



**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 RACBZR iR Packaged Air Conditioner

## 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 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

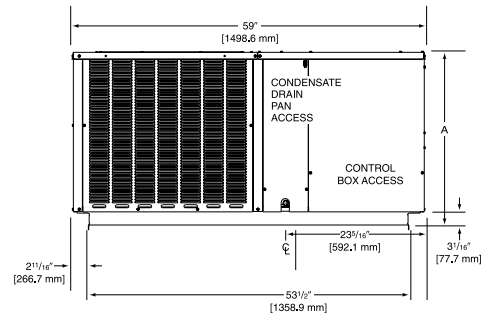
FRONT	48" [1219 mm]
CONDENSER COIL	18" [457 mm]
DUCT SIDE	12" [305 mm]
EVAPORATOR END	36" [914 mm]
ABOVE UNIT	60" [1524 mm]

### UNIT DIMENSIONS FOR PACKAGE AIR CONDITIONERS 2 TO 5 TON [7.3 TO 17.6 kW] MODELS

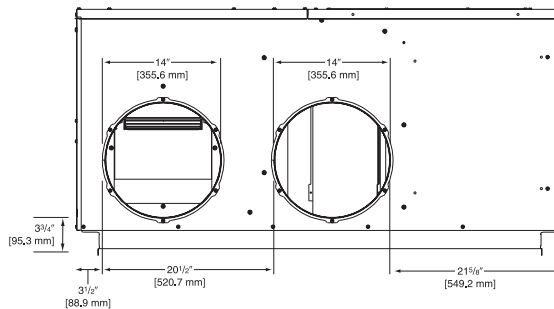
#### DIMENSIONS

Model	Height "A"
024, 030, 036, 042	29 1/8"
048, 060	37 1/8"

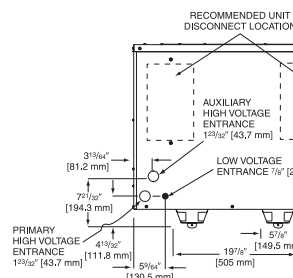
#### FRONT VIEW



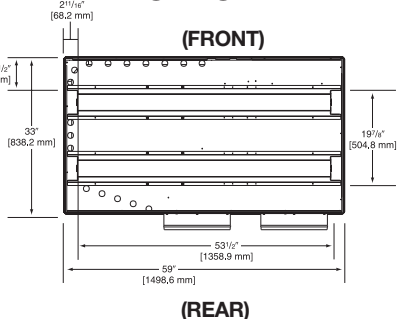
#### REAR VIEW



#### ELECTRICAL CONNECTIONS



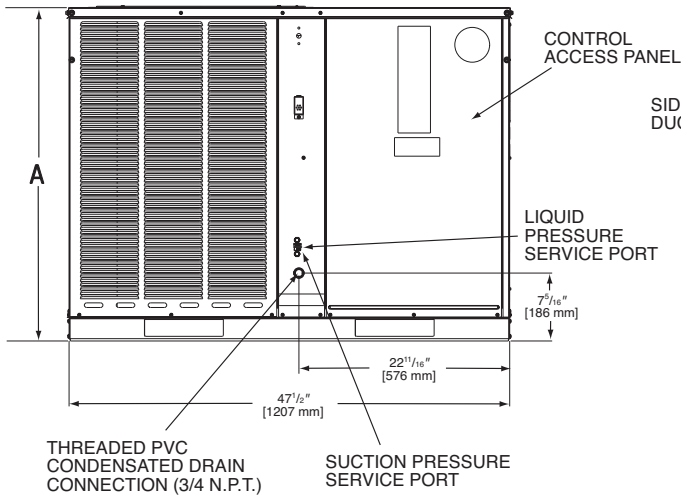
#### BOTTOM VIEW



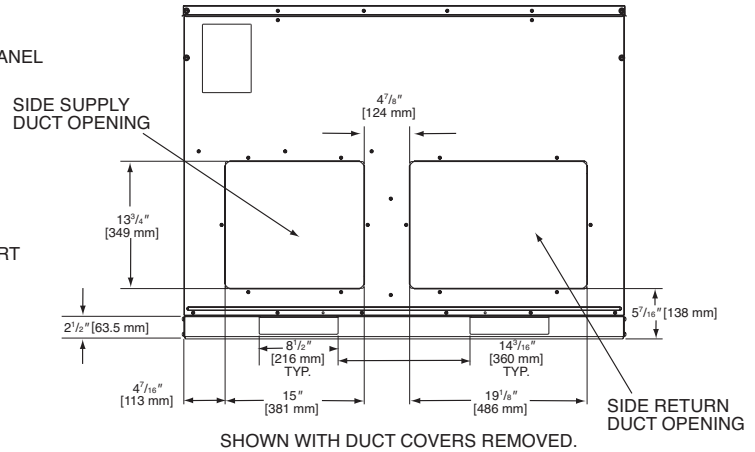
[ ] Designates Metric Conversions



## FRONT VIEW



## REAR VIEW



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

**IMPORTANT:**  
Unit must be level to  
prevent water migration.

[ ] Designates Metric Conversions

## FEATURES

### Performance

- Micro-channel refrigerant system – uses up to 58% less refrigerant than other models for superior heat transfer capabilities and better performance

### Installability

- Dedicated horizontal airflow<sup>1</sup>
- Single-point wiring – simplifies installation
- Zero-clearance capability – makes space-constrained installations easy

<sup>1</sup>RACBZR products are dedicated horizontal

### Serviceability

- Copper refrigerant connections – create a reliable and familiar braze joint
- Control box mounted refrigerant gauge ports for “tool required” service access
- Slide-out blower – makes removal easier

**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.**

5600 Old Greenwood Road  
Fort Smith, Arkansas 72908

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