



Russell[®]
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 SA16AZ iM Air Conditioners

Cooling Efficiencies up to: 17.0 SEER2/10.5 EER2

Nominal Sizes: 2 to 5 Ton [7.0 to 17.6 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

EFFICIENCY SEER

TOTAL CAPACITY* MBH [kW]

SENSIBLE CAPACITY* MBH [kW]

OUTDOOR DESIGN TEMP..... °F [°C] DB

TEMP. OF AIR ENTERING
EVAPORATOR COIL °F [°C] DB

..... °F [°C] WB

POWER INPUT REQUIREMENT kW
(*uses blower motor heat)

HEATING PERFORMANCE

EFFICIENCY HSPF

TOTAL CAPACITY* MBH [kW]

OUTDOOR DESIGN TEMP..... °F [°C] DB

TEMP. OF AIR ENTERING
EVAPORATOR COIL °F [°C] DB

SUPPLY AIR BLOWER PERFORMANCE

TOTAL AIR SUPPLY..... 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 Hz

TOTAL UNIT AMPACITY..... AMPS

MINIMUM WIRE SIZE AWG

MAXIMUM OVERCURRENT DEVICE
FUSES/HACR BREAKER AMPS

CLEARANCES

ACCESS SIDE 24" [609.6 mm]

AIR INLETS 12" [304.8 mm]

ABOVE UNIT 60" [1524 mm]



FEATURES

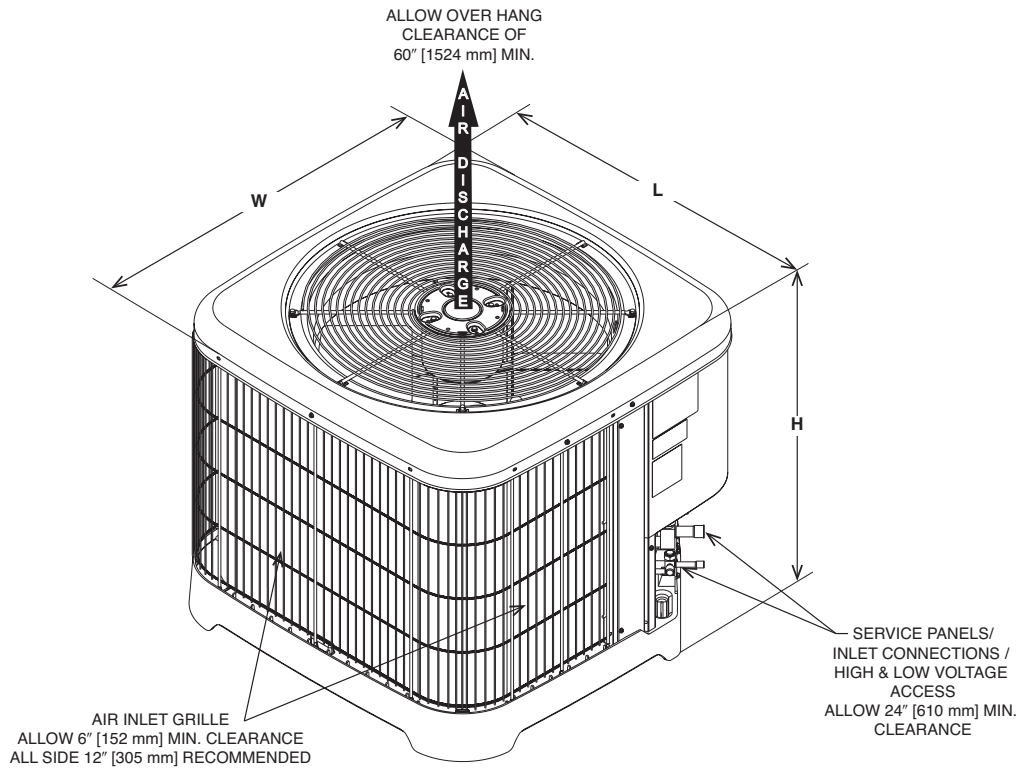
- **EcoNet® Enabled:** Automatic system configuration and optimization
- **Diagnostics & Bluetooth®¹ Connectivity:** With the Contractor & EcoNet® Apps, built-in technology makes advanced set-up, monitoring, troubleshooting and repairing the product easier than ever before
- **Variable Speed Twin Rotary Compressor & Inverter Drive:** Features Inverter operation from 40 to 100% capacity with the EcoNet® Smart Thermostat
- **3-Speed Operation:** When installed with a 24V two-stage thermostat
- **Provides Precise Temperature Control:** Advanced humidity control and greater efficiency
- **Brushless DC Condenser Motors (BLDC):** Enhances reliability and allows for easier serviceability
- **Swept Wing Fan Technology:** Features quieter operation and improved unit acoustics
- **7mm Condenser Copper Coil:** Requires less refrigerant allowing for a smaller and lighter footprint while enhancing reliability
- **Expanded Valve Space:** 3 in. – 4 in. – 5 in. service valve space—provides a minimum working area of 27-square inches for easier access
- **Triple Service Access:** 15 in. wide, industry leading corner service access, two fastener, removeable corner and individual louver panels—makes repairs easier and faster

ACCESSORIES/OPTIONS

- Compressor Crankcase Heater.....
- Low Ambient Control.....
- Compressor Sound Cover.....
- Compressor Hard Start Kit.....
- Compressor Time Delay.....
- Low Pressure Control.....
- High Pressure Control.....

¹The 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.





ST-A1226-24-00

Unit Dimensions

MODEL NO.	OPERATING						SHIPPING					
	H (Height)		L (Length)		W (Width)		H (Height)		L (Length)		W (Width)	
	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm
SA16AZ24AJ3	27.00	686	29.75	756	29.75	756	28.50	724	32.38	822	32.38	822
SA16AZ36AJ3	27.00	686	33.75	857	33.75	857	28.50	724	36.38	924	36.38	924
SA16AZ48AJ3	31.00	787	33.75	857	33.75	857	32.50	826	36.38	924	36.38	924
SA16AZ60AJ3	31.00	787	35.75	908	35.75	908	32.50	826	38.38	975	38.38	975

[] Designates Metric Conversions

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.

Rheem Sales Company, Inc.
5600 Old Greenwood Road
Fort Smith, Arkansas 72908