



**Russell**<sup>TM</sup>  
By Rheem

## SUBMITTAL COVER SHEET

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:**

# SUBMITTAL SHEET FOR PACKAGE AIR CONDITIONERS

## RACA14- 14 SEER Series, RACA15- 15 SEER Series

### Nominal Sizes 3-5 Tons [10.6-17.6 kW]

JOB NAME \_\_\_\_\_ SUBMITTED FOR  APPROVAL  RECORD

CONTRACTOR \_\_\_\_\_ SUBMITTED BY \_\_\_\_\_

ENGINEER \_\_\_\_\_ DATE \_\_\_\_\_

LOCATION \_\_\_\_\_ UNIT DESIGNATION \_\_\_\_\_

ORDER NO. \_\_\_\_\_ MODEL NO. \_\_\_\_\_

#### 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

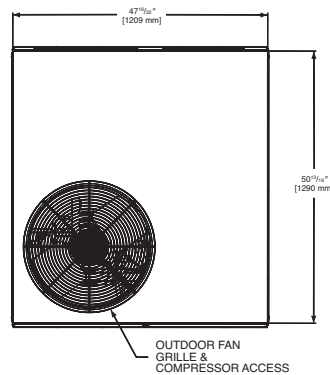
TOTAL OPERATING WEIGHT ..... LBS [kg]  
(including field-installed accessories)

##### CLEARANCES

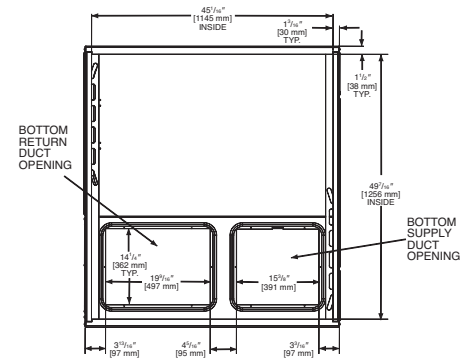
FRONT	48" [1219 mm]
CONDENSER COIL	18" [457 mm]
DUCT SIDE	12" [305 mm]
EVAPORATOR END	36" [914 mm]
ABOVE UNIT	60" [1524 mm]

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

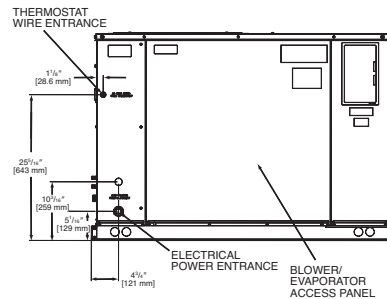
TOP VIEW



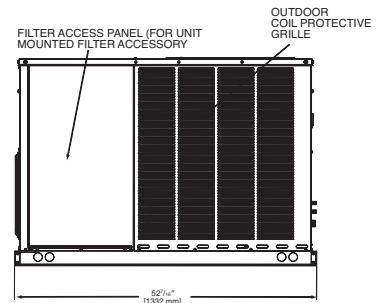
BOTTOM VIEW



SIDE VIEW



SIDE VIEW



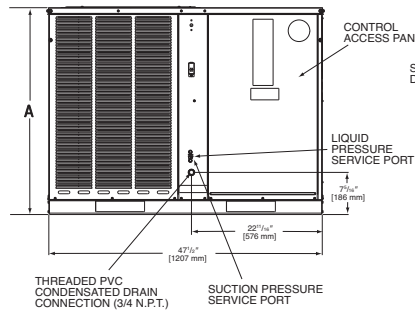
[ ] Designates Metric Conversions



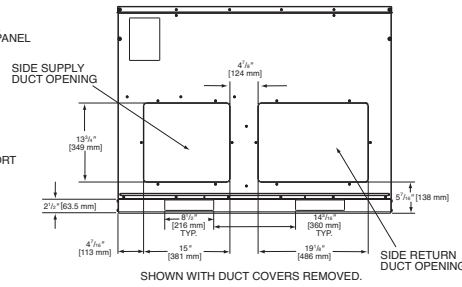
(14 SEER and Above)



## 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. The 5-Ton RACA15 model features Scroll UltraTech™ 2-Stage compressors with Comfort Alert™ diagnostics (see below), high/low pressure switches, and hard start kit.
- Louvered condenser compartment to protect the coil against yard hazards and/or weather extremes.
- One-piece top with a drip lip to help keep water off of the unit sides.
- 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.
- Side and down discharge options available on all models.
- Easily accessible blower section complete with slide-out blower.
- Externally mounted 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. Its easier to clean and has a more robust surface.

- Supplemental electric heat strips up to 15 kW are available (field or factory installed) for periods of extreme cold temperatures. Single point wiring simplifies installation.
- All units feature an internal trap on the condensate line eliminating the need for installing an on-site external trap.
- 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.

## FEATURES

- Economizers
- Sideflow Only .....
  - Downflow Only .....
- Fresh Air Dampers
- Manual .....
  - Motorized .....
- Supply & Return Diffusers .....
- Filter Kit .....

- Roofcurbs .....
- Low Ambient Control .....
- Rectangular to Round Transition .....
- Roofcurb Adaptors .....
- High Pressure Control .....
- Low Pressure Control .....
- Thermostat.....



**Russell™ By Rheem**

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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.