# Endeavor® Line *Classic Plus*® Series
# iR Residential Packaged Gas Electric Units

EcoNet®

## RGE(A/X)YC

Nominal Sizes: 2-5 Tons [7.0-17.6 kW]
Cooling Efficiencies:15.2 SEER2
Refrigerant Type: R-454B

ISO 9001:2015

ENERGY STAR[1]

c UL us LISTED

ENERGUIDE Seasonal Energy Efficiency Ratio (SEER) 15.2 13.0 — Uses least energy → 21.0

AHRI CERTIFIED www.ahridirectory.org Unitary Small AC AHRI Standard 210/240

[1]*Proper sizing and installation of equipment is critical to achieve optimal performance.*

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## FEATURES AND BENEFITS

- **Two-Stage Scroll Compressors on all models:** Modulates between two capacity settings — 67% and 100% — providing more precise temperature control, lower humidity and greater efficiency in comparison to single stage compressors. It uses 70% fewer moving parts which also increases efficiency and reliability
- **PlusOne® Diagnostics[1]:** The Rheem Contractor App and built-in EcoNet® & Bluetooth®[2] technology, makes monitoring, troubleshooting and repairing the product easier than ever before
- **Installation Commissioning via Bluetooth® Technology:** Seamless final install step without DIP switch configuration using the Rheem Contractor App.
- **On-demand Dehumidification:** Available through EcoNet® thermostat
- **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
- **Constant Volume Motor:** Truly variable speed technology allows for ultimate humidity control, quieter sound levels and year-round energy savings
- **Dedicated Heating Speeds:** Maintain consistent performance via Constant CFM motor to keep temp rise at a comfortable level
- **Thermal Expansion Valves:** Standard on all models for precise superheat control, reliability, and energy efficiency at all operating conditions
- **High and Low Pressure Control:** Standard on all models for refrigerant component protection and reliability
- **Filter Drier:** Standard on all models
- **100% Factory Run Tested**
- **Stainless Steel Heat Exchanger:** Available as factory installed option for better corrosion resistance
- **PlusOne® Ignition System:** Proven Direct Spark Ignition System (DSI) for reliability and longevity
- **PlusOne® Refrigerant Detection System™[3]:** 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 Slide-Out Blower Section:** Allows for installability and serviceability
- **Side and Down Discharge Options Available:** All models are shipped ready for horizontal applications
- **Double Sloped Evaporator Coil Drain Pan:** Allows for complete water removal from the unit—contributing to improved 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%[4] 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 if energy efficient, dependable comfort

*[1]Bluetooth functionality applies to the heating section only. [2]The Bluetooth® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. and any use of such marks by Rheem® is under license. Other trademarks and trade names are those of their respective owners. [3]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. [4]When comparing the GWP of R-454B to R-410A refrigerant.*

# Packaged Gas Electric

| R | GE | A | Y | C | 024 | A | J | V | 06 | 2 | C | A |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Brand** | **Product Category** | **Platform** | **Refrigerant** | **Tier** | **Capacity BTU/HR** | **Major Series** | **Voltage** | **Drive** | **Gas Heat Input** | **Gas Heat Configuration** | **Control** | **Minor Series** |
| R - Rheem | GE - Gas Electric | A - Resipack Convertible<br>X - Resipack Convertible | Y - R454B | C - Mid Tier (15.2 SEER2) | 024 - 24,000 [7.03 kW]<br>036 - 36,000 [10.55 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 | V - Constant Volume | 06 - 60K BTU/H<br>08 - 80K BTU/H<br>10 - 100K BTU/H | 2 - Two Stage<br>T - Two Stage Low NOx | C - Communicating | A - 1st Design |

**[ ] Designates Metric Conversions**

| Available Models | |
|---|---|
| **Standard** | **Low NOx (40ng/J)** |
| RGEAYC024AJV062CA | RGEAYC024AJV06TCA |
| RGEAYC024ACV062CA | RGEAYC024ACV06TCA |
| RGEAYC036AJV062CA | RGEAYC036AJV06TCA |
| RGEAYC036AJV082CA | RGEAYC036AJV08TCA |
| RGEAYC036AJV102CA | RGEAYC036AJV10TCA |
| RGEAYC036ACV062CA | RGEAYC036ACV06TCA |
| RGEAYC036ACV082CA | RGEAYC036ACV08TCA |
| RGEAYC036ACV102CA | RGEAYC036ACV10TCA |
| RGEAYC036ADV062CA | RGEAYC036ADV06TCA |
| RGEAYC036ADV082CA | RGEAYC036ADV08TCA |
| RGEAYC036ADV102CA | RGEAYC036ADV10TCA |
| RGEXYC048AJV082CA | RGEXYC048AJV08TCA |
| RGEXYC048AJV102CA | RGEXYC048AJV10TCA |
| RGEXYC048ACV082CA | RGEXYC048ACV08TCA |
| RGEXYC048ACV102CA | RGEXYC048ACV10TCA |
| RGEXYC048ADV082CA | RGEXYC048ADV08TCA |
| RGEXYC048ADV102CA | RGEXYC048ADV10TCA |
| RGEXYC060AJV082CA | RGEXYC060AJV08TCA |
| RGEXYC060AJV102CA | RGEXYC060AJV10TCA |
| RGEXYC060ACV082CA | RGEXYC060ACV08TCA |
| RGEXYC060ACV102CA | RGEXYC060ACV10TCA |
| RGEXYC060ADV082CA | RGEXYC060ADV08TCA |
| RGEXYC060ADV102CA | RGEXYC060ADV10TCA |

**NOTE:** All models feature two stage cooling and heating.

**NOTE:** Stainless steel heat exchanger option is available on standard and Low NOx 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: No Option

RGEAYC036AJV082CA

Example: Option with Stainless Steel Heat Exchanger

RGEAYC036AJV082CAAJA

**NOTES:** Factory installed economizer is not available.

# UNIT DIMENSIONS
# RGEAYC

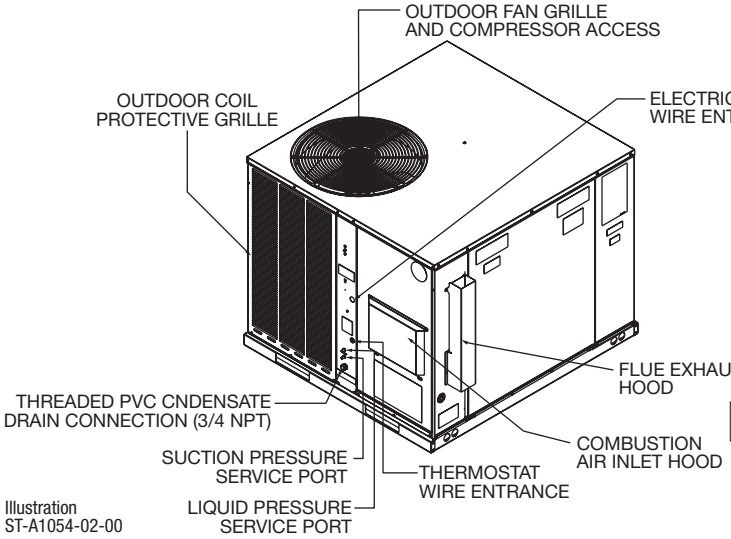
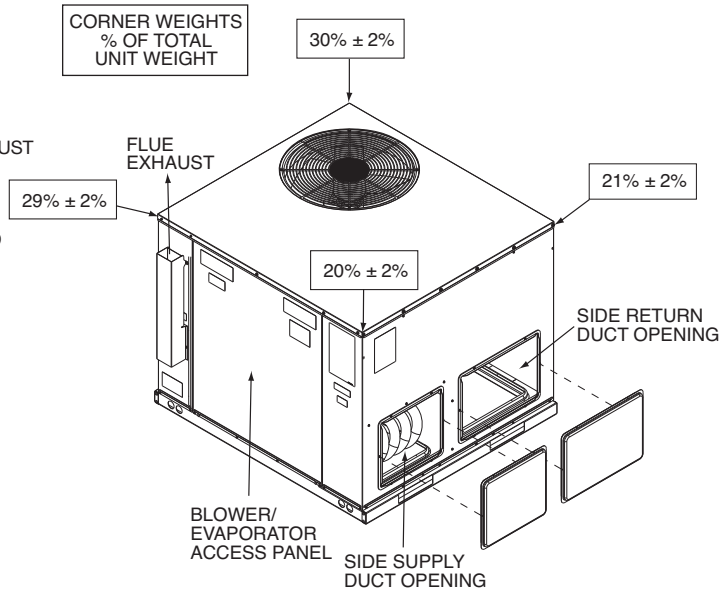
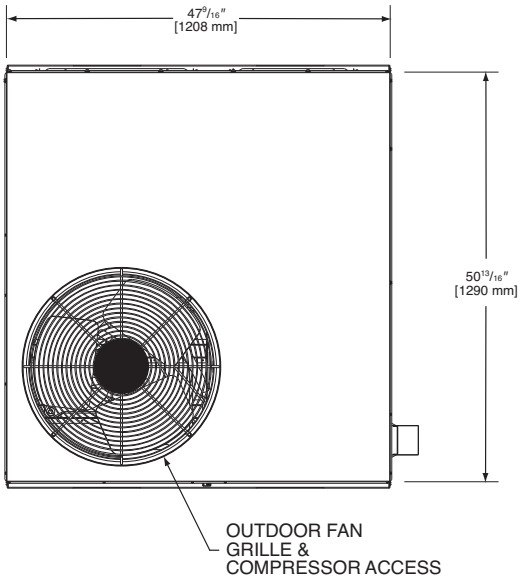


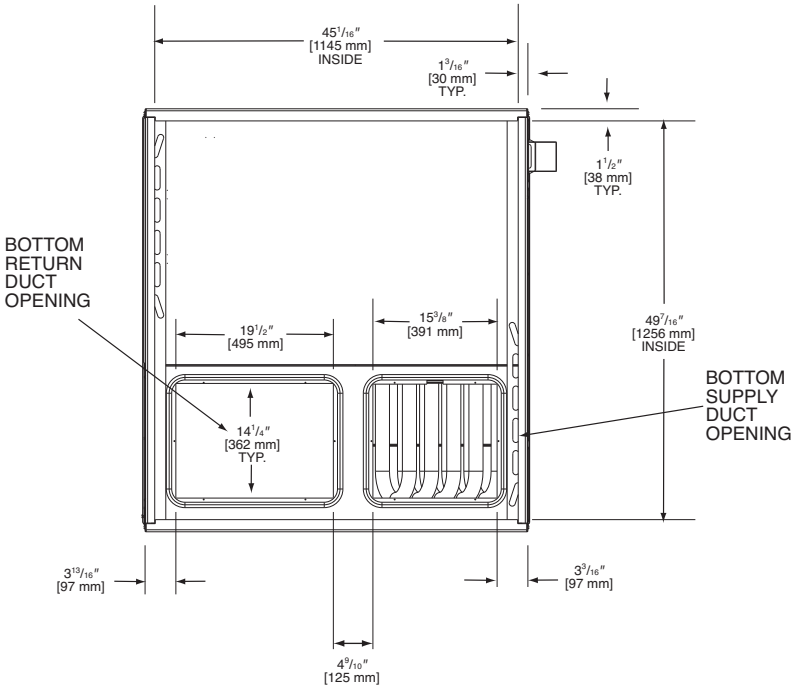

Illustration
ST-A1054-02-00




## TOP VIEW

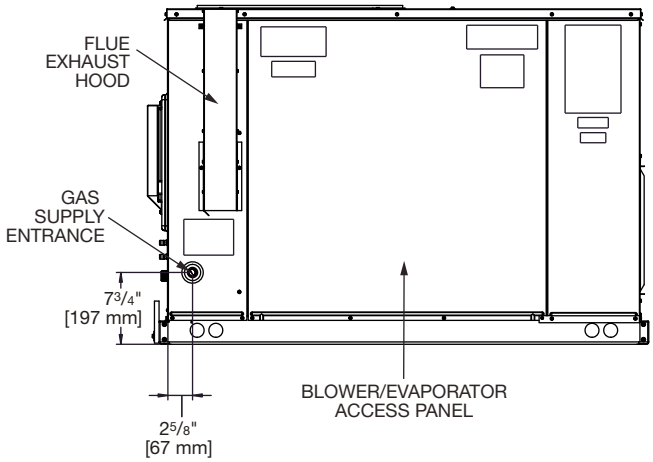



## BOTTOM VIEW

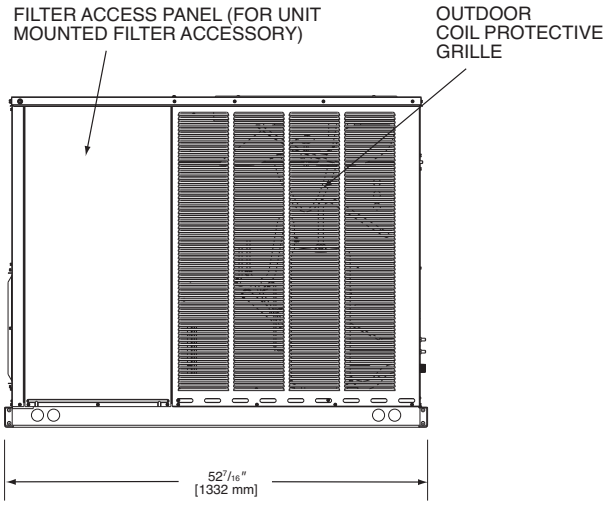



**[ ] Designates Metric Conversions**

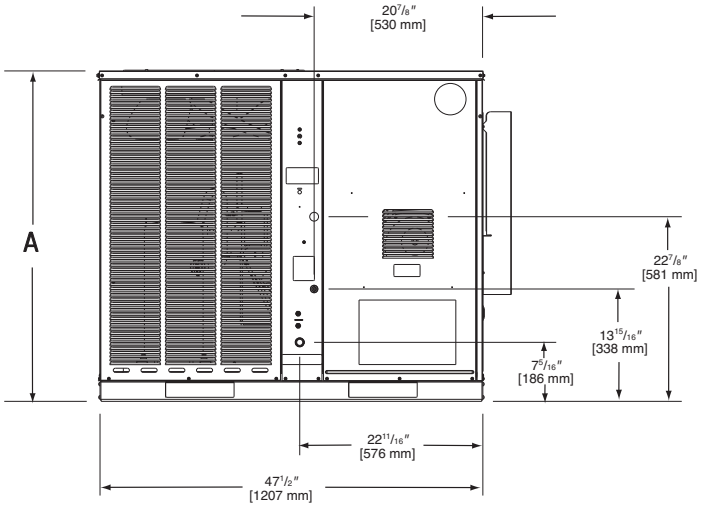
## SIDE VIEW



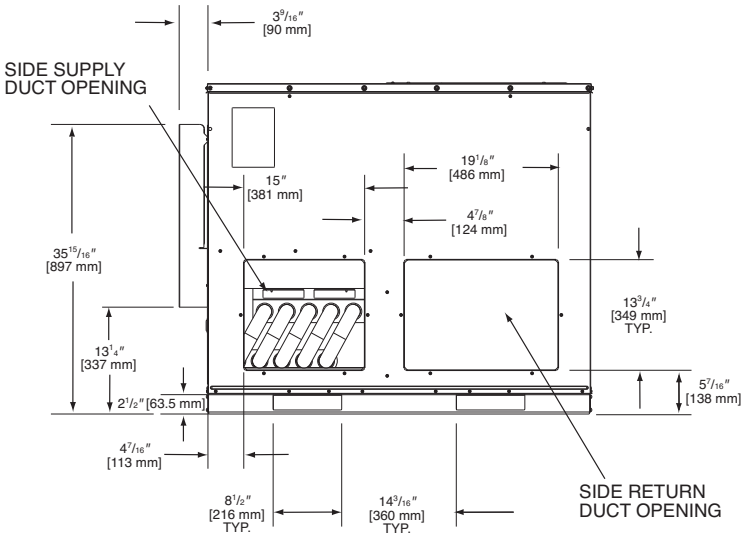

## SIDE VIEW




## FRONT VIEW




## BACK VIEW




SHOWN WITH DUCT COVERS REMOVED.

| Models RGEAYC | Height "A" |
|---|---|
| 024 | 35 15/16" |
| 036 | 41" |

**[ ] Designates Metric Conversions**

# UNIT DIMENSIONS
# RGEXYC

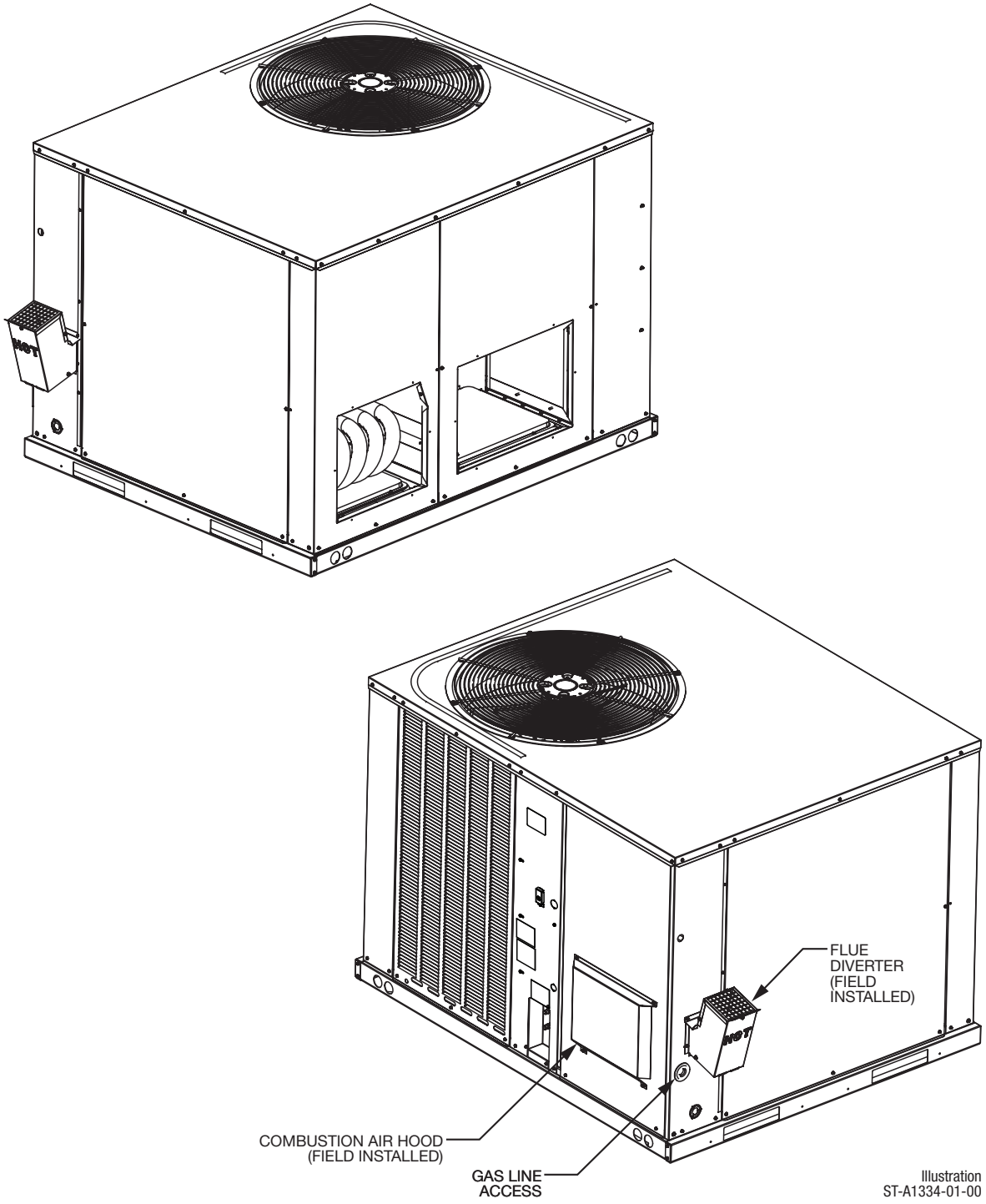



Illustration
ST-A1334-01-00

**[ ] Designates Metric Conversions**

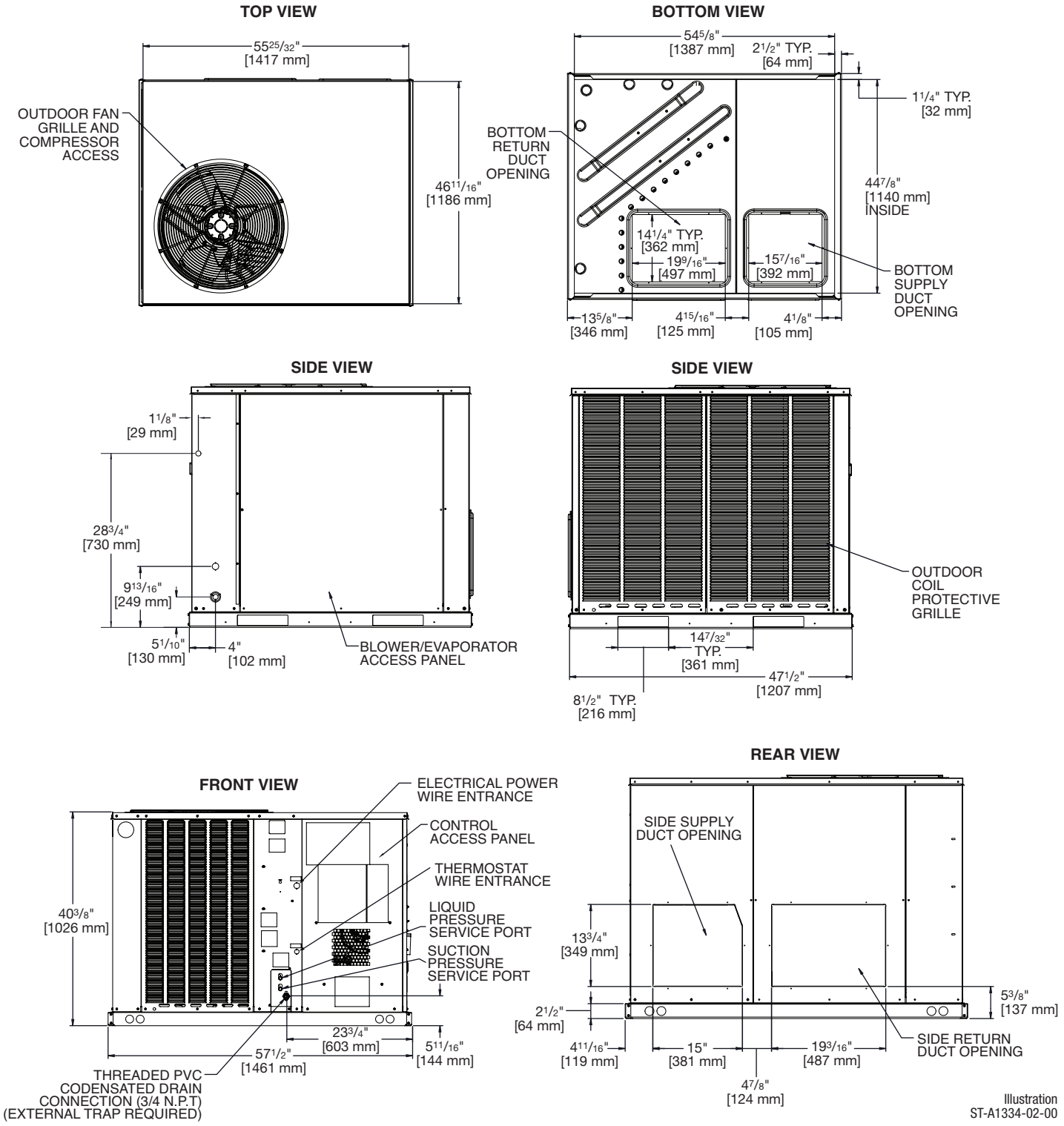
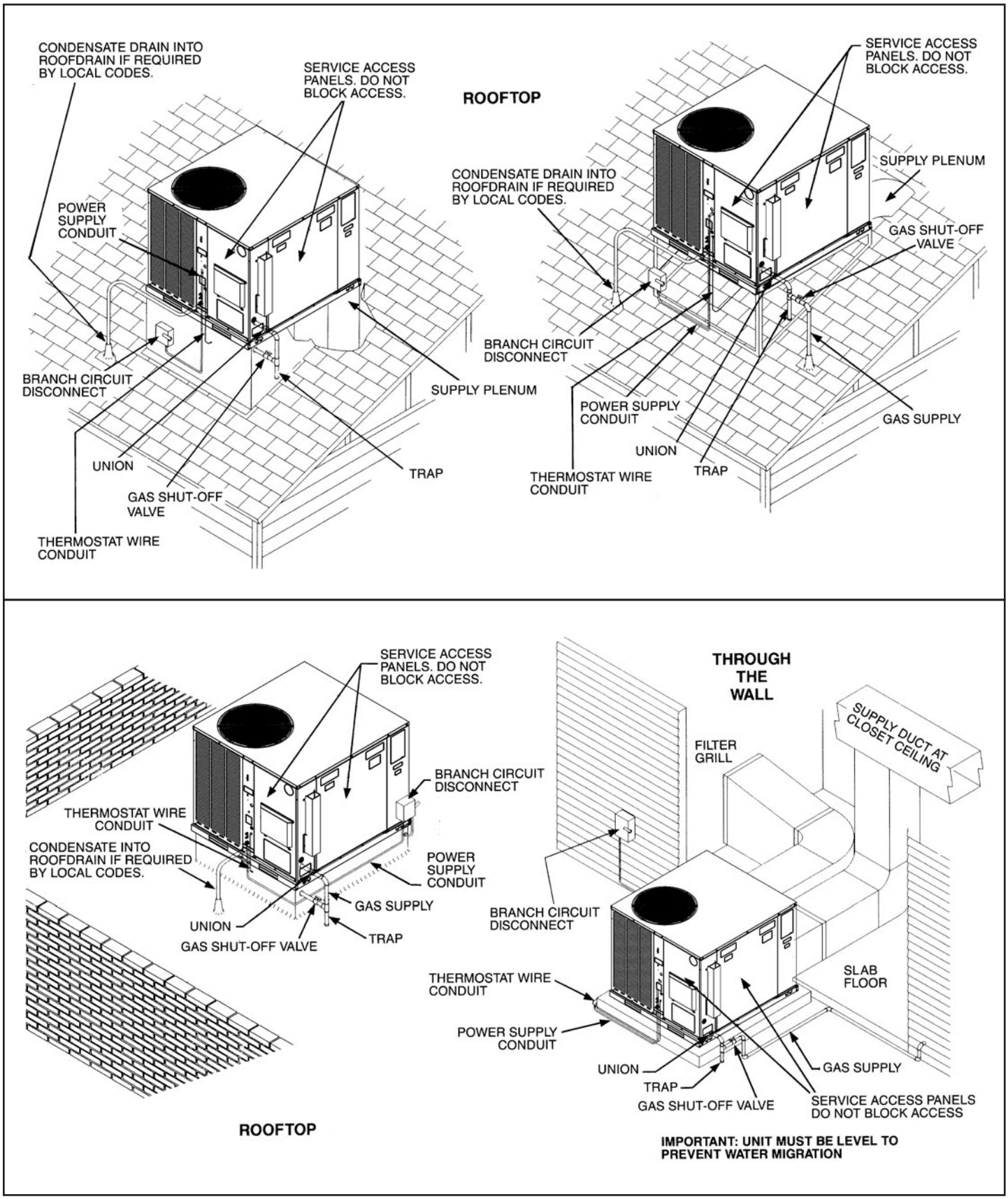



Illustration
ST-A1334-02-00

| Models RGEXYC | Height "A" |
|---|---|
| 048, 060 | 41" |

**[ ] Designates Metric Conversions**




**[ ] Designates Metric Conversions**

# NOMINAL SIZES 2-3 TONS [7.0-10.5 kW]

| Model RGEXYC Series | 024ACV062 | 024AJV062 | 036ACV062 | 036ACV082 |
|---|---|---|---|---|
| **Cooling Performance[1]** | | | | CONTINUED → |
| Gross Cooling Capacity Btu/h [kW] | 24,200 [7.09] | 24,200 [7.09] | 35,800 [10.49] | 35,800 [10.49] |
| EER2/SEER2[2] | 11.5/15.2 | 11.5/15.2 | 11.5/15.2 | 11.5/15.2 |
| Nominal CFM/AHRI Rated CFM [L/s] | 800/815 [378/385] | 800/815 [378/385] | 1200/1200 [566/566] | 1200/1200 [566/566] |
| AHRI Net Cooling Capacity Btu/h [kW] | 22,800 [6.68] | 22,800 [6.68] | 34,200 [10.02] | 34,200 [10.02] |
| Net Sensible Capacity Btu/h [kW] | 16,600 [4.86] | 16,600 [4.86] | 25,800 [7.56] | 25,800 [7.56] |
| Net Latent Capacity Btu/h [kW] | 6,800 [1.99] | 6,800 [1.99] | 9,200 [2.7] | 9,200 [2.7] |
| Net System Power kW | 1.92 | 1.92 | 2.98 | 2.98 |
| **Heating Performance (Gas)[3]** | | | | |
| Heating Input Btu/h [kW] (1st Stage/2nd Stage) | 42,000/60,000 | 42,000/60,000 [12.30/17.58] | 42,000/60,000 | 56,000/80,000 [16.41/23.44] |
| Heating Output Btu/h [kW] (1st Stage/2nd Stage) | 34,020/48,600 [9.97/14.24] | 34,020/48,600 [9.97/14.24] | 34,020/48,600 [9.97/14.24] | 45,360/64,800 [13.29/18.99] |
| Temperature Rise Range °F [°C] (1st Stage/2nd Stage) | 20-50 [11.1-27.7] / 30-60 [16.6-33.3] | 20-50 [11.1-27.7] / 30-60 [16.6-33.3] | 20-50 [11.1-27.7] / 30-60 [16.6-33.3] | 25-55 [13.8-30.5] / 35-65 [19.4-36.1] |
| AFUE %[4] | NA | 81 | NA | NA |
| Steady State Efficiency (%) | 81 | NA | 81 | 81 |
| No. Burners | 3 | 3 | 3 | 4 |
| No. Stages | 2 | 2 | 2 | 2 |
| Gas Connection Pipe Size in. [mm] | 0.5 [12.7] | 0.5 [12.7] | 0.5 [12.7] | 0.5 [12.7] |
| **Compressor** | | | | |
| No./Type | 1/2/Scroll | 1/2/Scroll | 1/2/Scroll | 1/2/Scroll |
| **Outdoor Sound Rating (dB)[5]** | 74 | 74 | 71 | 71 |
| **Outdoor Coil - Fin Type** | Louvered | Louvered | Louvered | Louvered |
| Tube Type | MicroChannel | MicroChannel | MicroChannel | MicroChannel |
| MicroChannel Depth in. [mm] | 0.709 [18] | 0.709 [18] | 0.472 [12] | 0.472 [12] |
| Face Area sq. ft. [sq. m] | 9.77 [0.91] | 9.77 [0.91] | 16.26 [1.51] | 16.26 [1.51] |
| Rows/FPI [FPcm] | 1/23 [9] | 1/23 [9] | 1/23 [9] | 1/23 [9] |
| **Indoor Coil - Fin Type** | 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] | 4 [0.37] | 4 [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] |
| **Outdoor Fan - Type** | 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] | 3250 [1534] | 3250 [1534] |
| No. Motors/HP | 1 at 1/6 HP | 1 at 1/6 HP | 1 at 1/3 HP | 1 at 1/3 HP |
| Motor RPM | 825 | 825 | 825 | 825 |
| **Indoor Fan - Type** | FC Centrifugal | FC Centrifugal | FC Centrifugal | FC Centrifugal |
| No. Used/Diameter in. [mm] | 1/10x9 [254x229] | 1/10x9 [254x229] | 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 | 1/3 | 1/3 | 1 | 1 |
| Motor RPM | 1050 | 1050 | 1050 | 1050 |
| Motor Frame Size | 48 | 48 | 48 | 48 |
| **Filter - Type** | 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] |
| **Refrigerant Charge Oz. [g]** | 47 [1332] | 47 [1332] | 53 [1503] | 53 [1503] |
| **Weights** | | | | |
| Net Weight lbs. [kg] | 408 [185] | 408 [185] | 440 [200] | 445 [202] |
| Ship Weight lbs. [kg] | 418 [189] | 418 [189] | 450 [204] | 455 [206] |

See Page 17 for Notes.

**[ ] Designates Metric Conversions**

# NOMINAL SIZES 2-3 TONS [7.0-10.5 kW]

| Model RGEXYC Series | 036ACV102 | 036ADV062 | 036ADV082 | 036ADV102 |
|---|---|---|---|---|
| **Cooling Performance[1]** | | | | CONTINUED → |
| Gross Cooling Capacity Btu/h [kW] | 35,800 [10.49] | 35,800 [10.49] | 35,800 [10.49] | 35,800 [10.49] |
| EER2/SEER2[2] | 11.5/15.2 | 11.5/15.2 | 11.5/15.2 | 11.5/15.2 |
| Nominal CFM/AHRI Rated CFM [L/s] | 1200/1200 [566/566] | 1200/1200 [566/566] | 1200/1200 [566/566] | 1200/1200 [566/566] |
| 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] | 25,800 [7.56] | 25,800 [7.56] | 25,800 [7.56] | 25,800 [7.56] |
| Net Latent Capacity Btu/h [kW] | 9,200 [2.7] | 9,200 [2.7] | 9,200 [2.7] | 9,200 [2.7] |
| Net System Power kW | 2.98 | 2.98 | 2.98 | 2.98 |
| **Heating Performance (Gas)[3]** | | | | |
| Heating Input Btu/h [kW] (1st Stage/2nd Stage) | 70,000/100,000 [20.51/29.3] | 42,000/60,000 [12.30/17.58] | 56,000/80,000 [16.41/23.44] | 70,000/100,000 [20.51/29.3] |
| Heating Output Btu/h [kW] (1st Stage/2nd Stage) | 56,700/81,000 [16.61/23.73] | 34,020/48,600 [9.97/14.24] | 45,360/64,800 [13.29/18.99] | 56,700/81,000 [16.61/23.73] |
| Temperature Rise Range °F [°C] (1st Stage/2nd Stage) | 35-65 [19.4-36.1] / 45-75 [25-41.6] | 20-50 [11.1-27.7] / 30-60 [16.6-33.3] | 25-55 [13.8-30.5] / 35-65 [19.4-36.1] | 35-65 [19.4-36.1] / 45-75 [25-41.6] |
| AFUE %[4] | NA | NA | NA | NA |
| Steady State Efficiency (%) | 81 | 81 | 81 | 81 |
| No. Burners | 5 | 3 | 4 | 5 |
| No. Stages | 2 | 2 | 2 | 2 |
| Gas Connection Pipe Size in. [mm] | 0.5 [12.7] | 0.5 [12.7] | 0.5 [12.7] | 0.5 [12.7] |
| **Compressor** | | | | |
| No./Type | 1/2/Scroll | 1/2/Scroll | 1/2/Scroll | 1/2/Scroll |
| **Outdoor Sound Rating (dB)[5]** | 71 | 71 | 71 | 71 |
| **Outdoor Coil - Fin Type** | 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] | 16.26 [1.51] | 16.26 [1.51] | 16.26 [1.51] | 16.26 [1.51] |
| Rows/FPI [FPcm] | 1/23 [9] | 1/23 [9] | 1/23 [9] | 1/23 [9] |
| **Indoor Coil - Fin Type** | 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] | 4 [0.37] | 4 [0.37] | 4 [0.37] | 4 [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] |
| **Outdoor Fan - Type** | 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 |
| **Indoor Fan - Type** | 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 |
| **Filter - Type** | 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] |
| **Refrigerant Charge Oz. [g]** | 53 [1503] | 53 [1503] | 53 [1503] | 53 [1503] |
| **Weights** | | | | |
| Net Weight lbs. [kg] | 450 [204] | 440 [200] | 445 [202] | 450 [204] |
| Ship Weight lbs. [kg] | 460 [209] | 450 [204] | 455 [206] | 460 [209] |

See Page 17 for Notes.

**[ ] Designates Metric Conversions**

# NOMINAL SIZES 2-3 TONS [7.0-10.5 kW]

| Model RGEAYC Series | 036AJV062 | 036AJV082 | 036AJV102 |
|---|---|---|---|
| **Cooling Performance[1]** | | | |
| Gross Cooling Capacity Btu/h [kW] | 35,800 [10.49] | 35,800 [10.49] | 35,800 [10.49] |
| EER2/SEER2[2] | 11.5/15.2 | 11.5/15.2 | 11.5/15.2 |
| Nominal CFM/AHRI Rated CFM [L/s] | 1200/1200 [566/566] | 1200/1200 [566/566] | 1200/1200 [566/566] |
| AHRI Net Cooling Capacity Btu/h [kW] | 34,200 [10.02] | 34,200 [10.02] | 34,200 [10.02] |
| Net Sensible Capacity Btu/h [kW] | 25,800 [7.56] | 25,800 [7.56] | 25,800 [7.56] |
| Net Latent Capacity Btu/h [kW] | 9,200 [2.7] | 9,200 [2.7] | 9,200 [2.7] |
| Net System Power kW | 2.98 | 2.98 | 2.98 |
| **Heating Performance (Gas)[3]** | | | |
| Heating Input Btu/h [kW] | 42,000/60,000 [12.30/17.58] | 56,000/80,000 [16.41/23.44] | 70,000/100,000 [20.51/29.3] |
| Heating Output Btu/h [kW] | 34,020/48,600 [9.97/14.24] | 45,360/64,800 [13.29/18.99] | 56,700/81,000 [16.61/23.73] |
| Temperature Rise Range °F [°C] | 20-50 [11.1-27.7] / 30-60 [16.6-33.3] | 25-55 [13.8-30.5] / 35-65 [19.4-36.1] | 35-65 [19.4-36.1] / 45-75 [25-41.6] |
| AFUE %[4] | 81 | 81 | 81 |
| Steady State Efficiency (%) | NA | NA | NA |
| No. Burners | 3 | 4 | 5 |
| No. Stages | 2 | 2 | 2 |
| Gas Connection Pipe Size in. [mm] | 0.5 [12.7] | 0.5 [12.7] | 0.5 [12.7] |
| **Compressor** | | | |
| No./Type | 1/2/Scroll | 1/2/Scroll | 1/2/Scroll |
| **Outdoor Sound Rating (dB)[5]** | 71 | 71 | 71 |
| **Outdoor Coil - Fin Type** | Louvered | Louvered | Louvered |
| Tube Type | MicroChannel | MicroChannel | MicroChannel |
| MicroChannel Depth in. [mm] | 0.472 [12] | 0.472 [12] | 0.472 [12] |
| Face Area sq. ft. [sq. m] | 16.26 [1.51] | 16.26 [1.51] | 16.26 [1.51] |
| Rows/FPI [FPcm] | 1/23 [9] | 1/23 [9] | 1/23 [9] |
| **Indoor Coil - Fin Type** | Louvered | Louvered | Louvered |
| Tube Type | MicroChannel | MicroChannel | MicroChannel |
| MicroChannel Depth in. [mm] | 1 [25.4] | 1 [25.4] | 1 [25.4] |
| Face Area sq. ft. [sq. m] | 4 [0.37] | 4 [0.37] | 4 [0.37] |
| Rows/FPI [FPcm] | 1/20 [8] | 1/20 [8] | 1/20 [8] |
| Refrigerant Control | 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] |
| **Outdoor Fan - Type** | Propeller | Propeller | Propeller |
| No. Used/Diameter in. [mm] | 1/22 [558.8] | 1/22 [558.8] | 1/22 [558.8] |
| Drive Type/No. Speeds | Direct/1 | Direct/1 | Direct/1 |
| CFM [L/s] | 3250 [1534] | 3250 [1534] | 3250 [1534] |
| No. Motors/HP | 1 at 1/3 HP | 1 at 1/3 HP | 1 at 1/3 HP |
| Motor RPM | 825 | 825 | 825 |
| **Indoor Fan - Type** | FC Centrifugal | FC Centrifugal | FC Centrifugal |
| No. Used/Diameter in. [mm] | 1/12x9 [305x229] | 1/12x9 [305x229] | 1/12x9 [305x229] |
| Drive Type | Direct | Direct | Direct |
| No. Speeds | Multiple | Multiple | Multiple |
| No. Motors | 1 | 1 | 1 |
| Motor HP | 1 | 1 | 1 |
| Motor RPM | 1050 | 1050 | 1050 |
| Motor Frame Size | 48 | 48 | 48 |
| **Filter - Type** | Field Supplied | Field Supplied | Field Supplied |
| Furnished | No | No | No |
| (NO.) Size Recommended in. [mm x mm x mm] | (1)1x24x24 [25x610x610] | (1)1x24x24 [25x610x610] | (1)1x24x24 [25x610x610] |
| **Refrigerant Charge Oz. [g]** | 53 [1503] | 53 [1503] | 53 [1503] |
| **Weights** | | | |
| Net Weight lbs. [kg] | 440 [200] | 445 [202] | 450 [204] |
| Ship Weight lbs. [kg] | 450 [204] | 455 [206] | 460 [209] |

See Page 17 for Notes.

**[ ] Designates Metric Conversions**

# NOMINAL SIZES 4-5 TONS [14-17.6 kW]

| Model RGEXYC Series | 048ACV08 | 048ACV10 | 048ADV08 | 048ADV10 |
|---|---|---|---|---|
| **Cooling Performance[1]** | | | | CONTINUED → |
| Gross Cooling Capacity Btu/h [kW] | 48,500 [14.21] | 48,500 [14.21] | 48,500 [14.21] | 48,500 [14.21] |
| EER2/SEER2[2] | 11.5/15.2 | 11.5/15.2 | 11.5/15.2 | 11.5/15.2 |
| Nominal CFM/AHRI Rated CFM [L/s] | 1600/1525 [755/720] | 1600/1525 [755/720] | 1600/1525 [755/720] | 1600/1525 [755/720] |
| 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] | 33,300 [9.76] | 33,300 [9.76] | 33,300 [9.76] | 33,300 [9.76] |
| Net Latent Capacity Btu/h [kW] | 14,200 [4.16] | 14,200 [4.16] | 14,200 [4.16] | 14,200 [4.16] |
| Net System Power kW | 3.9 | 3.9 | 3.9 | 3.9 |
| **Heating Performance (Gas)[3]** | | | | |
| Heating Input Btu/h [kW] (1st Stage/2nd Stage) | 56,000/80,000 [16.41/23.44] | 70,000/100,000 [20.51/29.3] | 56,000/80,000 [16.41/23.44] | 70,000/100,000 [20.51/29.3] |
| Heating Output Btu/h [kW] (1st Stage/2nd Stage) | 45,360/64,800 [13.29/18.99] | 56,700/81,000 [16.61/23.73] | 45,360/64,800 [13.29/18.99] | 56,700/81,000 [16.61/23.73] |
| Temperature Rise Range °F [°C] (1st Stage/2nd Stage) | 25-55 [13.9-30.6]/ 35-65 [19.4-36.1] | 25-55 [13.9-30.6]/ 35-65 [19.4-36.1] | 25-55 [13.9-30.6]/ 35-65 [19.4-36.1] | 25-55 [13.9-30.6]/ 35-65 [19.4-36.1] |
| AFUE %[4] | NA | NA | NA | NA |
| Steady State Efficiency (%) | 81 | 81 | 81 | 81 |
| No. Burners | 4 | 5 | 4 | 5 |
| No. Stages | 2 | 2 | 2 | 2 |
| Gas Connection Pipe Size in. [mm] | 0.5 [12.7] | 0.5 [12.7] | 0.5 [12.7] | 0.5 [12.7] |
| **Compressor** | | | | |
| No./Type | 1/2/Scroll | 1/2/Scroll | 1/2/Scroll | 1/2/Scroll |
| **Outdoor Sound Rating (dB)[5]** | 81 | 81 | 81 | 81 |
| **Outdoor Coil - Fin Type** | 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] | 15.98 [1.48] | 15.98 [1.48] | 15.98 [1.48] | 15.98 [1.48] |
| Rows/FPI [FPcm] | 1 / 23 [9] | 1 / 23 [9] | 1 / 23 [9] | 1 / 23 [9] |
| **Indoor Coil - Fin Type** | 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] | 7.07 [0.66] | 7.07 [0.66] | 7.07 [0.66] | 7.07 [0.66] |
| 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] |
| **Outdoor Fan - Type** | Propeller | Propeller | Propeller | Propeller |
| No. Used/Diameter in. [mm] | 1/24 [609.6] | 1/24 [609.6] | 1/24 [609.6] | 1/24 [609.6] |
| Drive Type/No. Speeds | Direct/1 | Direct/1 | Direct/1 | Direct/1 |
| CFM [L/s] | 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 |
| **Indoor Fan - Type** | 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 |
| **Filter - Type** | Field Supplied | Field Supplied | Field Supplied | Field Supplied |
| Furnished | No | No | No | No |
| (NO.) Size Recommended in. [mm x mm x mm] | (2)1x16x30 [25x406x762] | (2)1x16x30 [25x406x762] | (2)1x16x30 [25x406x762] | (2)1x16x30 [25x406x762] |
| **Refrigerant Charge Oz. [g]** | 81 [2296] | 81 [2296] | 81 [2296] | 81 [2296] |
| **Weights** | | | | |
| Net Weight lbs. [kg] | 505 [229] | 510 [231] | 505 [229] | 510 [231] |
| Ship Weight lbs. [kg] | 515 [234] | 520 [236] | 515 [234] | 520 [236] |

See Page 17 for Notes.

**[ ] Designates Metric Conversions**

# NOMINAL SIZES 4-5 TONS [14-17.6 kW]

| Model RGEXYC Series | 048AJV08 | 048AJV10 | 060ACV08 | 060AJV10 |
|---|---|---|---|---|
| **Cooling Performance[1]** | | | | CONTINUED → |
| Gross Cooling Capacity Btu/h [kW] | 48,500 [14.21] | 48,500 [14.21] | 59,000 [17.29] | 59,000 [17.29] |
| EER2/SEER2[2] | 11.5/15.2 | 11.5/15.2 | 11.5/15.2 | 11.5/15.2 |
| Nominal CFM/AHRI Rated CFM [L/s] | 1600/1525 [755/720] | 1600/1525 [755/720] | 2000/1800 [944/849] | 2000/1800 [944/849] |
| AHRI Net Cooling Capacity Btu/h [kW] | 45,500 [13.33] | 45,500 [13.33] | 57,000 [16.7] | 57,000 [16.7] |
| Net Sensible Capacity Btu/h [kW] | 33,300 [9.76] | 33,300 [9.76] | 39,000 [11.43] | 39,000 [11.43] |
| Net Latent Capacity Btu/h [kW] | 14,200 [4.16] | 14,200 [4.16] | 18,000 [5.27] | 18,000 [5.27] |
| Net System Power kW | 3.9 | 3.9 | 5.1 | 5.1 |
| **Heating Performance (Gas)[3]** | | | | |
| Heating Input Btu/h [kW] (1st Stage/2nd Stage) | 56,000/80,000 [16.41/23.44] | 70,000/100,000 [20.51/29.3] | 56,000/80,000 [16.41/23.44] | 70,000/100,000 [20.51/29.3] |
| Heating Output Btu/h [kW] (1st Stage/2nd Stage) | 45,360/64,800 [13.29/18.99] | 56,700/81,000 [16.61/23.73] | 45,360/64,800 [13.29/18.99] | 56,700/81,000 [16.61/23.73] |
| Temperature Rise Range °F [°C] (1st Stage/2nd Stage) | 25-55 [13.9-30.6] / 35-65 [19.4-36.1] | 25-55 [13.9-30.6] / 35-65 [19.4-36.1] | 25-55 [13.9-30.6] / 35-65 [19.4-36.1] | 25-55 [13.9-30.6] / 35-65 [19.4-36.1] |
| AFUE %[4] | 81 | 81 | NA | NA |
| Steady State Efficiency (%) | NA | NA | 81 | 81 |
| No. Burners | 4 | 5 | 4 | 5 |
| No. Stages | 2 | 2 | 2 | 2 |
| Gas Connection Pipe Size in. [mm] | 0.5 [12.7] | 0.5 [12.7] | 0.5 [12.7] | 0.5 [12.7] |
| **Compressor** | | | | |
| No./Type | 1/2/Scroll | 1/2/Scroll | 1/2/Scroll | 1/2/Scroll |
| **Outdoor Sound Rating (dB)[5]** | 81 | 81 | 83 | 83 |
| **Outdoor Coil - Fin Type** | 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] | 15.98 [1.48] | 15.98 [1.48] | 15.98 [1.48] | 15.98 [1.48] |
| Rows/FPI [FPcm] | 1 / 23 [9] | 1 / 23 [9] | 1 / 23 [9] | 1 / 23 [9] |
| **Indoor Coil - Fin Type** | 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] | 7.07 [0.66] | 7.07 [0.66] | 6.96 [0.65] | 6.96 [0.65] |
| 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] |
| **Outdoor Fan - Type** | Propeller | Propeller | Propeller | Propeller |
| No. Used/Diameter in. [mm] | 1/24 [609.6] | 1/24 [609.6] | 1/24 [609.6] | 1/24 [609.6] |
| Drive Type/No. Speeds | Direct/1 | Direct/1 | Direct/1 | Direct/1 |
| CFM [L/s] | 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 |
| **Indoor Fan - Type** | 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 |
| **Filter - Type** | Field Supplied | Field Supplied | Field Supplied | Field Supplied |
| Furnished | No | No | No | No |
| (NO.) Size Recommended in. [mm x mm x mm] | (2)1x16x30 [25x406x762] | (2)1x16x30 [25x406x762] | (2)1x16x30 [25x406x762] | (2)1x16x30 [25x406x762] |
| **Refrigerant Charge Oz. [g]** | 81 [2296] | 81 [2296] | 89 [2523] | 89 [2523] |
| **Weights** | | | | |
| Net Weight lbs. [kg] | 505 [229] | 510 [231] | 510 [231] | 515 [234] |
| Ship Weight lbs. [kg] | 515 [234] | 520 [236] | 520 [236] | 525 [238] |

See Page 17 for Notes.

**[ ] Designates Metric Conversions**

# NOMINAL SIZES 4-5 TONS [14-17.6 kW]

| Model RGEXYC Series | 060ADV08 | 060ADV10 | 060AJV08 | 060AJV10 |
|---|---|---|---|---|
| **Cooling Performance[1]** | | | | |
| Gross Cooling Capacity Btu/h [kW] | 59,000 [17.29] | 59,000 [17.29] | 59,000 [17.29] | 59,000 [17.29] |
| EER2/SEER2[2] | 11.5/15.2 | 11.5/15.2 | 11.5/15.2 | 11.5/15.2 |
| Nominal CFM/AHRI Rated CFM [L/s] | 2000/1800 [944/849] | 2000/1800 [944/849] | 2000/1800 [944/849] | 2000/1800 [944/849] |
| AHRI Net Cooling Capacity Btu/h [kW] | 57,000 [16.7] | 57,000 [16.7] | 57,000 [16.7] | 57,000 [16.7] |
| Net Sensible Capacity Btu/h [kW] | 39,000 [11.43] | 39,000 [11.43] | 39,000 [11.43] | 39,000 [11.43] |
| Net Latent Capacity Btu/h [kW] | 18,000 [5.27] | 18,000 [5.27] | 18,000 [5.27] | 18,000 [5.27] |
| Net System Power kW | 5.1 | 5.1 | 5.1 | 5.1 |
| **Heating Performance (Gas)[3]** | | | | |
| Heating Input Btu/h [kW] (1st Stage/2nd Stage) | 56,000/80,000 [16.41/23.44] | 70,000/100,000 [20.51/29.3] | 56,000/80,000 [16.41/23.44] | 70,000/100,000 [20.51/29.3] |
| Heating Output Btu/h [kW] (1st Stage/2nd Stage) | 45,360/64,800 [13.29/18.99] | 56,700/81,000 [16.61/23.73] | 45,360/64,800 [13.29/18.99] | 56,700/81,000 [16.61/23.73] |
| Temperature Rise Range °F [°C] (1st Stage/2nd Stage) | 25-55 [13.9-30.6]/ 35-65 [19.4-36.1] | 25-55 [13.9-30.6]/ 35-65 [19.4-36.1] | 25-55 [13.9-30.6/ 35-65 [19.4-36.1] | 25-55 [13.9-30.6]/ 35-65 [19.4-36.1] |
| AFUE %[4] | NA | NA | 81 | 81 |
| Steady State Efficiency (%) | 81 | 81 | NA | NA |
| No. Burners | 4 | 5 | 4 | 5 |
| No. Stages | 2 | 2 | 2 | 2 |
| Gas Connection Pipe Size in. [mm] | 0.5 [12.7] | 0.5 [12.7] | 0.5 [12.7] | 0.5 [12.7] |
| **Compressor** | | | | |
| No./Type | 1/2/Scroll | 1/2/Scroll | 1/2/Scroll | 1/2/Scroll |
| **Outdoor Sound Rating (dB)[5]** | 83 | 83 | 83 | 83 |
| **Outdoor Coil - Fin Type** | 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] | 15.98 [1.48] | 15.98 [1.48] | 15.98 [1.48] | 15.98 [1.48] |
| Rows/FPI [FPcm] | 1 / 23 [9] | 1 / 23 [9] | 1 / 23 [9] | 1 / 23 [9] |
| **Indoor Coil - Fin Type** | 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] | 6.96 [0.65] | 6.96 [0.65] | 6.96 [0.65] | 6.96 [0.65] |
| 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] |
| **Outdoor Fan - Type** | Propeller | Propeller | Propeller | Propeller |
| No. Used/Diameter in. [mm] | 1/24 [609.6] | 1/24 [609.6] | 1/24 [609.6] | 1/24 [609.6] |
| Drive Type/No. Speeds | Direct/1 | Direct/1 | Direct/1 | Direct/1 |
| CFM [L/s] | 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 |
| **Indoor Fan - Type** | 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 |
| **Filter - Type** | Field Supplied | Field Supplied | Field Supplied | Field Supplied |
| Furnished | No | No | No | No |
| (NO.) Size Recommended in. [mm x mm x mm] | (2)1x16x30 [25x406x762] | (2)1x16x30 [25x406x762] | (2)1x16x30 [25x406x762] | (2)1x16x30 [25x406x762] |
| **Refrigerant Charge Oz. [g]** | 89 [2523] | 89 [2523] | 89 [2523] | 89 [2523] |
| **Weights** | | | | |
| Net Weight lbs. [kg] | 510 [231] | 515 [234] | 515 [234] | 515 [234] |
| Ship Weight lbs. [kg] | 520 [236] | 525 [238] | 525 [238] | 525 [238] |

See Page 17 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 ±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.

# COOLING PERFORMANCE DATA—RGEAYC024

| ENTERING INDOOR AIR @ 80°F [26.7°C] dbe① | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| wbE | | | 71°F [21.7°C] | | | 67°F [19.4°C] | | | 63°F [17.2°C] | | | |
| CFM [L/s] | | | 950 [448] | 825 [389] | 725 [342] | 950 [448] | 825 [389] | 725 [342] | 950 [448] | 825 [389] | 725 [342] | |
| DR ① | | | .05 | .09 | .12 | .05 | .09 | .12 | .05 | .09 | .12 | |
| OUTDOOR DRY BULB TEMPERATURE °F [°C] | 75 [23.9] | Total kBtu/h [kW] | 31.4 [9.2] | 30.6 [9.0] | 29.9 [8.8] | 29.2 [8.6] | 28.4 [8.3] | 27.8 [8.1] | 27.2 [8.0] | 26.4 [7.7] | 25.9 [7.6] | |
| | | Sens kBtu/h [kW] | 18.0 [5.3] | 16.8 [4.9] | 15.9 [4.7] | 21.1 [6.2] | 19.7 [5.8] | 18.6 [5.5] | 24.0 [7.0] | 22.5 [6.6] | 21.2 [6.2] | |
| | | Power | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.5 | 1.5 | |
| | 80 [26.7] | Total kBtu/h [kW] | 30.6 [9.0] | 29.8 [8.7] | 29.2 [8.6] | 28.4 [8.3] | 27.7 [8.1] | 27.0 [7.9] | 26.4 [7.7] | 25.7 [7.5] | 25.1 [7.4] | |
| | | Sens kBtu/h [kW] | 17.5 [5.1] | 16.3 [4.8] | 15.4 [4.5] | 20.6 [6.0] | 19.2 [5.6] | 18.1 [5.3] | 23.5 [6.9] | 21.9 [6.4] | 20.7 [6.1] | |
| | | Power | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.6 | 1.7 | 1.6 | 1.6 | |
| | 85 [29.4] | Total kBtu/h [kW] | 29.8 [8.7] | 29.0 [8.5] | 28.4 [8.3] | 27.6 [8.1] | 26.9 [7.9] | 26.3 [7.7] | 25.6 [7.5] | 24.9 [7.3] | 24.3 [7.1] | |
| | | Sens kBtu/h [kW] | 17.0 [5.0] | 15.8 [4.6] | 14.9 [4.4] | 20.0 [5.9] | 18.7 [5.5] | 17.7 [5.2] | 23.0 [6.7] | 21.5 [6.3] | 20.3 [5.9] | |
| | | Power | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.7 | 1.8 | 1.7 | 1.7 | |
| | 90 [32.2] | Total kBtu/h [kW] | 29.0 [8.5] | 28.2 [8.3] | 27.6 [8.1] | 26.8 [7.9] | 26.1 [7.6] | 25.5 [7.5] | 24.8 [7.3] | 24.1 [7.1] | 23.6 [6.9] | |
| | | Sens kBtu/h [kW] | 16.5 [4.8] | 15.4 [4.5] | 14.5 [4.2] | 19.6 [5.7] | 18.3 [5.4] | 17.2 [5.0] | 22.5 [6.6] | 21.0 [6.2] | 19.8 [5.8] | |
| | | Power | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.8 | 1.9 | 1.8 | 1.8 | |
| | 95 [35] | Total kBtu/h [kW] | 28.2 [8.3] | 27.4 [8.0] | 26.8 [7.9] | 26.0 [7.6] | 25.3 [7.4] | 24.7 [7.2] | 23.9 [7.0] | 23.3 [6.8] | 22.8 [6.7] | |
| | | Sens kBtu/h [kW] | 16.0 [4.7] | 15.0 [4.4] | 14.1 [4.1] | 19.1 [5.6] | 17.8 [5.2] | 16.8 [4.9] | 22 [6.4] | 20.6 [6.0] | 19.4 [5.7] | |
| | | Power | 2.0 | 2.0 | 1.9 | 2.0 | 2.0 | 1.9 | 2.0 | 1.9 | 1.9 | |
| | 100 [37.8] | Total kBtu/h [kW] | 27.3 [8.0] | 26.6 [7.8] | 26.0 [7.6] | 25.1 [7.4] | 24.4 [7.2] | 23.9 [7.0] | 23.1 [6.8] | 22.4 [6.6] | 22.0 [6.4] | |
| | | Sens kBtu/h [kW] | 15.6 [4.6] | 14.5 [4.2] | 13.7 [4.0] | 18.7 [5.5] | 17.4 [5.1] | 16.4 [4.8] | 21.6 [6.3] | 20.2 [5.9] | 19.0 [5.6] | |
| | | Power | 2.1 | 2.1 | 2.0 | 2.1 | 2.1 | 2.0 | 2.1 | 2.0 | 2.0 | |
| | 105 [40.6] | Total kBtu/h [kW] | 26.4 [7.7] | 25.7 [7.5] | 25.2 [7.4] | 24.2 [7.1] | 23.6 [6.9] | 23.1 [6.8] | 22.2 [6.5] | 21.6 [6.3] | 21.1 [6.2] | |
| | | Sens kBtu/h [kW] | 15.2 [4.5] | 14.2 [4.2] | 13.4 [3.9] | 18.3 [5.4] | 17.1 [5.0] | 16.1 [4.7] | 21.2 [6.2] | 19.8 [5.8] | 18.7 [5.5] | |
| | | Power | 2.2 | 2.2 | 2.1 | 2.2 | 2.2 | 2.1 | 2.2 | 2.1 | 2.1 | |
| | 110 [43.3] | Total kBtu/h [kW] | 25.6 [7.5] | 24.9 [7.3] | 24.3 [7.1] | 23.3 [6.8] | 22.7 [6.7] | 22.2 [6.5] | 21.3 [6.2] | 20.7 [6.1] | 20.3 [5.9] | |
| | | Sens kBtu/h [kW] | 14.8 [4.3] | 13.8 [4.0] | 13.0 [3.8] | 17.9 [5.2] | 16.7 [4.9] | 15.8 [4.6] | 20.8 [6.1] | 19.4 [5.7] | 18.3 [5.4] | |
| | | Power | 2.3 | 2.3 | 2.2 | 2.3 | 2.3 | 2.2 | 2.3 | 2.2 | 2.2 | |
| | 115 [46.1] | Total kBtu/h [kW] | 24.7 [7.2] | 24.0 [7.0] | 23.5 [6.9] | 22.4 [6.6] | 21.8 [6.4] | 21.4 [6.3] | 20.4 [6.0] | 19.9 [5.8] | 19.4 [5.7] | |
| | | Sens kBtu/h [kW] | 14.4 [4.2] | 13.5 [4.0] | 12.7 [3.7] | 17.5 [5.1] | 16.4 [4.8] | 15.4 [4.5] | 20.4 [6.0] | 19.1 [5.6] | 18.0 [5.3] | |
| | | Power | 2.4 | 2.4 | 2.3 | 2.4 | 2.4 | 2.3 | 2.4 | 2.3 | 2.3 | |
| | 120 [48.9] | Total kBtu/h [kW] | 23.7 [6.9] | 23.1 [6.8] | 22.6 [6.6] | 21.5 [6.3] | 20.9 [6.1] | 20.5 [6.0] | 19.5 [5.7] | 19.0 [5.6] | 18.5 [5.4] | |
| | | Sens kBtu/h [kW] | 14.1 [4.1] | 13.2 [3.9] | 12.4 [3.6] | 17.2 [5.0] | 16.1 [4.7] | 15.2 [4.5] | 19.5 [5.7] | 18.8 [5.5] | 17.8 [5.2] | |
| | | Power | 2.5 | 2.5 | 2.4 | 2.5 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | |
| | 125 [51.7] | Total kBtu/h [kW] | 22.8 [6.7] | 22.2 [6.5] | 21.7 [6.4] | 20.6 [6.0] | 20.0 [5.9] | 19.6 [5.7] | 18.6 [5.5] | 18.1 [5.3] | 17.7 [5.2] | |
| | | Sens kBtu/h [kW] | 13.8 [4.0] | 12.9 [3.8] | 12.2 [3.6] | 16.9 [5.0] | 15.8 [4.6] | 14.9 [4.4] | 18.6 [5.5] | 18.1 [5.3] | 17.5 [5.1] | |
| | | Power | 2.6 | 2.6 | 2.5 | 2.6 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | |

DR —Depression ratio
dbE —Entering air dry bulb
wbE—Entering air wet bulb
Total —Total capacity x 1000 kBtu/h
Sens —Sensible capacity x 1000 kBtu/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**

# COOLING PERFORMANCE DATA—RGEXYC036

| ENTERING INDOOR AIR @ 80°F [26.7°C] dbe ① | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| wbE | | | 71°F [21.7°C] | | | 67°F [19.4°C] | | | 63°F [17.2°C] | | | |
| CFM [L/s] | | | 1375 [649] | 1200 [566] | 1075 [507] | 1375 [649] | 1200 [566] | 1075 [507] | 1375 [649] | 1200 [566] | 1075 [507] | |
| DR ① | | | .05 | .09 | .12 | .05 | .09 | .12 | .05 | .09 | .12 | |
| OUTDOOR DRY BULB TEMPERATURE °F [°C] | 75 [23.9] | Total kBtu/h [kW] | 45.6 [13.4] | 44.5 [13.0] | 43.6 [12.8] | 42.6 [12.5] | 41.5 [12.2] | 40.7 [11.9] | 40.1 [11.8] | 39.1 [11.5] | 38.3 [11.2] | |
| | | Sens kBtu/h [kW] | 26.1 [7.6] | 24.4 [7.2] | 23.2 [6.8] | 30.9 [9.1] | 28.9 [8.5] | 27.5 [8.1] | 36.3 [10.6] | 34.0 [10.0] | 32.3 [9.5] | |
| | | Power | 2.5 | 2.5 | 2.4 | 2.5 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | |
| | 80 [26.7] | Total kBtu/h [kW] | 44.5 [13.0] | 43.4 [12.7] | 42.6 [12.5] | 41.5 [12.2] | 40.4 [11.8] | 39.6 [11.6] | 39.0 [11.4] | 38.0 [11.1] | 37.3 [10.9] | |
| | | Sens kBtu/h [kW] | 25.6 [7.5] | 23.9 [7.0] | 22.8 [6.7] | 30.4 [8.9] | 28.5 [8.4] | 27.1 [7.9] | 35.8 [10.5] | 33.5 [9.8] | 31.9 [9.3] | |
| | | Power | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.5 | 2.5 | 2.5 | |
| | 85 [29.4] | Total kBtu/h [kW] | 43.4 [12.7] | 42.3 [12.4] | 41.5 [12.2] | 40.3 [11.8] | 39.3 [11.5] | 38.5 [11.3] | 37.8 [11.1] | 36.9 [10.8] | 36.2 [10.6] | |
| | | Sens kBtu/h [kW] | 25.0 [7.3] | 23.4 [6.9] | 22.3 [6.5] | 29.8 [8.7] | 27.9 [8.2] | 26.6 [7.8] | 35.2 [10.3] | 33.0 [9.7] | 31.4 [9.2] | |
| | | Power | 2.8 | 2.8 | 2.7 | 2.8 | 2.7 | 2.7 | 2.7 | 2.7 | 2.6 | |
| | 90 [32.2] | Total kBtu/h [kW] | 42.2 [12.4] | 41.1 [12.0] | 40.3 [11.8] | 39.1 [11.5] | 38.1 [11.2] | 37.4 [11.0] | 36.7 [10.8] | 35.7 [10.5] | 35.0 [10.3] | |
| | | Sens kBtu/h [kW] | 24.4 [7.2] | 22.9 [6.7] | 21.8 [6.4] | 29.2 [8.6] | 27.4 [8.0] | 26.0 [7.6] | 34.6 [10.1] | 32.4 [9.5] | 30.9 [9.1] | |
| | | Power | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.8 | 2.8 | 2.8 | 2.8 | |
| | 95 [35] | Total kBtu/h [kW] | 41.0 [12.0] | 39.9 [11.7] | 39.1 [11.5] | 37.9 [11.1] | 36.9 [10.8] | 36.2 [10.6] | 35.4 [10.4] | 34.5 [10.1] | 33.9 [9.9] | |
| | | Sens kBtu/h [kW] | 23.8 [7.0] | 22.3 [6.5] | 21.2 [6.2] | 28.6 [8.4] | 26.8 [7.9] | 25.5 [7.5] | 34.0 [10.0] | 31.8 [9.3] | 30.3 [8.9] | |
| | | Power | 3.1 | 3.0 | 3.0 | 3.1 | 3.0 | 3.0 | 3.0 | 2.9 | 2.9 | |
| | 100 [37.8] | Total kBtu/h [kW] | 39.7 [11.6] | 38.7 [11.3] | 37.9 [11.1] | 36.6 [10.7] | 35.7 [10.5] | 35.0 [10.3] | 34.2 [10.0] | 33.3 [9.8] | 32.6 [9.6] | |
| | | Sens kBtu/h [kW] | 23.1 [6.8] | 21.6 [6.3] | 20.6 [6.0] | 27.9 [8.2] | 26.1 [7.6] | 24.9 [7.3] | 33.3 [9.8] | 31.2 [9.1] | 29.7 [8.7] | |
| | | Power | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.1 | 3.1 | 3.1 | 3.1 | |
| | 105 [40.6] | Total kBtu/h [kW] | 38.4 [11.3] | 37.4 [11.0] | 36.7 [10.8] | 35.3 [10.3] | 34.4 [10.1] | 33.8 [9.9] | 32.9 [9.6] | 32.0 [9.4] | 31.4 [9.2] | |
| | | Sens kBtu/h [kW] | 22.4 [6.6] | 20.9 [6.1] | 19.9 [5.8] | 27.2 [8.0] | 25.5 [7.5] | 24.2 [7.1] | 32.6 [9.6] | 30.5 [8.9] | 29.0 [8.5] | |
| | | Power | 3.4 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.2 | 3.2 | |
| | 110 [43.3] | Total kBtu/h [kW] | 37.0 [10.8] | 36.1 [10.6] | 35.4 [10.4] | 34.0 [10.0] | 33.1 [9.7] | 32.5 [9.5] | 31.5 [9.2] | 30.7 [9.0] | 30.1 [8.8] | |
| | | Sens kBtu/h [kW] | 21.6 [6.3] | 20.2 [5.9] | 19.3 [5.7] | 26.4 [7.7] | 24.7 [7.2] | 23.5 [6.9] | 31.5 [9.2] | 29.8 [8.7] | 28.4 [8.3] | |
| | | Power | 3.5 | 3.5 | 3.4 | 3.5 | 3.4 | 3.4 | 3.4 | 3.4 | 3.3 | |
| | 115 [46.1] | Total kBtu/h [kW] | 35.7 [10.5] | 34.7 [10.2] | 34.1 [10.0] | 32.6 [9.6] | 31.8 [9.3] | 31.2 [9.1] | 30.1 [8.8] | 29.3 [8.6] | 28.8 [8.4] | |
| | | Sens kBtu/h [kW] | 20.8 [6.1] | 19.5 [5.7] | 18.5 [5.4] | 25.6 [7.5] | 24.0 [7.0] | 22.8 [6.7] | 30.1 [8.8] | 29.0 [8.5] | 27.6 [8.1] | |
| | | Power | 3.7 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.5 | 3.5 | |
| | 120 [48.9] | Total kBtu/h [kW] | 34.2 [10.0] | 33.3 [9.8] | 32.7 [9.6] | 31.2 [9.1] | 30.4 [8.9] | 29.8 [8.7] | 28.7 [8.4] | 28.0 [8.2] | 27.4 [8.0] | |
| | | Sens kBtu/h [kW] | 20.0 [5.9] | 18.7 [5.5] | 17.8 [5.2] | 24.8 [7.3] | 23.2 [6.8] | 22.1 [6.5] | 28.7 [8.4] | 28.0 [8.2] | 26.9 [7.9] | |
| | | Power | 3.8 | 3.8 | 3.7 | 3.8 | 3.7 | 3.7 | 3.7 | 3.7 | 3.6 | |
| | 125 [51.7] | Total kBtu/h [kW] | 32.8 [9.6] | 31.9 [9.3] | 31.3 [9.2] | 29.7 [8.7] | 29.0 [8.5] | 28.4 [8.3] | 27.2 [8.0] | 26.5 [7.8] | 26.0 [7.6] | |
| | | Sens kBtu/h [kW] | 19.1 [5.6] | 17.9 [5.2] | 17.0 [5.0] | 23.9 [7.0] | 22.4 [6.6] | 21.3 [6.2] | 27.2 [8.0] | 26.5 [7.8] | 26.0 [7.6] | |
| | | Power | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.8 | 3.9 | 3.8 | 3.8 | |

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

Total —Total capacity x 1000 kBtu/h
Sens —Sensible capacity x 1000 kBtu/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**

# COOLING PERFORMANCE DATA—RGEXYC048A

| ENTERING INDOOR AIR @ 80°F [26.7°C] dbE ① | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| wbE | | | 71°F [21.7°C] | | | 67°F [19.4°C] | | | 63°F [17.2°C] | | | |
| CFM [L/s] | | | 1950 [920] | 1525 [720] | 1500 [708] | 1950 [920] | 1525 [720] | 1500 [708] | 1950 [920] | 1525 [720] | 1500 [708] | |
| DR ① | | | .05 | .09 | .12 | .05 | .09 | .12 | .05 | .09 | .12 | |
| OUTDOOR DRY BULB TEMPERATURE °F [°C] | 75 [23.9] | Total kBtu/h [kW] | 63.1 [18.5] | 60.1 [17.6] | 59.9 [17.6] | 58.8 [17.2] | 55.9 [16.4] | 55.8 [16.4] | 54.7 [16.0] | 52.1 [15.3] | 51.9 [15.2] | |
| | | Sens kBtu/h [kW] | 36.2 [10.6] | 32.0 [9.4] | 31.8 [9.3] | 42.5 [12.5] | 37.6 [11.0] | 37.3 [10.9] | 48.3 [14.2] | 42.7 [12.5] | 42.4 [12.4] | |
| | | Power | 3.5 | 3.4 | 3.4 | 3.4 | 3.4 | 3.3 | 3.4 | 3.3 | 3.3 | |
| | 80 [26.7] | Total kBtu/h [kW] | 62.1 [18.2] | 59.1 [17.3] | 59.0 [17.3] | 57.8 [16.9] | 55.0 [16.1] | 54.8 [16.1] | 53.7 [15.7] | 51.1 [15.0] | 51.0 [14.9] | |
| | | Sens kBtu/h [kW] | 36.0 [10.6] | 31.9 [9.3] | 31.6 [9.3] | 42.3 [12.4] | 37.4 [11.0] | 37.1 [10.9] | 48.1 [14.1] | 42.6 [12.5] | 42.2 [12.4] | |
| | | Power | 3.6 | 3.5 | 3.5 | 3.6 | 3.5 | 3.5 | 3.6 | 3.5 | 3.5 | |
| | 85 [29.4] | Total kBtu/h [kW] | 61.1 [17.9] | 58.1 [17.0] | 58.0 [17.0] | 56.7 [16.6] | 54.0 [15.8] | 53.8 [15.8] | 52.7 [15.4] | 50.1 [14.7] | 50.0 [14.7] | |
| | | Sens kBtu/h [kW] | 35.7 [10.5] | 31.6 [9.3] | 31.4 [9.2] | 42.0 [12.3] | 37.2 [10.9] | 36.9 [10.8] | 47.8 [14.0] | 42.3 [12.4] | 42.0 [12.3] | |
| | | Power | 3.8 | 3.7 | 3.7 | 3.7 | 3.7 | 3.6 | 3.7 | 3.6 | 3.6 | |
| | 90 [32.2] | Total kBtu/h [kW] | 59.9 [17.6] | 57.1 [16.7] | 56.9 [16.7] | 55.6 [16.3] | 52.9 [15.5] | 52.7 [15.4] | 51.5 [15.1] | 49.0 [14.4] | 48.9 [14.3] | |
| | | Sens kBtu/h [kW] | 35.3 [10.3] | 31.2 [9.1] | 31.0 [9.1] | 41.6 [12.2] | 36.8 [10.8] | 36.5 [10.7] | 47.4 [13.9] | 41.9 [12.3] | 41.6 [12.2] | |
| | | Power | 3.9 | 3.8 | 3.8 | 3.9 | 3.8 | 3.8 | 3.9 | 3.8 | 3.8 | |
| | 95 [35] | Total kBtu/h [kW] | 58.7 [17.2] | 55.9 [16.4] | 55.7 [16.3] | 54.4 [15.9] | 51.7 [15.2] | 51.6 [15.1] | 50.3 [14.7] | 47.9 [14.0] | 47.8 [14.0] | |
| | | Sens kBtu/h [kW] | 34.8 [10.2] | 30.8 [9.0] | 30.5 [8.9] | 41.1 [12.0] | 36.4 [10.7] | 36.1 [10.6] | 46.9 [13.7] | 41.5 [12.2] | 41.2 [12.1] | |
| | | Power | 4.1 | 4.0 | 4.0 | 4.1 | 4.0 | 4.0 | 4.1 | 4.0 | 4.0 | |
| | 100 [37.8] | Total kBtu/h [kW] | 57.5 [16.9] | 54.7 [16.0] | 54.6 [16.0] | 53.1 [15.6] | 50.5 [14.8] | 50.4 [14.8] | 49.1 [14.4] | 46.7 [13.7] | 46.6 [13.7] | |
| | | Sens kBtu/h [kW] | 34.2 [10.0] | 30.2 [8.9] | 30.0 [8.8] | 40.5 [11.9] | 35.8 [10.5] | 35.5 [10.4] | 46.3 [13.6] | 40.9 [12.0] | 40.6 [11.9] | |
| | | Power | 4.3 | 4.2 | 4.2 | 4.3 | 4.2 | 4.2 | 4.3 | 4.1 | 4.1 | |
| | 105 [40.6] | Total kBtu/h [kW] | 56.2 [16.5] | 53.5 [15.7] | 53.3 [15.6] | 51.8 [15.2] | 49.3 [14.4] | 49.1 [14.4] | 47.8 [14.0] | 45.5 [13.3] | 45.3 [13.3] | |
| | | Sens kBtu/h [kW] | 33.4 [9.8] | 29.6 [8.7] | 29.4 [8.6] | 39.7 [11.6] | 35.1 [10.3] | 34.9 [10.2] | 45.5 [13.3] | 40.3 [11.8] | 40.0 [11.7] | |
| | | Power | 4.5 | 4.4 | 4.4 | 4.5 | 4.4 | 4.4 | 4.5 | 4.3 | 4.3 | |
| | 110 [43.3] | Total kBtu/h [kW] | 54.8 [16.1] | 52.1 [15.3] | 52.0 [15.2] | 50.4 [14.8] | 48.0 [14.1] | 47.8 [14.0] | 46.4 [13.6] | 44.1 [12.9] | 44.0 [12.9] | |
| | | Sens kBtu/h [kW] | 32.6 [9.6] | 28.8 [8.4] | 28.6 [8.4] | 38.9 [11.4] | 34.4 [10.1] | 34.1 [10.0] | 44.7 [13.1] | 39.5 [11.6] | 39.2 [11.5] | |
| | | Power | 4.7 | 4.6 | 4.6 | 4.7 | 4.6 | 4.6 | 4.7 | 4.6 | 4.5 | |
| | 115 [46.1] | Total kBtu/h [kW] | 53.3 [15.6] | 50.8 [14.9] | 50.6 [14.8] | 48.9 [14.3] | 46.6 [13.7] | 46.4 [13.6] | 44.9 [13.2] | 42.8 [12.5] | 42.6 [12.5] | |
| | | Sens kBtu/h [kW] | 31.6 [9.3] | 28.0 [8.2] | 27.8v [8.1] | 37.9 [11.1] | 33.6 [9.8] | 33.3 [9.8] | 43.7 [12.8] | 38.7 [11.3] | 38.4 [11.3] | |
| | | Power | 5.0 | 4.8 | 4.8 | 4.9 | 4.8 | 4.8 | 4.9 | 4.8 | 4.8 | |
| | 120 [48.9] | Total kBtu/h [kW] | 51.8 [15.2] | 49.3 [14.4] | 49.2 [14.4] | 47.4 [13.9] | 45.1 [13.2] | 45.0 [13.2] | 43.4 [12.7] | 41.3 [12.1] | 41.2 [12.1] | |
| | | Sens kBtu/h [kW] | 30.6 [9.0] | 27.0 [7.9] | 26.8 [7.9] | 36.9 [10.8] | 32.6 [9.6] | 32.4 [9.5] | 42.7 [12.5] | 37.7 [11] | 37.5 [11] | |
| | | Power | 5.2 | 5.1 | 5.1 | 5.2 | 5.0 | 5.0 | 5.1 | 5.0 | 5.0 | |
| | 125 [51.7] | Total kBtu/h [kW] | 50.2 [14.7] | 47.8 [14.0] | 47.7 [14.0] | 45.9 [13.5] | 43.6 [12.8] | 43.5 [12.7] | 41.8 [12.3] | 39.8 [11.7] | 39.7 [11.6] | |
| | | Sens kBtu/h [kW] | 29.4 [8.6] | 26.0 [7.6] | 25.8 [7.6] | 35.7 [10.5] | 31.6 [9.3] | 31.3 [9.2] | 41.5 [12.2] | 36.7 [10.8] | 36.4 [10.7] | |
| | | Power | 5.4 | 5.3 | 5.3 | 5.4 | 5.3 | 5.3 | 5.4 | 5.3 | 5.2 | |

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

Total —Total capacity x 1000 kBtu/h
Sens —Sensible capacity x 1000 kBtu/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**

# COOLING PERFORMANCE DATA—RGEXYC060A

| ENTERING INDOOR AIR @ 80°F [26.7°C] dbE ① | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| wbE | | | 71°F [21.7°C] | | | 67°F [19.4°C] | | | 63°F [17.2°C] | | | |
| CFM [L/s] | | | 2300 [1085] | 1825 [861] | 1775 [838] | 2300 [1085] | 1825 [861] | 1775 [838] | 2300 [1085] | 1825 [861] | 1775 [838] | |
| DR ① | | | .05 | .09 | .12 | .05 | .09 | .12 | .05 | .09 | .12 | |
| OUTDOOR DRY BULB TEMPERATURE °F [°C] | 75 [23.9] | Total kBtu/h [kW] | 74.8 [21.9] | 71.4 [20.9] | 71.0 [20.8] | 70.0 [20.5] | 66.8 [19.6] | 66.5 [19.5] | 66.2 [19.4] | 63.2 [18.5] | 62.9 [18.4] | |
| | | Sens kBtu/h [kW] | 43.1 [12.6] | 38.4 [11.3] | 37.9 [11.1] | 50.8 [14.9] | 45.3 [13.3] | 44.7 [13.1] | 58.6 [17.2] | 52.3 [15.3] | 51.6 [15.1] | |
| | | Power | 4.3 | 4.2 | 4.2 | 4.3 | 4.2 | 4.2 | 4.2 | 4.1 | 4.0 | |
| | 80 [26.7] | Total kBtu/h [kW] | 73.4 [21.5] | 70.1 [20.5] | 69.7 [20.4] | 68.6 [20.1] | 65.5 [19.2] | 65.2 [19.1] | 64.8 [19.0] | 61.9 [18.1] | 61.6 [18.1] | |
| | | Sens kBtu/h [kW] | 42.6 [12.5] | 38.0 [11.1] | 37.5 [11.0] | 50.3 [14.7] | 44.9 [13.2] | 44.3 [13.0] | 58.1 [17.0] | 51.8 [15.2] | 51.2 [15.0] | |
| | | Power | 4.6 | 4.4 | 4.4 | 4.5 | 4.4 | 4.4 | 4.4 | 4.3 | 4.3 | |
| | 85 [29.4] | Total kBtu/h [kW] | 72.0 [21.1] | 68.7 [20.1] | 68.4 [20.0] | 67.2 [19.7] | 64.2 [18.8] | 63.8 [18.7] | 63.4 [18.6] | 60.5 [17.7] | 60.2 [17.6] | |
| | | Sens kBtu/h [kW] | 42.0 [12.3] | 37.5 [11.0] | 37.0 [10.8] | 49.8 [14.6] | 44.4 [13.0] | 43.8 [12.8] | 57.6 [16.9] | 51.3 [15.0] | 50.7 [14.9] | |
| | | Power | 4.8 | 4.7 | 4.7 | 4.7 | 4.6 | 4.6 | 4.6 | 4.5 | 4.5 | |
| | 90 [32.2] | Total kBtu/h [kW] | 70.5 [20.7] | 67.3 [19.7] | 66.9 [19.6] | 65.7 [19.3] | 62.7 [18.4] | 62.4 [18.3] | 61.9 [18.1] | 59.1 [17.3] | 58.8 [17.2] | |
| | | Sens kBtu/h [kW] | 41.4 [12.1] | 36.9 [10.8] | 36.4 [10.7] | 49.2 [14.4] | 43.8 [12.8] | 43.3 [12.7] | 56.9 [16.7] | 50.8 [14.9] | 50.1 [14.7] | |
| | | Power | 5.0 | 4.9 | 4.9 | 5.0 | 4.9 | 4.8 | 4.8 | 4.7 | 4.7 | |
| | 95 [35] | Total kBtu/h [kW] | 68.9 [20.2] | 65.8 [19.3] | 65.5 [19.2] | 64.1 [18.8] | 61.2 [17.9] | 60.9 [17.8] | 60.3 [17.7] | 57.6 [16.9] | 57.3 [16.8] | |
| | | Sens kBtu/h [kW] | 40.7 [11.9] | 36.3 [10.6] | 35.8 [10.5] | 48.5 [14.2] | 43.2 [12.7] | 42.7 [12.5] | 56.3 [16.5] | 50.2 [14.7] | 49.5 [14.5] | |
| | | Power | 5.2 | 5.1 | 5.1 | 5.2 | 5.1 | 5.1 | 5.1 | 5.0 | 5.0 | |
| | 100 [37.8] | Total kBtu/h [kW] | 67.3 [19.7] | 64.2 [18.8] | 63.9 [18.7] | 62.5 [18.3] | 59.7 [17.5] | 59.4 [17.4] | 58.7 [17.2] | 56.0 [16.4] | 55.7 [16.3] | |
| | | Sens kBtu/h [kW] | 40.0 [11.7] | 35.6 [10.4] | 35.2 [10.3] | 47.7 [14.0] | 42.6 [12.5] | 42.0 [12.3] | 55.5 [16.3] | 49.5 [14.5] | 48.9 [14.3] | |
| | | Power | 5.5 | 5.4 | 5.3 | 5.4 | 5.3 | 5.3 | 5.3 | 5.2 | 5.2 | |
| | 105 [40.6] | Total kBtu/h [kW] | 65.6 [19.2] | 62.6 [18.3] | 62.3 [18.3] | 60.8 [17.8] | 58.0 [17.0] | 57.7 [16.9] | 57.0 [16.7] | 54.4 [15.9] | 54.1 [15.9] | |
| | | Sens kBtu/h [kW] | 39.1 [11.5] | 34.9 [10.2] | 34.5 [10.1] | 46.9 [13.7] | 41.8 [12.3] | 41.3 [12.1] | 54.7 [16.0] | 48.8 [14.3] | 48.2 [14.1] | |
| | | Power | 5.7 | 5.6 | 5.6 | 5.7 | 5.5 | 5.5 | 5.5 | 5.4 | 5.4 | |
| | 110 [43.3] | Total kBtu/h [kW] | 63.8 [18.7] | 60.9 [17.8] | 60.6 [17.8] | 59.0 [17.3] | 56.3 [16.5] | 56.1 [16.4] | 55.2 [16.2] | 52.7 [15.4] | 52.4 [15.4] | |
| | | Sens kBtu/h [kW] | 38.3 [11.2] | 34.1 [10.0] | 33.7 [9.9] | 46.0 [13.5] | 41.0 [12.0] | 40.5 [11.9] | 53.8 [15.8] | 48.0 [14.1] | 47.4 [13.9] | |
| | | Power | 5.9 | 5.8 | 5.8 | 5.9 | 5.8 | 5.7 | 5.8 | 5.7 | 5.6 | |
| | 115 [46.1] | Total kBtu/h [kW] | 61.9 [18.1] | 59.1 [17.3] | 58.8 [17.2] | 57.2 [16.8] | 54.6 [16.0] | 54.3 [15.9] | 53.3 [15.6] | 50.9 [14.9] | 50.7 [14.9] | |
| | | Sens kBtu/h [kW] | 37.3 [10.9] | 33.3 [9.8] | 32.9 [9.6] | 45.1 [13.2] | 40.2 [11.8] | 39.7 [11.6] | 52.9 [15.5] | 47.1 [13.8] | 46.5 [13.6] | |
| | | Power | 6.2 | 6.0 | 6.0 | 6.1 | 6.0 | 6.0 | 6.0 | 5.9 | 5.9 | |
| | 120 [48.9] | Total kBtu/h [kW] | 60.0 [17.6] | 57.3 [16.8] | 57.0 [16.7] | 55.2 [16.2] | 52.7 [15.4] | 52.5 [15.4] | 51.4 [15.1] | 49.1 [14.4] | 48.8 [14.3] | |
| | | Sens kBtu/h [kW] | 36.3 [10.6] | 32.4 [9.5] | 32.0 [9.4] | 44.1 [12.9] | 39.3 [11.5] | 38.8 [11.4] | 51.4 [15.1] | 46.2 [13.5] | 45.7 [13.4] | |
| | | Power | 6.4 | 6.3 | 6.3 | 6.4 | 6.2 | 6.2 | 6.2 | 6.1 | 6.1 | |
| | 125 [51.7] | Total kBtu/h [kW] | 58.0 [17.0] | 55.4 [16.2] | 55.1 [16.1] | 53.3 [15.6] | 50.8 [14.9] | 50.6 [14.8] | 49.4 [14.5] | 47.2 [13.8] | 47.0 [13.8] | |
| | | Sens kBtu/h [kW] | 35.2 [10.3] | 31.4 [9.2] | 31.0 [9.1] | 43.0 [12.6] | 38.3 [11.2] | 37.8 [11.1] | 49.4 [14.5] | 45.3 [13.3] | 44.7 [13.1] | |
| | | Power | 6.6 | 6.5 | 6.5 | 6.6 | 6.4 | 6.4 | 6.5 | 6.3 | 6.3 | |

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

Total —Total capacity x 1000 kBtu/h
Sens —Sensible capacity x 1000 kBtu/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**

# AIRFLOW PERFORMANCE DATA

| RGEAYC024 AIRFLOW TARGETS | | |
|---|---|---|
| **THERMOSTAT CALL** | **NOMINAL CFM** | **MANUFACTURER RECOMMENDED COOLING AIRFLOW (MIN/MAX)** |
| High Cooling | 800 | 700 / 900 |
| Low Cooling | 600 | |
| 60k High Heating | 1025 | |
| 60K Low Heat | 930 | |
| Fan | 400 | |

| RGEAYC036 AIRFLOW TARGETS | | |
|---|---|---|
| **THERMOSTAT CALL** | **NOMINAL CFM** | **MANUFACTURER RECOMMENDED COOLING AIRFLOW (MIN/MAX)** |
| High Cooling | 1200 | 1050 / 1350 |
| Low Cooling | 800 | |
| 100k High Heat | 1540 | |
| 100K Low Heat | 1280 | |
| 80k High Heat | 1465 | |
| 80K Low Heat | 1300 | |
| 60k High Heat | 1224 | |
| 60K Low Heat | 1120 | |
| Fan | 600 | |

| RGEXYC048 AIRFLOW TARGETS | | |
|---|---|---|
| **THERMOSTAT CALL** | **NOMINAL CFM** | **MANUFACTURER RECOMMENDED COOLING AIRFLOW (MIN/MAX)** |
| High Cooling | 1525 | 1400 / 1800 |
| Low Cooling | 1000 | |
| 100k High Heat | 1465 | |
| 100K Low Heat | 1250 | |
| 80k High Heat | 1066 | |
| 80K Low Heat | 889 | |
| Fan | 750 | |

| RGEXYC060 AIRFLOW TARGETS | | |
|---|---|---|
| **THERMOSTAT CALL** | **NOMINAL CFM** | **MANUFACTURER RECOMMENDED COOLING AIRFLOW (MIN/MAX)** |
| High Cooling | 1800 | 1750 / 2250 |
| Low Cooling | 1200 | |
| 100k High Heat | 1600 | |
| 100K Low Heat | 1296 | |
| 80k High Heat | 1240 | |
| 80K Low Heat | 1065 | |
| Fan | 900 | |

**NOTES:** Max airflow could be either heating or cooling speed, depending on tonnage. see airflow table for duct sizing.

## ELECTRICAL DATA - RGEAYC SERIES

| | | 024ACV06 | 024AJV06 | 036ACV06 | 036ACV08 | 036ACV10 | 036ADV06 | 036ADV08 | 036ADV10 |
|---|---|---|---|---|---|---|---|---|---|
| Unit Information | Unit Operating Voltage Range | 187-253 | 187-253 | 187-253 | 187-253 | 187-253 | 414-506 | 414-506 | 414-506 |
| | Volts | 208/230 | 208/230 | 208/230 | 208/230 | 208/230 | 460 | 460 | 460 |
| | Phase | 3 | 1 | 3 | 3 | 3 | 3 | 3 | 3 |
| | Hz | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 |
| | Minimum Circuit Ampacity | 18 | 24 | 21 | 21 | 21 | 11 | 11 | 11 |
| | Minimum Overcurrent Protection Device Size | 20 | 35 | 25 | 25 | 25 | 15 | 15 | 15 |
| | Maximum Overcurrent Protection Device Size | 25 | 35 | 30 | 30 | 30 | 15 | 15 | 15 |
| Compressor Motor | No. | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | Volts | 208/230 | 208/230 | 208/230 | 208/230 | 208/230 | 460 | 460 | 460 |
| | Phase | 3 | 1 | 3 | 3 | 3 | 3 | 3 | 3 |
| | RPM | 3500 | 3500 | 3500 | 3500 | 3500 | 3500 | 3500 | 3500 |
| | Amps (RLA), Comp. 1 | 6.8 | 11.9 | 9.4 | 9.4 | 9.4 | 5.0 | 5.0 | 5.0 |
| | Amps (LRA), Comp. 1 | 70.0 | 65.0 | 82.0 | 82.0 | 82.0 | 44.3 | 44.3 | 44.3 |
| | HP, Compressor 2 | 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 |
| | Amps (LRA), Comp. 2 | 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 |
| | Volts | 208/230 | 208/230 | 208/230 | 208/230 | 208/230 | 460 | 460 | 460 |
| | Phase | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | HP | 1/6 | 1/6 | 1/3 | 1/3 | 1/3 | 1/3 | 1/3 | 1/3 |
| | Amps (FLA, each) | 0.6 | 0.6 | 1.5 | 1.5 | 1.5 | 0.8 | 0.8 | 0.8 |
| | Amps (LRA, each) | 1.5 | 1.5 | 3.0 | 3.0 | 3.0 | 1.6 | 1.6 | 1.6 |
| Evaporator Fan | No. | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | Volts | 208/230 | 208/230 | 208/230 | 208/230 | 208/230 | 460 | 460 | 460 |
| | Phase | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | HP | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | Amps (FLA, each) | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 3.5 | 3.5 | 3.5 |
| | Amps (LRA, each) | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |

| ELECTRICAL DATA - RGEAYC SERIES | | | | |
|---|---|---|---|---|
| | | **036AJV06** | **036AJV08** | **036AJV10** |
| **Unit Information** | Unit Operating Voltage Range | 187-253 | 187-253 | 187-253 |
| | Volts | 208/230 | 208/230 | 208/230 |
| | Phase | 1 | 1 | 1 |
| | Hz | 60 | 60 | 60 |
| | Minimum Circuit Ampacity | 28 | 28 | 28 |
| | Minimum Overcurrent Protection Device Size | 35 | 35 | 35 |
| | Maximum Overcurrent Protection Device Size | 40 | 40 | 40 |
| **Compressor Motor** | No. | 1 | 1 | 1 |
| | Volts | 208/230 | 208/230 | 208/230 |
| | Phase | 1 | 1 | 1 |
| | RPM | 3500 | 3500 | 3500 |
| | Amps (RLA), Comp. 1 | 14.9 | 14.9 | 14.9 |
| | Amps (LRA), Comp. 1 | 90.0 | 90.0 | 90.0 |
| | HP, Compressor 2 | N/A | N/A | N/A |
| | Amps (RLA), Comp. 2 | N/A | N/A | N/A |
| | Amps (LRA), Comp. 2 | N/A | N/A | N/A |
| **Condenser Motor** | No. | 1 | 1 | 1 |
| | Volts | 208/230 | 208/230 | 208/230 |
| | Phase | 1 | 1 | 1 |
| | HP | 1/3 | 1/3 | 1/3 |
| | Amps (FLA, each) | 1.5 | 1.5 | 1.5 |
| | Amps (LRA, each) | 3 | 3 | 3 |
| **Evaporator Fan** | No. | 1 | 1 | 1 |
| | Volts | 208/230 | 208/230 | 208/230 |
| | Phase | 1 | 1 | 1 |
| | HP | 1 | 1 | 1 |
| | Amps (FLA, each) | 7.6 | 7.6 | 7.6 |
| | Amps (LRA, each) | N/A | N/A | N/A |

## ELECTRICAL DATA - RGEXYC SERIES

| | | 048ACV08 | 048ACV10 | 048ADV08 | 048ADV10 | 048AJV08 | 048AJV10 | 060ACV08 | 060ACV10 | 060ADV08 |
|---|---|---|---|---|---|---|---|---|---|---|
| Unit Information | Unit Operating Voltage Range | 187-253 | 187-253 | 414-506 | 414-506 | 187-253 | 187-253 | 187-253 | 187-253 | 414-506 |
| | Volts | 208/230 | 208/230 | 460 | 460 | 208/230 | 208/230 | 208/230 | 208/230 | 460 |
| | Phase | 3 | 3 | 3 | 3 | 1 | 1 | 3 | 3 | 3 |
| | Hz | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 |
| | Minimum Circuit Ampacity | 25 | 25 | 14 | 14 | 35 | 35 | 27 | 27 | 14 |
| | Minimum Overcurrent Protection Device Size | 30 | 30 | 20 | 20 | 40 | 40 | 35 | 35 | 20 |
| | Maximum Overcurrent Protection Device Size | 35 | 35 | 20 | 20 | 50 | 50 | 40 | 40 | 20 |
| Compressor Motor | No. | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | Volts | 208/230 | 208/230 | 460 | 460 | 208/230 | 208/230 | 208/230 | 208/230 | 460 |
| | Phase | 3 | 3 | 3 | 3 | 1 | 1 | 3 | 3 | 3 |
| | RPM | 3500 | 3500 | 3500 | 3500 | 3500 | 3500 | 3500 | 3500 | 3500 |
| | Amps (RLA), Comp. 1 | 12.1 | 12.1 | 7.1 | 7.1 | 20.1 | 20.1 | 13.8 | 13.8 | 6.9 |
| | Amps (LRA), Comp. 1 | 123 | 123 | 60 | 60 | 141 | 141 | 150 | 150 | 60 |
| | 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 | 460 | 460 | 208/230 | 208/230 | 208/230 | 208/230 | 460 |
| | 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 | 1 | 1 | 2 | 2 | 2 | 2 | 1 |
| | Amps (LRA, each) | 3.9 | 3.9 | 2.2 | 2.2 | 3.9 | 3.9 | 3.9 | 3.9 | 2.2 |
| Evaporator Fan | No. | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | Volts | 208/230 | 208/230 | 460 | 460 | 208/230 | 208/230 | 208/230 | 208/230 | 460 |
| | 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 | 7.6 | 7.6 | 7.6 | 7.6 | 3.5 |
| | Amps (LRA, each) | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |

| ELECTRICAL DATA - RGEXYC SERIES | | | | |
|---|---|---|---|---|
| | | **060ADV10** | **060AJV08** | **060AJV10** |
| **Unit Information** | Unit Operating Voltage Range | 414-506 | 187-253 | 187-253 |
| | Volts | 460 | 208/230 | 208/230 |
| | Phase | 3 | 1 | 1 |
| | Hz | 60 | 60 | 60 |
| | Minimum Circuit Ampacity | 14 | 42 | 42 |
| | Minimum Overcurrent Protection Device Size | 20 | 50 | 50 |
| | Maximum Overcurrent Protection Device Size | 20 | 60 | 60 |
| **Compressor Motor** | No. | 1 | 1 | 1 |
| | Volts | 460 | 208/230 | 208/230 |
| | Phase | 3 | 1 | 1 |
| | RPM | 3500 | 3500 | 3500 |
| | Amps (RLA), Comp. 1 | 6.9 | 25.2 | 25.2 |
| | Amps (LRA), Comp. 1 | 60 | 147.3 | 147.3 |
| | HP, Compressor 2 | N/A | N/A | N/A |
| | Amps (RLA), Comp. 2 | N/A | N/A | N/A |
| | Amps (LRA), Comp. 2 | N/A | N/A | N/A |
| **Condenser Motor** | No. | 1 | 1 | 1 |
| | Volts | 460 | 208/230 | 208/230 |
| | Phase | 1 | 1 | 1 |
| | HP | 1/3 | 1/3 | 1/3 |
| | Amps (FLA, each) | 1 | 2 | 2 |
| | Amps (LRA, each) | 2.2 | 3.9 | 3.9 |
| **Evaporator Fan** | No. | 1 | 1 | 1 |
| | Volts | 460 | 208/230 | 208/230 |
| | Phase | 1 | 1 | 1 |
| | HP | 1 | 1 | 1 |
| | Amps (FLA, each) | 3.5 | 7.6 | 7.6 |
| | Amps (LRA, each) | N/A | N/A | N/A |

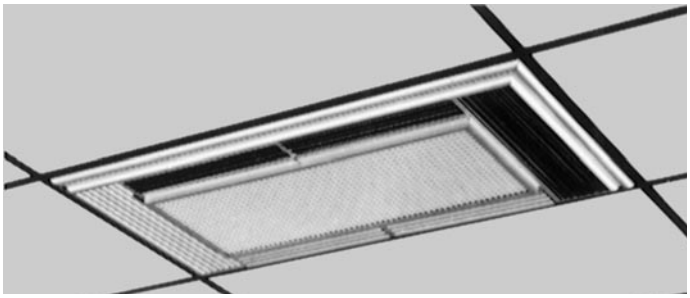
# ACCESSORY EQUIPMENT

| Accessory Description | Model Application | Accessory Model No. |
|---|---|---|
| Roofcurb | RGEA | RXSG-AAA08 (8" [203 mm] Height) |
| | | RXSG-AAA14 (14" [356 mm] Height) |
| | RGEX | RXSG-AXA14 (14" [356 mm] Height) |
| | | RXSG-AXA24 (24" [610 mm] Height) |
| Curb Adapter ("A" footprint to "X" footprint) | RGEX | RXRX-DXCAE |
| Duct Adapter Square to Round Transition (Sideflow) | RGE(A/X) | AXMC-BA01 |
| Supply & Return Diffusers (Downflow) | RGE(A/X) | RXRN-BD15 |
| Rectangular to Round Transition (Downflow) | RGE(A/X) | RXMC-CA02 (16" [406 mm] Ducts) |
| | | RXMC-CA03 (18" [457 mm] Ducts) |
| Economizers (Convertible) | RGEA | AXRD-01RACAM3 |
| | RGEX | RXRE-11RXCAM3 |
| Dual Enthalpy Kit | RGEA | RXRX-AV04 |
| | RGEX | PD555460 |
| Fresh Air Damper | RGEA | AXRF-FAA1 (Fixed-35%) |
| | | AXRF-FAB1 (Motorized-35%) |
| | RGEX | RXRF-FAA2 (Fixed-35%) |
| | | RXRF-FAB2 (Motorized-35%) |
| LP Conversion Kits[1] | RGEA<br>RGEX (Standard units) | RXGJ-FP28 (2-stage gas valve) |
| | RGEX (NOx units) | RXGJ-FP48 |
| Filter Kit | RGEA | RXRY-B01 |
| | RGEX | RXRY-B02 |
| Split Door Design Kit | RGEX | RXRX-SDX01 |
| Low Ambient Control | RGE(A/X) | RXPZ-G01 |
| Phase Monitor Kit | 3ph-RGE(A/X) | RXRX-PM3A01 |

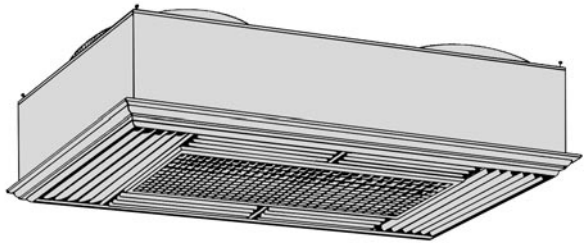
[1]If a particular unit is to be converted to operate on LP (propane) for elevations above 2000 ft. [609.6 m] in Canada, the existing Natural Gas to LP Conversion Kits for the subject models already contain the necessary orifices and instructions to de-rate the input for 2000-4500 ft. [609.6-1371.6 m]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

**[ ] Designates Metric Conversions**

# COMMON SUPPLY/RETURN CONCENTRIC AIR DIFFUSER



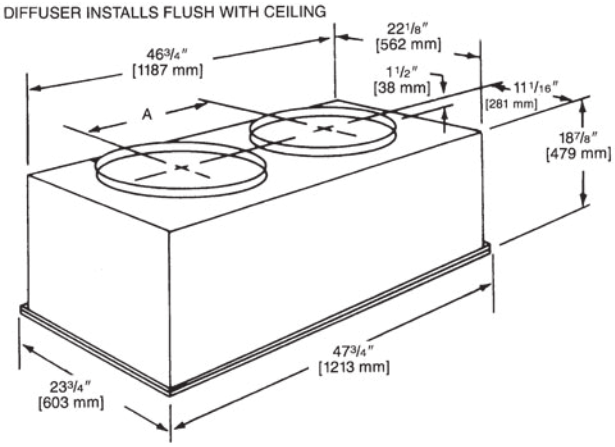
# SUPPLY/RETURN DIFFUSER



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. RXRN- | Diameter Inches [mm] | Shipping Wt. Lbs. [kg] | Dimension A Inches [mm] |
|---|---|---|---|
| BD15 | 16 [406] | 90 [40.82] | 20 1/2 [521] |

**[ ] Designates Metric Conversions**




**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])

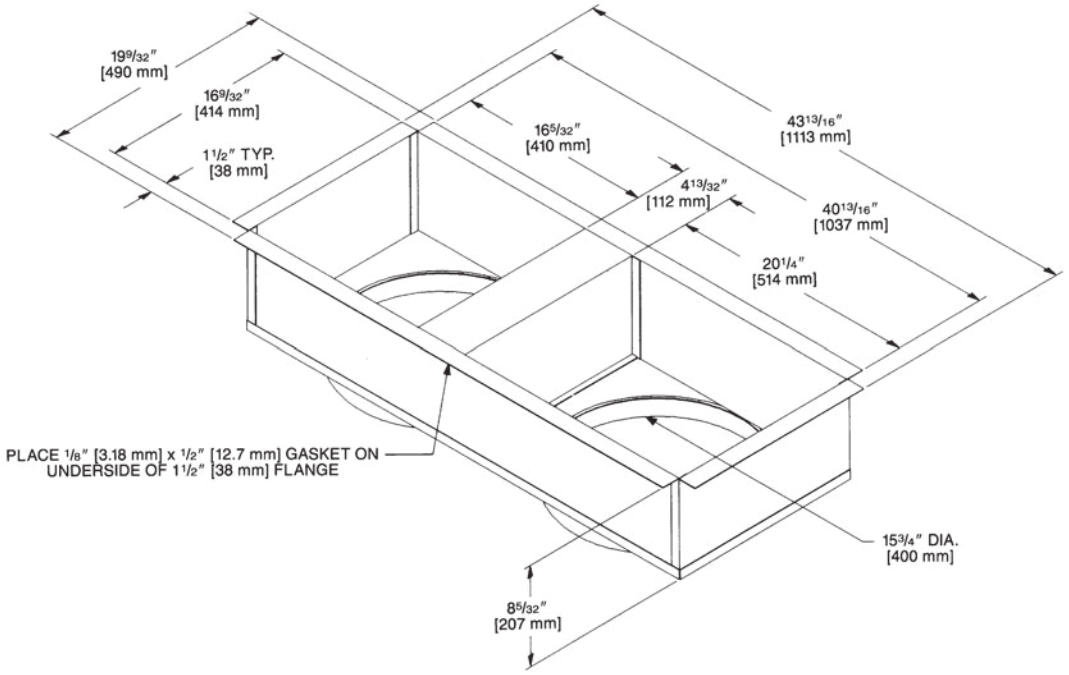
| Accessory | Approximate CFM [L/s]-Supply Air | | | |
|---|---|---|---|---|
| | 1300 [614] | 1575 [743] | 1800 [850] | 2200 [1038] |
| Plenum & Supply/Return Duct | .07 [.017] | .10 [.024] | .12 [.030] | .17 [.042] |
| Diffuser | .09 [.022] | .13 [.032] | .16 [.040] | .24 [.060] |
| Economizer | .06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

# SUPPLY AIR/PERFORMANCE

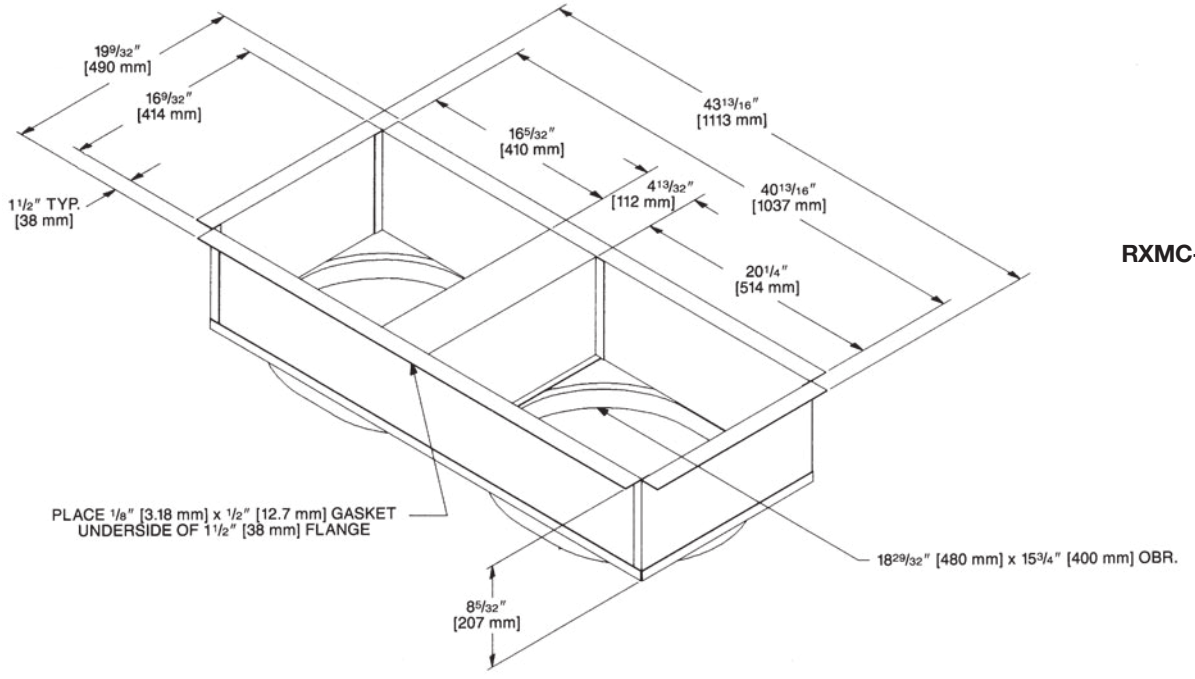
| Diffuser Airflow CFM [L/s] | Range of Throw Ft. [m] |
|---|---|
| 800 [378]-1200 [566] | 14 [4.27]-16 [4.88] |
| 1600 [755]-2000 [944] | 18 [5.49]-28 [8.53] |

# DUCT ADAPTERS RECTANGULAR TO ROUND TRANSITIONS (DOWNFLOW)

**RXMC-CA02**




**RXMC-CA03**



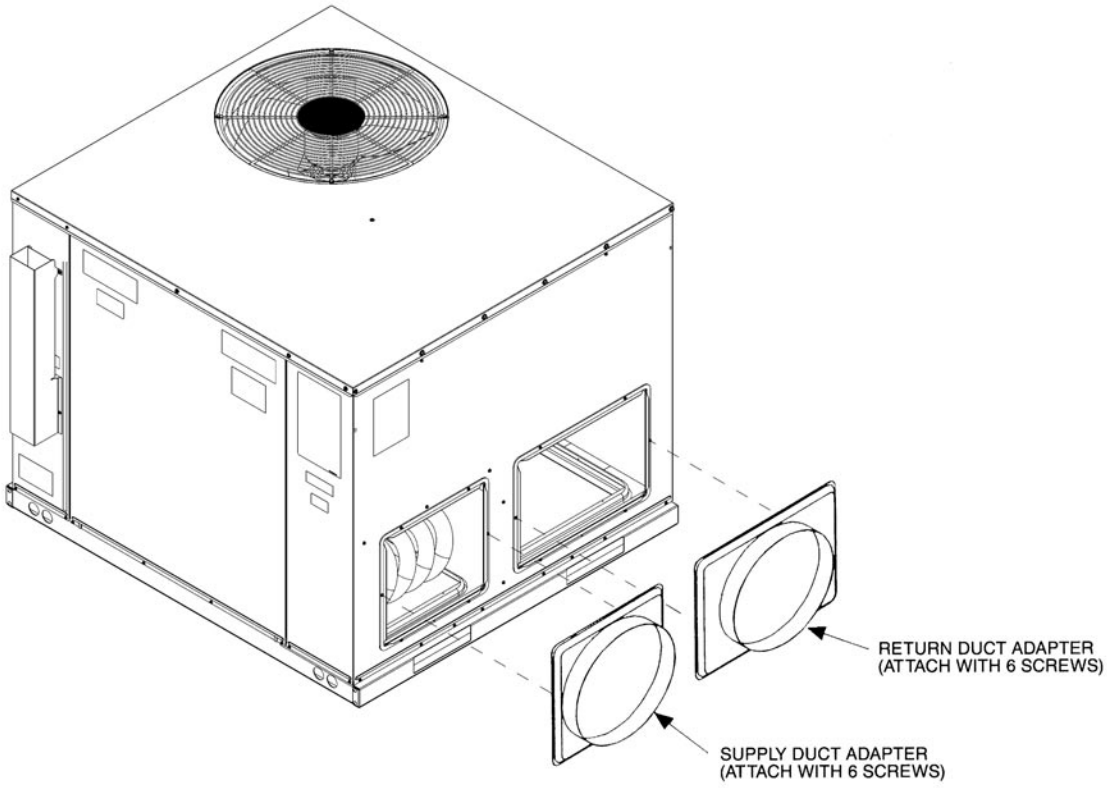

**[ ] Designates Metric Conversions**

# DUCT ADAPTER SIDEFLOW SQUARE TO ROUND TRANSITION

## AXMC-BA01

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

**[ ] Designates Metric Conversions**

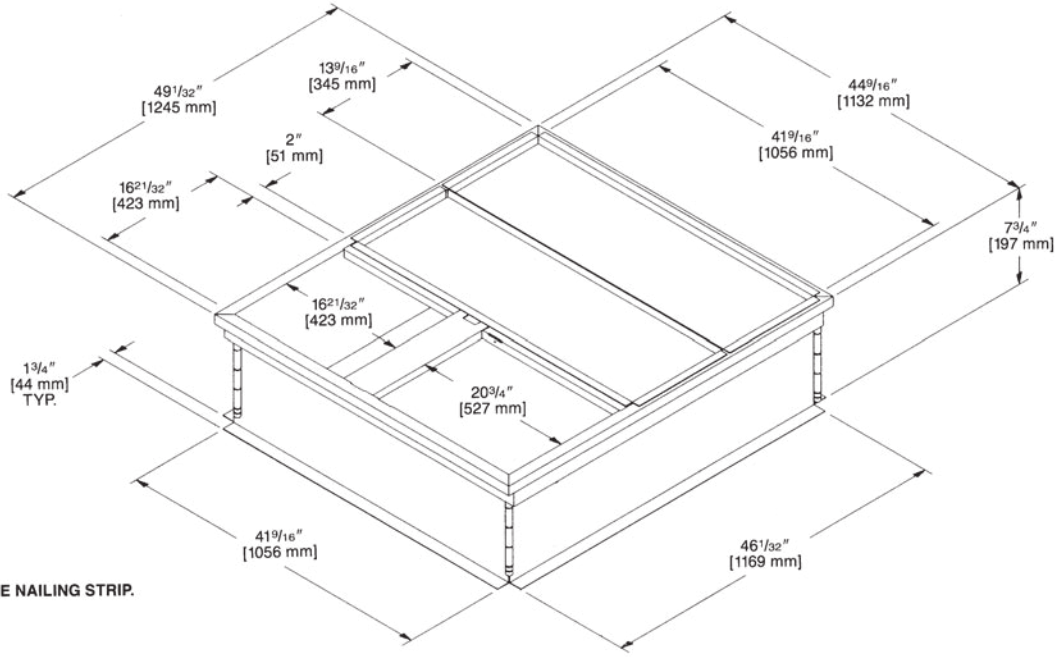


# ROOFCURB (Full Perimeter)

## RXSG-AAA08, RXSG-AAA14 – for the "A" cabinet

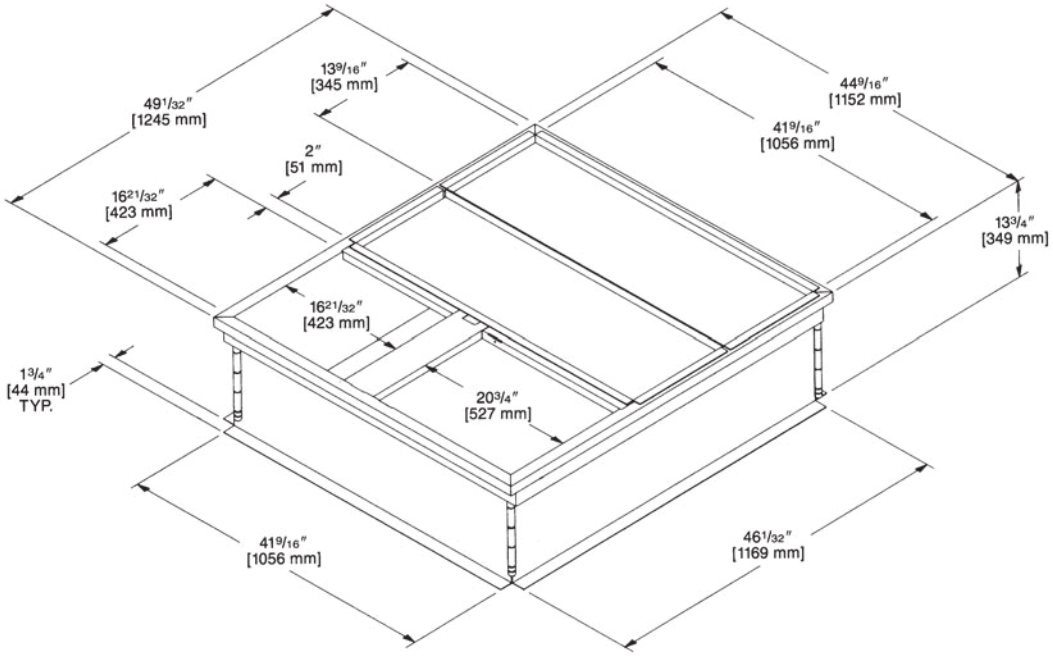
**Hinged corners make for fast, easy set-up**

**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 NORMAL 1" [25.4 mm] x 4" [102 mm] PINE NAILING STRIP.**

**[ ] Designates Metric Conversions**

# ROOFCURB (Full Perimeter)

## RXSG-AXA14, RXSG-AXA24 - for the "X" cabinet

**Hinged corners make for fast, easy set-up**

**RXSG-AXA14**
**(14" [356 mm] Height)**

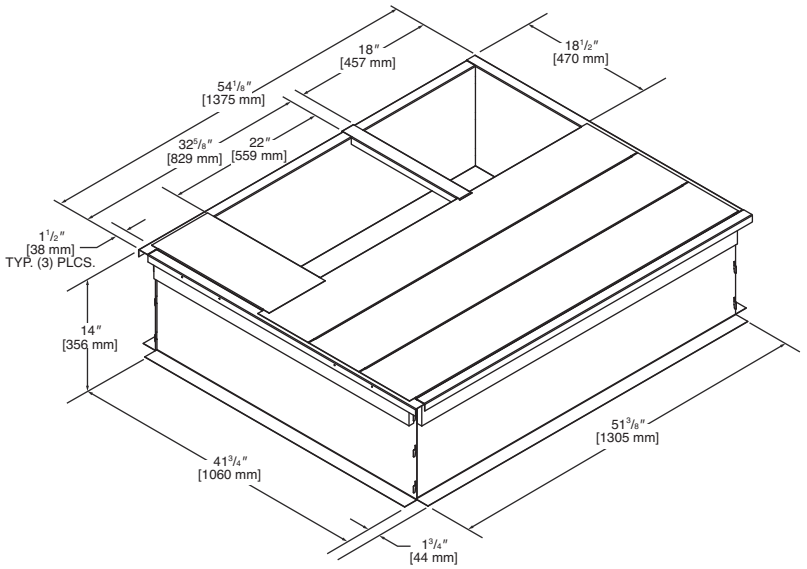



Illustration
ST-A1334-14-00

**RXSG-AXA24**
**(24" [610 mm] Height)**

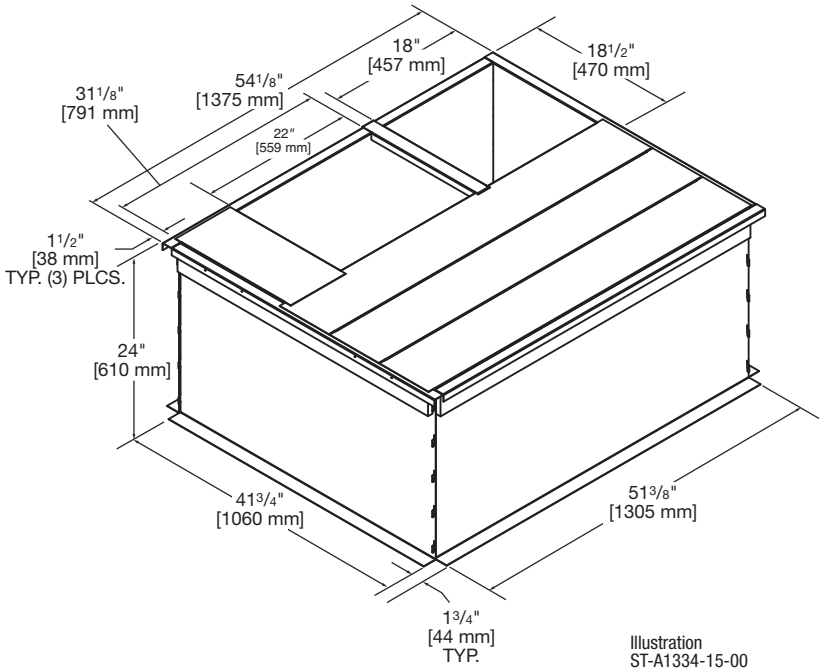
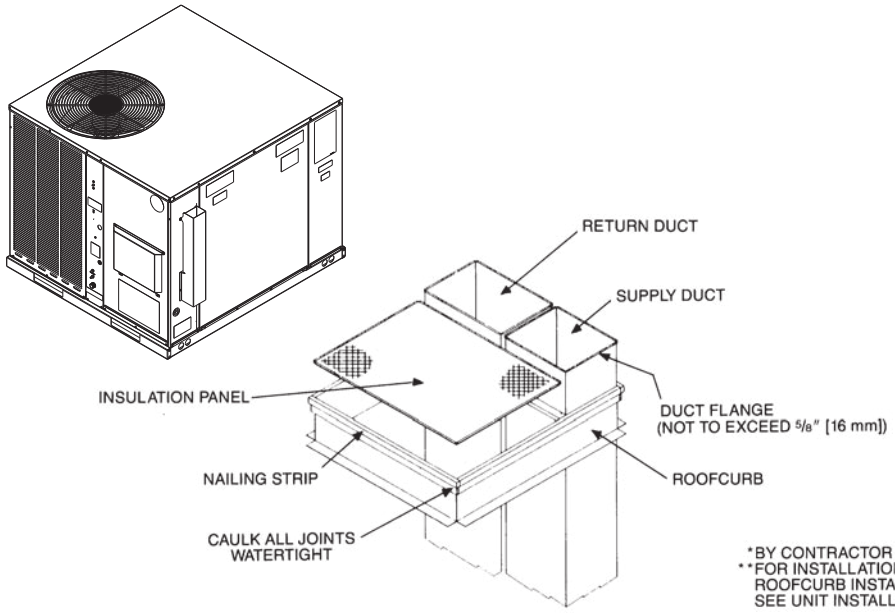


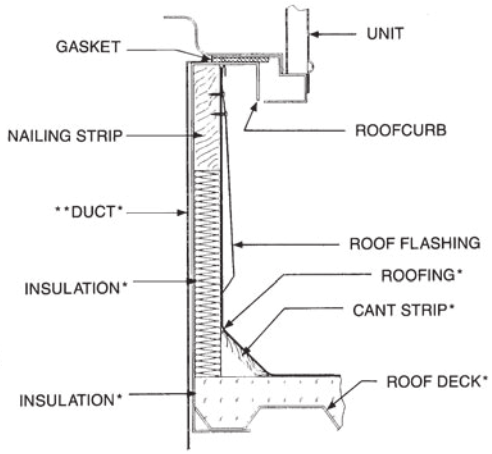

Illustration
ST-A1334-15-00

**NOTE: PERIMETER OF ROOFCURB IS SUPPLIED WITH A NORMAL 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)

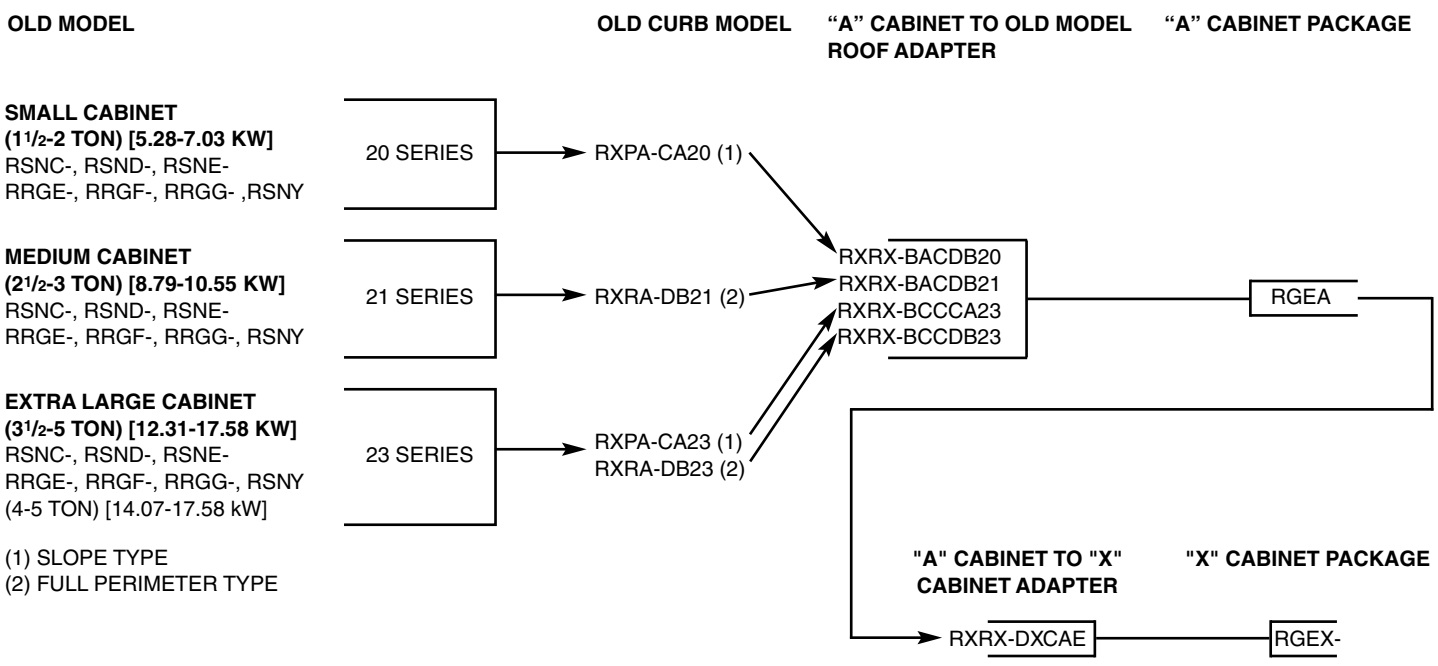



*BY CONTRACTOR
**FOR INSTALLATION OF DUCT AS SHOWN, USE RECOMMENDED DUCT SIZES FROM ROOFCURB INSTALLATION INSTRUCTIONS. FOR DUCT FLANGE ATTACHMENT TO UNIT, SEE UNIT INSTALLATION INSTRUCTIONS FOR RECOMMENDED DUCT SIZES.

## 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**

# FRESH AIR DAMPER

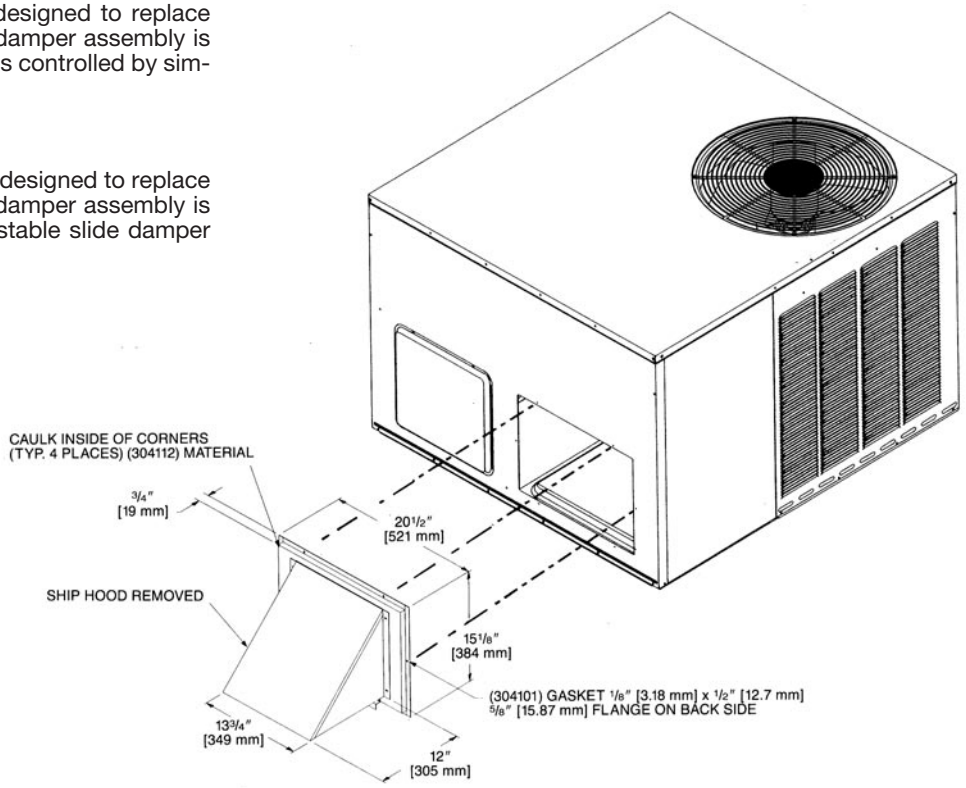
**AXRF-FAA1 (Fixed - 0-35%) - RGEA**
**AXRF-FAA2 (Fixed - 0-35%) - RGEX**

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%) - RGEA**
**AXRF-FAB2 (Motorized - 0-35%) - RGEX**

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.

**AXRF-FAA1**
**AXRF-FAB1**




**AXRF-FAA2**
**AXRF-FAB2**

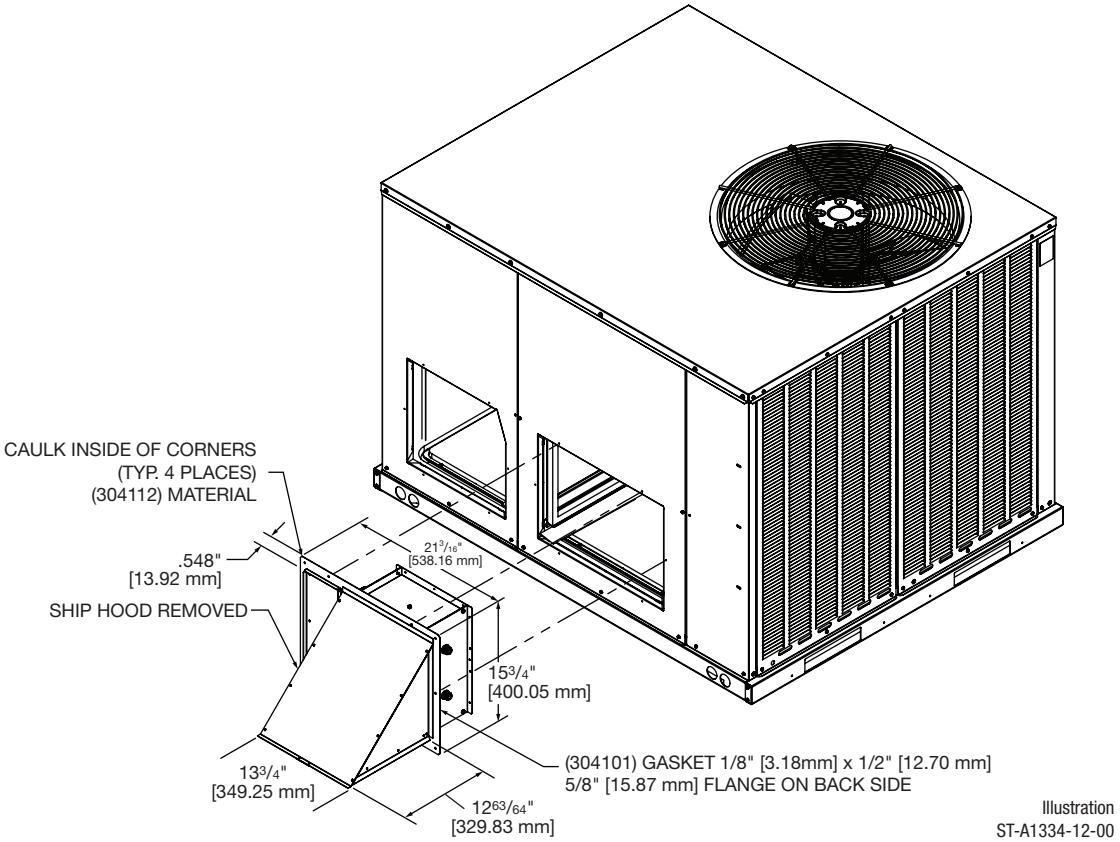



Illustration
ST-A1334-12-00

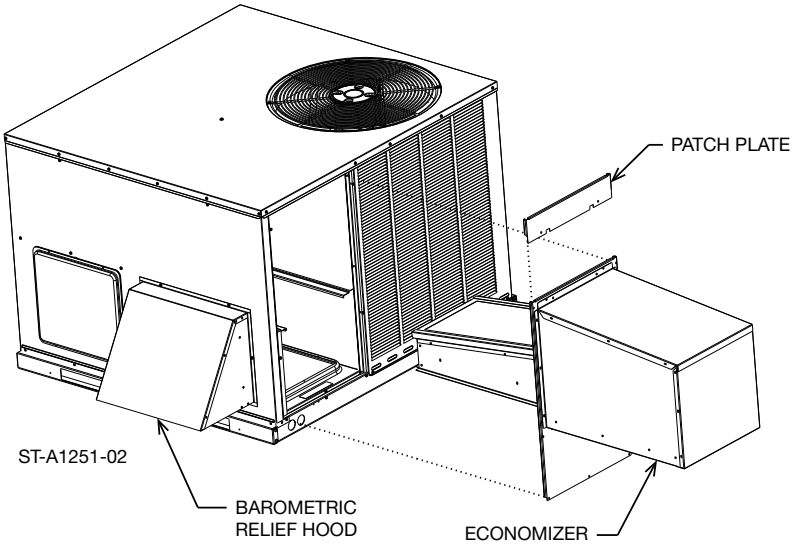
**[ ] Designates Metric Conversions**

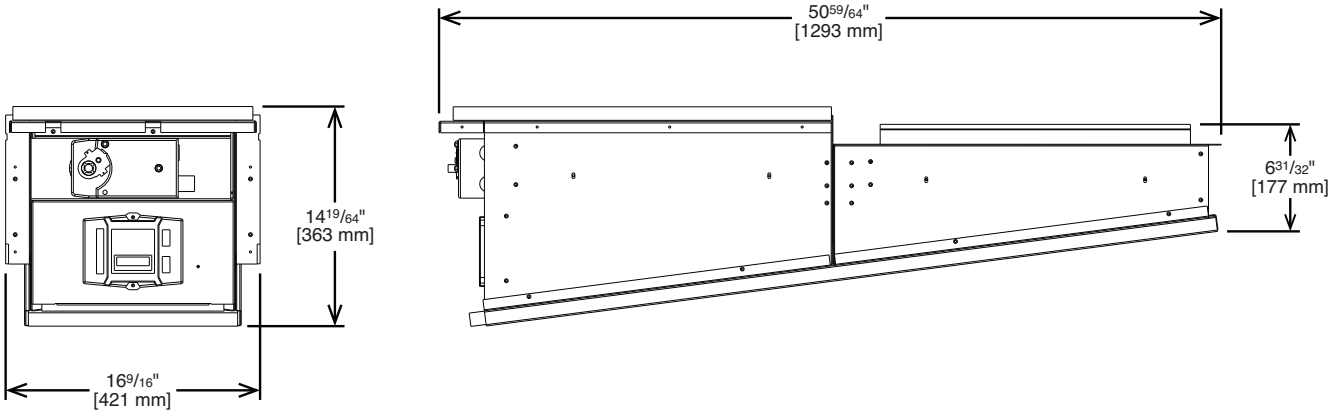
# ECONOMIZERS

## AXRD-01RACAM3 (Fully Modulating)

### Horizontally and Vertically Applicable for the “A” cabinet

- 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
- $CO_2$ sensor input for DCV (Demand Control Ventilation) applications
- RXRX-AV04 Dual Enthalpy kit available for field installation
- AMCA licensed class 1A low leak Dampers



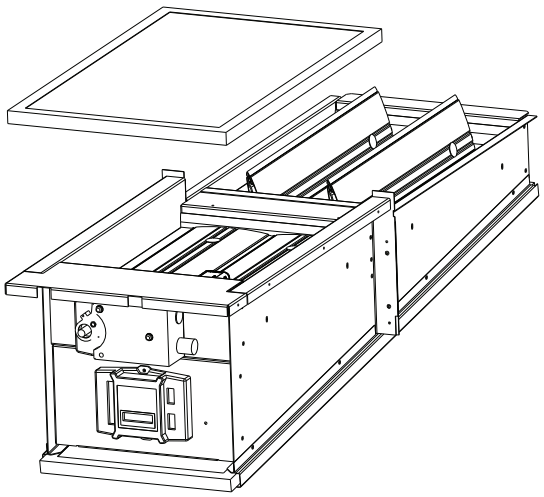



Illustration
ST-A1251-11

**[ ] Designates Metric Conversions**

# ECONOMIZERS

## RXRE-11RXCAM3

### Horizontally and Vertically Applicable for the "X" cabinet

- 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 with Siemens controller reducing wiring errors while providing more information
- Setup and configure the economizer controller before putting it into usage by using the Climatix Mobile app or the inbuilt display
- $CO_2$ sensor input for demand control ventilation (DCV) applications
- RXRX-BV03 dual enthalpy kit available for field installation
- AMCA licensed class 1A low leak dampers

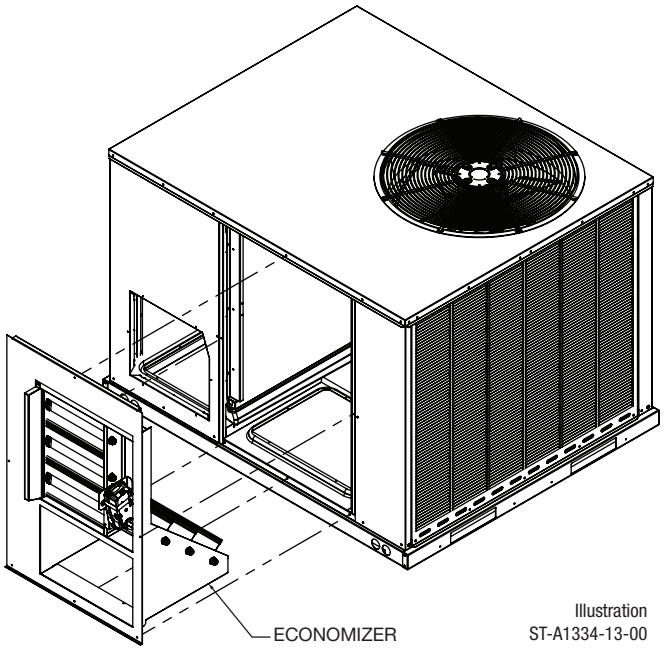



Illustration
ST-A1334-13-00

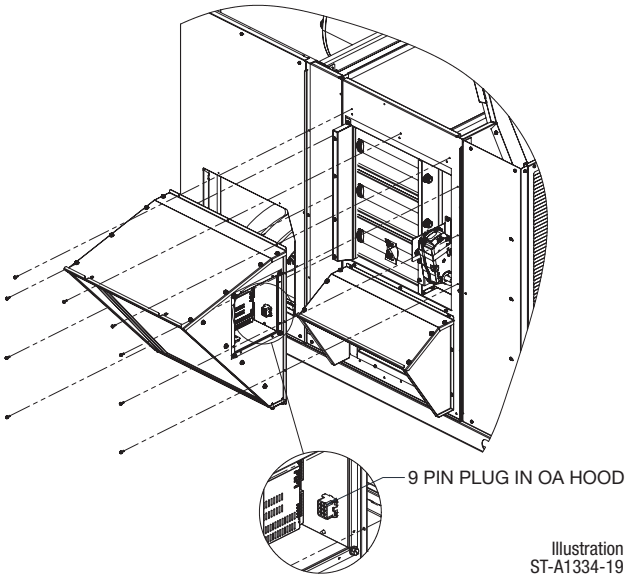
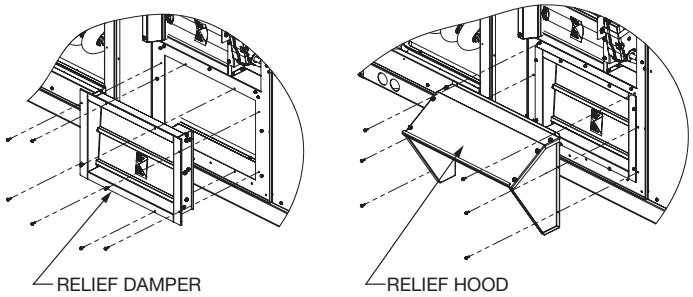



Illustration
ST-A1334-19

**VERTICAL APPLICATION**




**HORIZONTAL APPLICATION**

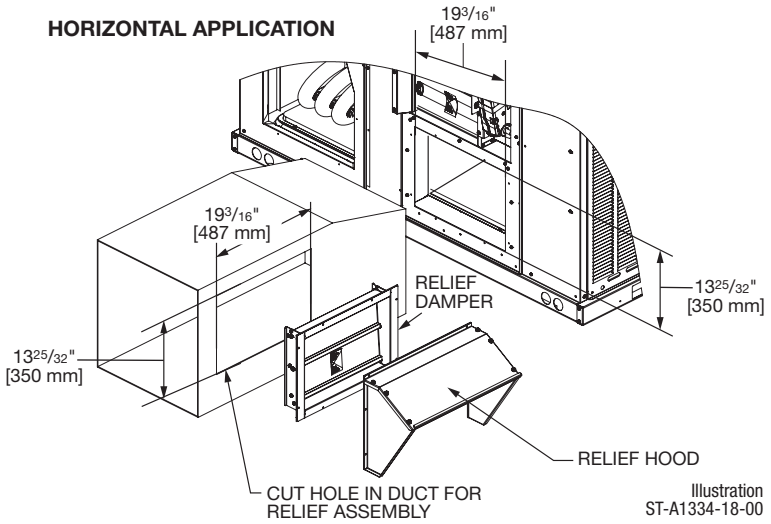
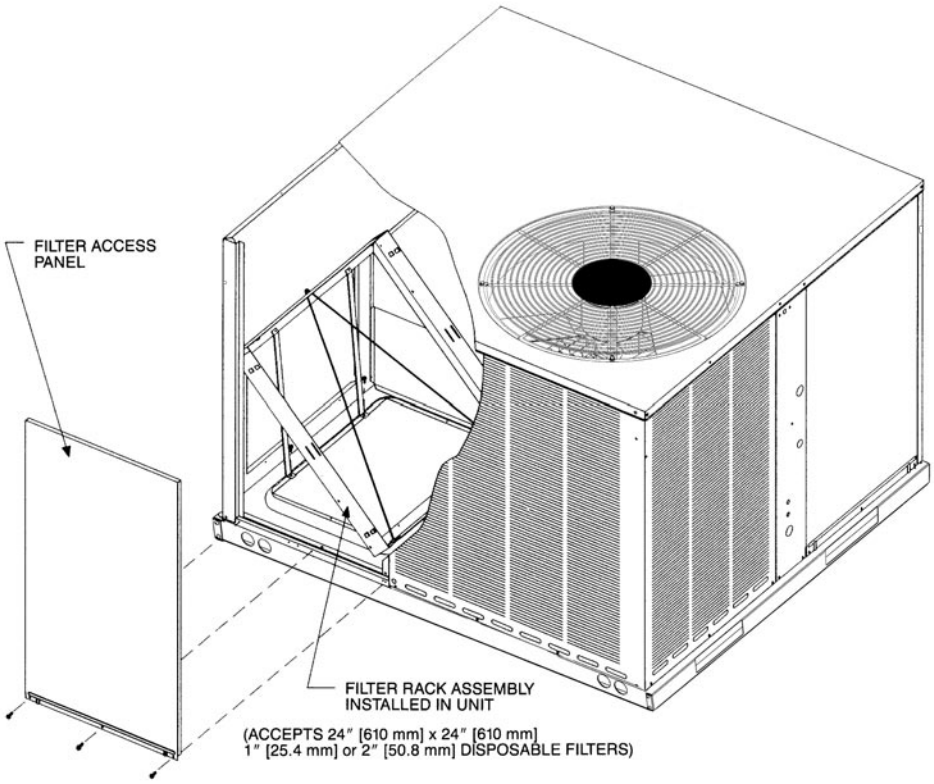



Illustration
ST-A1334-18-00

**[ ] Designates Metric Conversions**

# FILTER KIT INSTALLATION
# RXRY-B01

**For use in either vertical or horizontal discharge with the "A" cabinet**




| 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**

# FILTER KIT INSTALLATION
# RXRY-B02

**For use in either vertical or horizontal discharge with the "X" cabinet**

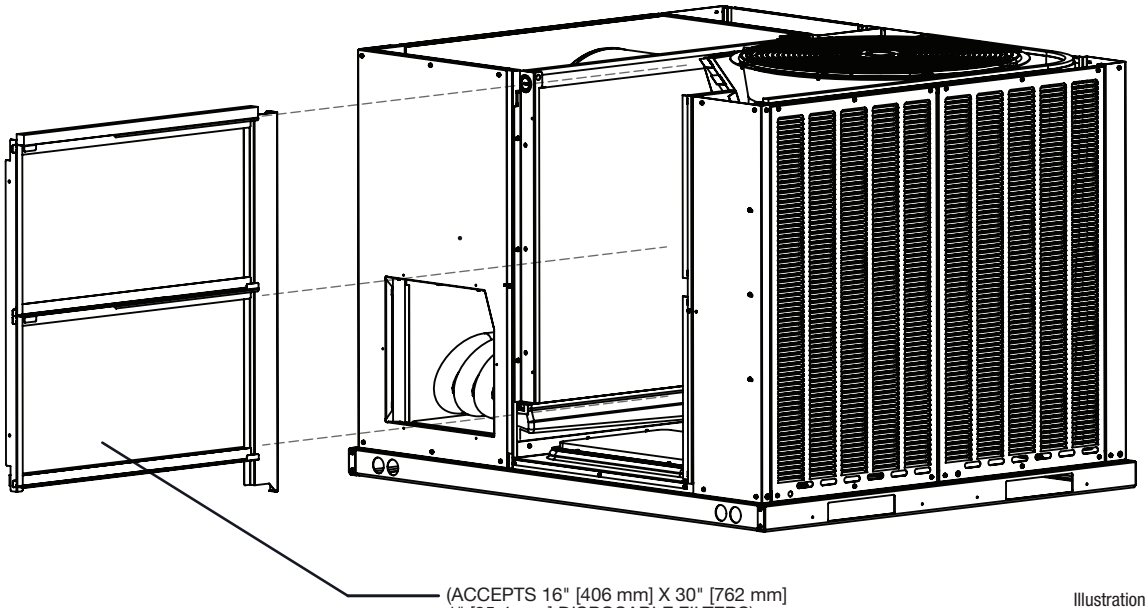



Illustration
ST-A1352-01-00A

| Airflow Pressure Drop (1" filter) | |
|---|---|
| **CFM [L/s]** | **Inches W.C. [kPa]** |
| 600 [283] | 0.01 [0.002] |
| 800 [378] | 0.01 [0.002] |
| 1000 [472] | 0.02 [0.005] |
| 1200 [566] | 0.03 [0.008] |
| 1400 [661] | 0.05 [0.012] |
| 1600 [755] | 0.07 [0.017] |
| 1800 [850] | 0.08 [0.021] |
| 2000 [944] | 0.10 [0.026] |

**[ ] Designates Metric Conversions**

## GENERAL TERMS OF LIMITED WARRANTY*

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

**Heat Exchanger**

Factory Standard .....Ten (10) Years
Stainless Steel
Commercial Application.....Twenty (20) Years
Stainless Steel
Residential Application.....Limited Lifetime

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

**Conditional Parts (Registration Required)**

Residential Applications .....Ten (10) Years

**Compressor**

Residential Applications .....Ten (10) Years
Commercial Applications .....Five (5) Years

**Parts**

Commercial Applications.....One (1) Year

**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.**



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

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