



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:**

# RHMV SIDE DISCHARGE AIR HANDLER EFFICIENCIES UP TO 19 SEER

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

## UNIT DATA

### COOLING PERFORMANCE

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

### HEATING PERFORMANCE

TOTAL CAPACITY\* ..... MBH [kW]  
 OUTDOOR DESIGN TEMP. .... °F [°C] DB  
 TEMP. OF AIR ENTERING  
 EVAPORATOR COIL ..... °F [°C] DB  
 ELECTRIC HEAT CAPACITY ..... kW  
 POWER INPUT REQUIREMENT ..... kW  
 (\*uses blower motor heat)

### 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

SERVICE ACCESS FRONT 24" [609.6 mm]

## FEATURES FOR RHMV AIR HANDLERS EFFICIENCIES UP TO 19 SEER

- The RHMV Air Handler is part of a new line of smart heating, cooling and water heating products.
- Features a constant CFM variable speed motor (ECM) which provides enhanced SEER performance. The RHMV is rated with RP17\*\*H heat pumps.
- Evaporator is constructed of aluminum fins bonded to internally grooved aluminum tubing.
- Versatile 4-way convertible design for upflow, downflow, horizontal left and horizontal right applications.
- Factory-installed indoor coil.
- Sturdy cabinet construction with 1.0 inch [25.4 mm] of foil faced insulation for excellent sound and insulating characteristics.
- Field-installed auxiliary electric heater kits provide exact heat for indoor comfort. Kits include circuit breakers which meet U.L. and cUL requirements for service disconnect.
- 2 ton [7.0 kW] through 4 ton [14.1 kW] models are between 42½ to 57 inches [1080 to 1448 mm] tall and 22 inches [559 mm] deep.
- All models meet or exceed 330 to 400 CFM [156 to 189 L/s] per ton at .3 inches [.7 kPa] of external static pressure.
- Enhanced airflow up to .7" external static pressure.
- Cabinet air leakage less than 2.0% at 1.0 inch H<sub>2</sub>O when tested in accordance with ASHRAE Standard 193.

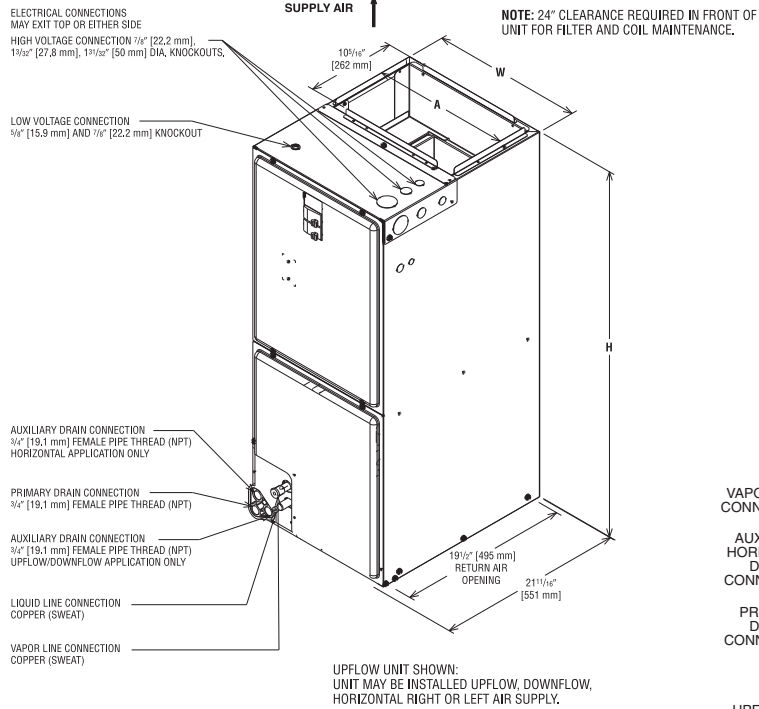
[ ] Designates Metric Conversions



9001:2015



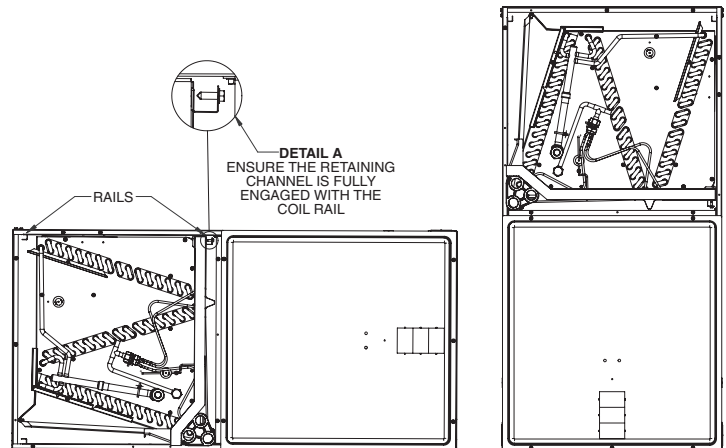
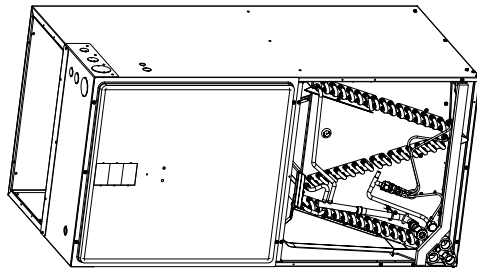
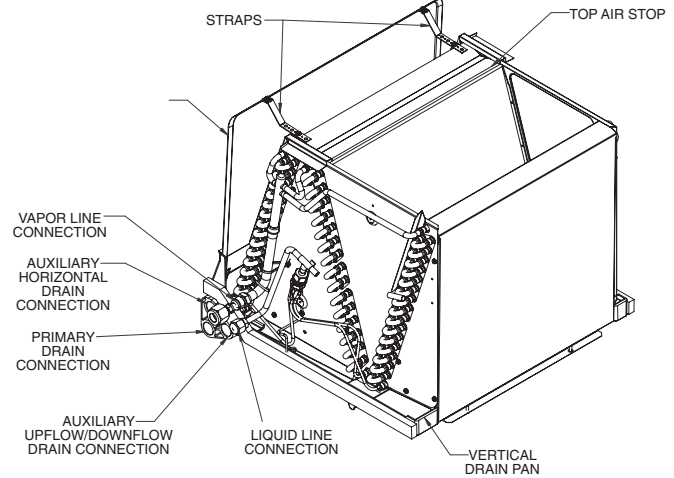
# Unit Dimensions



## Return Air Opening Dimensions

Model Cabinet Size	Return Air Opening Width (Inches)	Return Air Opening Depth/Length (Inches)
21	19 3/8	19 3/4

FIGURE 7 INDOOR COIL DRAIN PAN SET-UP



[ ] Designates Metric Conversions  
( ) Designates Unit with Double Coil Cabinet

## Unit Dimensions & Weights

Model Size RHMV	Refrigerant Connections Sweat (In.) [mm] ID		Unit Height H In. [mm]	Unit Width W In. [mm]	Supply Duct A In. [mm]	Unit Weight/Shipping Weight (Lbs.) [kg]
	Liquid	Vapor				Unit With Coil (Max. KW)
2421MN, 3021SN	3/8 [9.53]	3/4 [19.05]	42 1/2 [1080]	21 [533.4]	19 1/2 [495.3]	111/126 [50/57]
3621MN, 4821SN	3/8 [9.53]	7/8 [22.23]	57 [1448]	21 [533.4]	19 1/2 [495.3]	141/153 [64/69]

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, AR 72908

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