speed from Factory |      | Recommended Speed Tap for Field Installed Heater Kit | Manufacturer Recommended Cooling Airflow (Min/Max) | Blower Size, Motor HP [W] & # of Speeds                    | Motor Tap - Usage | External Static Pressure - Inches W.C. [kPa]<br>(Side Discharge-Dry Coil) |           |           |           |           |           |           |           |           |           |      |
|---------------------------------------|--------------------------|------|------------------------------------------------------|----------------------------------------------------|------------------------------------------------------------|-------------------|---------------------------------------------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------|
|                                       |                          |      |                                                      |                                                    |                                                            |                   | 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] |      |
| 5.0<br>[17.59]                        | Tap 3 - Low Stage        | Cool | Tap 2<br>100,000 [29.31]                             | 1750 CFM / 2250 CFM                                | 12x9R Blower<br>1 HP [746]<br>5 Speed<br>(Constant Torque) | Tap 1 - FAN       | CFM                                                                       | 1171      | 1124      | 1068      | 1012      | 943       | 886       | 829       | 766       | 702       | 642  |
|                                       |                          |      |                                                      |                                                    |                                                            |                   | RPM                                                                       | 659       | 692       | 727       | 762       | 800       | 829       | 857       | 891       | 924       | 953  |
|                                       |                          |      |                                                      |                                                    |                                                            |                   | Watts                                                                     | 166       | 173       | 181       | 190       | 197       | 204       | 209       | 218       | 225       | 233  |
|                                       |                          |      |                                                      |                                                    |                                                            |                   | CFM                                                                       | 1558      | 1519      | 1485      | 1454      | 1413      | 1369      | 1328      | 1280      | 1229      | 1173 |
|                                       | Tap 4 - High Stage       | Cool |                                                      |                                                    |                                                            | Tap 2 - 100K      | RPM                                                                       | 825       | 849       | 879       | 905       | 932       | 962       | 989       | 1019      | 1047      | 1073 |
|                                       |                          |      |                                                      |                                                    |                                                            |                   | Watts                                                                     | 362       | 374       | 385       | 395       | 408       | 420       | 433       | 445       | 456       | 467  |
|                                       |                          |      |                                                      |                                                    |                                                            |                   | CFM                                                                       | 1407      | 1365      | 1335      | 1294      | 1247      | 1189      | 1131      | 1081      | 1034      | 981  |
|                                       |                          |      |                                                      |                                                    |                                                            |                   | RPM                                                                       | 761       | 790       | 817       | 845       | 879       | 912       | 946       | 970       | 994       | 1031 |
|                                       | Tap 4 - High Stage       | Cool |                                                      |                                                    |                                                            |                   | Watts                                                                     | 278       | 289       | 299       | 308       | 319       | 330       | 342       | 350       | 360       | 369  |
|                                       |                          |      |                                                      |                                                    |                                                            |                   | CFM                                                                       | 1947      | 1918      | 1881      | 1858      | 1828      | 1794      | 1760      | 1732      | 1689      | 1655 |
|                                       |                          |      |                                                      |                                                    |                                                            |                   | RPM                                                                       | 981       | 1003      | 1025      | 1047      | 1069      | 1093      | 1114      | 1136      | 1157      | 1178 |
|                                       |                          |      |                                                      |                                                    |                                                            |                   | Watts                                                                     | 657       | 672       | 684       | 696       | 708       | 723       | 733       | 745       | 756       | 770  |
|                                       |                          |      |                                                      |                                                    |                                                            |                   | CFM                                                                       | 2137      | 2104      | 2078      | 2051      | 2014      | 1983      | 1954      | 1926      | 1894      | 1855 |
|                                       |                          |      |                                                      |                                                    |                                                            |                   | RPM                                                                       | 1067      | 1083      | 1097      | 1122      | 1138      | 1164      | 1182      | 1198      | 1215      | 1237 |
|                                       |                          |      |                                                      |                                                    |                                                            |                   | Watts                                                                     | 876       | 889       | 898       | 912       | 924       | 936       | 947       | 957       | 968       | 978  |

NOTES: 1. FOR CONSTANT TORQUE MOTORS: Use motor taps 3-5 to achieve rated airflow at AHRI minimum external static pressure.  
(a) Use \* marked tap for AHRI 210/240-2023  
2. Grayed out portions not recommended for use in field

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

[ ] Designates Metric Conversions

## ELECTRICAL DATA - RGEAYB SERIES

|                  |                                            | 024AJT041/X | 024AJT04U | 024AJT061/X | 024AJT06U | 024AJT081/X | 030ACT041/X | 030ACT04U | 030ACT061/X | 030ACT06U |
|------------------|--------------------------------------------|-------------|-----------|-------------|-----------|-------------|-------------|-----------|-------------|-----------|
| Unit Information | Unit Operating Voltage Range               | 187-253     | 187-253   | 187-253     | 187-253   | 187-253     | 187-253     | 187-253   | 187-253     | 187-253   |
|                  | Volts                                      | 208/230     | 208/230   | 208/230     | 208/230   | 208/230     | 208/230     | 208/230   | 208/230     | 208/230   |
|                  | Phase                                      | 1           | 1         | 1           | 1         | 1           | 3           | 3         | 3           | 3         |
|                  | Hz                                         | 60          | 60        | 60          | 60        | 60          | 60          | 60        | 60          | 60        |
|                  | Minimum Circuit Ampacity                   | 19          | 19        | 19          | 19        | 19          | 18          | 18        | 18          | 18        |
|                  | Minimum Overcurrent Protection Device Size | 25          | 25        | 25          | 25        | 25          | 20          | 20        | 20          | 20        |
| Compressor Motor | Maximum Overcurrent Protection Device Size | 25          | 25        | 25          | 25        | 25          | 25          | 25        | 25          | 25        |
|                  | No.                                        | 1           | 1         | 1           | 1         | 1           | 1           | 1         | 1           | 1         |
|                  | Volts                                      | 208/230     | 208/230   | 208/230     | 208/230   | 208/230     | 208/230     | 208/230   | 208/230     | 208/230   |
|                  | Phase                                      | 1           | 1         | 1           | 1         | 1           | 3           | 3         | 3           | 3         |
|                  | RPM                                        | 3500        | 3500      | 3500        | 3500      | 3500        | 3500        | 3500      | 3500        | 3500      |
|                  | Amps (RLA), Comp. 1                        | 11.4        | 11.4      | 11.4        | 11.4      | 11.4        | 9.6         | 9.6       | 9.6         | 9.6       |
|                  | Amps (LRA), Comp. 1                        | 64.4        | 64.4      | 64.4        | 64.4      | 64.4        | 70          | 70        | 70          | 70        |
|                  | HP, Compressor 2                           | N/A         | N/A       | N/A         | N/A       | N/A         | N/A         | N/A       | N/A         | N/A       |
|                  | Amps (RLA), Comp. 2                        | N/A         | N/A       | N/A         | N/A       | N/A         | N/A         | N/A       | N/A         | N/A       |
| Condenser Motor  | Amps (LRA), Comp. 2                        | N/A         | N/A       | N/A         | N/A       | N/A         | N/A         | N/A       | N/A         | N/A       |
|                  | No.                                        | 1           | 1         | 1           | 1         | 1           | 1           | 1         | 1           | 1         |
|                  | Volts                                      | 208/230     | 208/230   | 208/230     | 208/230   | 208/230     | 208/230     | 208/230   | 208/230     | 208/230   |
|                  | Phase                                      | 1           | 1         | 1           | 1         | 1           | 1           | 1         | 1           | 1         |
|                  | HP                                         | 1/3         | 1/3       | 1/3         | 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         | 1.5       | 1.5         | 1.5       |
| Evaporator Fan   | Amps (LRA, each)                           | 3           | 3         | 3           | 3         | 3           | 3           | 3         | 3           | 3         |
|                  | No.                                        | 1           | 1         | 1           | 1         | 1           | 1           | 1         | 1           | 1         |
|                  | Volts                                      | 208/230     | 208/230   | 208/230     | 208/230   | 208/230     | 208/230     | 208/230   | 208/230     | 208/230   |
|                  | Phase                                      | 1           | 1         | 1           | 1         | 1           | 1           | 1         | 1           | 1         |
|                  | HP                                         | 1/3         | 1/3       | 1/3         | 1/3       | 1/3         | 1/2         | 1/2       | 1/2         | 1/2       |
|                  | Amps (FLA, each)                           | 2.8         | 2.8       | 2.8         | 2.8       | 2.8         | 4.1         | 4.1       | 4.1         | 4.1       |
|                  | Amps (LRA, each)                           | N/A         | N/A       | N/A         | N/A       | N/A         | N/A         | N/A       | N/A         | N/A       |

| ELECTRICAL DATA - RGEAYB SERIES |                                            |             |             |           |             |           |             |             |           |             |
|---------------------------------|--------------------------------------------|-------------|-------------|-----------|-------------|-----------|-------------|-------------|-----------|-------------|
|                                 |                                            | 030ACT081/X | 030AJT041/X | 030AJT04U | 030AJT061/X | 030AJT06U | 030AJT081/X | 036ACT061/X | 036ACT06U | 036ACT081/X |
| Unit Information                | Unit Operating Voltage Range               | 187-253     | 187-253     | 187-253   | 187-253     | 187-253   | 187-253     | 187-253     | 187-253   | 187-253     |
|                                 | Volts                                      | 208/230     | 208/230     | 208/230   | 208/230     | 208/230   | 208/230     | 208/230     | 208/230   | 208/230     |
|                                 | Phase                                      | 3           | 1           | 1         | 1           | 1         | 1           | 3           | 3         | 3           |
|                                 | Hz                                         | 60          | 60          | 60        | 60          | 60        | 60          | 60          | 60        | 60          |
|                                 | Minimum Circuit Ampacity                   | 18          | 22          | 22        | 22          | 22        | 22          | 25          | 25        | 25          |
|                                 | Minimum Overcurrent Protection Device Size | 20          | 25          | 25        | 25          | 25        | 25          | 30          | 30        | 30          |
|                                 | Maximum Overcurrent Protection Device Size | 25          | 30          | 30        | 30          | 30        | 30          | 35          | 35        | 35          |
| Compressor Motor                | No.                                        | 1           | 1           | 1         | 1           | 1         | 1           | 1           | 1         | 1           |
|                                 | Volts                                      | 208/230     | 208/230     | 208/230   | 208/230     | 208/230   | 208/230     | 208/230     | 208/230   | 208/230     |
|                                 | Phase                                      | 3           | 1           | 1         | 1           | 1         | 1           | 3           | 3         | 3           |
|                                 | RPM                                        | 3500        | 3500        | 3500      | 3500        | 3500      | 3500        | 3500        | 3500      | 3500        |
|                                 | Amps (RLA), Comp. 1                        | 9.6         | 12.7        | 12.7      | 12.7        | 12.7      | 12.7        | 12.2        | 12.2      | 12.2        |
|                                 | Amps (LRA), Comp. 1                        | 70          | 75.6        | 75.6      | 75.6        | 75.6      | 75.6        | 97.5        | 97.5      | 97.5        |
|                                 | HP, Compressor 2                           | N/A         | N/A         | N/A       | N/A         | N/A       | N/A         | N/A         | N/A       | N/A         |
|                                 | Amps (RLA), Comp. 2                        | N/A         | N/A         | N/A       | N/A         | N/A       | N/A         | N/A         | N/A       | N/A         |
|                                 | Amps (LRA), Comp. 2                        | N/A         | N/A         | N/A       | N/A         | N/A       | N/A         | N/A         | N/A       | N/A         |
| Condenser Motor                 | No.                                        | 1           | 1           | 1         | 1           | 1         | 1           | 1           | 1         | 1           |
|                                 | Volts                                      | 208/230     | 208/230     | 208/230   | 208/230     | 208/230   | 208/230     | 208/230     | 208/230   | 208/230     |
|                                 | Phase                                      | 1           | 1           | 1         | 1           | 1         | 1           | 1           | 1         | 1           |
|                                 | HP                                         | 1/3         | 1/3         | 1/3       | 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         | 1.5         | 1.5       | 1.5         |
|                                 | Amps (LRA, each)                           | 3           | 3           | 3         | 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   | 208/230     | 208/230   | 208/230     | 208/230     | 208/230   | 208/230     |
|                                 | Phase                                      | 1           | 1           | 1         | 1           | 1         | 1           | 1           | 1         | 1           |
|                                 | HP                                         | 1/2         | 1/2         | 1/2       | 1/2         | 1/2       | 1/2         | 1           | 1         | 1           |
|                                 | Amps (FLA, each)                           | 4.1         | 4.1         | 4.1       | 4.1         | 4.1       | 4.1         | 7.6         | 7.6       | 7.6         |
|                                 | Amps (LRA, each)                           | N/A         | N/A         | N/A       | N/A         | N/A       | N/A         | N/A         | N/A       | N/A         |

## ELECTRICAL DATA - RGEAYB SERIES

|                  |                                            | 036ACT08U | 036ACT101/X | 036ADT061/X | 036ADT06U | 036ADT081/X | 036ADT08U | 036ADT101/X | 036AJT061/X | 036AJT06U |
|------------------|--------------------------------------------|-----------|-------------|-------------|-----------|-------------|-----------|-------------|-------------|-----------|
| Unit Information | Unit Operating Voltage Range               | 187-253   | 187-253     | 414-506     | 414-506   | 414-506     | 414-506   | 414-506     | 187-253     | 187-253   |
|                  | Volts                                      | 208/230   | 208/230     | 460         | 460       | 460         | 460       | 460         | 208/230     | 208/230   |
|                  | Phase                                      | 3         | 3           | 3           | 3         | 3           | 3         | 3           | 1           | 1         |
|                  | Hz                                         | 60        | 60          | 60          | 60        | 60          | 60        | 60          | 60          | 60        |
|                  | Minimum Circuit Ampacity                   | 25        | 25          | 12          | 12        | 12          | 12        | 12          | 30          | 30        |
|                  | Minimum Overcurrent Protection Device Size | 30        | 30          | 15          | 15        | 15          | 15        | 15          | 35          | 35        |
| Compressor Motor | Maximum Overcurrent Protection Device Size | 35        | 35          | 15          | 15        | 15          | 15        | 15          | 45          | 45        |
|                  | No.                                        | 1         | 1           | 1           | 1         | 1           | 1         | 1           | 1           | 1         |
|                  | Volts                                      | 208/230   | 208/230     | 460         | 460       | 460         | 460       | 460         | 208/230     | 208/230   |
|                  | Phase                                      | 3         | 3           | 3           | 3         | 3           | 3         | 3           | 1           | 1         |
|                  | RPM                                        | 3500      | 3500        | 3500        | 3500      | 3500        | 3500      | 3500        | 3500        | 3500      |
|                  | Amps (RLA), Comp. 1                        | 12.2      | 12.2        | 5.8         | 5.8       | 5.8         | 5.8       | 5.8         | 16.7        | 16.7      |
|                  | Amps (LRA), Comp. 1                        | 97.5      | 97.5        | 44.3        | 44.3      | 44.3        | 44.3      | 44.3        | 93.5        | 93.5      |
|                  | HP, Compressor 2                           | N/A       | N/A         | N/A         | N/A       | N/A         | N/A       | N/A         | N/A         | N/A       |
|                  | Amps (RLA), Comp. 2                        | N/A       | N/A         | N/A         | N/A       | N/A         | N/A       | N/A         | N/A         | N/A       |
| Condenser Motor  | Amps (LRA), Comp. 2                        | N/A       | N/A         | N/A         | N/A       | N/A         | N/A       | N/A         | N/A         | N/A       |
|                  | No.                                        | 1         | 1           | 1           | 1         | 1           | 1         | 1           | 1           | 1         |
|                  | Volts                                      | 208/230   | 208/230     | 460         | 460       | 460         | 460       | 460         | 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         | 0.8         | 0.8       | 0.8         | 0.8       | 0.8         | 1.5         | 1.5       |
| Evaporator Fan   | Amps (LRA, each)                           | 3         | 3           | 1.6         | 1.6       | 1.6         | 1.6       | 1.6         | 3           | 3         |
|                  | No.                                        | 1         | 1           | 1           | 1         | 1           | 1         | 1           | 1           | 1         |
|                  | Volts                                      | 208/230   | 208/230     | 460         | 460       | 460         | 460       | 460         | 208/230     | 208/230   |
|                  | Phase                                      | 1         | 1           | 1           | 1         | 1           | 1         | 1           | 1           | 1         |
|                  | HP                                         | 1         | 1           | 1           | 1         | 1           | 1         | 1           | 1           | 1         |
|                  | Amps (FLA, each)                           | 7.6       | 7.6         | 3.5         | 3.5       | 3.5         | 3.5       | 3.5         | 7.6         | 7.6       |
| Evaporator Fan   | Amps (LRA, each)                           | N/A       | N/A         | N/A         | N/A       | N/A         | N/A       | N/A         | N/A         | N/A       |

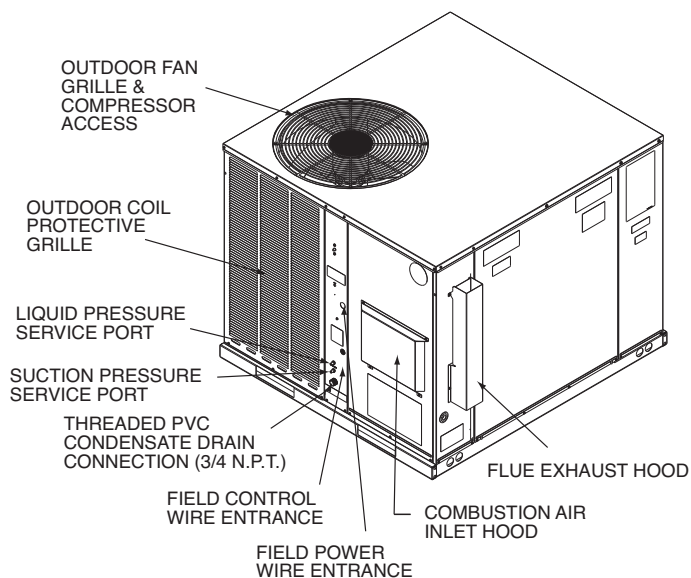
| ELECTRICAL DATA - RGEAYB SERIES |                                            |             |           |             |             |           |             |             |           |             |
|---------------------------------|--------------------------------------------|-------------|-----------|-------------|-------------|-----------|-------------|-------------|-----------|-------------|
|                                 |                                            | 036AJT081/X | 036AJT08U | 036AJT101/X | 042ACT081/X | 042ACT08U | 042ACT101/X | 042AJT081/X | 042AJT08U | 042AJT101/X |
| Unit Information                | Unit Operating Voltage Range               | 187-253     | 187-253   | 187-253     | 187-253     | 187-253   | 187-253     | 187-253     | 187-253   | 187-253     |
|                                 | Volts                                      | 208/230     | 208/230   | 208/230     | 208/230     | 208/230   | 208/230     | 208/230     | 208/230   | 208/230     |
|                                 | Phase                                      | 1           | 1         | 1           | 3           | 3         | 3           | 1           | 1         | 1           |
|                                 | Hz                                         | 60          | 60        | 60          | 60          | 60        | 60          | 60          | 60        | 60          |
|                                 | Minimum Circuit Ampacity                   | 30          | 30        | 30          | 24          | 24        | 24          | 30          | 30        | 30          |
|                                 | Minimum Overcurrent Protection Device Size | 35          | 35        | 35          | 30          | 30        | 30          | 35          | 35        | 35          |
|                                 | Maximum Overcurrent Protection Device Size | 45          | 45        | 45          | 35          | 35        | 35          | 45          | 45        | 45          |
| Compressor Motor                | No.                                        | 1           | 1         | 1           | 1           | 1         | 1           | 1           | 1         | 1           |
|                                 | Volts                                      | 208/230     | 208/230   | 208/230     | 208/230     | 208/230   | 208/230     | 208/230     | 208/230   | 208/230     |
|                                 | Phase                                      | 1           | 1         | 1           | 3           | 3         | 3           | 1           | 1         | 1           |
|                                 | RPM                                        | 3500        | 3500      | 3500        | 3500        | 3500      | 3500        | 3500        | 3500      | 3500        |
|                                 | Amps (RLA), Comp. 1                        | 16.7        | 16.7      | 16.7        | 12.8        | 12.8      | 12.8        | 17.3        | 17.3      | 17.3        |
|                                 | Amps (LRA), Comp. 1                        | 93.5        | 93.5      | 93.5        | 102.8       | 102.8     | 102.8       | 123         | 123       | 123         |
|                                 | HP, Compressor 2                           | N/A         | N/A       | N/A         | N/A         | N/A       | N/A         | N/A         | N/A       | N/A         |
|                                 | Amps (RLA), Comp. 2                        | N/A         | N/A       | N/A         | N/A         | N/A       | N/A         | N/A         | N/A       | N/A         |
|                                 | Amps (LRA), Comp. 2                        | N/A         | N/A       | N/A         | N/A         | N/A       | N/A         | N/A         | N/A       | N/A         |
| Condenser Motor                 | No.                                        | 1           | 1         | 1           | 1           | 1         | 1           | 1           | 1         | 1           |
|                                 | Volts                                      | 208/230     | 208/230   | 208/230     | 208/230     | 208/230   | 208/230     | 208/230     | 208/230   | 208/230     |
|                                 | Phase                                      | 1           | 1         | 1           | 1           | 1         | 1           | 1           | 1         | 1           |
|                                 | HP                                         | 1/3         | 1/3       | 1/3         | 1/3         | 1/3       | 1/3         | 1/3         | 1/3       | 1/3         |
|                                 | Amps (FLA, each)                           | 1.5         | 1.5       | 1.5         | 2           | 2         | 2           | 2           | 2         | 2           |
|                                 | Amps (LRA, each)                           | 3           | 3         | 3           | 3.9         | 3.9       | 3.9         | 3.9         | 3.9       | 3.9         |
| Evaporator Fan                  | No.                                        | 1           | 1         | 1           | 1           | 1         | 1           | 1           | 1         | 1           |
|                                 | Volts                                      | 208/230     | 208/230   | 208/230     | 208/230     | 208/230   | 208/230     | 208/230     | 208/230   | 208/230     |
|                                 | Phase                                      | 1           | 1         | 1           | 1           | 1         | 1           | 1           | 1         | 1           |
|                                 | HP                                         | 1           | 1         | 1           | 3/4         | 3/4       | 3/4         | 3/4         | 3/4       | 3/4         |
|                                 | Amps (FLA, each)                           | 7.6         | 7.6       | 7.6         | 6           | 6         | 6           | 6           | 6         | 6           |
|                                 | Amps (LRA, each)                           | N/A         | N/A       | N/A         | N/A         | N/A       | N/A         | N/A         | N/A       | N/A         |

## ELECTRICAL DATA - RGEAYB SERIES

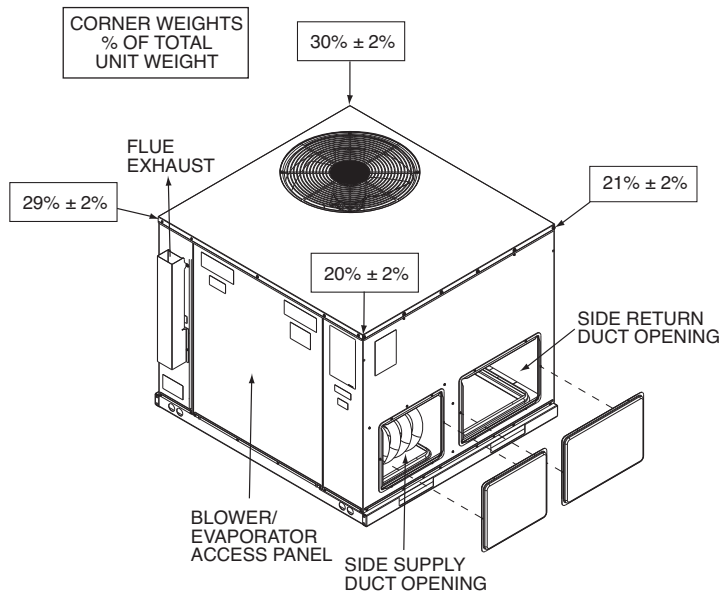
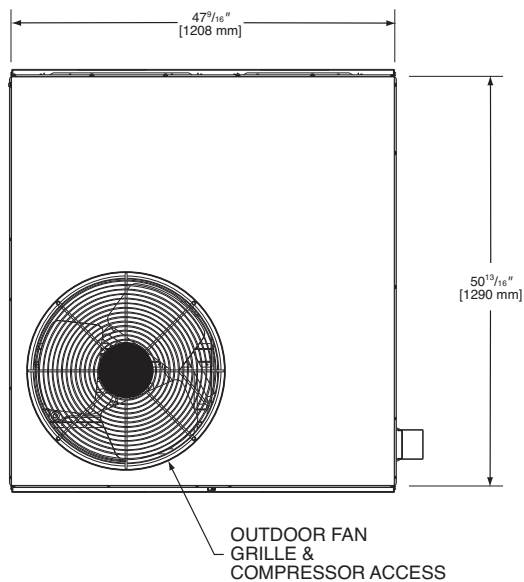
|                  |                                            | 048ACT081/X | 048ACT08U | 048ACT101/X | 048ACT10U | 048ADT081/X | 048ADT101/X | 048ADT10U | 048AJT081/X | 048AJT08U |
|------------------|--------------------------------------------|-------------|-----------|-------------|-----------|-------------|-------------|-----------|-------------|-----------|
| Unit Information | Unit Operating Voltage Range               | 187-253     | 187-253   | 187-253     | 187-253   | 414-506     | 414-506     | 414-506   | 187-253     | 187-253   |
|                  | Volts                                      | 208/230     | 208/230   | 208/230     | 208/230   | 460         | 460         | 460       | 208/230     | 208/230   |
|                  | Phase                                      | 3           | 3         | 3           | 3         | 3           | 3           | 3         | 1           | 1         |
|                  | Hz                                         | 60          | 60        | 60          | 60        | 60          | 60          | 60        | 60          | 60        |
|                  | Minimum Circuit Ampacity                   | 27          | 27        | 27          | 27        | 14          | 14          | 14        | 37          | 37        |
|                  | Minimum Overcurrent Protection Device Size | 35          | 35        | 35          | 35        | 20          | 20          | 20        | 45          | 45        |
| Compressor Motor | Maximum Overcurrent Protection Device Size | 35          | 35        | 35          | 35        | 20          | 20          | 20        | 50          | 50        |
|                  | No.                                        | 1           | 1         | 1           | 1         | 1           | 1           | 1         | 1           | 1         |
|                  | Volts                                      | 208/230     | 208/230   | 208/230     | 208/230   | 460         | 460         | 460       | 208/230     | 208/230   |
|                  | Phase                                      | 3           | 3         | 3           | 3         | 3           | 3           | 3         | 1           | 1         |
|                  | RPM                                        | 3500        | 3500      | 3500        | 3500      | 3500        | 3500        | 3500      | 3500        | 3500      |
|                  | Amps (RLA), Comp. 1                        | 12.1        | 12.1      | 12.1        | 12.1      | 7.1         | 7.1         | 7.1       | 20.1        | 20.1      |
|                  | Amps (LRA), Comp. 1                        | 123         | 123       | 123         | 123       | 60          | 60          | 60        | 141         | 141       |
|                  | HP, Compressor 2                           | N/A         | N/A       | N/A         | N/A       | N/A         | N/A         | N/A       | N/A         | N/A       |
|                  | Amps (RLA), Comp. 2                        | N/A         | N/A       | N/A         | N/A       | N/A         | N/A         | N/A       | N/A         | N/A       |
|                  | Amps (LRA), Comp. 2                        | N/A         | N/A       | N/A         | N/A       | N/A         | N/A         | N/A       | N/A         | N/A       |
| Condenser Motor  | No.                                        | 1           | 1         | 1           | 1         | 1           | 1           | 1         | 1           | 1         |
|                  | Volts                                      | 208/230     | 208/230   | 208/230     | 208/230   | 460         | 460         | 460       | 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)                           | 2           | 2         | 2           | 2         | 1           | 1           | 1         | 2           | 2         |
|                  | Amps (LRA, each)                           | 3.9         | 3.9       | 3.9         | 3.9       | 2.2         | 2.2         | 2.2       | 3.9         | 3.9       |
| Evaporator Fan   | No.                                        | 1           | 1         | 1           | 1         | 1           | 1           | 1         | 1           | 1         |
|                  | Volts                                      | 208/230     | 208/230   | 208/230     | 208/230   | 460         | 460         | 460       | 208/230     | 208/230   |
|                  | Phase                                      | 1           | 1         | 1           | 1         | 1           | 1           | 1         | 1           | 1         |
|                  | HP                                         | 1           | 1         | 1           | 1         | 1           | 1           | 1         | 1           | 1         |
|                  | Amps (FLA, each)                           | 7.6         | 7.6       | 7.6         | 7.6       | 3.5         | 3.5         | 3.5       | 8.9         | 8.9       |
|                  | Amps (LRA, each)                           | N/A         | N/A       | N/A         | N/A       | N/A         | N/A         | N/A       | N/A         | N/A       |

| ELECTRICAL DATA - RGEAYB SERIES |                                            |             |           |             |             |           |             |             |           |             |
|---------------------------------|--------------------------------------------|-------------|-----------|-------------|-------------|-----------|-------------|-------------|-----------|-------------|
|                                 |                                            | 048AJT101/X | 048AJT10U | 060ACT081/X | 060ACT101/X | 060ACT10U | 060ADT081/X | 060ADT101/X | 060ADT10U | 060AJT081/X |
| Unit Information                | Unit Operating Voltage Range               | 208/230     | 208/230   | 208/230     | 208/230     | 208/230   | 460         | 460         | 460       | 208/230     |
|                                 | Volts                                      | 1           | 1         | 3           | 3           | 3         | 3           | 3           | 3         | 1           |
|                                 | Phase                                      | 60          | 60        | 60          | 60          | 60        | 60          | 60          | 60        | 60          |
|                                 | Hz                                         | 37          | 37        | 29          | 29          | 29        | 14          | 14          | 14        | 43          |
|                                 | Minimum Circuit Ampacity                   | 45          | 45        | 35          | 35          | 35        | 20          | 20          | 20        | 50          |
|                                 | Minimum Overcurrent Protection Device Size | 50          | 50        | 40          | 40          | 40        | 20          | 20          | 20        | 60          |
|                                 | Maximum Overcurrent Protection Device Size | 1           | 1         | 1           | 1           | 1         | 1           | 1           | 1         | 1           |
| Compressor Motor                | No.                                        | 208/230     | 208/230   | 208/230     | 208/230     | 208/230   | 460         | 460         | 460       | 208/230     |
|                                 | Volts                                      | 1           | 1         | 3           | 3           | 3         | 3           | 3           | 3         | 1           |
|                                 | Phase                                      | 3500        | 3500      | 3500        | 3500        | 3500      | 3500        | 3500        | 3500      | 3500        |
|                                 | RPM                                        | 20.1        | 20.1      | 13.8        | 13.8        | 13.8      | 6.9         | 6.9         | 6.9       | 25.2        |
|                                 | Amps (RLA), Comp. 1                        | 141         | 141       | 150         | 150         | 150       | 60          | 60          | 60        | 147.3       |
|                                 | Amps (LRA), Comp. 1                        | N/A         | N/A       | N/A         | N/A         | N/A       | N/A         | N/A         | N/A       | N/A         |
|                                 | HP, Compressor 2                           | N/A         | N/A       | N/A         | N/A         | N/A       | N/A         | N/A         | N/A       | N/A         |
|                                 | Amps (RLA), Comp. 2                        | N/A         | N/A       | N/A         | N/A         | N/A       | N/A         | N/A         | N/A       | N/A         |
|                                 | Amps (LRA), Comp. 2                        | 1           | 1         | 1           | 1           | 1         | 1           | 1           | 1         | 1           |
| Condenser Motor                 | No.                                        | 208/230     | 208/230   | 208/230     | 208/230     | 208/230   | 460         | 460         | 460       | 208/230     |
|                                 | Volts                                      | 1           | 1         | 1           | 1           | 1         | 1           | 1           | 1         | 1           |
|                                 | Phase                                      | 1/3         | 1/3       | 1/2         | 1/2         | 1/2       | 1/2         | 1/2         | 1/2       | 1/2         |
|                                 | HP                                         | 2           | 2         | 2.3         | 2.3         | 2.3       | 1.2         | 1.2         | 1.2       | 2.3         |
|                                 | Amps (FLA, each)                           | 3.9         | 3.9       | 5.5         | 5.5         | 5.5       | 3           | 3           | 3         | 5.5         |
|                                 | Amps (LRA, each)                           | 1           | 1         | 1           | 1           | 1         | 1           | 1           | 1         | 1           |
| Evaporator Fan                  | No.                                        | 208/230     | 208/230   | 208/230     | 208/230     | 208/230   | 460         | 460         | 460       | 208/230     |
|                                 | Volts                                      | 1           | 1         | 1           | 1           | 1         | 1           | 1           | 1         | 1           |
|                                 | Phase                                      | 1           | 1         | 1           | 1           | 1         | 1           | 1           | 1         | 1           |
|                                 | HP                                         | 8.9         | 8.9       | 8.9         | 8.9         | 8.9       | 3.5         | 3.5         | 3.5       | 8.9         |
|                                 | Amps (FLA, each)                           | N/A         | N/A       | N/A         | N/A         | N/A       | N/A         | N/A         | N/A       | N/A         |
|                                 | Amps (LRA, each)                           | N/A         | N/A       | N/A         | N/A         | N/A       | N/A         | N/A         | N/A       | N/A         |

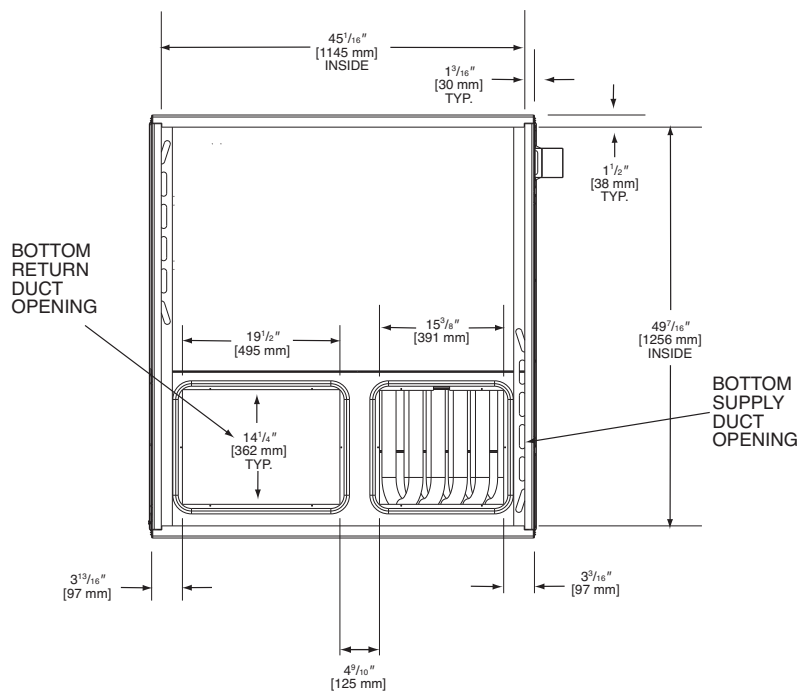
| ELECTRICAL DATA - RGEAYB SERIES |                                            |             |           |
|---------------------------------|--------------------------------------------|-------------|-----------|
|                                 |                                            | 060AJT101/X | 060AJT10U |
| Unit Information                | Unit Operating Voltage Range               | 187-253     | 187-253   |
|                                 | Volts                                      | 208/230     | 208/230   |
|                                 | Phase                                      | 1           | 1         |
|                                 | Hz                                         | 60          | 60        |
|                                 | Minimum Circuit Ampacity                   | 43          | 43        |
|                                 | Minimum Overcurrent Protection Device Size | 50          | 50        |
|                                 | Maximum Overcurrent Protection Device Size | 60          | 60        |
| Compressor Motor                | No.                                        | 1           | 1         |
|                                 | Volts                                      | 208/230     | 208/230   |
|                                 | Phase                                      | 1           | 1         |
|                                 | RPM                                        | 3500        | 3500      |
|                                 | Amps (RLA), Comp. 1                        | 25.2        | 25.2      |
|                                 | Amps (LRA), Comp. 1                        | 147.3       | 147.3     |
|                                 | HP, Compressor 2                           | N/A         | N/A       |
|                                 | Amps (RLA), Comp. 2                        | N/A         | N/A       |
|                                 | Amps (LRA), Comp. 2                        | N/A         | N/A       |
| Condenser Motor                 | No.                                        | 1           | 1         |
|                                 | Volts                                      | 208/230     | 208/230   |
|                                 | Phase                                      | 1           | 1         |
|                                 | HP                                         | 1/2         | 1/2       |
|                                 | Amps (FLA, each)                           | 2.3         | 2.3       |
|                                 | Amps (LRA, each)                           | 5.5         | 5.5       |
| Evaporator Fan                  | No.                                        | 1           | 1         |
|                                 | Volts                                      | 208/230     | 208/230   |
|                                 | Phase                                      | 1           | 1         |
|                                 | HP                                         | 1           | 1         |
|                                 | Amps (FLA, each)                           | 8.9         | 8.9       |
|                                 | Amps (LRA, each)                           | N/A         | N/A       |



**TOP VIEW**

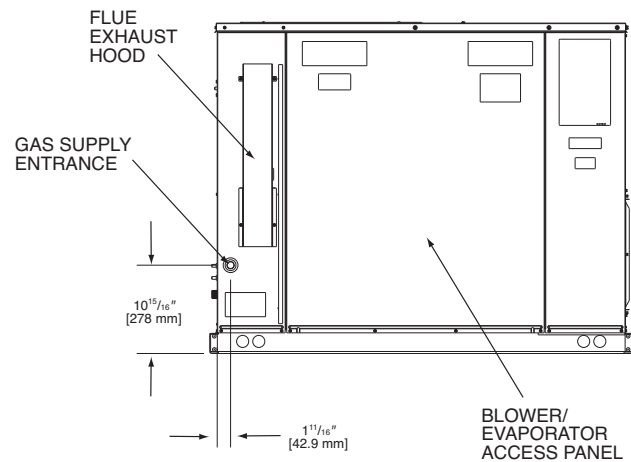


**BOTTOM VIEW**

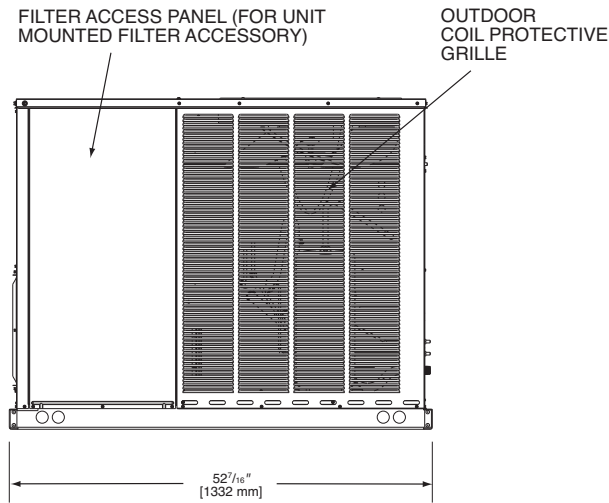


[ ] Designates Metric Conversions

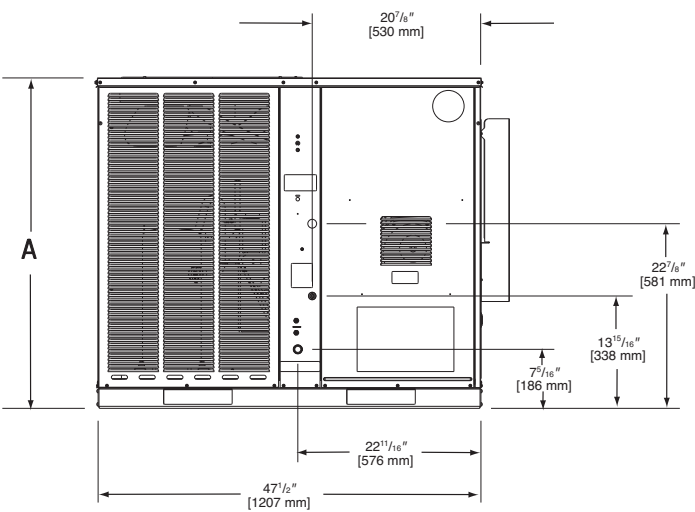
SIDE VIEW



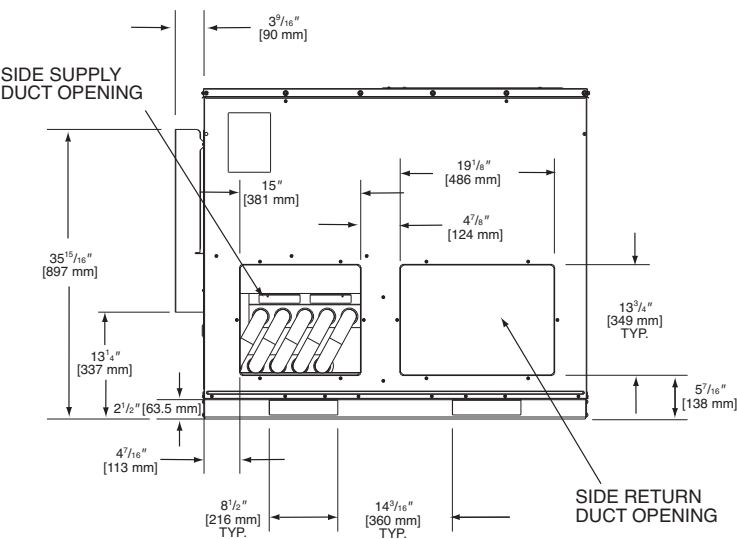
SIDE VIEW



FRONT VIEW



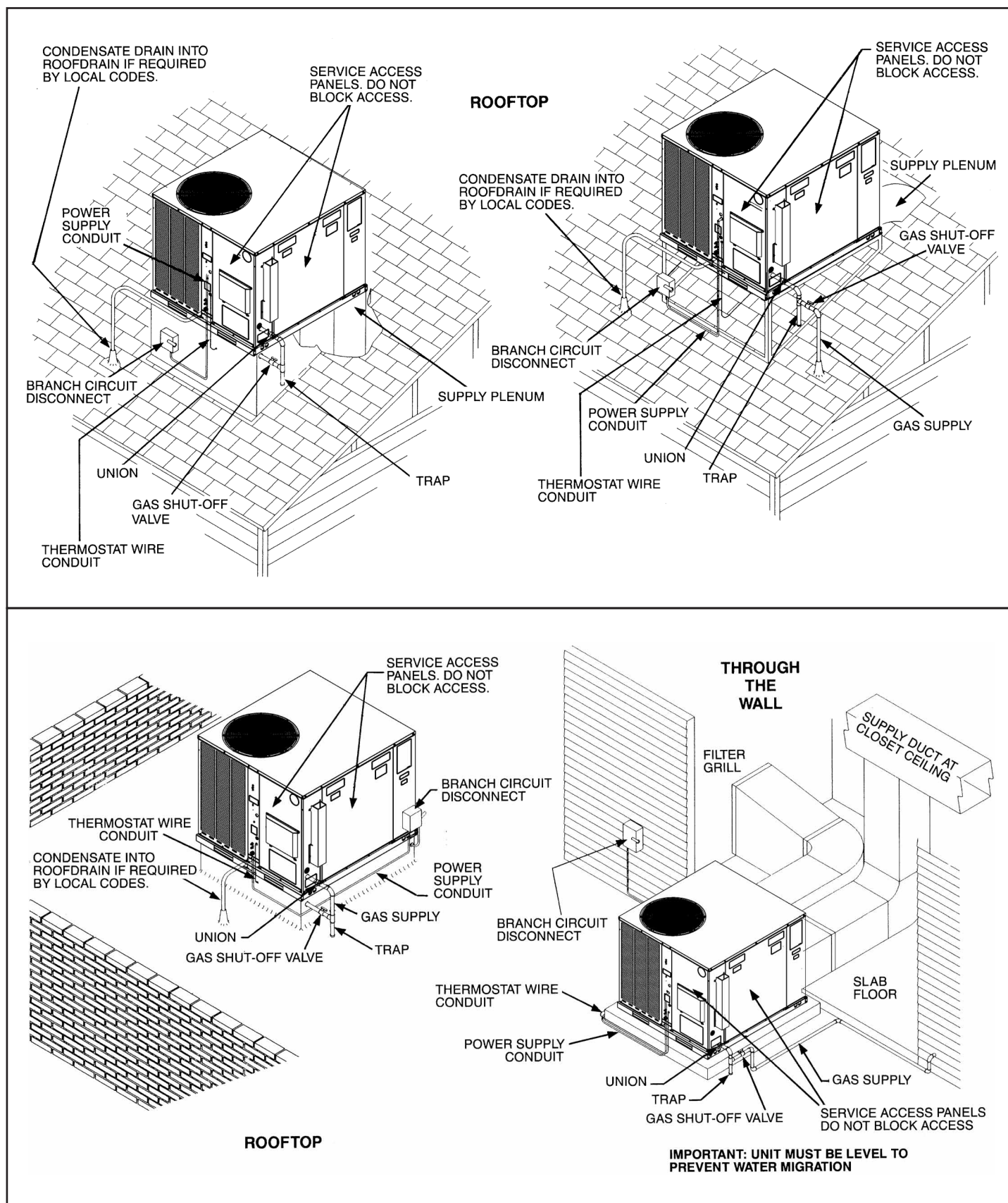
BACK VIEW



SHOWN WITH DUCT COVERS REMOVED.

| Models<br>RGEAYB | Height "A"                         |
|------------------|------------------------------------|
| 024, 030,<br>036 | 35 <sup>15</sup> / <sub>16</sub> " |
| 042, 048,<br>060 | 41"                                |

[ ] Designates Metric Conversions



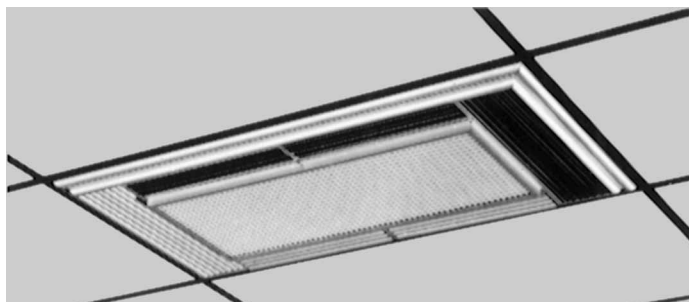
[ ] Designates Metric Conversions

## ACCESSORY EQUIPMENT

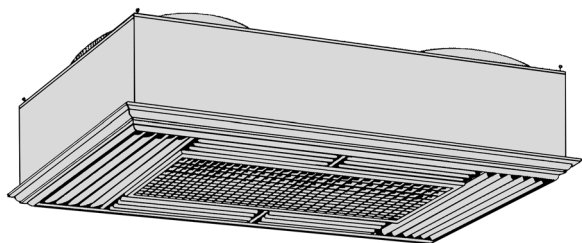
| Accessory Description                              | Model Application | Accessory Model No.                                                 |
|----------------------------------------------------|-------------------|---------------------------------------------------------------------|
| Roofcurb                                           | RGEA              | RXSG-AAA08 (8" [203 mm] Height)<br>RXSG-AAA14 (14" [356 mm] Height) |
| Duct Adapter Square to Round Transition (Sideflow) | RGEA              | AXMC-BA01                                                           |
| Supply & Return Diffusers (Downflow)               | RGEA              | RXRN-BD15                                                           |
| Rectangular to Round Transition (Downflow)         | RGEA              | RXMC-CA02 (16" [406 mm] Ducts)<br>RXMC-CA03 (18" [457 mm] Ducts)    |
| Economizers (Convertible)                          | RGEA              | AXRD-01RACAM3                                                       |
| Dual Enthalpy Kit                                  | RGEA              | RXRX-AV04                                                           |
| Fresh Air Damper                                   | RGEA              | AXRF-FAA1 (Fixed-35%)<br>AXRF-FAB1 (Motorized-35%)                  |
| LP Conversion Kit <sup>1</sup>                     | RGEA              | RXGJ-EP94D                                                          |
| Filter Kit                                         | RGEA              | RXRY-B01                                                            |
| Low Ambient Control                                | RGEA              | RXPZ-G01                                                            |
| Low Pressure Control <sup>2</sup>                  | RGEA              | RXAC-C01                                                            |
| Phase Monitor Kit                                  | 3ph-RGEA          | RXRX-PM3A01                                                         |

<sup>1</sup>If a particular unit is to be converted to operate on LP (propane) for elevations above 2000 ft. [609.6 m] in Canada, the existing Natural Gas to LP Conversion Kits for the subject models already contain the necessary orifices and instructions to de-rate the input for 2000-4500 ft. [609.6-1371.6 m] Canadian applications. <sup>2</sup>High pressure switches are standard for RGEA Models.

## COMMON SUPPLY/RETURN CONCENTRIC AIR DIFFUSER

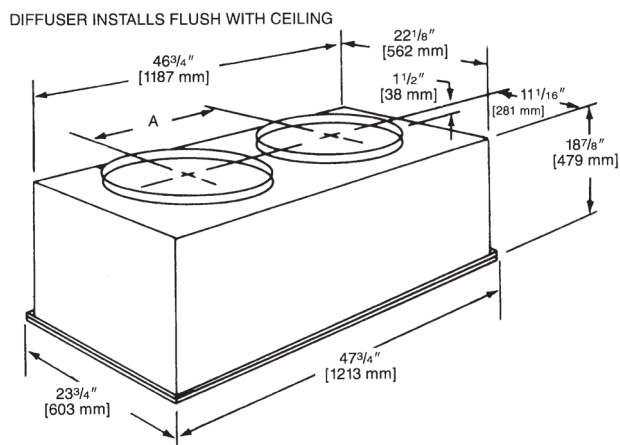


## SUPPLY/RETURN DIFFUSER



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

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



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

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

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

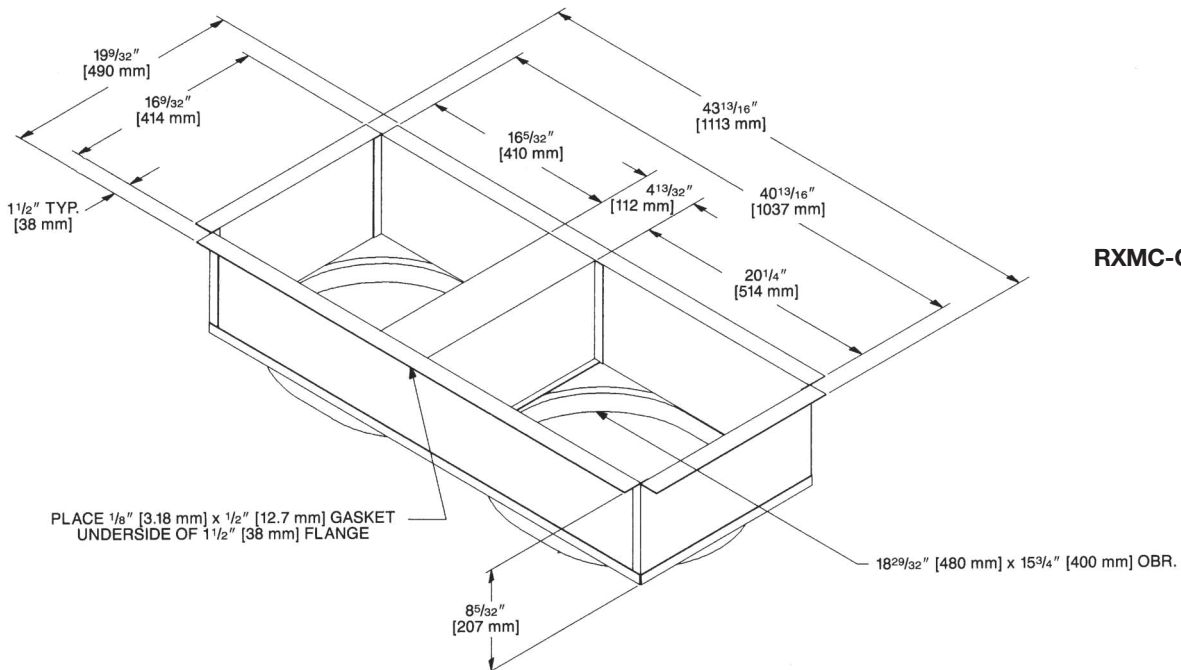
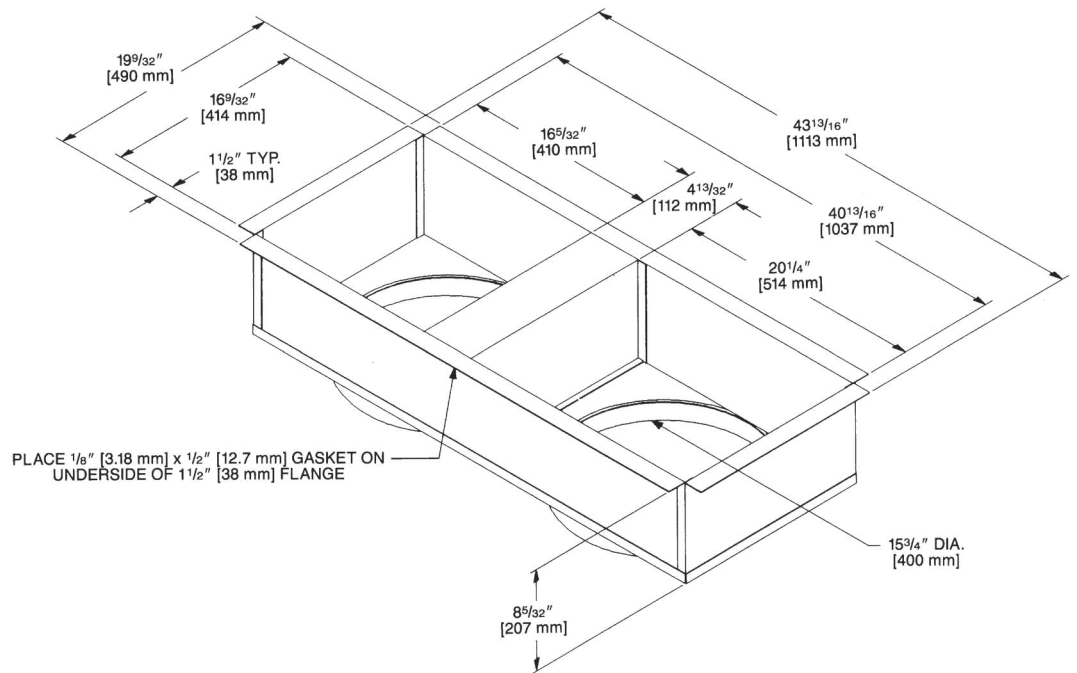
## SUPPLY AIR/PERFORMANCE

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

[ ] Designates Metric Conversions

## DUCT ADAPTERS RECTANGULAR TO ROUND TRANSITIONS (DOWNFLOW)

**RXMC-CA02**



**RXMC-CA03**

[ ] Designates Metric Conversions

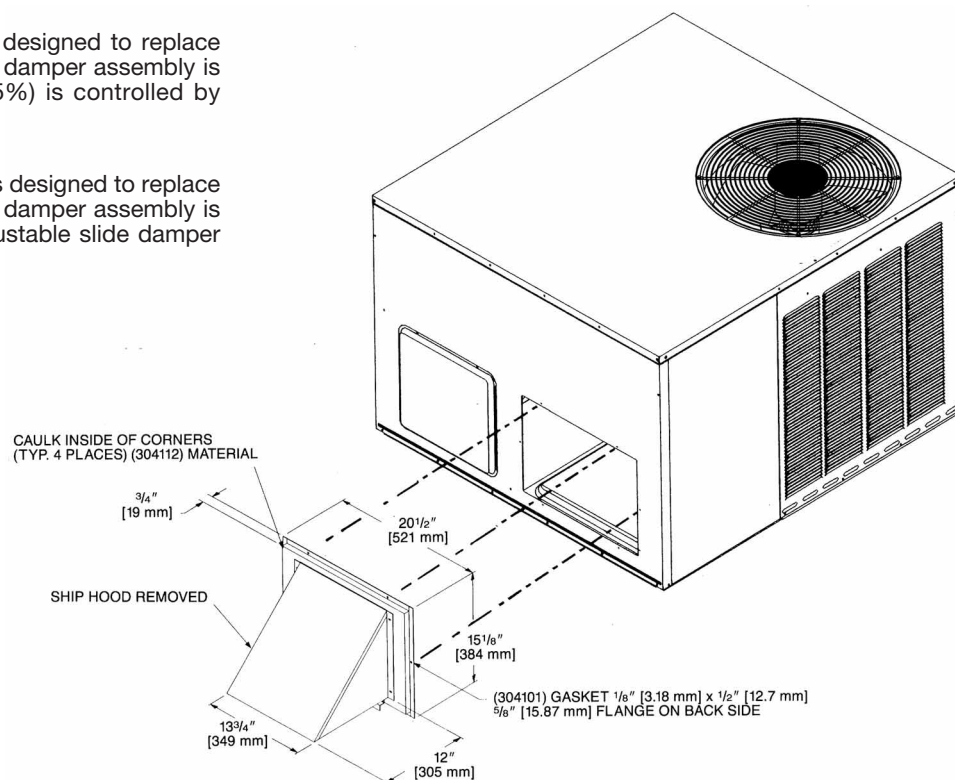
## FRESH AIR DAMPER

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

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

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

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

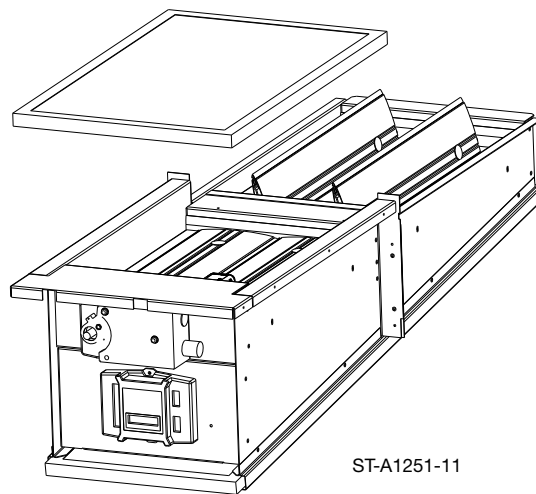
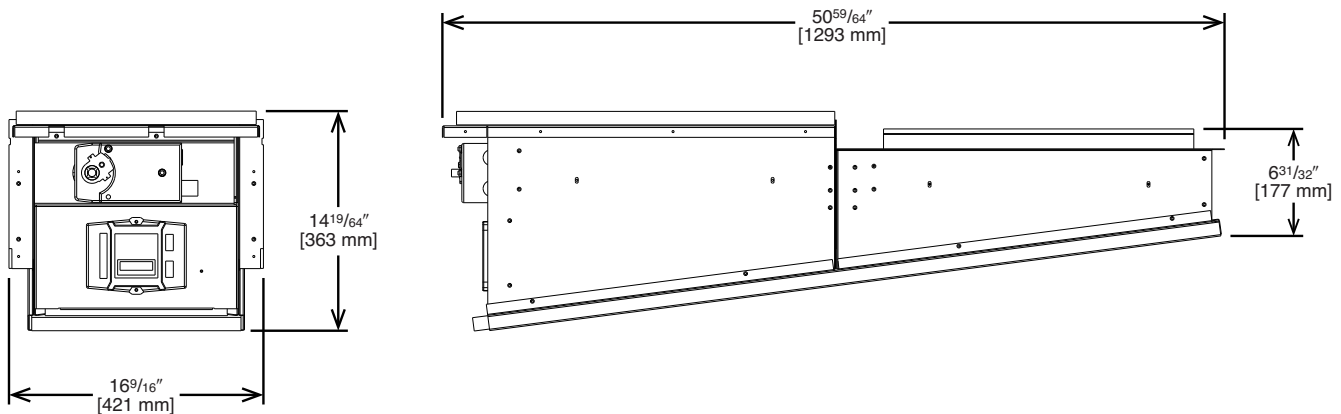
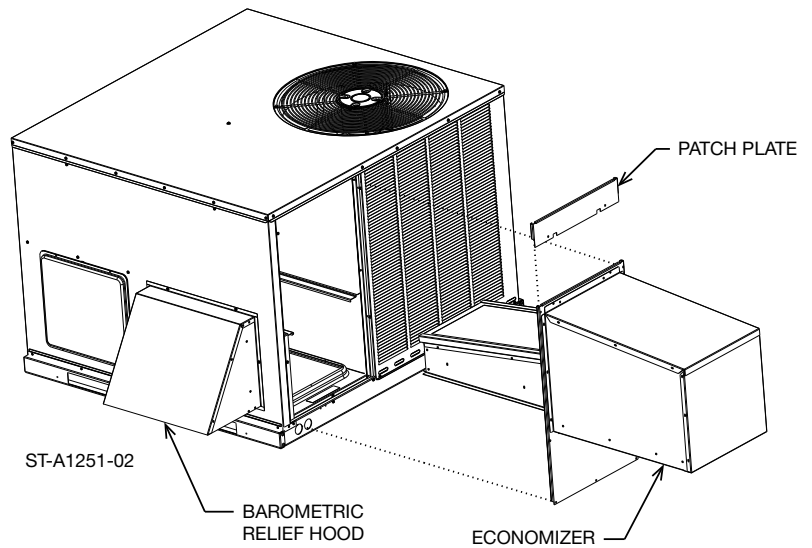


[ ] Designates Metric Conversions

## ECONOMIZERS

### AXRD-01RACAM3 (Fully Modulating) Horizontally and Vertically Applicable

- LCD Screen for Continuous diagnostic and system status
- Programmable set points for accurate positioning
- Simplified wiring and color coded terminals
- Onboard fault detection and diagnostics (FDD)
- Operational Checkout to verify installation
- Enthalpy sensors and actuator that communicate through a Sylk Bus Network with the Jade Controller reducing wiring errors while providing more information
- CO<sub>2</sub> sensor input for DCV (Demand Control Ventilation) applications
- RXRX-AV04 Dual Enthalpy kit available for field installation
- AMCA licensed class 1A low leak Dampers

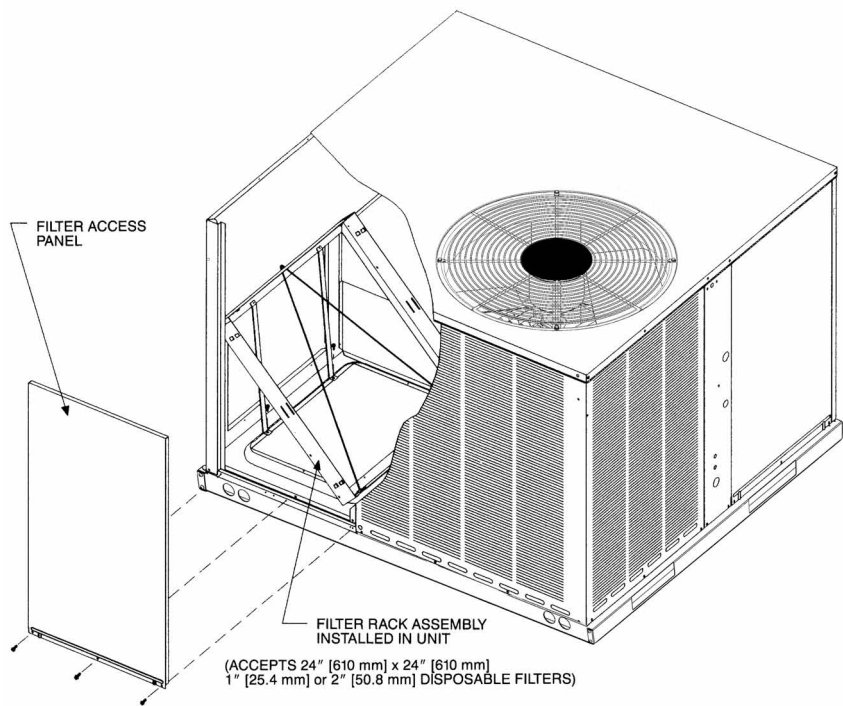


[ ] Designates Metric Conversions

# FILTER KIT INSTALLATION

## RXRY-B01

For use in either vertical or horizontal discharge



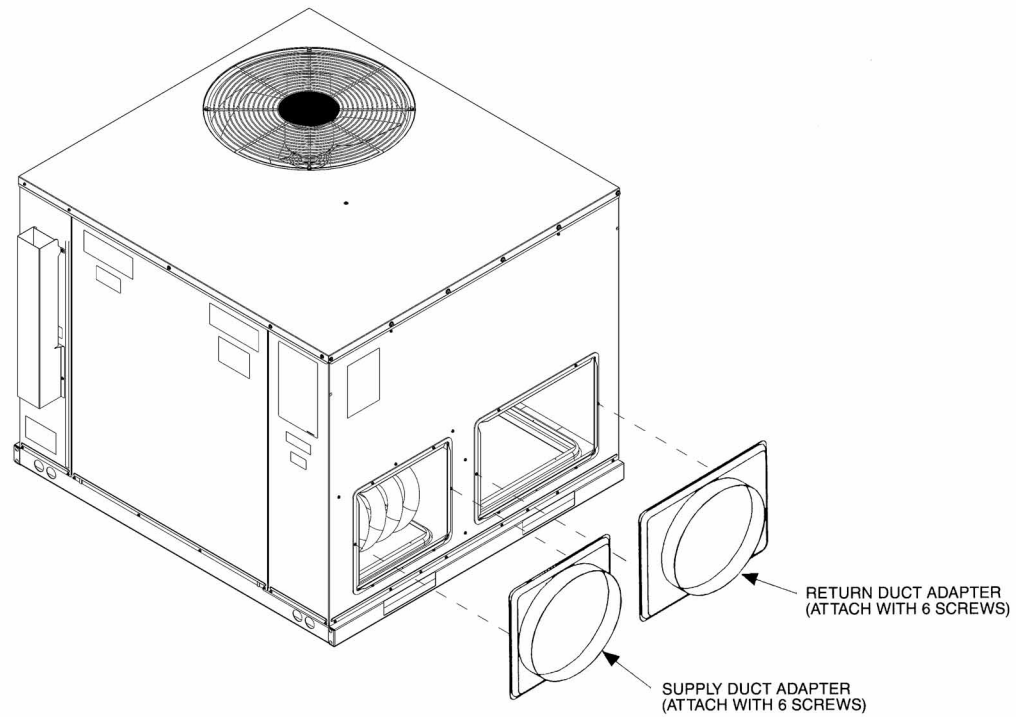
| Airflow Pressure Drop, Inches W.C. [kPa] |             |             |
|------------------------------------------|-------------|-------------|
| CFM [L/s]                                | 1" Filter   | 2" Filter   |
| 500 [236]                                | .02 [.0050] | .03 [.0075] |
| 600 [283]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

[ ] Designates Metric Conversions

## DUCT ADAPTER SIDE FLOWS SQUARE TO ROUND TRANSITION AXMC-BA01

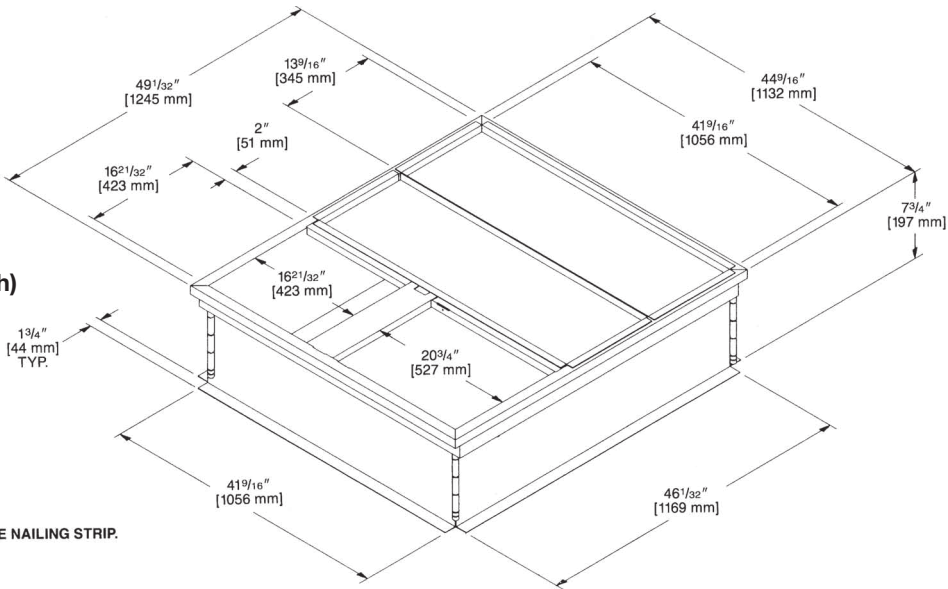
Adapts the side rectangular supply and return openings to 14" [356 mm] diameter round openings. Adapters provided with same finish as unit and also provided with thermal insulation.

[ ] Designates Metric Conversions



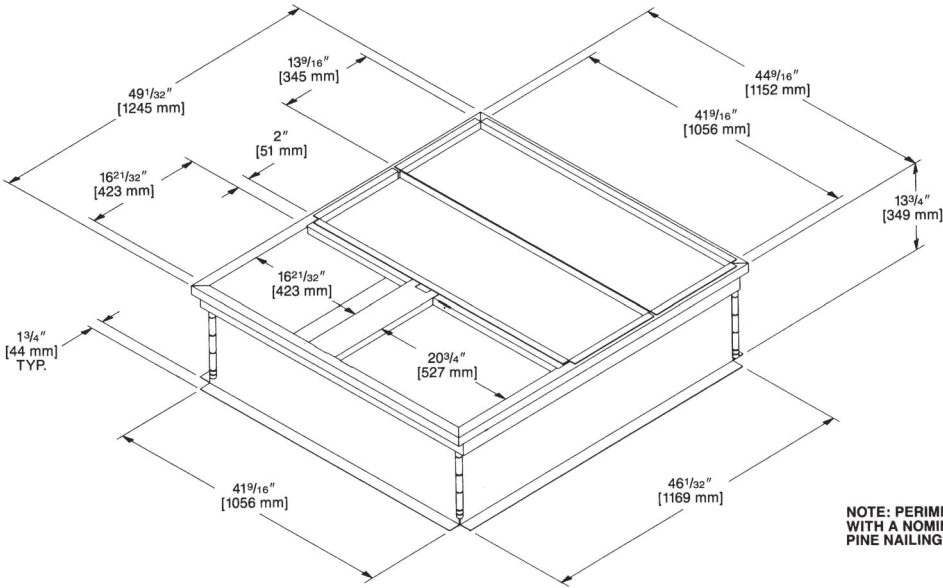
**ROOFCURB (Full Perimeter)**  
**RXSG-AAA08, RXSG-AAA14**  
Hinged corners make for fast, easy set-up

**RXSG-AAA08**  
**(8" [203 mm] High)**



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

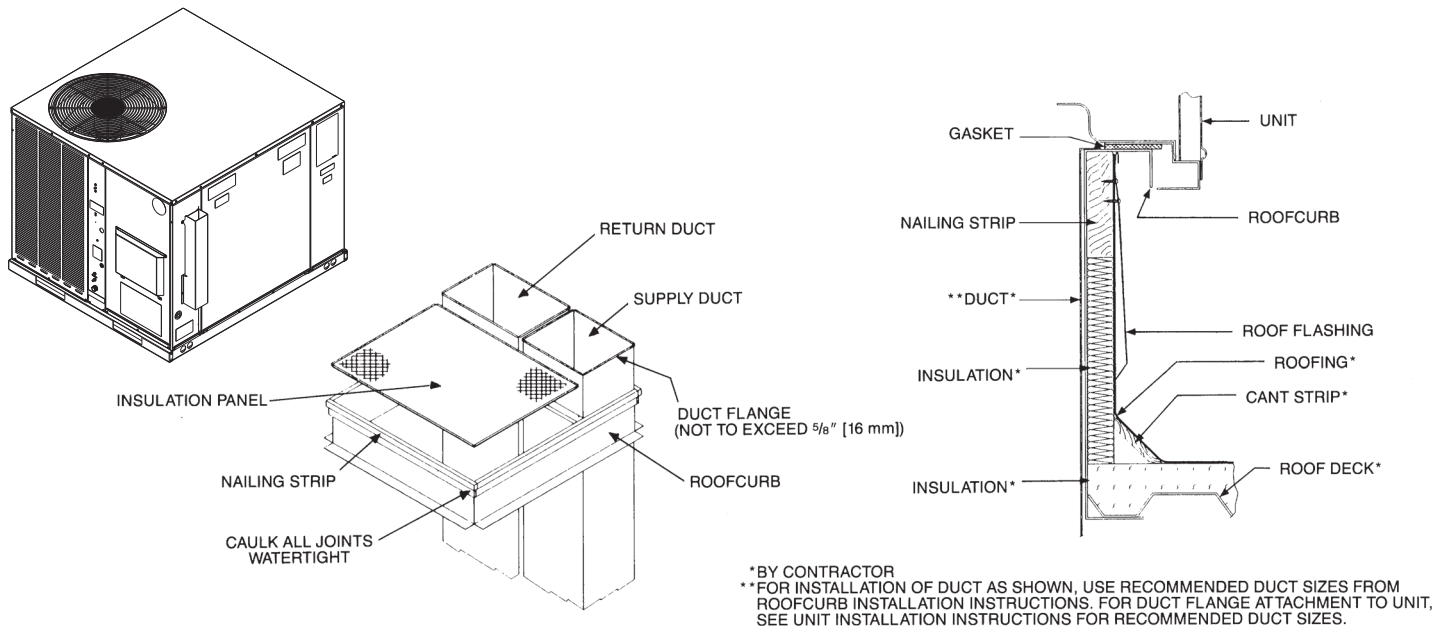
**RXSG-AAA14**  
**(14" [356 mm] High)**



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

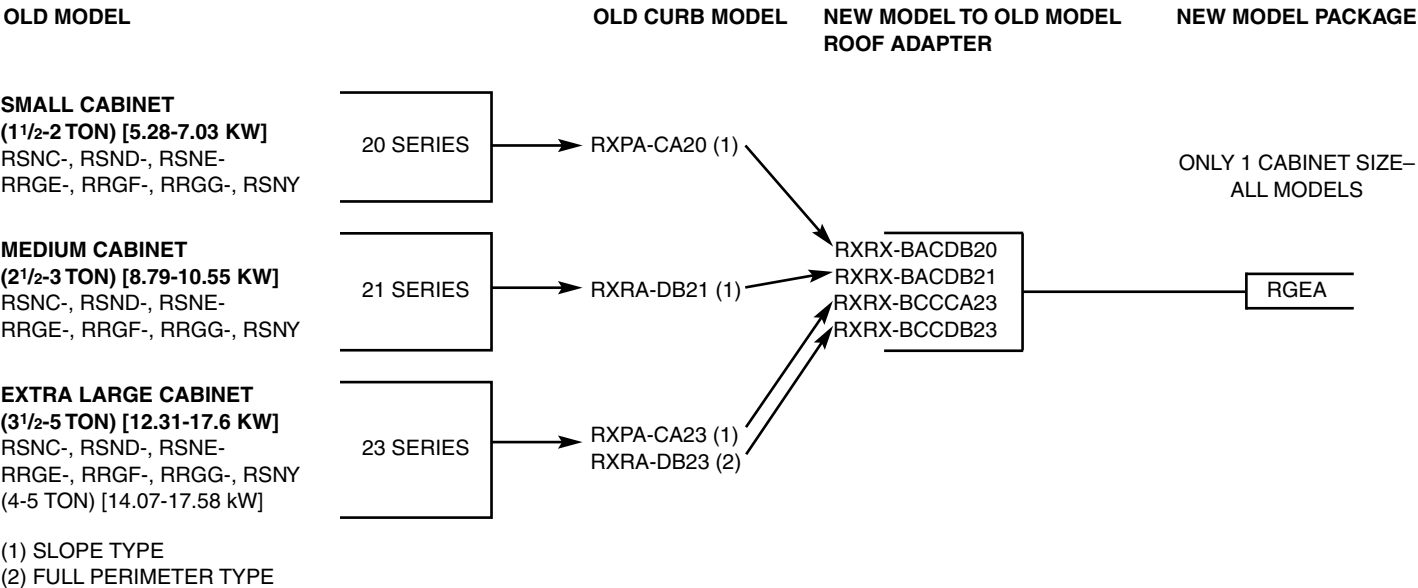
[ ] Designates Metric Conversions

PACKAGED AIR CONDITIONERS & PACKAGED GAS/ELECTRIC UNITS  
ROOFCURB INSTALLATION (Full Perimeter)



ROOFCURB ADAPTERS

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



[ ] Designates Metric Conversions



## GENERAL TERMS OF LIMITED WARRANTY\*

Ruud 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.

### Heat Exchanger

Factory Standard .....Ten (10) Years  
Stainless Steel/1-Phase & 3-Phase Models  
Commercial Application.....Twenty (20) Years  
Stainless Steel/1-Phase Models  
Residential Application  
(Registration Required).....Limited Lifetime

### Compressor

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

### Parts

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

\*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.

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

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*In keeping with its policy of continuous progress and product improvement, Ruud reserves the right to make changes without notice.*

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