



**Russell**<sup>®</sup>  
By Rheem

PROJECT NAME \_\_\_\_\_  
LOCATION \_\_\_\_\_  
ARCHITECT \_\_\_\_\_  
ENGINEER \_\_\_\_\_  
CONTRACTOR \_\_\_\_\_  
SUBMITTED BY \_\_\_\_\_ DATE \_\_\_\_\_

**UNIT SUMMARY**

Quantity						
Unit Designation						
Model No.						
Total Cooling						
Sensible Cooling						
Air Ent. Evaporator						
Air Lvg. Evaporator						
Heating Input						
Heating Output						
CFM/ESP						
EER/SEER						
Electrical						
Minimum Ampacity						
Min.-Max. Breaker						
Net Unit Weight						
Accessory						
Catalog Form Number						

**ACCESSORIES:**

**NOTES:**

# Vantix™ Line RACAZR iR Packaged Gas Electric Cooling Efficiencies up to: 13.4 SEER2 Nominal Sizes: 2–5 Ton [7.03 kW–17.58 kW]

JOB NAME \_\_\_\_\_ LOCATION \_\_\_\_\_  
 CONTRACTOR \_\_\_\_\_ ORDER NO. \_\_\_\_\_  
 ENGINEER \_\_\_\_\_ UNIT MODEL NO. \_\_\_\_\_  
 SUBMITTED FOR  APPROVAL  RECORD COIL MODEL NO. \_\_\_\_\_  
 DATE \_\_\_\_\_ AIR HANDLER MODEL NO. \_\_\_\_\_

## UNIT DIMENSIONS FOR PACKAGE AIR CONDITIONERS 3 TO 5 TON [10.6 TO 17.6 kW] MODELS

### UNIT DATA

#### COOLING PERFORMANCE

TOTAL CAPACITY\* ..... MBH  
 SENSIBLE CAPACITY\* ..... MBH  
 OUTDOOR DESIGN TEMP. .... °F [°C] DB/WB  
 TOTAL SUPPLY AIR ..... CFM [L/s]  
 TEMP. OF AIR ENTERING EVAPORATOR COIL ..... °F [°C] DB/WB  
 POWER INPUT REQUIREMENT ..... kW  
 SEER/EER RATING .....  
 (\*uses blower motor heat)

#### ELECTRIC HEAT PERFORMANCE

ELECTRIC HEAT CAPACITY ..... kW

#### SUPPLY AIR BLOWER PERFORMANCE

TOTAL SUPPLY AIR ..... CFM [L/s]  
 TOTAL RESISTANCE EXTERNAL TO UNIT ..... IWG  
 BLOWER SPEED ..... RPM  
 POWER OUTPUT REQUIREMENT ..... BHP  
 MOTOR RATING ..... HP [W]  
 POWER INPUT REQUIREMENT ..... kW

#### ELECTRICAL DATA

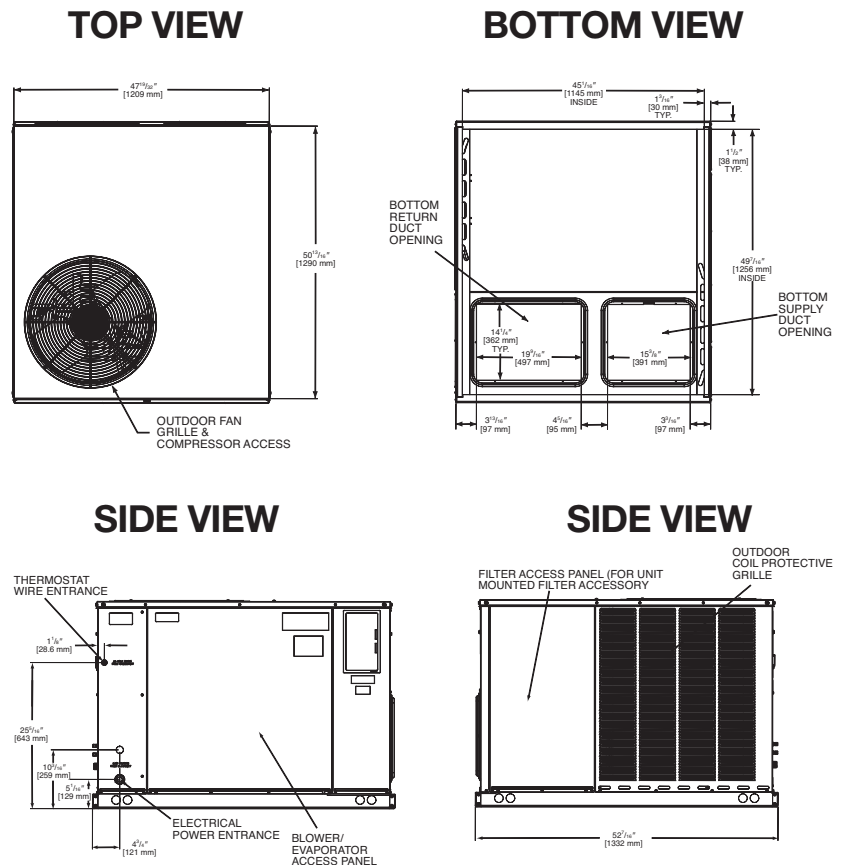
POWER SUPPLY ..... / /  
 TOTAL UNIT AMPACITY ..... AMPS  
 MINIMUM WIRE SIZE ..... AWG  
 MAXIMUM OVERCURRENT DEVICE FUSES HACR BREAKER ..... AMPS

#### TOTAL UNIT WEIGHT

TOTAL OPERATING WEIGHT ..... LBS [kg]  
 (including field-installed accessories)

#### CLEARANCES

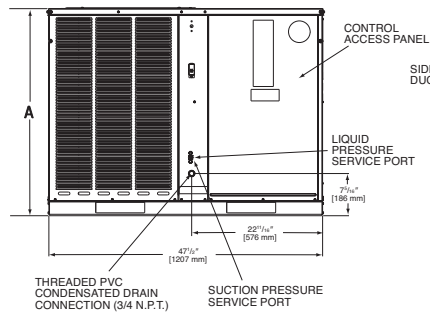
FRONT	48" [1219 mm]
CONDENSER COIL	18" [457 mm]
DUCT SIDE	12" [305 mm]
EVAPORATOR END	36" [914 mm]
ABOVE UNIT	60" [1524 mm]



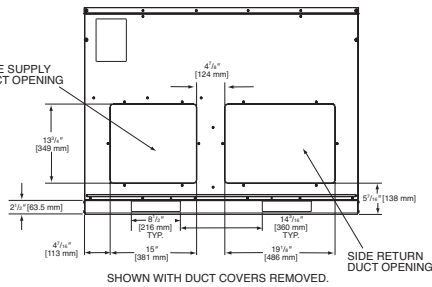
[ ] Designates Metric Conversions



## FRONT VIEW



## REAR VIEW



Model #	Height "A"
024, 030, 036, 042	35 <sup>15</sup> / <sub>16</sub>
048, 060	41

### IMPORTANT:

Unit must be level to prevent water migration.

[ ] Designates Metric Conversions

## FEATURES

- All models feature Scroll® compressors for maximum efficiency and quiet operation.
- Louvered condenser compartment to protect the coil against yard hazards and/or weather extremes.
- One-piece top with a drip flange to help keep water out of the unit.
- Drawn supply and return air openings feature a one-inch tall flange to prevent water migration into the ductwork.
- Access panels have "weep holes" and channels to further help manage water run-off.
- All models are shipped ready for horizontal application.
- Easily accessible blower section complete with slide-out blower.
- Refrigerant connections are conveniently located for easy service diagnostics.
- 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.

- Supplemental electric heat strips up to 15 kW are available (field installed) for periods of extreme cold temperatures. Single point wiring simplifies installation.
- Easily accessible control box.
- Thermal expansion valve standard on all models for superior superheat control, reliability, and energy efficiency at all operating conditions.
- Solid core liquid line. Filter drier standard on all models (not shown).
- Rugged baserail included for improved installation and handling.
- Molded compressor plug.
- Complete factory charged, wired and run tested.
- A double sloped evaporator coil drain pan assures all water is removed from the unit to improve indoor air quality.

## ACCESSORIES

- |  |                          |   |                          |
|--|--------------------------|---|--------------------------|
| Roofcurb RXSG-AAA08 (8" [203 mm] Height).....                                      | <input type="checkbox"/> | Rectangular to Round Transition (Downflow)<br>RXMC-CA03 (18" [457mm] Ducts) ..... | <input type="checkbox"/> |
| Roofcurb RXSG-AAA14 (14" [356 mm] Height).....                                     | <input type="checkbox"/> | Filter Kit RXRY-B01 .....   | <input type="checkbox"/> |
| Supply & Return Diffusers RXRN-BD15 .....  | <input type="checkbox"/> | Sideflow Rectangular to Round Transition AXMC-BA01.....                           | <input type="checkbox"/> |
| Economizers (Convertible) AXRD-01RACAM3.....                                       | <input type="checkbox"/> | Low Ambient Control RXRZ-B01 .....  | <input type="checkbox"/> |
| Fresh Air Damper AXRF-FAB1 (Motorized-35%).....                                    | <input type="checkbox"/> | High Pressure Control RXAB-E01<br>(standard on RACAZR) .....                      | <input type="checkbox"/> |
| Fresh Air Damper ASRF-FAA1 (Fixed 35%).....  | <input type="checkbox"/> | Low Pressure Control RXAC-C01 .....   | <input type="checkbox"/> |
| Rectangular to Round Transition (Downflow)<br>RXMC-CA02 (16" [406 mm] Ducts) ..... | <input type="checkbox"/> |   |                          |

**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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