



RELY ON RUUD.™

# 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 RA14 SERIES 1 1/2 TO 5 NOMINAL TON [5.28 TO 17.6 kW], EFFICIENCIES UP TO 16 SEER/13 EER AIR CONDITIONER

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

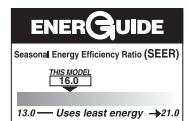
ACCESS SIDE                      24" [609.6 mm]  
 AIR INLETS                        12" [304.8 mm]  
 ABOVE UNIT                        60" [1524 mm]

## FEATURES FOR RA14 SERIES AIR CONDITIONER UNITS

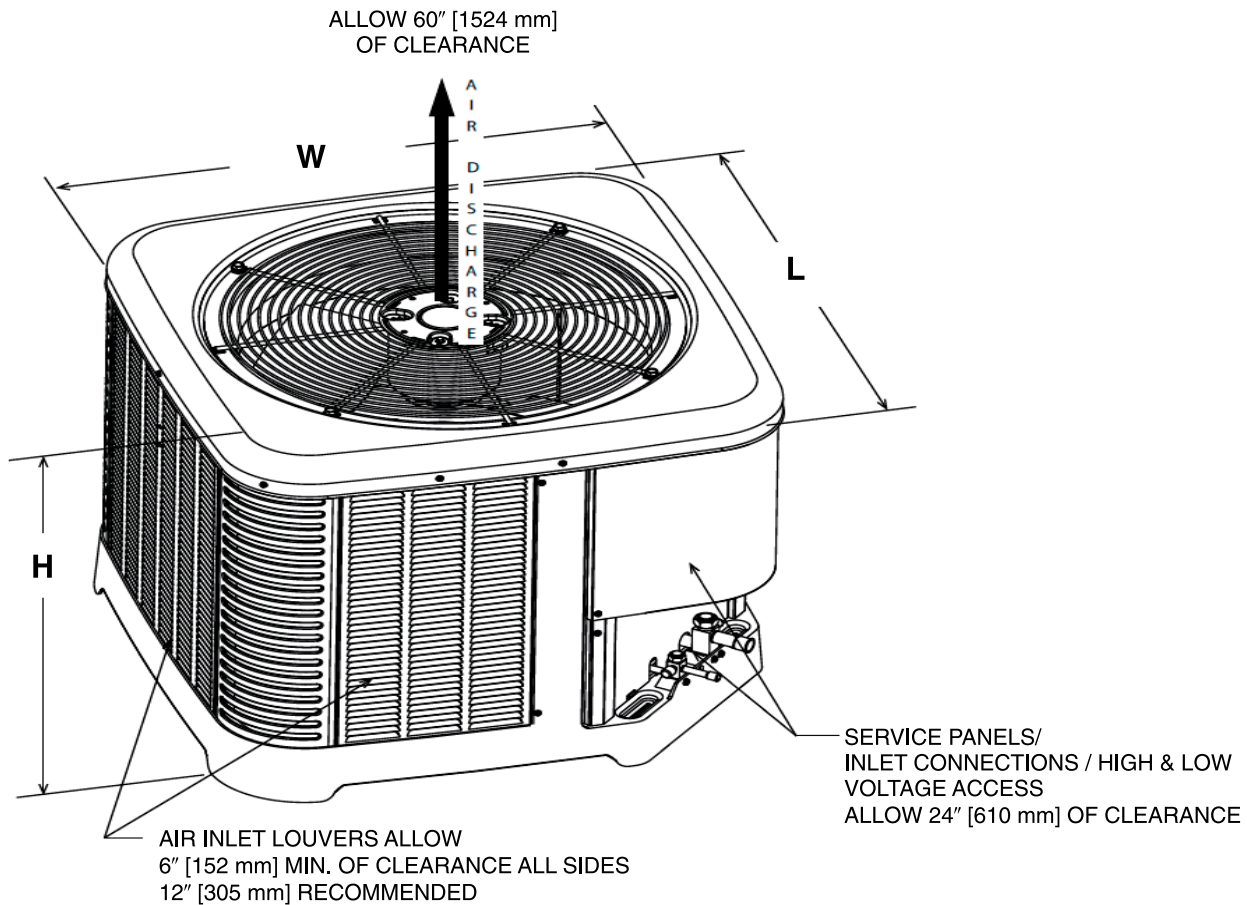
- New composite base pan – dampens sound, captures louver panels, eliminates corrosion and reduces number of fasteners needed
- Powder coat paint system – for a long lasting professional finish
- Scroll compressor – uses 70% fewer moving parts for higher efficiency and increased reliability
- Modern cabinet aesthetics – increased curb appeal with visually appealing design
- Curved louver panels – provide ultimate coil protection, enhance cabinet strength, and increased cabinet rigidity
- Optimized fan orifice – optimizes airflow and reduces unit sound
- Rust resistant screws – confirmed through 1500-hour salt spray testing
- PlusOne™ **Expanded Valve Space** – 3"-4"-5" service valve space – provides a minimum working area of 27-square inches for easier access
- PlusOne™ **Triple Service Access** – 15" wide, industry leading corner service access – makes repairs easier and faster. The two fastener removable corner allows optimal access to internal unit components. Individual louver panels come out once fastener is removed, for faster coil cleaning and easier cabinet reassembly
- Diagnostic service window with two-fastener opening – provides access to the high and low pressure.
- External gauge port access – allows easy connection of "low-loss" gauge ports
- Single-row condenser coil – makes unit lighter and allows thorough coil cleaning to maintain "out of the box" performance
- 35% fewer cabinet fasteners and fastener-free base – allow for faster access to internal components and hassle-free panel removal
- Service trays – hold fasteners or caps during service calls
- QR code – provides technical information on demand for faster service calls
- Fan motor harness with extra long wires allows unit top to be removed without disconnecting fan wire.

## ACCESSORIES/OPTIONS

- Compressor Crankcase Heater .....   
 Low Ambient Control (Model No. RXAD-A08) .....   
 Compressor Sound Cover .....   
 Compressor Hard Start Kit .....   
 Classic Top Cap w/label (91-101123-21) .....



RA14 18, 24, 30,  
36, 42, 48, 60



ST-A1226-02-00

## 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
RA1418	25	635	29.75	755	29.75	755	26.75	679	32.38	822	32.38	822
RA1424	25	635	29.75	755	29.75	755	26.75	679	32.38	822	32.38	822
RA1430	27	685	29.75	755	29.75	755	28.75	679	32.38	822	32.38	822
RA1436	27	685	33.75	857	33.75	857	28.75	730	36.38	986	36.38	986
RA1442	27	685	35.75	908	35.75	908	28.75	730	38.38	986	38.38	986
RA1448	31	787	35.75	908	35.75	908	32.75	730	38.38	986	38.38	986
RA1460	35	889	35.75	908	35.75	908	36.75	730	38.38	986	38.38	986

[ ] 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.

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"In keeping with its policy of continuous progress and product improvement, Rheem reserves the right to make changes without notice."