



Packaged Gas Electric
RGE(A/X)ZS Series

Ruud Achiever Plus® Series iR Packaged Gas Electric Unit



RGE(A/X)ZS

Cooling Efficiencies: 15.2 SEER2

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



RELY ON RUUD.™

FORM NO. R22-879

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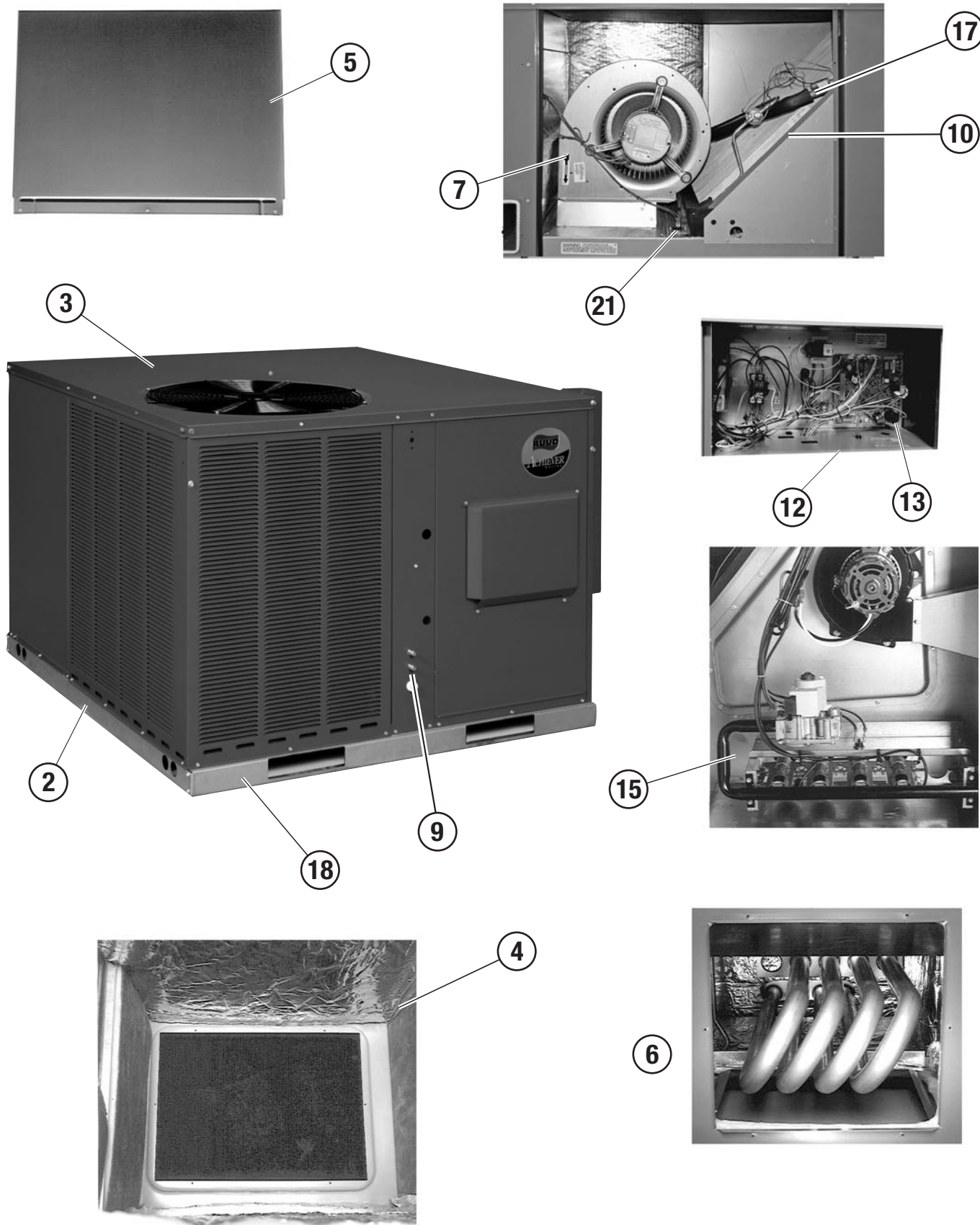
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Packaged Gas Electric Unit Features:



FEATURES AND BENEFITS

1. The Two-Stage Compressor 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.
2. Louvered condenser compartment for protecting the coil against yard hazards and/or weather extremes.
3. One-piece top with a drip flange to help keep water out of the unit.
4. Supply and return air openings feature a one-inch tall flange to prevent water migration into the ductwork.
5. Access panels are easily removable and provide access to necessary components for serviceability.
6. Side and down discharge options available on all models. All models are shipped ready for horizontal application.
7. Easily accessible blower section complete with slide-out blower.
8. Constant CFM Motor: Truly variable speed technology allows for ultimate humidity control, quieter sound levels and year-round energy savings.
9. Refrigerant connections are conveniently located for easy service diagnostics.
10. Micro Channel evaporator and condenser delivers superior performance with less refrigerant charge and less weight than conventional copper tube/aluminum fin coils. In addition the all aluminum construction has superior protection against formicary corrosion and aluminum tube rubbing potential. It is easier to clean and has a more robust surface.
11. Draft inducer motor is easily accessible from furnace compartment, designed specially for quiet reliable operation. Together with the draft inducer motor, the in shot gas burners and manifold effectively regulate the flow of gas for combustion.
12. Easily accessible control box.
13. Single point wiring simplifies installation.
14. With the Ruud Contractor & EcoNet® Apps, built-in EcoNet® & Bluetooth® technology makes monitoring, troubleshooting and repairing the product easier than ever before.
15. Direct spark ignition with remote flame sensing—provides years of worry-free operation
16. Dedicated heating speeds to maintain consistent performance via Constant CFM motor to keep temp rise at a comfortable level.
17. Thermal expansion valve standard on all models for superior superheat control, reliability, and energy efficiency at all operating conditions.
18. Filter drier standard on all models (not shown).
19. Rugged baserail included for improved installation and handling.
20. All units are complete factory charged and are factory quality run tested.
21. Molded compressor plugs.
22. A double sloped evaporator coil drain pan assures all water is removed from the unit to improve indoor air quality.

Packaged Gas Electric Unit

| <u>R</u> | <u>GE</u> | <u>A</u> | <u>Z</u> | <u>S</u> | <u>024</u> | <u>A</u> | <u>J</u> | <u>V</u> | <u>06</u> | <u>1</u> | <u>C</u> | <u>A</u> |
|----------|-------------------|--|-------------|---------------------------|---|----------------|--|---------------------|---|--|-------------------|----------------|
| Brand | Product Category | Platform | Refrigerant | Tier | Capacity BTU/HR | Major Series | Voltage | Drive | Gas Heat Input | Gas Heat Configuration | Control | Minor Series |
| R - Ruud | GE - Gas Electric | A - Resipack X - Resipack Convertible | Z - R410A | S - Mid Tier (15.2 SEER2) | 024 - 24,000 [7.03 kW] 036 - 36,000 [10.55 kW] 048 - 48,000 [14.07 kW] 060 - 60,000 [17.58 kW] | A - 1st Design | J - 1ph, 208 - 230/60 C - 3ph, 208 - 230/60 | V - Constant Volume | 06 - 60K BTU/H 08 - 80K BTU/H 10 - 100K BTU/H | 1 - Single Stage X - Single Stage Low NOx 2 - Two Stage T - Two Stage Low NOx | C - Communicating | A - 1st Design |

[] Designates Metric Conversions

| Available Models | |
|-------------------|-------------------|
| Standard | Low NOx (40ng/J) |
| RGEAZS024AJV061CA | RGEAZS024AJV06XCA |
| RGEAZS036ACV061CA | RGEAZS036ACV06XCA |
| RGEAZS036ACV081CA | RGEAZS036ACV08XCA |
| RGEAZS036ACV101CA | RGEAZS036ACV10XCA |
| RGEAZS036AJV061CA | RGEAZS036AJV06XCA |
| RGEAZS036AJV081CA | RGEAZS036AJV08XCA |
| RGEAZS036AJV101CA | RGEAZS036AJV10XCA |
| RGEXZS048ACV082CA | RGEXZS048ACV08TCA |
| RGEXZS048ACV102CA | RGEXZS048ACV10TCA |
| RGEXZS048AJV082CA | RGEXZS048AJV08TCA |
| RGEXZS048AJV102CA | RGEXZS048AJV10TCA |
| RGEXZS060ACV082CA | RGEXZS060ACV08TCA |
| RGEXZS060ACV102CA | RGEXZS060ACV10TCA |
| RGEXZS060AJV082CA | RGEXZS060AJV08TCA |
| RGEXZS060AJV102CA | RGEXZS060AJV10TCA |

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 |

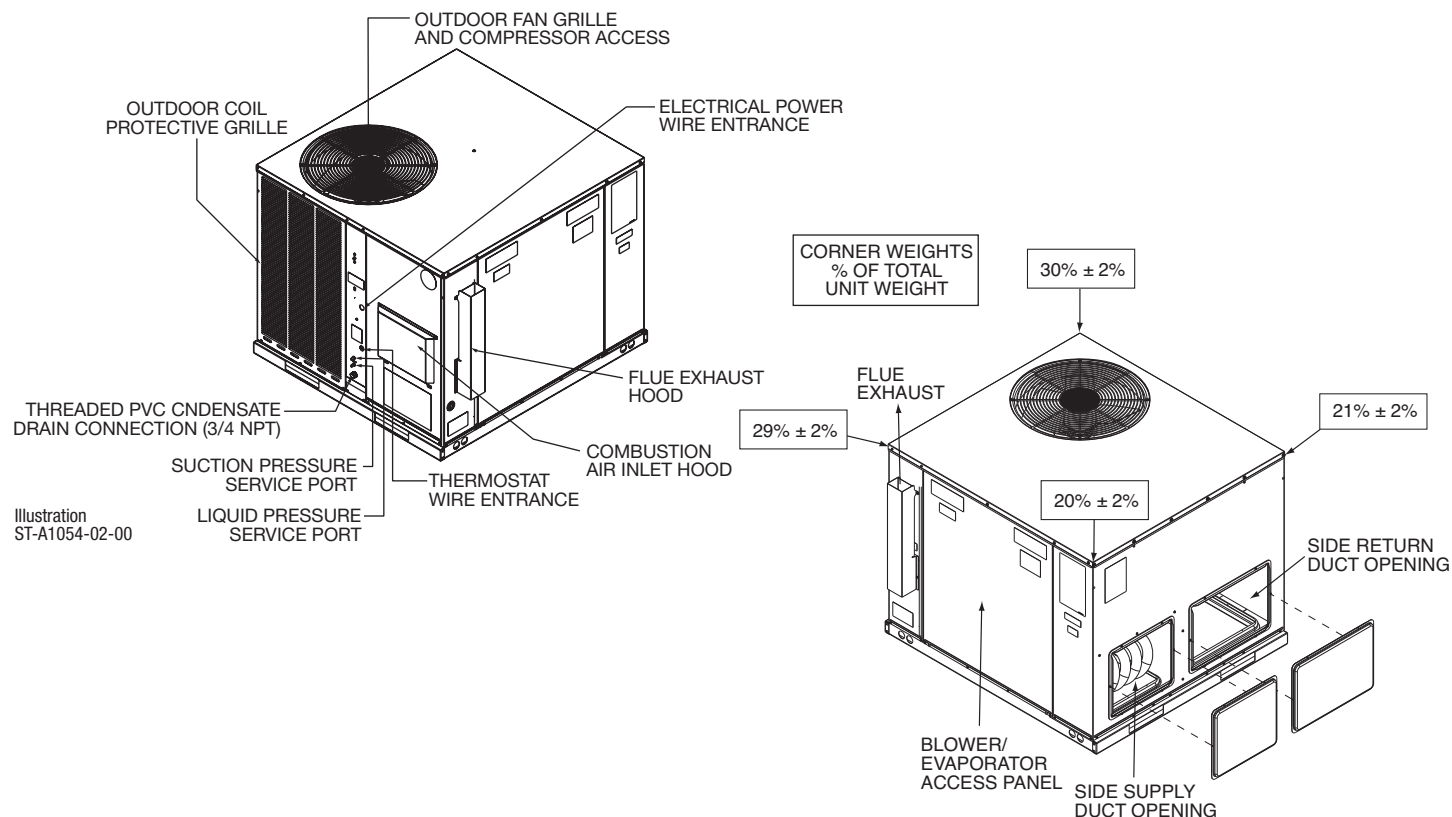
"x" indicates factory installed option.

Example: No Option
RGEAZS036AJV081CA

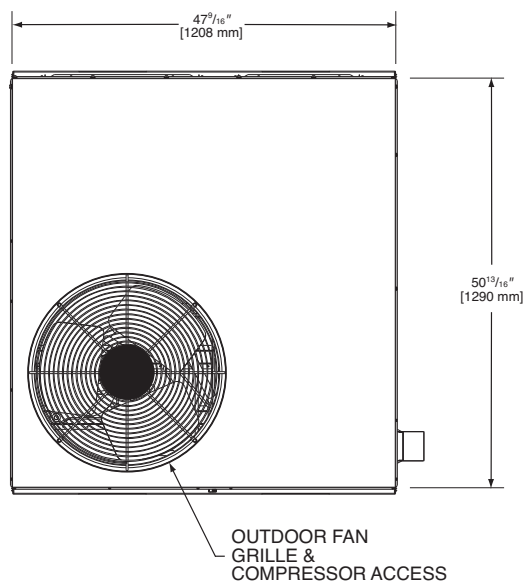
Example: Option with Stainless Steel Heat Exchanger
RGEAZS036AJV081CAAJA

NOTES: Factory installed economizer is not available.

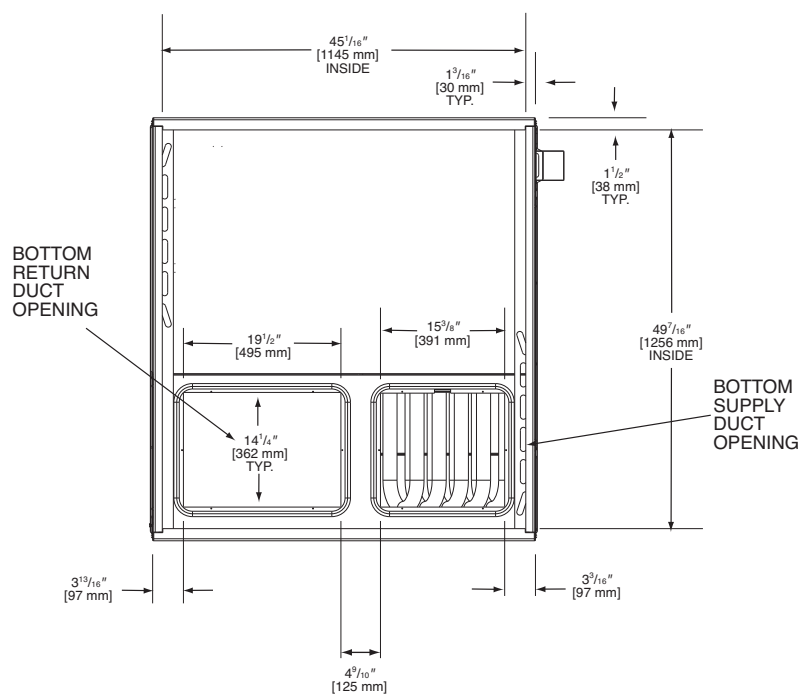
UNIT DIMENSIONS RGEAZS



TOP VIEW

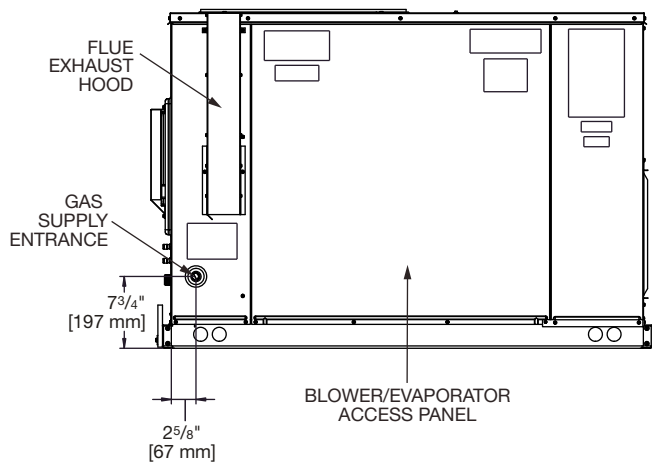


BOTTOM VIEW

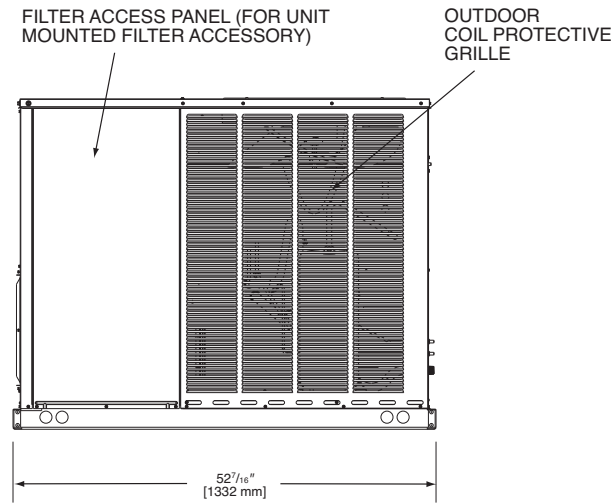


[] Designates Metric Conversions

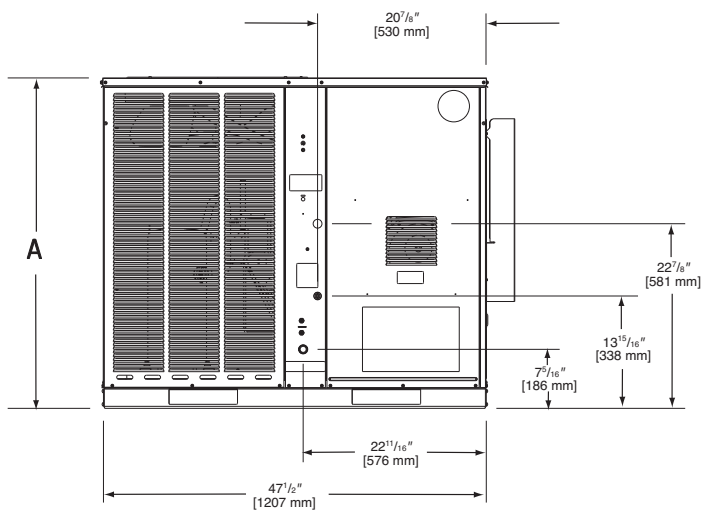
SIDE VIEW



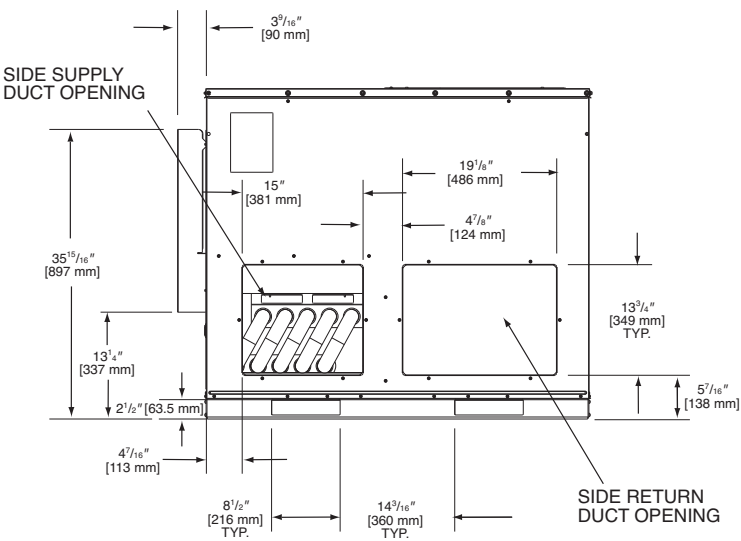
SIDE VIEW



FRONT VIEW



BACK VIEW



SHOWN WITH DUCT COVERS REMOVED.

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

[] Designates Metric Conversions

UNIT DIMENSIONS RGEXZS

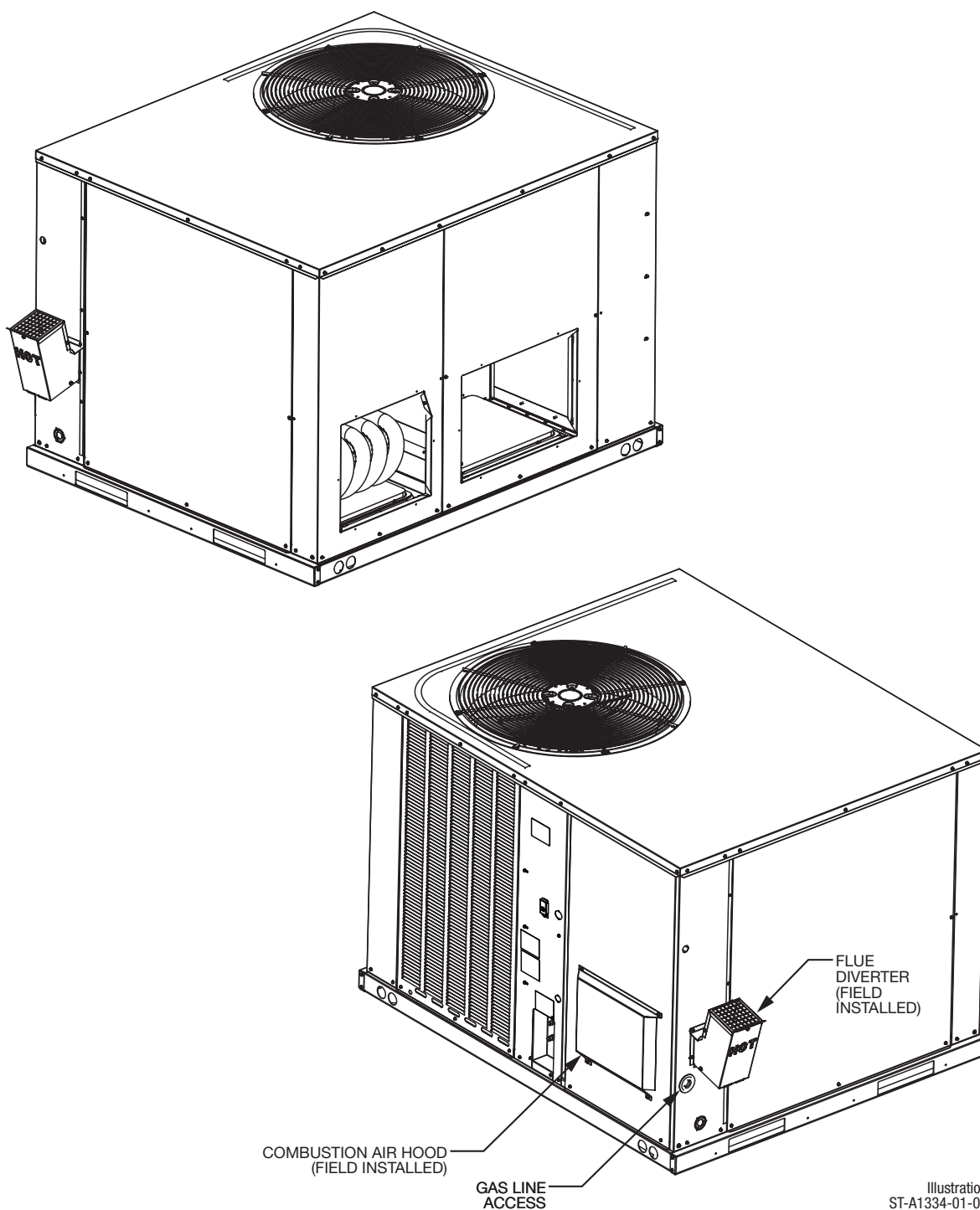
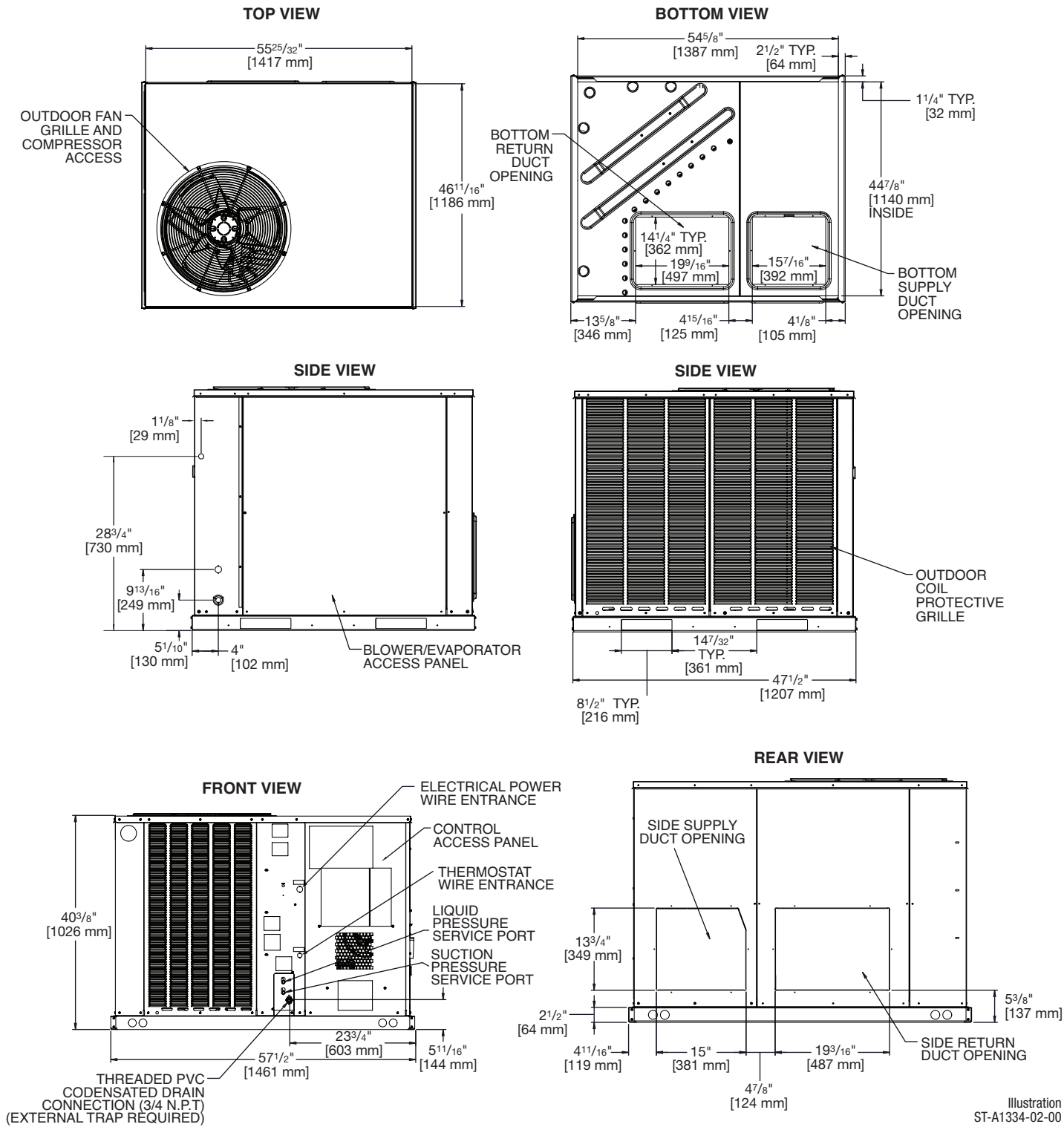
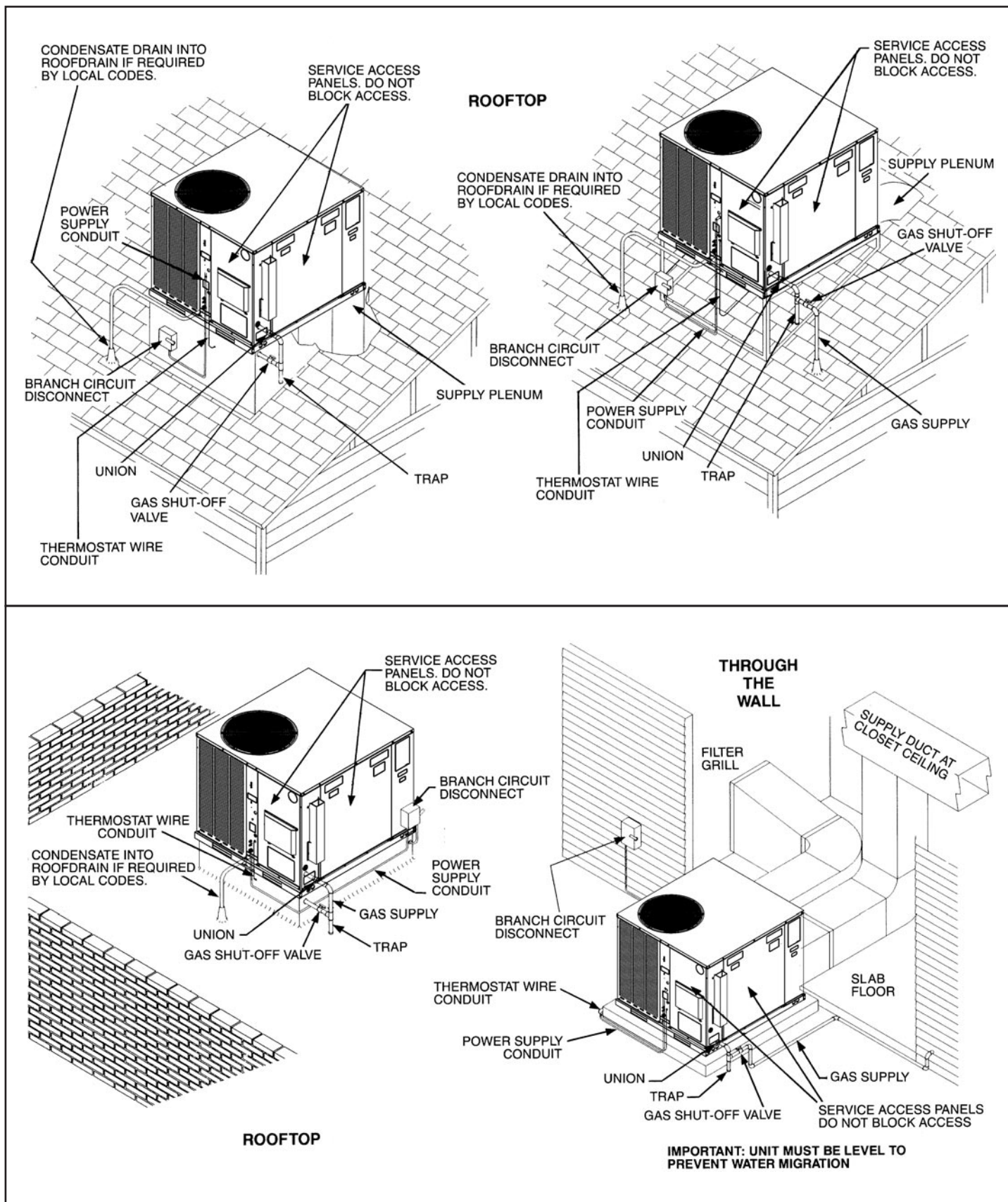


Illustration
ST-A1334-01-00

[] Designates Metric Conversions



[] Designates Metric Conversions



[] Designates Metric Conversions

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

| Model RGE(A/X)ZS Series | 024AJV06 | 036ACV06 | 036ACV08 | 036ACV10 |
|--|-------------------------|-------------------------|-------------------------|-------------------------|
| Cooling Performance¹ | | | | CONTINUED → |
| Gross Cooling Capacity Btu [kW] | 24,200 [7.09] | 35,800 [10.49] | 35,800 [10.49] | 35,800 [10.49] |
| EER2/SEER2 ² | 11.5/15.2 | 12/16 | 12/16 | 12/16 |
| Nominal CFM/AHRI Rated CFM [L/s] | 800/815 [378/385] | 1200/1200 [566/566] | 1200/1200 [566/566] | 1200/1200 [566/566] |
| AHRI Net Cooling Capacity Btu [kW] | 23,400 [6.86] | 35,000 [10.25] | 35,000 [10.25] | 35,000 [10.25] |
| Net Sensible Capacity Btu [kW] | 16,600 [4.86] | 25,800 [7.56] | 25,800 [7.56] | 25,800 [7.56] |
| Net Latent Capacity Btu [kW] | 6,800 [1.99] | 9,200 [2.7] | 9,200 [2.7] | 9,200 [2.7] |
| Net System Power kW | 1.98 | 2.86 | 2.86 | 2.86 |
| Heating Performance (Gas)⁴ | | | | |
| Heating Input Btu [kW] | 60,000 [17.58] | 60,000 [17.58] | 80,000 [23.44] | 100,000 [29.3] |
| Heating Output Btu [kW] | 48,600 [14.24] | 48,600 [14.24] | 64,800 [18.99] | 81,000 [23.73] |
| Temperature Rise Range °F [°C] | 40-70 [22-38] | 40-70 [22-38] | 35-65 [19-36] | 45-75 [25-41] |
| AFUE % | 81 | 81 | 81 | 81 |
| Steady State Efficiency (%) | 81 | 81 | 81 | 81 |
| No. Burners | 3 | 3 | 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] |
| Compressor | | | | |
| No./Type | 1/Scroll | 1/Scroll | 1/Scroll | 1/Scroll |
| Outdoor Sound Rating (dB)⁵ | 74 | 71 | 71 | 71 |
| Outdoor Coil - Fin Type | Louvered | Louvered | Louvered | Louvered |
| Tube Type | MicroChannel | MicroChannel | MicroChannel | MicroChannel |
| MicroChannel Depth in. [mm] | 0.709 [18] | 0.472 [12] | 0.472 [12] | 0.472 [12] |
| Face Area sq. ft. [sq. m] | 9.77 [0.91] | 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] | 3.54 [0.33] | 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] | 2500 [1180] | 3250 [1534] | 3250 [1534] | 3250 [1534] |
| No. Motors/HP | 1 at 1/6 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] | 1/10x9 [254x229] | 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 | 1/3 | 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] | 48 [1361] | 60 [1701] | 60 [1701] | 60 [1701] |
| Weights | | | | |
| Net Weight lbs. [kg] | 403 [183] | 440 [200] | 445 [202] | 450 [204] |
| Ship Weight lbs. [kg] | 413 [187] | 450 [204] | 455 [206] | 460 [209] |

See Page 16 for Notes.

[] Designates Metric Conversions

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

| Model RGE(A/X)ZS Series | 036AJV06 | 036AJV08 | 036AJV10 |
|--|-------------------------|-------------------------|-------------------------|
| Cooling Performance¹ | | | |
| Gross Cooling Capacity Btu [kW] | 36,200 [10.61] | 36,200 [10.61] | 36,200 [10.61] |
| 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 [kW] | 35,000 [10.25] | 35,000 [10.25] | 35,000 [10.25] |
| Net Sensible Capacity Btu [kW] | 25,800 [7.56] | 25,800 [7.56] | 25,800 [7.56] |
| Net Latent Capacity Btu [kW] | 9,200 [2.7] | 9,200 [2.7] | 9,200 [2.7] |
| Net System Power kW | 2.94 | 2.94 | 2.94 |
| Heating Performance (Gas)⁴ | | | |
| Heating Input Btu [kW] | 60,000 [17.58] | 80,000 [23.44] | 100,000 [29.3] |
| Heating Output Btu [kW] | 49,000 [14.36] | 64,800 [18.99] | 81,000 [23.73] |
| Temperature Rise Range °F [°C] | 40-70 [22-38] | 35-65 [19-36] | 45-75 [25-41] |
| AFUE % | 81 | 81 | 81 |
| Steady State Efficiency (%) | 81 | 81 | 81 |
| No. Burners | 3 | 4 | 5 |
| No. Stages | 1 | 1 | 1 |
| Gas Connection Pipe Size in. [mm] | 0.5 [12.7] | 0.5 [12.7] | 0.5 [12.7] |
| Compressor | | | |
| No./Type | 1/Scroll | 1/Scroll | 1/Scroll |
| Outdoor Sound Rating (dB)⁵ | | | |
| | 71 | 71 | 71 |
| Outdoor Coil - Fin Type | | | |
| 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 | | | |
| 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 | 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 | 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 | 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] | | | |
| | 60 [1701] | 60 [1701] | 60 [1701] |
| Weights | | | |
| Net Weight lbs. [kg] | 440 [200] | 445 [202] | 450 [204] |
| Ship Weight lbs. [kg] | 450 [204] | 455 [206] | 460 [209] |

See Page 16 for Notes.

[] Designates Metric Conversions

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

| Model RGE(A/X)ZS Series | 048ACV08 | 048ACV10 | 048AJV08 | 048AJV10 |
|---|--|--|--|--|
| Cooling Performance¹ | | | | CONTINUED → |
| Gross Cooling Capacity Btu [kW] | 48,500 [14.21] | 48,500 [14.21] | 49,000 [14.36] | 49,000 [14.36] |
| EER2/SEER2 ² | 12/16 | 12/16 | 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 [kW] | 47,500 [13.92] | 47,500 [13.92] | 47,500 [13.92] | 47,500 [13.92] |
| Net Sensible Capacity Btu [kW] | 33,300 [9.76] | 33,300 [9.76] | 33,300 [9.76] | 33,300 [9.76] |
| Net Latent Capacity Btu [kW] | 14,200 [4.16] | 14,200 [4.16] | 14,200 [4.16] | 14,200 [4.16] |
| Net System Power kW | 3.84 | 3.84 | 3.94 | 3.94 |
| Heating Performance (Gas)⁴ | | | | |
| Heating Input Btu [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 [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 % | 81 | 81 | 81 | 81 |
| 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/Scroll | 1/Scroll | 1/Scroll | 1/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] | 90 [2552] | 90 [2552] | 90 [2552] | 90 [2552] |
| 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 16 for Notes.

[] Designates Metric Conversions

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

| Model RGE(A/X)ZS Series | 060ACV08 | 060ACV10 | 060AJV08 | 060AJV10 |
|---|--|--|--|--|
| Cooling Performance¹ | | | | |
| Gross Cooling Capacity Btu [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 [kW] | 57,000 [16.7] | 57,000 [16.7] | 57,000 [16.7] | 57,000 [16.7] |
| Net Sensible Capacity Btu [kW] | 39,000 [11.43] | 39,000 [11.43] | 39,000 [11.43] | 39,000 [11.43] |
| Net Latent Capacity Btu [kW] | 18,000 [5.27] | 18,000 [5.27] | 18,000 [5.27] | 18,000 [5.27] |
| Net System Power kW | 4.82 | 4.82 | 5 | 5 |
| Heating Performance (Gas)⁴ | | | | |
| Heating Input Btu [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 [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 % | 81 | 81 | 81 | 81 |
| 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/Scroll | 1/Scroll | 1/Scroll | 1/Scroll |
| Outdoor Sound Rating (dB)⁵ | | | | |
| | 83 | 83 | 83 | 83 |
| Outdoor Coil - Fin Type | | | | |
| 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] | 15.98 [1.48] | 15.98 [1.48] | 15.98 [1.48] | 15.98 [1.48] |
| | 1 / 23 [9] | 1 / 23 [9] | 1 / 23 [9] | 1 / 23 [9] |
| Indoor Coil - Fin Type | | | | |
| 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] | 6.96 [0.65] | 6.96 [0.65] | 6.96 [0.65] | 6.96 [0.65] |
| | 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 | 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 | 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 | 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] | | | | |
| | 100 [2835] | 100 [2835] | 100 [2835] | 100 [2835] |
| 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 16 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.

COOLING PERFORMANCE DATA—RGEAZS024A

| 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] | | | 900 [425] | 825 [389] | 650 [307] | 900 [425] | 825 [389] | 650 [307] | 900 [425] | 825 [389] | 650 [307] |
| DR ① | | | .05 | .09 | .12 | .05 | .09 | .12 | .05 | .09 | .12 |
| OUTDOOR DRY BULB TEMPERATURE °F [°C] | 75 [23.9] | Total BTUH [kW] Sens BTUH [kW] Power | 28.7 [8.4] 16.1 [4.7] 1.7 | 28.2 [8.3] 15.5 [4.5] 1.7 | 27.1 [7.9] 13.9 [4.1] 1.6 | 27.1 [7.9] 19.4 [5.7] 1.7 | 26.6 [7.8] 18.6 [5.5] 1.7 | 25.6 [7.5] 16.7 [4.9] 1.6 | 25.7 [7.5] 23.4 [6.9] 1.7 | 25.3 [7.4] 22.4 [6.6] 1.6 | 24.3 [7.1] 20.2 [5.9] 1.6 |
| | 80 [26.7] | Total BTUH [kW] Sens BTUH [kW] Power | 28.0 [8.2] 15.3 [4.5] 1.8 | 27.5 [8.1] 14.7 [4.3] 1.7 | 26.4 [7.7] 13.3 [3.9] 1.7 | 26.4 [7.7] 18.6 [5.5] 1.7 | 25.9 [7.6] 17.8 [5.2] 1.7 | 24.9 [7.3] 16.1 [4.7] 1.7 | 25.0 [7.3] 22.6 [6.6] 1.7 | 24.6 [7.2] 21.6 [6.3] 1.7 | 23.7 [6.9] 19.5 [5.7] 1.7 |
| | 85 [29.4] | Total BTUH [kW] Sens BTUH [kW] Power | 27.2 [8.0] 14.7 [4.3] 1.8 | 26.8 [7.9] 14.1 [4.1] 1.8 | 25.8 [7.6] 12.7 [3.7] 1.8 | 25.6 [7.5] 17.9 [5.2] 1.8 | 25.2 [7.4] 17.2 [5.0] 1.8 | 24.2 [7.1] 15.5 [4.5] 1.8 | 24.3 [7.1] 21.9 [6.4] 1.8 | 23.9 [7.0] 21.0 [6.2] 1.8 | 23.0 [6.7] 18.9 [5.5] 1.8 |
| | 90 [32.2] | Total BTUH [kW] Sens BTUH [kW] Power | 26.5 [7.8] 14.1 [4.1] 1.9 | 26.0 [7.6] 13.5 [4.0] 1.9 | 25.0 [7.3] 12.2 [3.6] 1.9 | 24.9 [7.3] 17.3 [5.1] 1.9 | 24.5 [7.2] 16.6 [4.9] 1.9 | 23.5 [6.9] 15.0 [4.4] 1.9 | 23.5 [6.9] 21.3 [6.2] 1.9 | 23.2 [6.8] 20.4 [6.0] 1.9 | 22.3 [6.5] 18.4 [5.4] 1.8 |
| | 95 [35] | Total BTUH [kW] Sens BTUH [kW] Power | 25.7 [7.5] 13.6 [4.0] 2.0 | 25.3 [7.4] 13.1 [3.8] 2.0 | 24.3 [7.1] 11.8 [3.5] 2.0 | 24.1 [7.1] 16.9 [5.0] 2.0 | 23.7 [6.9] 16.2 [4.7] 2.0 | 22.8 [6.7] 14.6 [4.3] 1.9 | 22.8 [6.7] 20.8 [6.1] 2.0 | 22.4 [6.6] 20.0 [5.9] 2.0 | 21.5 [6.3] 18.0 [5.3] 1.9 |
| | 100 [37.8] | Total BTUH [kW] Sens BTUH [kW] Power | 24.9 [7.3] 13.3 [3.9] 2.1 | 24.5 [7.2] 12.7 [3.7] 2.1 | 23.6 [6.9] 11.5 [3.4] 2.1 | 23.3 [6.8] 16.5 [4.8] 2.1 | 22.9 [6.7] 15.8 [4.6] 2.1 | 22.0 [6.4] 14.3 [4.2] 2.0 | 22.0 [6.4] 20.5 [6.0] 2.1 | 21.6 [6.3] 19.7 [5.8] 2.1 | 20.8 [6.1] 17.7 [5.2] 2.0 |
| | 105 [40.6] | Total BTUH [kW] Sens BTUH [kW] Power | 24.1 [7.1] 13.0 [3.8] 2.2 | 23.7 [6.9] 12.5 [3.7] 2.2 | 22.8 [6.7] 11.3 [3.3] 2.2 | 22.5 [6.6] 16.3 [4.8] 2.2 | 22.1 [6.5] 15.6 [4.6] 2.2 | 21.3 [6.2] 14.1 [4.1] 2.2 | 21.2 [6.2] 20.2 [5.9] 2.2 | 20.8 [6.1] 19.4 [5.7] 2.2 | 20.0 [5.9] 17.5 [5.1] 2.1 |
| | 110 [43.3] | Total BTUH [kW] Sens BTUH [kW] Power | 23.2 [6.8] 12.9 [3.8] 2.3 | 22.9 [6.7] 12.4 [3.6] 2.3 | 22.0 [6.4] 11.1 [3.3] 2.3 | 21.6 [6.3] 16.1 [4.7] 2.3 | 21.3 [6.2] 15.5 [4.5] 2.3 | 20.5 [6.0] 13.9 [4.1] 2.3 | 20.3 [5.9] 20.1 [5.9] 2.3 | 20.0 [5.9] 19.3 [5.7] 2.3 | 19.2 [5.6] 17.4 [5.1] 2.2 |
| | 115 [46.1] | Total BTUH [kW] Sens BTUH [kW] Power | 22.4 [6.6] 12.9 [3.8] 2.5 | 22.0 [6.4] 12.3 [3.6] 2.4 | 21.2 [6.2] 11.1 [3.3] 2.4 | 20.8 [6.1] 16.1 [4.7] 2.4 | 20.4 [6.0] 15.4 [4.5] 2.4 | 19.6 [5.7] 13.9 [4.1] 2.4 | 19.4 [5.7] 19.4 [5.7] 2.4 | 19.1 [5.6] 19.1 [5.6] 2.4 | 18.4 [5.4] 17.4 [5.1] 2.4 |
| | 120 [48.9] | Total BTUH [kW] Sens BTUH [kW] Power | 21.5 [6.3] 12.9 [3.8] 2.6 | 21.1 [6.2] 12.4 [3.6] 2.6 | 20.3 [5.9] 11.2 [3.3] 2.5 | 19.9 [5.8] 16.2 [4.7] 2.6 | 19.6 [5.7] 15.5 [4.5] 2.5 | 18.8 [5.5] 14.0 [4.1] 2.5 | 18.6 [5.5] 18.6 [5.5] 2.6 | 18.3 [5.4] 18.3 [5.4] 2.5 | 17.6 [5.2] 17.4 [5.1] 2.5 |
| | 125 [51.7] | Total BTUH [kW] Sens BTUH [kW] Power | 20.6 [6.0] 13.1 [3.8] 2.7 | 20.2 [5.9] 12.6 [3.7] 2.7 | 19.5 [5.7] 11.3 [3.3] 2.6 | 19.0 [5.6] 16.4 [4.8] 2.7 | 18.7 [5.5] 15.7 [4.6] 2.7 | 17.9 [5.2] 14.1 [4.1] 2.6 | 17.6 [5.2] 17.6 [5.2] 2.7 | 17.4 [5.1] 17.4 [5.1] 2.7 | 16.7 [4.9] 16.7 [4.9] 2.6 |

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

Total —Total capacity x 1000 BTUH
Sens —Sensible capacity x 1000 BTUH
Power —KW input

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

[] Designates Metric Conversions

COOLING PERFORMANCE DATA—RGEAZS036A

| 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] | | | 1325 [625] | 1200 [566] | 950 [448] | 1325 [625] | 1200 [566] | 950 [448] | 1325 [625] | 1200 [566] | 950 [448] |
| DR ① | | | .05 | .09 | .12 | .05 | .09 | .12 | .05 | .09 | .12 |
| OUTDOOR DRY BULB TEMPERATURE °F [°C] | 75 [23.9] | Total BTUH [kW] Sens BTUH [kW] Power | 43.6 [12.8] 25.0 [7.3] 2.5 | 42.8 [12.5] 23.8 [7.0] 2.5 | 41.2 [12.1] 21.5 [6.3] 2.5 | 41.1 [12.0] 29.9 [8.8] 2.5 | 40.3 [11.8] 28.5 [8.4] 2.5 | 38.8 [11.4] 25.8 [7.6] 2.4 | 38.5 [11.3] 34.2 [10.0] 2.5 | 37.8 [11.1] 32.6 [9.6] 2.5 | 36.4 [10.7] 29.4 [8.6] 2.4 |
| | 80 [26.7] | Total BTUH [kW] Sens BTUH [kW] Power | 42.4 [12.4] 24.3 [7.1] 2.6 | 41.6 [12.2] 23.1 [6.8] 2.6 | 40.0 [11.7] 20.9 [6.1] 2.6 | 39.8 [11.7] 29.2 [8.6] 2.6 | 39.1 [11.5] 27.8 [8.1] 2.6 | 37.6 [11.0] 25.1 [7.4] 2.5 | 37.3 [10.9] 33.5 [9.8] 2.6 | 36.6 [10.7] 31.9 [9.3] 2.6 | 35.2 [10.3] 28.8 [8.4] 2.5 |
| | 85 [29.4] | Total BTUH [kW] Sens BTUH [kW] Power | 41.2 [12.1] 23.6 [6.9] 2.8 | 40.4 [11.8] 22.5 [6.6] 2.7 | 38.9 [11.4] 20.3 [5.9] 2.7 | 38.6 [11.3] 28.5 [8.4] 2.7 | 37.9 [11.1] 27.2 [8.0] 2.7 | 36.5 [10.7] 24.6 [7.2] 2.6 | 36.1 [10.6] 32.8 [9.6] 2.7 | 35.4 [10.4] 31.3 [9.2] 2.7 | 34.1 [10.0] 28.2 [8.3] 2.6 |
| | 90 [32.2] | Total BTUH [kW] Sens BTUH [kW] Power | 39.9 [11.7] 23.0 [6.7] 2.9 | 39.2 [11.5] 21.9 [6.4] 2.8 | 37.7 [11.0] 19.8 [5.8] 2.8 | 37.4 [11.0] 27.9 [8.2] 2.8 | 36.7 [10.8] 26.6 [7.8] 2.8 | 35.3 [10.3] 24.0 [7.0] 2.8 | 34.9 [10.2] 32.2 [9.4] 2.8 | 34.2 [10.0] 30.7 [9.0] 2.8 | 32.9 [9.6] 27.7 [8.1] 2.7 |
| | 95 [35] | Total BTUH [kW] Sens BTUH [kW] Power | 38.7 [11.3] 22.4 [6.6] 3.0 | 38.0 [11.1] 21.3 [6.2] 3.0 | 36.6 [10.7] 19.3 [5.7] 2.9 | 36.2 [10.6] 27.3 [8.0] 3.0 | 35.5 [10.4] 26.0 [7.6] 2.9 | 34.2 [10.0] 23.5 [6.9] 2.9 | 33.6 [9.8] 31.6 [9.3] 2.9 | 33.0 [9.7] 30.1 [8.8] 2.9 | 31.8 [9.3] 27.2 [8.0] 2.9 |
| | 100 [37.8] | Total BTUH [kW] Sens BTUH [kW] Power | 37.5 [11.0] 21.8 [6.4] 3.1 | 36.8 [10.8] 20.8 [6.1] 3.1 | 35.4 [10.4] 18.8 [5.5] 3.1 | 35.0 [10.3] 26.8 [7.9] 3.1 | 34.3 [10.1] 25.5 [7.5] 3.1 | 33.0 [9.7] 23.0 [6.7] 3.0 | 32.4 [9.5] 31.0 [9.1] 3.1 | 31.8 [9.3] 29.6 [8.7] 3.1 | 30.6 [9.0] 26.7 [7.8] 3.0 |
| | 105 [40.6] | Total BTUH [kW] Sens BTUH [kW] Power | 36.3 [10.6] 21.3 [6.2] 3.3 | 35.6 [10.4] 20.3 [5.9] 3.3 | 34.3 [10.1] 18.3 [5.4] 3.2 | 33.7 [9.9] 26.2 [7.7] 3.3 | 33.1 [9.7] 25.0 [7.3] 3.2 | 31.9 [9.3] 22.6 [6.6] 3.2 | 31.2 [9.1] 30.5 [8.9] 3.2 | 30.6 [9.0] 29.1 [8.5] 3.2 | 29.5 [8.6] 26.3 [7.7] 3.1 |
| | 110 [43.3] | Total BTUH [kW] Sens BTUH [kW] Power | 35.1 [10.3] 20.8 [6.1] 3.4 | 34.4 [10.1] 19.9 [5.8] 3.4 | 33.1 [9.7] 17.9 [5.2] 3.3 | 32.5 [9.5] 25.8 [7.6] 3.4 | 31.9 [9.3] 24.6 [7.2] 3.4 | 30.7 [9.0] 22.2 [6.5] 3.3 | 30.0 [8.8] 30.0 [8.8] 3.4 | 29.4 [8.6] 28.6 [8.4] 3.4 | 28.3 [8.3] 25.9 [7.6] 3.3 |
| | 115 [46.1] | Total BTUH [kW] Sens BTUH [kW] Power | 33.8 [9.9] 20.4 [6.0] 3.6 | 33.2 [9.7] 19.5 [5.7] 3.6 | 32.0 [9.4] 17.6 [5.2] 3.5 | 31.3 [9.2] 25.3 [7.4] 3.6 | 30.7 [9.0] 24.2 [7.1] 3.5 | 29.6 [8.7] 21.8 [6.4] 3.5 | 28.8 [8.4] 28.8 [8.4] 3.6 | 28.2 [8.3] 28.2 [8.3] 3.5 | 27.2 [8.0] 25.5 [7.5] 3.5 |
| | 120 [48.9] | Total BTUH [kW] Sens BTUH [kW] Power | 32.6 [9.6] 20.0 [5.9] 3.8 | 32.0 [9.4] 19.1 [5.6] 3.7 | 30.8 [9.0] 17.2 [5.0] 3.7 | 30.1 [8.8] 24.9 [7.3] 3.8 | 29.5 [8.6] 23.8 [7.0] 3.7 | 28.4 [8.3] 21.5 [6.3] 3.7 | 27.5 [8.1] 27.5 [8.1] 3.7 | 27.0 [7.9] 27.0 [7.9] 3.7 | 26.0 [7.6] 25.1 [7.4] 3.6 |
| | 125 [51.7] | Total BTUH [kW] Sens BTUH [kW] Power | 31.4 [9.2] 19.7 [5.8] 4.0 | 30.8 [9.0] 18.7 [5.5] 3.9 | 29.7 [8.7] 16.9 [5.0] 3.9 | 28.9 [8.5] 24.6 [7.2] 3.9 | 28.3 [8.3] 23.4 [6.9] 3.9 | 27.3 [8.0] 21.2 [6.2] 3.8 | 26.3 [7.7] 26.3 [7.7] 3.9 | 25.8 [7.6] 25.8 [7.6] 3.9 | 24.9 [7.3] 24.8 [7.3] 3.8 |

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

Total —Total capacity x 1000 BTUH
Sens —Sensible capacity x 1000 BTUH
Power —KW input

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

[] Designates Metric Conversions

COOLING PERFORMANCE DATA—RGEXZS048A

| 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] | | | 1850 [873] | 1525 [720] | 1325 [625] | 1850 [873] | 1525 [720] | 1325 [625] | 1850 [873] | 1525 [720] | 1325 [625] |
| DR ① | | | .05 | .09 | .12 | .05 | .09 | .12 | .05 | .09 | .12 |
| OUTDOOR DRY BULB TEMPERATURE °F [°C] | 75 [23.9] | Total BTUH [kW] Sens BTUH [kW] Power | 61.4 [18.0] 35.3 [10.3] 3.5 | 59.2 [17.4] 32.1 [9.4] 3.5 | 57.7 [16.9] 30.2 [8.9] 3.4 | 57.2 [16.8] 41.1 [12.0] 3.5 | 55.1 [16.1] 37.4 [11.0] 3.4 | 53.8 [15.8] 35.1 [10.3] 3.4 | 53.2 [15.6] 46.2 [13.5] 3.5 | 51.2 [15.0] 42.1 [12.3] 3.4 | 50.0 [14.7] 39.5 [11.6] 3.4 |
| | 80 [26.7] | Total BTUH [kW] Sens BTUH [kW] Power | 60.0 [17.6] 34.7 [10.2] 3.7 | 57.8 [16.9] 31.6 [9.3] 3.6 | 56.4 [16.5] 29.6 [8.7] 3.6 | 55.8 [16.4] 40.4 [11.8] 3.6 | 53.7 [15.7] 36.8 [10.8] 3.6 | 52.4 [15.4] 34.5 [10.1] 3.5 | 51.8 [15.2] 45.6 [13.4] 3.6 | 49.8 [14.6] 41.5 [12.2] 3.5 | 48.6 [14.2] 38.9 [11.4] 3.5 |
| | 85 [29.4] | Total BTUH [kW] Sens BTUH [kW] Power | 58.5 [17.1] 34.0 [10.0] 3.8 | 56.3 [16.5] 30.9 [9.1] 3.7 | 55.0 [16.1] 29.0 [8.5] 3.7 | 54.3 [15.9] 39.7 [11.6] 3.8 | 52.3 [15.3] 36.2 [10.6] 3.7 | 51.0 [14.9] 33.9 [9.9] 3.6 | 50.3 [14.7] 44.9 [13.2] 3.7 | 48.4 [14.2] 40.8 [12.0] 3.6 | 47.2 [13.8] 38.3 [11.2] 3.6 |
| | 90 [32.2] | Total BTUH [kW] Sens BTUH [kW] Power | 57.0 [16.7] 33.2 [9.7] 3.9 | 54.8 [16.1] 30.2 [8.9] 3.9 | 53.5 [15.7] 28.4 [8.3] 3.8 | 52.7 [15.4] 39.0 [11.4] 3.9 | 50.8 [14.9] 35.4 [10.4] 3.8 | 49.6 [14.5] 33.3 [9.8] 3.8 | 48.7 [14.3] 44.1 [12.9] 3.9 | 46.9 [13.7] 40.1 [11.8] 3.8 | 45.8 [13.4] 37.7 [11.0] 3.7 |
| | 95 [35] | Total BTUH [kW] Sens BTUH [kW] Power | 55.4 [16.2] 32.4 [9.5] 4.1 | 53.3 [15.6] 29.4 [8.6] 4.0 | 52.0 [15.2] 27.6 [8.1] 4.0 | 51.1 [15.0] 38.1 [11.2] 4.1 | 49.2 [14.4] 34.7 [10.2] 4.0 | 48.1 [14.1] 32.5 [9.5] 3.9 | 47.1 [13.8] 43.3 [12.7] 4.0 | 45.4 [13.3] 39.4 [11.5] 4.0 | 44.3 [13.0] 37.0 [10.8] 3.9 |
| | 100 [37.8] | Total BTUH [kW] Sens BTUH [kW] Power | 53.7 [15.7] 31.4 [9.2] 4.3 | 51.7 [15.2] 28.6 [8.4] 4.2 | 50.5 [14.8] 26.9 [7.9] 4.2 | 49.5 [14.5] 37.2 [10.9] 4.2 | 47.6 [14.0] 33.8 [9.9] 4.2 | 46.5 [13.6] 31.8 [9.3] 4.1 | 45.5 [13.3] 42.4 [12.4] 4.2 | 43.8 [12.8] 38.5 [11.3] 4.1 | 42.7 [12.5] 36.2 [10.6] 4.1 |
| | 105 [40.6] | Total BTUH [kW] Sens BTUH [kW] Power | 52.0 [15.2] 30.4 [8.9] 4.5 | 50.0 [14.7] 27.7 [8.1] 4.4 | 48.9 [14.3] 26.0 [7.6] 4.3 | 47.8 [14.0] 36.2 [10.6] 4.4 | 46.0 [13.5] 32.9 [9.6] 4.4 | 44.9 [13.2] 30.9 [9.1] 4.3 | 43.7 [12.8] 41.4 [12.1] 4.4 | 42.1 [12.3] 37.6 [11.0] 4.3 | 41.1 [12.0] 35.3 [10.3] 4.3 |
| | 110 [43.3] | Total BTUH [kW] Sens BTUH [kW] Power | 50.2 [14.7] 29.4 [8.6] 4.7 | 48.3 [14.2] 26.7 [7.8] 4.6 | 47.2 [13.8] 25.1 [7.4] 4.5 | 46.0 [13.5] 35.1 [10.3] 4.6 | 44.3 [13.0] 31.9 [9.3] 4.6 | 43.2 [12.7] 30.0 [8.8] 4.5 | 42.0 [12.3] 40.3 [11.8] 4.6 | 40.4 [11.8] 36.6 [10.7] 4.5 | 39.4 [11.5] 34.4 [10.1] 4.5 |
| | 115 [46.1] | Total BTUH [kW] Sens BTUH [kW] Power | 48.4 [14.2] 28.2 [8.3] 4.9 | 46.6 [13.7] 25.7 [7.5] 4.8 | 45.5 [13.3] 24.1 [7.1] 4.8 | 44.2 [13.0] 34.0 [10.0] 4.9 | 42.5 [12.5] 30.9 [9.1] 4.8 | 41.5 [12.2] 29.0 [8.5] 4.7 | 40.2 [11.8] 39.1 [11.5] 4.8 | 38.7 [11.3] 35.6 [10.4] 4.7 | 37.7 [11.0] 33.4 [9.8] 4.7 |
| | 120 [48.9] | Total BTUH [kW] Sens BTUH [kW] Power | 46.5 [13.6] 27.0 [7.9] 5.1 | 44.8 [13.1] 24.6 [7.2] 5.1 | 43.7 [12.8] 23.1 [6.8] 5.0 | 42.3 [12.4] 32.7 [9.6] 5.1 | 40.7 [11.9] 29.8 [8.7] 5.0 | 39.7 [11.6] 28.0 [8.2] 5.0 | 38.3 [11.2] 37.9 [11.1] 5.1 | 36.8 [10.8] 34.5 [10.1] 5.0 | 36.0 [10.6] 32.4 [9.5] 4.9 |
| | 125 [51.7] | Total BTUH [kW] Sens BTUH [kW] Power | 44.6 [13.1] 25.7 [7.5] 5.4 | 42.9 [12.6] 23.4 [6.9] 5.3 | 41.9 [12.3] 21.9 [6.4] 5.2 | 40.4 [11.8] 31.4 [9.2] 5.4 | 38.8 [11.4] 28.6 [8.4] 5.3 | 37.9 [11.1] 26.9 [7.9] 5.2 | 36.3 [10.6] 36.3 [10.6] 5.3 | 35.0 [10.3] 33.3 [9.8] 5.2 | 34.1 [10.0] 31.3 [9.2] 5.2 |

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

Total —Total capacity x 1000 BTUH
Sens —Sensible capacity x 1000 BTUH
Power —KW input

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

[] Designates Metric Conversions

COOLING PERFORMANCE DATA—RGEXZS060A

| 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] | | | 2150 [1015] | 1800 [850] | 1550 [732] | 2150 [1015] | 1800 [850] | 1550 [732] | 2150 [1015] | 1800 [850] | 1550 [732] |
| DR ① | | | .05 | .09 | .12 | .05 | .09 | .12 | .05 | .09 | .12 |
| OUTDOOR DRY BULB TEMPERATURE °F [°C] | 75 [23.9] | Total BTUH [kW] Sens BTUH [kW] Power | 71.4 [20.9] 40.3 [11.8] 4.3 | 69.0 [20.2] 37.0 [10.8] 4.2 | 67.2 [19.7] 34.6 [10.1] 4.2 | 66.7 [19.5] 46.2 [13.5] 4.2 | 64.4 [18.9] 42.4 [12.4] 4.2 | 62.8 [18.4] 39.6 [11.6] 4.1 | 62.0 [18.2] 52.1 [15.3] 4.2 | 59.9 [17.6] 47.8 [14.0] 4.1 | 58.4 [17.1] 44.7 [13.1] 4.0 |
| | 80 [26.7] | Total BTUH [kW] Sens BTUH [kW] Power | 69.7 [20.4] 39.6 [11.6] 4.5 | 67.3 [19.7] 36.3 [10.6] 4.4 | 65.6 [19.2] 33.9 [9.9] 4.3 | 65.0 [19.1] 45.5 [13.3] 4.4 | 62.7 [18.4] 41.7 [12.2] 4.3 | 61.2 [17.9] 39.0 [11.4] 4.3 | 60.3 [17.7] 51.4 [15.1] 4.3 | 58.2 [17.1] 47.1 [13.8] 4.3 | 56.7 [16.6] 44.0 [12.9] 4.2 |
| | 85 [29.4] | Total BTUH [kW] Sens BTUH [kW] Power | 67.9 [19.9] 38.8 [11.4] 4.7 | 65.6 [19.2] 35.6 [10.4] 4.6 | 63.9 [18.7] 33.3 [9.8] 4.5 | 63.2 [18.5] 44.7 [13.1] 4.6 | 61.0 [17.9] 41.0 [12.0] 4.5 | 59.5 [17.4] 38.3 [11.2] 4.5 | 58.5 [17.1] 50.6 [14.8] 4.5 | 56.5 [16.6] 46.4 [13.6] 4.4 | 55.1 [16.1] 43.4 [12.7] 4.4 |
| | 90 [32.2] | Total BTUH [kW] Sens BTUH [kW] Power | 66.1 [19.4] 38.1 [11.2] 4.9 | 63.9 [18.7] 34.9 [10.2] 4.8 | 62.3 [18.3] 32.6 [9.6] 4.7 | 61.4 [18.0] 44.0 [12.9] 4.8 | 59.3 [17.4] 40.3 [11.8] 4.7 | 57.8 [16.9] 37.7 [11.0] 4.6 | 56.7 [16.6] 49.8 [14.6] 4.7 | 54.8 [16.1] 45.7 [13.4] 4.6 | 53.4 [15.7] 42.7 [12.5] 4.6 |
| | 95 [35] | Total BTUH [kW] Sens BTUH [kW] Power | 64.4 [18.9] 37.3 [10.9] 5.1 | 62.2 [18.2] 34.2 [10.0] 5.0 | 60.6 [17.8] 32.0 [9.4] 4.9 | 59.7 [17.5] 43.2 [12.7] 5.0 | 57.6 [16.9] 39.6 [11.6] 4.9 | 56.2 [16.5] 37.0 [10.8] 4.9 | 55.0 [16.1] 49.1 [14.4] 4.9 | 53.1 [15.6] 45.0 [13.2] 4.8 | 51.8 [15.2] 42.1 [12.3] 4.8 |
| | 100 [37.8] | Total BTUH [kW] Sens BTUH [kW] Power | 62.6 [18.3] 36.6 [10.7] 5.3 | 60.5 [17.7] 33.5 [9.8] 5.2 | 58.9 [17.3] 31.3 [9.2] 5.1 | 57.9 [17.0] 42.4 [12.4] 5.2 | 55.9 [16.4] 38.9 [11.4] 5.1 | 54.5 [16.0] 36.4 [10.7] 5.1 | 53.2 [15.6] 48.3 [14.2] 5.2 | 51.4 [15.1] 44.3 [13.0] 5.1 | 50.1 [14.7] 41.4 [12.1] 5.0 |
| | 105 [40.6] | Total BTUH [kW] Sens BTUH [kW] Power | 60.8 [17.8] 35.8 [10.5] 5.5 | 58.8 [17.2] 32.8 [9.6] 5.4 | 57.3 [16.8] 30.7 [9.0] 5.4 | 56.1 [16.4] 41.7 [12.2] 5.5 | 54.2 [15.9] 38.2 [11.2] 5.4 | 52.9 [15.5] 35.7 [10.5] 5.3 | 51.4 [15.1] 47.6 [14.0] 5.4 | 49.7 [14.6] 43.6 [12.8] 5.3 | 48.4 [14.2] 40.8 [12.0] 5.2 |
| | 110 [43.3] | Total BTUH [kW] Sens BTUH [kW] Power | 59.1 [17.3] 35.0 [10.3] 5.8 | 57.1 [16.7] 32.1 [9.4] 5.7 | 55.6 [16.3] 30.0 [8.8] 5.6 | 54.4 [15.9] 40.9 [12.0] 5.7 | 52.5 [15.4] 37.5 [11.0] 5.6 | 51.2 [15.0] 35.1 [10.3] 5.6 | 49.7 [14.6] 46.8 [13.7] 5.7 | 48.0 [14.1] 42.9 [12.6] 5.6 | 46.8 [13.7] 40.1 [11.8] 5.5 |
| | 115 [46.1] | Total BTUH [kW] Sens BTUH [kW] Power | 57.3 [16.8] 34.3 [10.1] 6.1 | 55.4 [16.2] 31.4 [9.2] 6.0 | 54.0 [15.8] 29.4 [8.6] 5.9 | 52.6 [15.4] 40.2 [11.8] 6.0 | 50.8 [14.9] 36.8 [10.8] 5.9 | 49.5 [14.5] 34.4 [10.1] 5.8 | 47.9 [14.0] 46.1 [13.5] 5.9 | 46.3 [13.6] 42.2 [12.4] 5.8 | 45.1 [13.2] 39.5 [11.6] 5.8 |
| | 120 [48.9] | Total BTUH [kW] Sens BTUH [kW] Power | 55.5 [16.3] 33.5 [9.8] 6.4 | 53.7 [15.7] 30.7 [9.0] 6.3 | 52.3 [15.3] 28.7 [8.4] 6.2 | 50.9 [14.9] 39.4 [11.5] 6.3 | 49.1 [14.4] 36.1 [10.6] 6.2 | 47.9 [14.0] 33.8 [9.9] 6.1 | 46.2 [13.5] 45.3 [13.3] 6.2 | 44.6 [13.1] 41.5 [12.2] 6.1 | 43.5 [12.7] 38.8 [11.4] 6.1 |
| | 125 [51.7] | Total BTUH [kW] Sens BTUH [kW] Power | 53.8 [15.8] 32.8 [9.6] 6.7 | 51.9 [15.2] 30.0 [8.8] 6.6 | 50.6 [14.8] 28.1 [8.2] 6.5 | 49.1 [14.4] 38.6 [11.3] 6.6 | 47.4 [13.9] 35.4 [10.4] 6.5 | 46.2 [13.5] 33.1 [9.7] 6.4 | 44.4 [13.0] 44.4 [13.0] 6.5 | 42.9 [12.6] 40.8 [12.0] 6.4 | 41.8 [12.3] 38.2 [11.2] 6.3 |

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

Total —Total capacity x 1000 BTUH
Sens —Sensible capacity x 1000 BTUH
Power —KW input

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

[] Designates Metric Conversions

AIRFLOW TARGETS

| RGEAZS024 | |
|--|-------------|
| THERMOSTAT CALL | NOMINAL CFM |
| High Cooling | 800 |
| Low Cooling | 600 |
| 60k Heating | 750 |
| Fan | 400 |
| Manufacturer Recommended Cooling Airflow (Min./Max.) | 700 / 900 |

| RGEAZS036 | |
|--|-------------|
| THERMOSTAT CALL | NOMINAL CFM |
| High Cooling | 1200 |
| Low Cooling | 800 |
| 100k High Heat | 1540 |
| 80k Heat | 1465 |
| 60k Heat | 985 |
| Fan | 600 |
| Manufacturer Recommended Cooling Airflow (Min./Max.) | 1050 / 1350 |

| RGEXZS048 | |
|--|-------------|
| THERMOSTAT CALL | NOMINAL CFM |
| High Cooling | 1525 |
| Low Cooling | 1000 |
| 100k High Heat | 1465 |
| 100k Low Heat | 1273 |
| 80k High Heat | 1265 |
| 80k Low Heat | 1110 |
| Manufacturer Recommended Cooling Airflow (Min./Max.) | 1400 / 1800 |

| RGEXZS060 | |
|--|-------------|
| THERMOSTAT CALL | NOMINAL CFM |
| High Cooling | 1800 |
| Low Cooling | 1200 |
| 100k High Heat | 1600 |
| 100k Low Heat | 1296 |
| 80k High Heat | 1240 |
| 80k Low Heat | 1065 |
| Manufacturer Recommended Cooling Airflow (Min./Max.) | 1750 / 2250 |

ELECTRICAL DATA - RGEAZS SERIES

| | | 024AJV06 | 036ACV06 | 036ACV08 | 036ACV10 | 036AJV06 | 036AJV08 | 036AJV10 |
|------------------|--|----------|----------|----------|----------|----------|----------|----------|
| Unit Information | Unit Operating Voltage Range | 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 |
| | Phase | 1 | 3 | 3 | 3 | 1 | 1 | 1 |
| | Hz | 60 | 60 | 60 | 60 | 60 | 60 | 60 |
| | Minimum Circuit Ampacity | 18 | 21 | 21 | 21 | 29 | 29 | 29 |
| | Minimum Overcurrent Protection Device Size | 25 | 25 | 25 | 25 | 35 | 35 | 35 |
| Compressor Motor | Maximum Overcurrent Protection Device Size | 25 | 25 | 25 | 25 | 40 | 40 | 40 |
| | No. | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | Volts | 208/230 | 208/230 | 208/230 | 208/230 | 208/230 | 208/230 | 208/230 |
| | Phase | 1 | 3 | 3 | 3 | 1 | 1 | 1 |
| | RPM | 3500 | 3500 | 3500 | 3500 | 3500 | 3500 | 3500 |
| | HP, Compressor 1 | | | | | | | |
| | Amps (RLA), Comp. 1 | 10.9 | 8.8 | 8.8 | 8.8 | 15.3 | 15.3 | 15.3 |
| | Amps (LRA), Comp. 1 | 55.2 | 70 | 70 | 70 | 78.1 | 78.1 | 78.1 |
| | HP, Compressor 2 | | | | | | | |
| Condenser Motor | Amps (RLA), Comp. 2 | | | | | | | |
| | Amps (LRA), Comp. 2 | | | | | | | |
| | No. | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | Volts | 208/230 | 208/230 | 208/230 | 208/230 | 208/230 | 208/230 | 208/230 |
| | Phase | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | HP | 1/6 | 1/3 | 1/3 | 1/3 | 1/3 | 1/3 | 1/3 |
| Evaporator Fan | Amps (FLA, each) | 0.6 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| | Amps (LRA, each) | 1.5 | 3 | 3 | 3 | 3 | 3 | 3 |
| | No. | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | Volts | 208/230 | 208/230 | 208/230 | 208/230 | 208/230 | 208/230 | 208/230 |
| | Phase | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | HP | 1/3 | 1 | 1 | 1 | 1 | 1 | 1 |
| | Amps (FLA, each) | 2.8 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 |
| | Amps (LRA, each) | | | | | | | |

| ELECTRICAL DATA - RGEZS SERIES | | | | | | | | | |
|--------------------------------|--|----------|----------|----------|----------|----------|----------|----------|----------|
| | | 048ACV08 | 048ACV10 | 048AJV08 | 048AJV10 | 060ACV08 | 060ACV10 | 060AJV08 | 060AJV10 |
| Unit Information | Unit Operating Voltage Range | 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 |
| | Phase | 3 | 3 | 1 | 1 | 3 | 3 | 1 | 1 |
| | Hz | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 |
| | Minimum Circuit Ampacity | 26 | 26 | 35 | 35 | 28 | 28 | 39 | 39 |
| | Minimum Overcurrent Protection Device Size | 30 | 30 | 40 | 40 | 35 | 35 | 45 | 45 |
| | Maximum Overcurrent Protection Device Size | 35 | 35 | 50 | 50 | 40 | 40 | 60 | 60 |
| Compressor Motor | No. | 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 |
| | Phase | 3 | 3 | 1 | 1 | 3 | 3 | 1 | 1 |
| | RPM | 3500 | 3500 | 3500 | 3500 | 3500 | 3500 | 3500 | 3500 |
| | HP, Compressor 1 | | | | | | | | |
| | Amps (RLA), Comp. 1 | 12.6 | 12.6 | 19.9 | 19.9 | 14 | 14 | 23.5 | 23.5 |
| | Amps (LRA), Comp. 1 | 123 | 123 | 109 | 109 | 93 | 93 | 118 | 118 |
| | HP, Compressor 2 | | | | | | | | |
| | Amps (RLA), Comp. 2 | | | | | | | | |
| | Amps (LRA), Comp. 2 | | | | | | | | |
| Condenser Motor | No. | 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 |
| | Phase | 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 |
| | Amps (FLA, each) | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | Amps (LRA, each) | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 |
| Evaporator Fan | No. | 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 |
| | 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 | 7.6 | 7.6 | 7.6 |
| | Amps (LRA, each) | | | | | | | | |

ACCESSORY EQUIPMENT

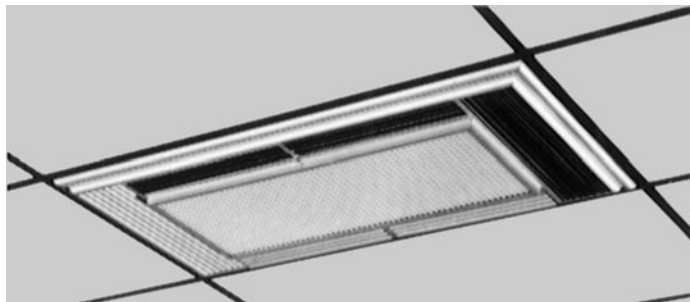
| Accessory Description | Model Application | Accessory Model No. |
|---|-------------------|---|
| Roofcurb | RGEA | RXSG-AAA08 (8" [203 mm] Height) |
| | | RXSG-AAA14 (14" [356 mm] Height) |
| | RGEX | RXSG-AXA14 (14" [356 mm] Height) |
| | | RXSG-AXA24 (24" [610 mm] Height) |
| Curb Adapter ("A" footprint to "X" footprint) | RGEX | RXRX-DXCAE |
| Duct Adapter Sideflow Square to Round Transition | RGE(A/X) | AXMC-BA01 |
| Supply & Return Diffusers | 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 | RGE(A/X) | RXGJ-EP84W (White-Rodgers Gas Valve) RXGJ-EP85H (Honeywell Gas Valve) RXGJ-FP28 |
| Filter Kit | RGEA | RXRY-B01 |
| | RGEX | RXRY-B02 |
| Split Door Design Kit | RGEX | RXRX-SDX01 |
| Low Ambient Control | RGE(A/X) | RXPZ-G01 |
| Low Pressure Control | RGE(A/X) | RXAC-C01 |
| Phase Monitor Kit | 3ph-RGE(A/X) | RXRX-PM3A01 |
| Canadian High Altitude Kit (for Natural Gas only ¹) | RGEA/X | RXRX-AH01 |

¹If 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.

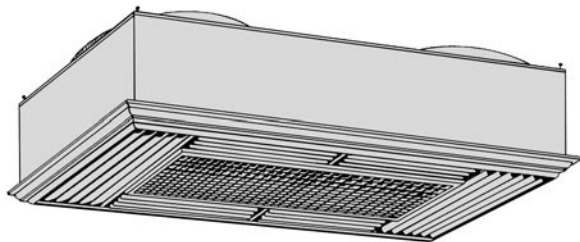
²High pressure switches are standard for RGE(A/X) Models.

[] Designates Metric Conversions

COMMON SUPPLY/RETURN CONCENTRIC AIR DIFFUSER



SUPPLY/RETURN DIFFUSER

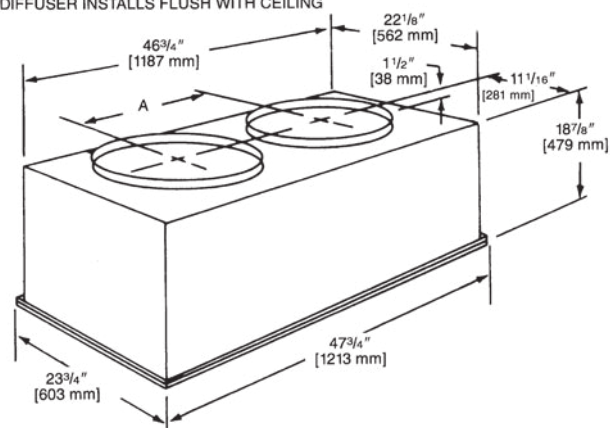


Designed to convert a side by side or an over and under arrangement into a concentric distribution of air. The diffuser is flush mounted, completely insulated, assembled, and internally baffled to provide four way supply air distribution with a center return. To make the assembly complete and ready to 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] | 20½ [521] |

[] Designates Metric Conversions

DIFFUSER INSTALLS FLUSH WITH CEILING



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])

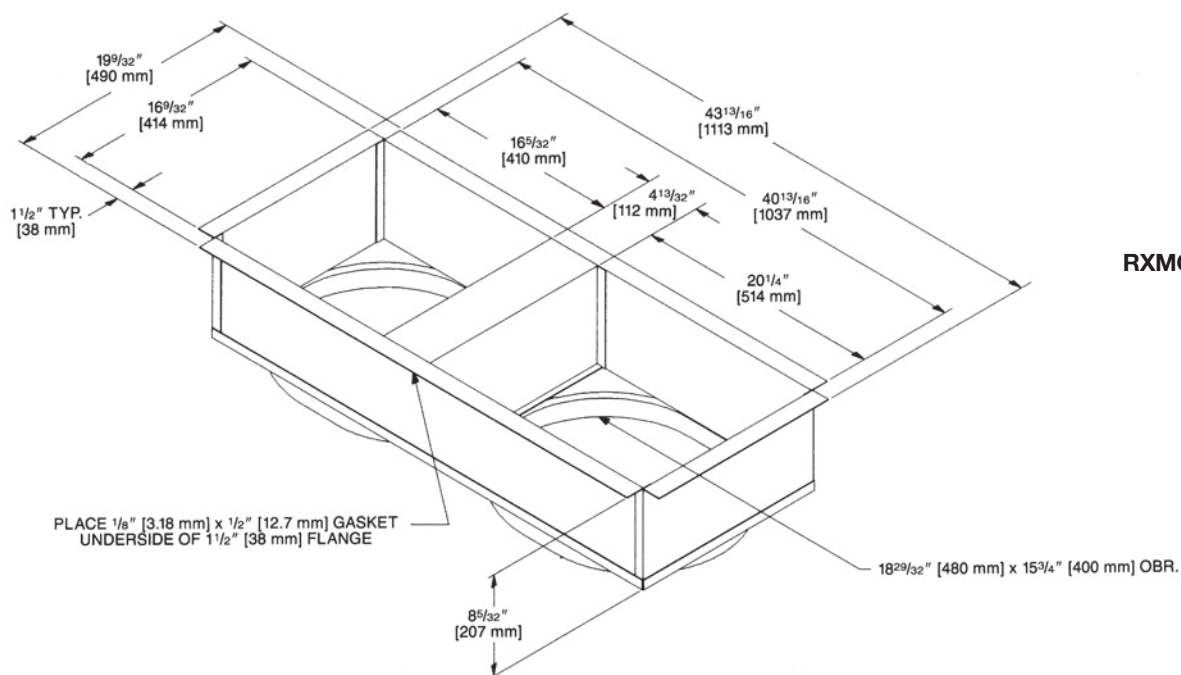
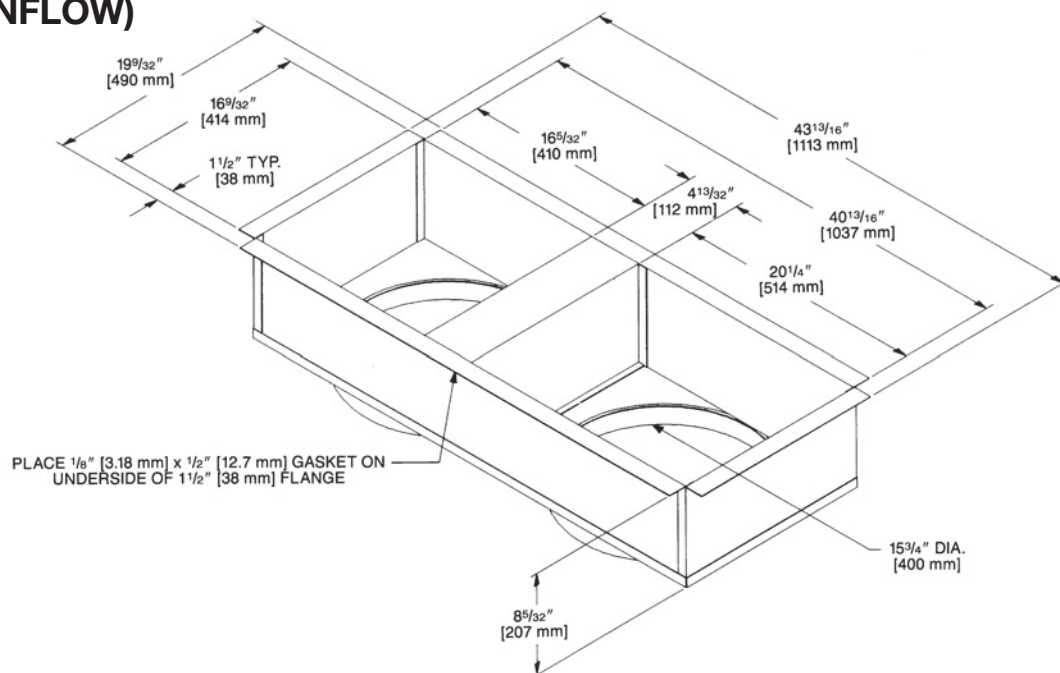
| Accessory | Approximate CFM [L/s]-Supply Air | | | | |
|-----------------------------|----------------------------------|------------|------------|-------------|--|
| | 1300 [614] | 1575 [743] | 1800 [850] | 2200 [1038] | |
| Plenum & Supply/Return Duct | .07 [.017] | .10 [.024] | .12 [.030] | .17 [.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



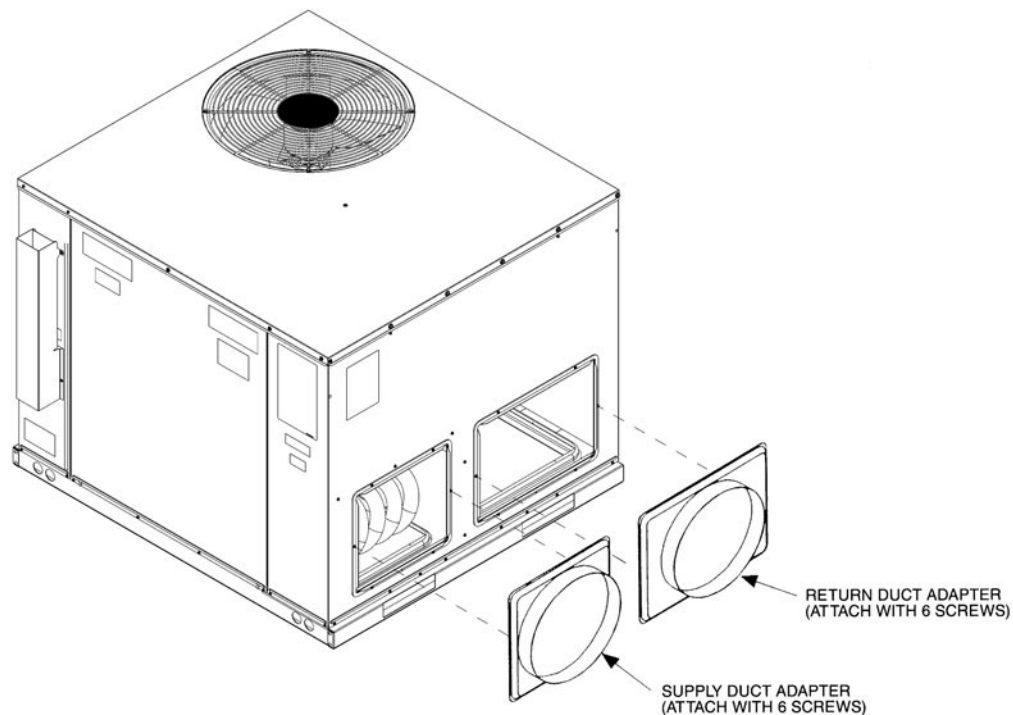
RXMC-CA03

[] 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.

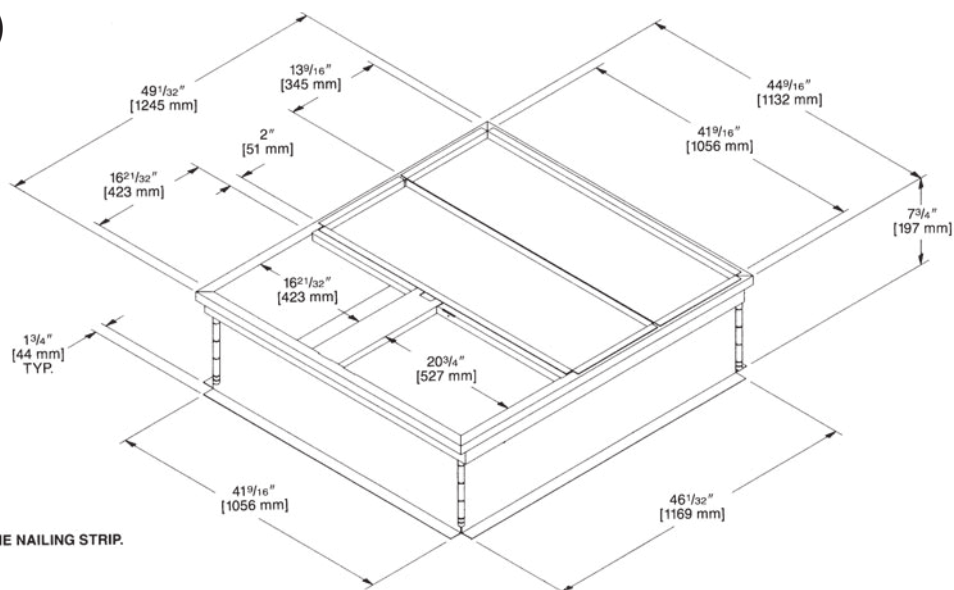
[] Designates Metric Conversions



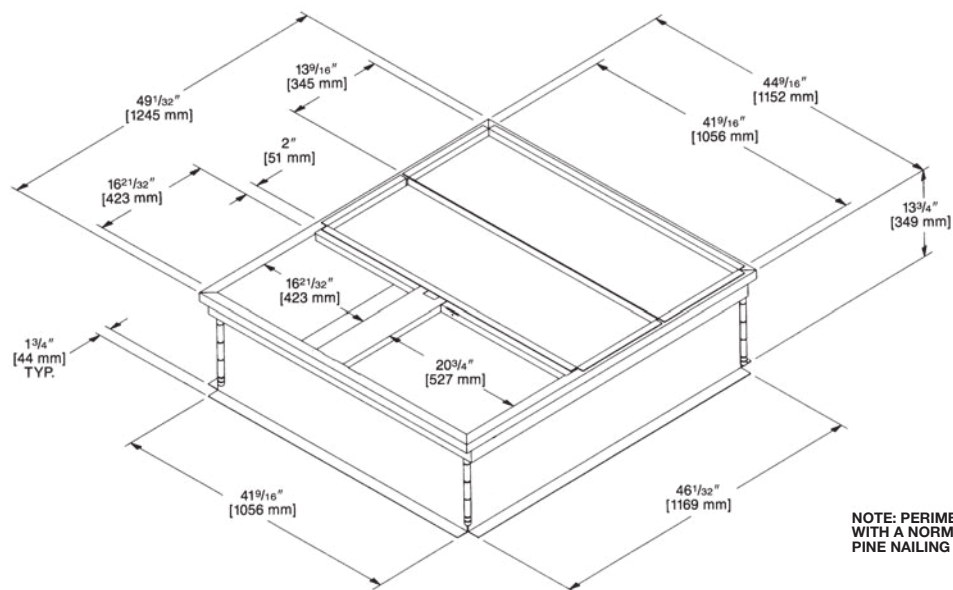
ROOFCURB (Full Perimeter) RXSG-AAA08, RXSG-AAA14 – for the "A" cabinet

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)

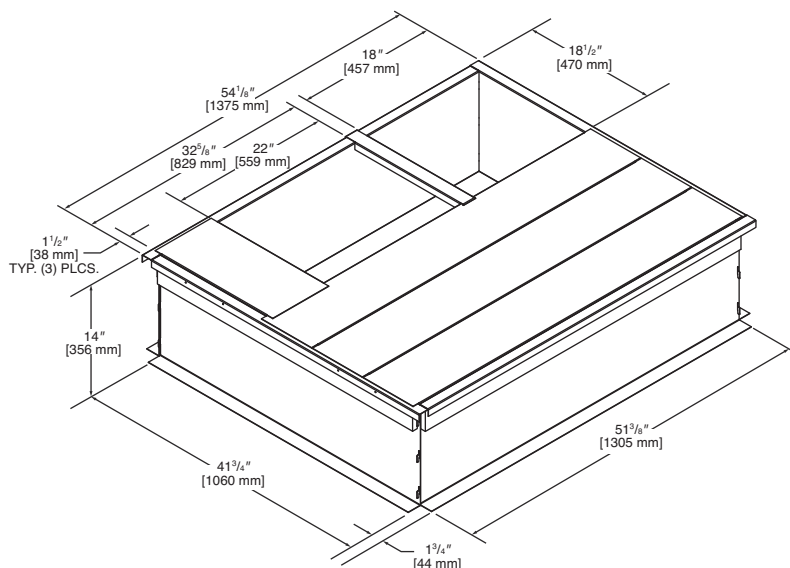


Illustration
ST-A1334-14-00

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

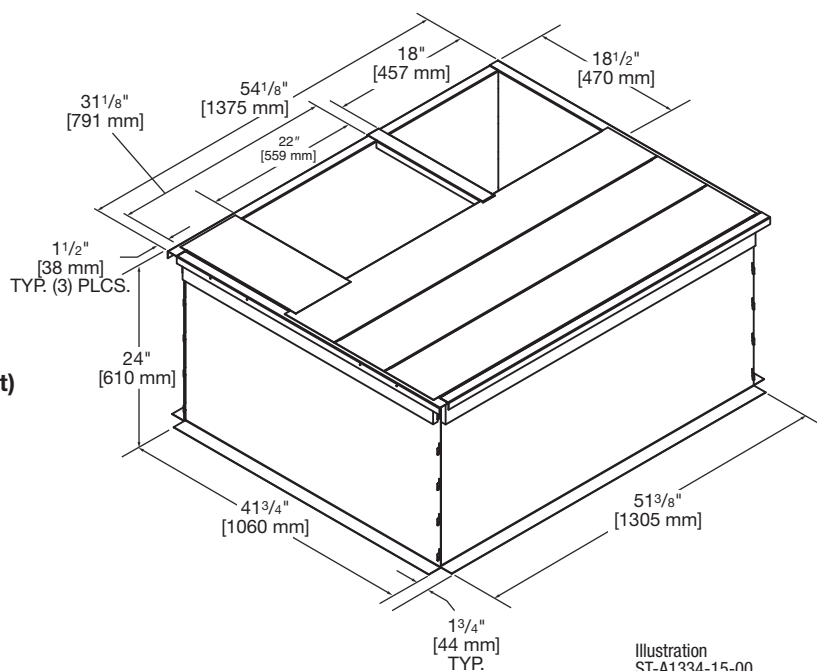
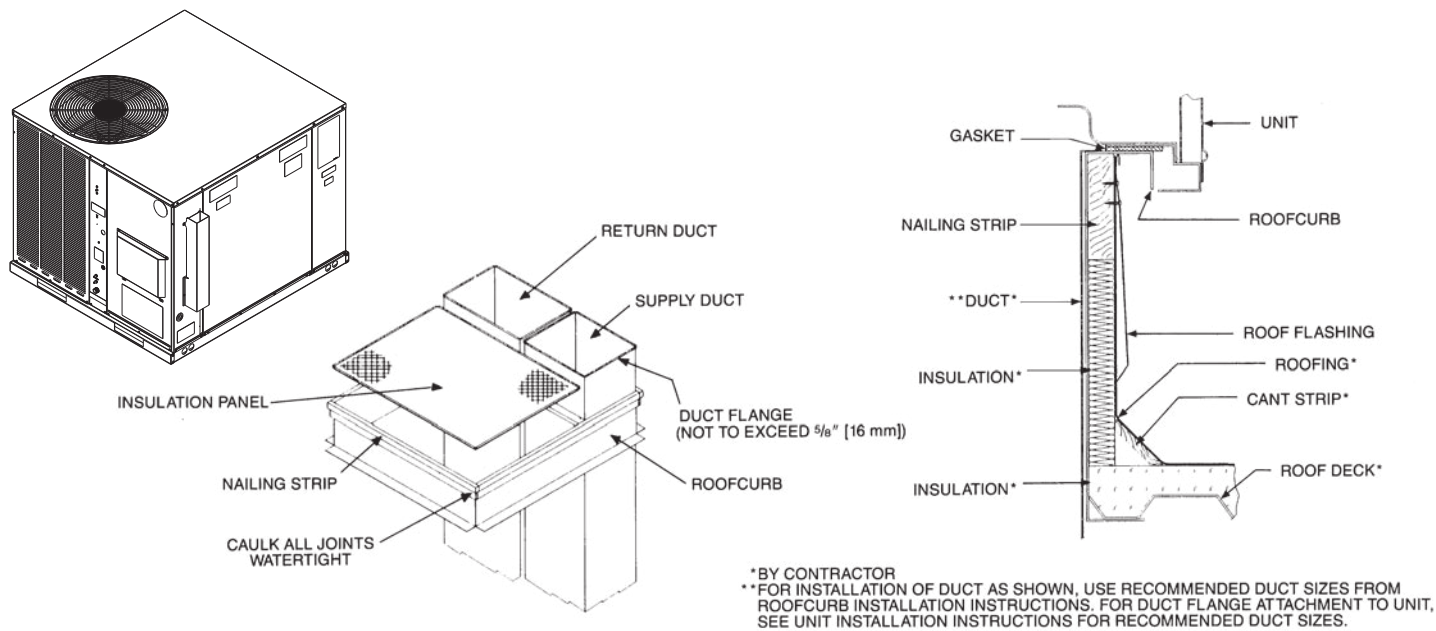


Illustration
ST-A1334-15-00

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

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.

OLD MODEL

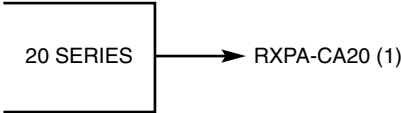
OLD CURB MODEL

"A" CABINET TO OLD MODEL
ROOF ADAPTER

"A" CABINET PACKAGE

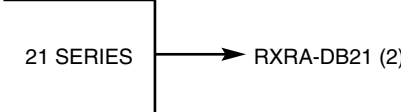
SMALL CABINET

(1½-2 TON) [5.28-7.03 KW]
RSNC-, RSND-, RSNE-
RRGE-, RRGF-, RRGG-, RSNY



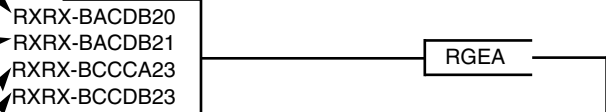
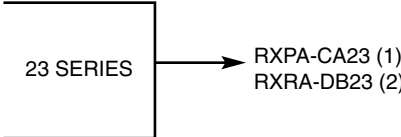
MEDIUM CABINET

(2½-3 TON) [8.79-10.55 KW]
RSNC-, RSND-, RSNE-
RRGE-, RRGF-, RRGG-, RSNY

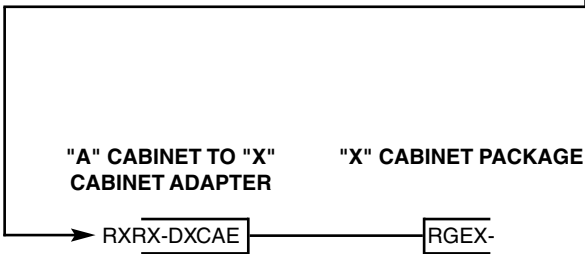


EXTRA LARGE CABINET

(3½-5 TON) [12.31-17.58 KW]
RSNC-, RSND-, RSNE-
RRGE-, RRGF-, RRGG-, RSNY
(4-5 TON) [14.07-17.58 kW]



(1) SLOPE TYPE
(2) FULL PERIMETER TYPE



[] 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

CAULK INSIDE OF CORNERS
(TYP. 4 PLACES) (304112) MATERIAL

$\frac{3}{4}$ "
[19 mm]

$20\frac{1}{2}$ "
[521 mm]

SHIP HOOD REMOVED

$15\frac{1}{8}$ "
[384 mm]

(304101) GASKET $\frac{1}{8}$ " [3.18 mm] x $\frac{1}{2}$ " [12.7 mm]
 $\frac{5}{8}$ " [15.87 mm] FLANGE ON BACK SIDE

$13\frac{3}{4}$ "
[349 mm]

12"
[305 mm]

CAULK INSIDE OF CORNERS
(TYP. 4 PLACES)
(304112) MATERIAL

.548"
[13.92 mm]

SHIP HOOD REMOVED

$21\frac{3}{16}$ "
[538.16 mm]

$15\frac{3}{4}$ "
[400.05 mm]

(304101) GASKET $\frac{1}{8}$ " [3.18 mm] x $\frac{1}{2}$ " [12.70 mm]
 $\frac{5}{8}$ " [15.87 mm] FLANGE ON BACK SIDE

$13\frac{3}{4}$ "
[349.25 mm]

$12\frac{63}{64}$ "
[329.83 mm]

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
- CO₂ sensor input for DCV (Demand Control Ventilation) applications
- RXRX-AV04 Dual Enthalpy kit available for field installation
- AMCA licensed class 1A low leak Dampers

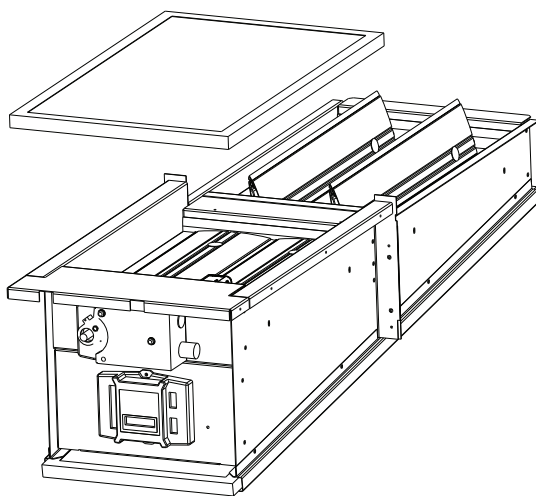
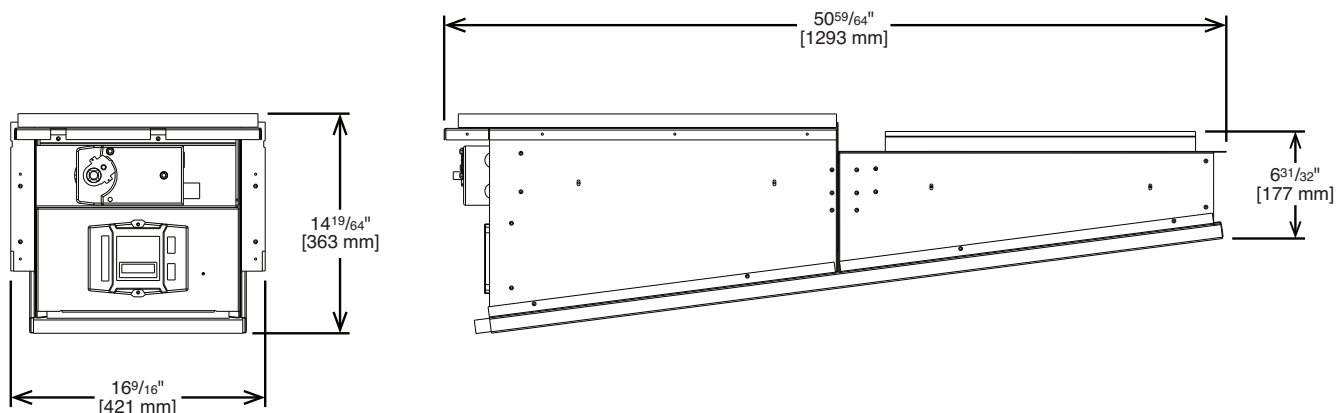
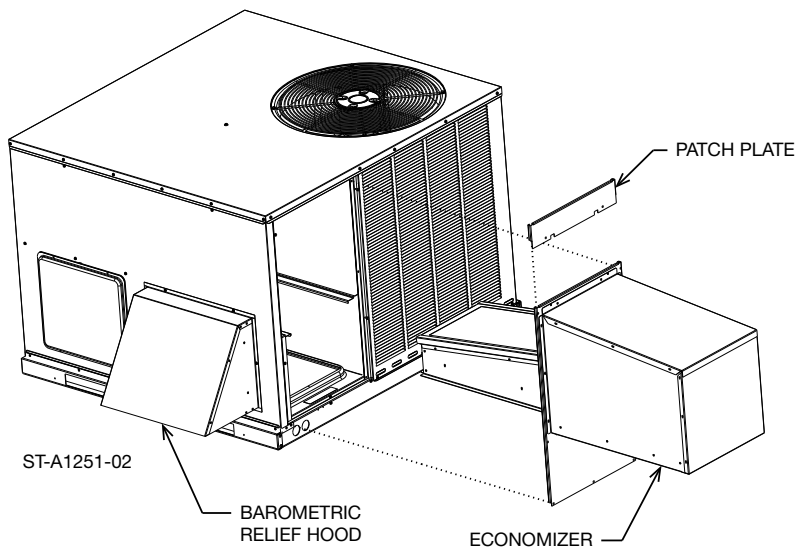


Illustration
ST-A1251-11

[] 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
- CO₂ sensor input for demand control ventilation (DCV) applications
- RXRX-BV03 dual enthalpy kit available for field installation
- AMCA licensed class 1A low leak dampers

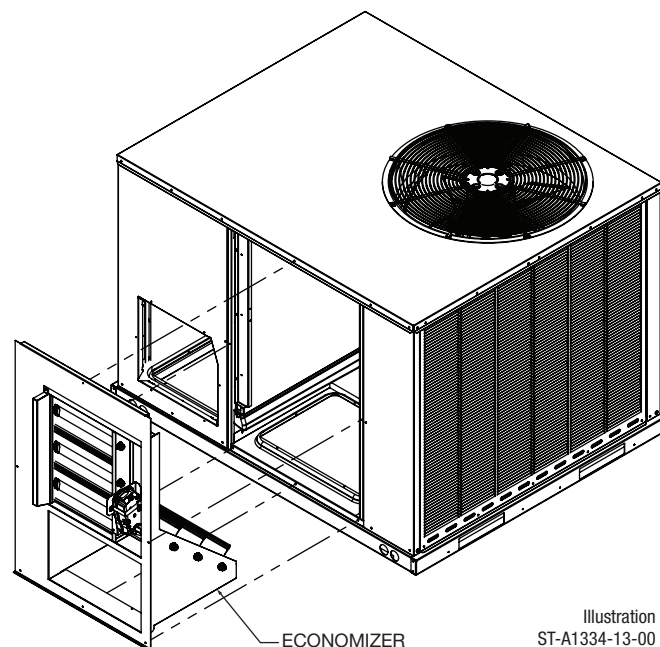


Illustration
ST-A1334-13-00

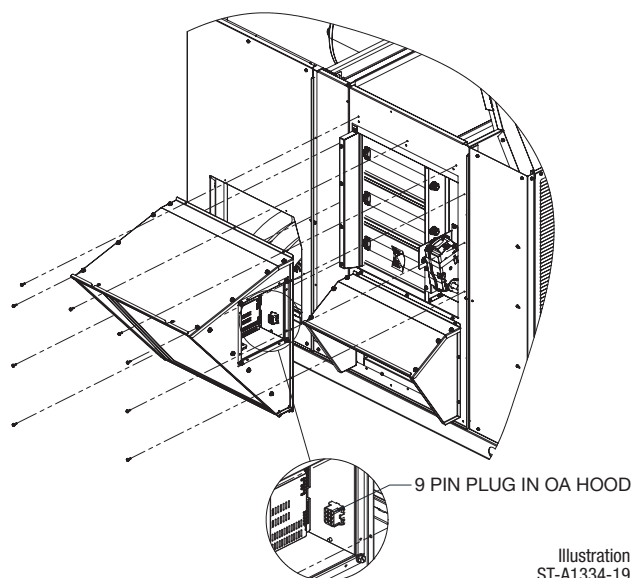
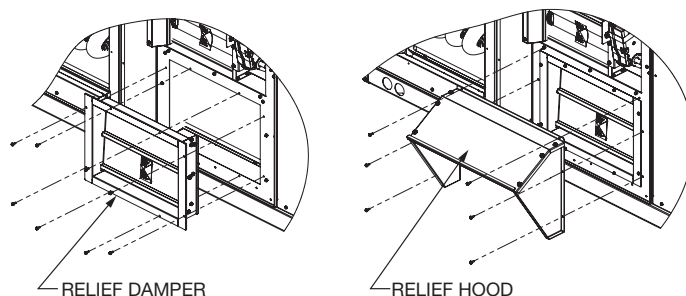


Illustration
ST-A1334-19

VERTICAL APPLICATION



HORIZONTAL APPLICATION

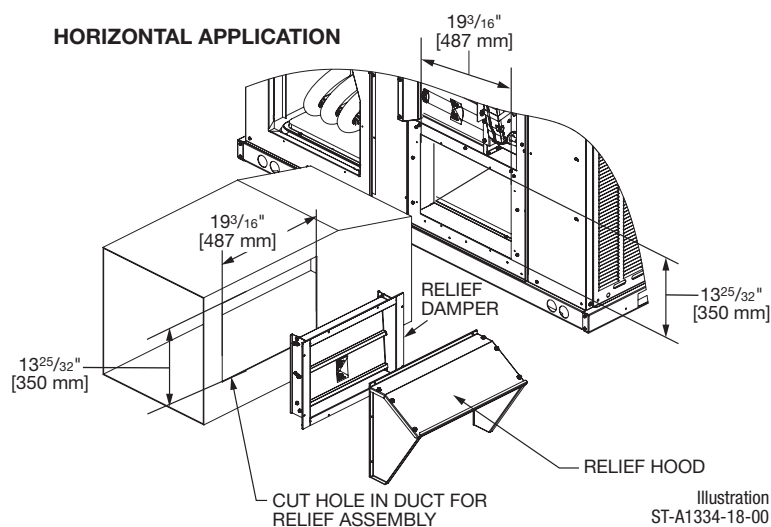
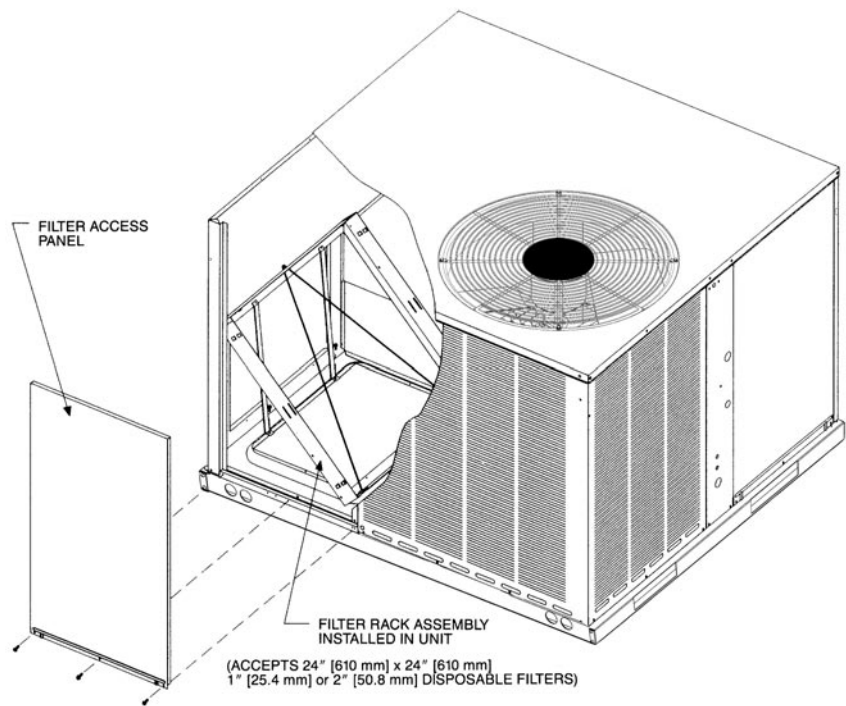


Illustration
ST-A1334-18-00

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

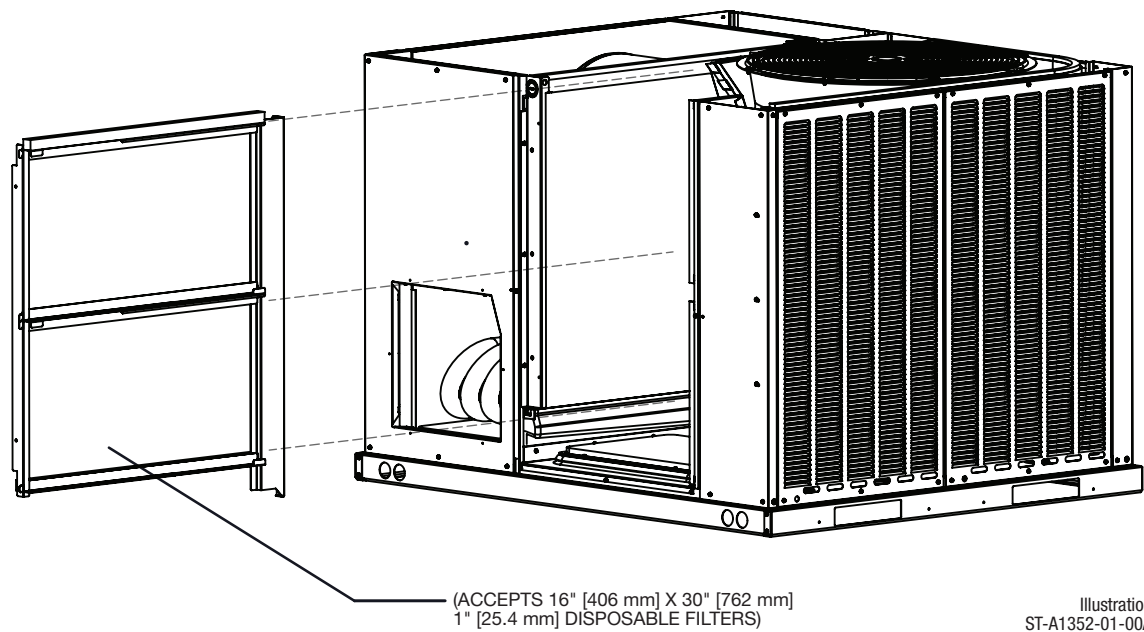


Illustration
ST-A1352-01-00A

[] Designates Metric Conversions

| 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



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

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 StandardTen (10) Years
Stainless Steel/1-Phase & 3-Phase Models
Commercial Application.....Twenty (20) Years
Stainless Steel/1-Phase Models
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)

1 Phase, Residential Applications.....Ten (10) Years

Compressor

1 Phase, Residential Applications.....Ten (10) Years

1 & 3 Phase, 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.

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