



The new degree of comfort.™

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:



INTEGRATED HOME COMFORT

SUBMITTAL SHEET FOR HIGH EFFICIENCY MODULATING ECONET ENABLED AIR HANDLER RHMV SERIES EFFICIENCIES UP TO 20.5 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 20.5 SEER

- The RHMV Air Handler is part of a new line of smart heating, cooling and water heating products. The latest in sensor technology and a powerful EcoNet® monitoring system, provides homeowners with a new level of protection, control and energy savings. Smart heating, cooling and water heating products will alert the homeowner if there is ever an issue via the EcoNet Smart Thermostat and the EcoNet Mobile app*. The EcoNet Mobile App makes it easy for homeowners to manage their home comfort environment at home or on-the-go,* while enjoying the convenience and savings benefits of a highly efficient system.
- The RHMV features an Electronic Expansion Valve (EEV)
- Features a constant CFM variable speed motor (ECM) which provides enhanced SEER performance. The RHMV is rated with RA17, RA20 air conditioners and RP17, RP20 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.
- 1-1/2 ton [5.3 kW] through 5 ton [17.6 kW] models are between 42 1/2 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 H2O when tested in accordance with ASHRAE Standard 193.

*WiFi broadband internet connection required. Download the EcoNet App from the App Store or Google Play to set up your EcoNet Smart Thermostat. Receipt of notification depend on home WiFi set up. WiFi broadband internet connection required.

[] Designates Metric Conversions



Unit Dimensions

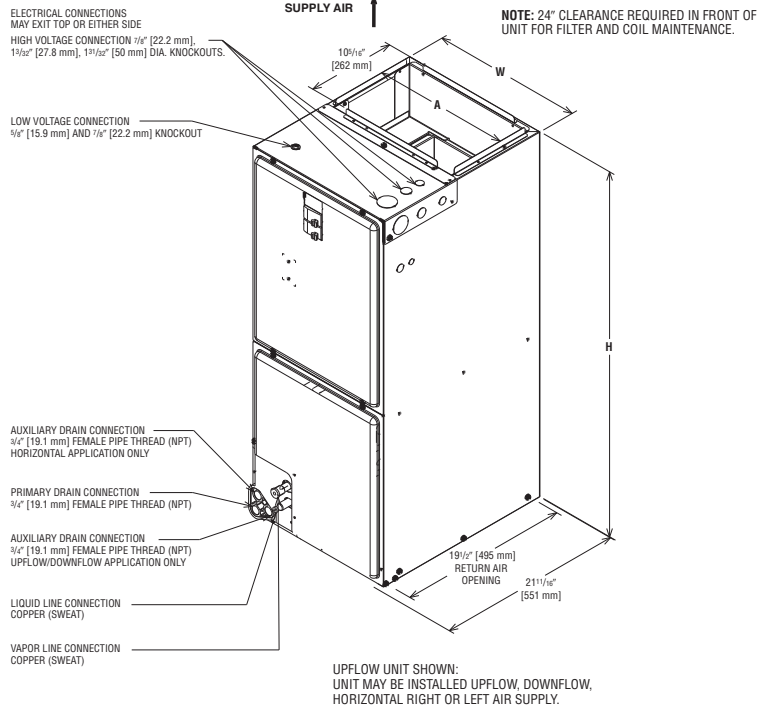
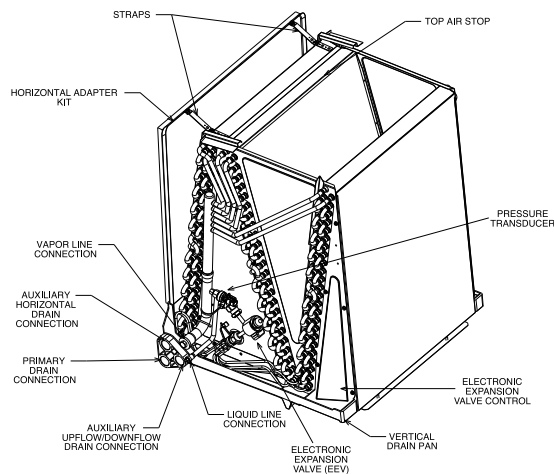
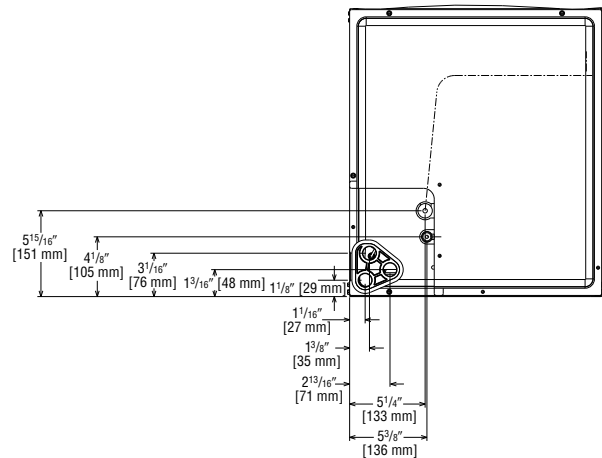


FIGURE 7
INDOOR COIL AND DRAIN PAN SET-UP



Return Air Opening Dimensions

Model Cabinet Size	Return Air Opening Width (Inches)	Return Air Opening Depth/Length (Inches)
17	15 ⁷ / ₈	19 ³ / ₄
21	19 ³ / ₈	19 ³ / ₄
24	22 ⁷ / ₈	19 ³ / ₄



[] 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)
2417SE	3/8 [9.53]	3/4 [19.05]	42 1/2 [1080]	17 1/2 [444.5]	16 [406.4]	92/106 [42/48]
2421ME	3/8 [9.53]	3/4 [19.05]	42 1/2 [1080]	21 [533.4]	19 1/2 [495.3]	111/126 [50/57]
2421HE	3/8 [9.53]	7/8 [22.23]	55 1/2 [1410]	21 [533.4]	19 1/2 [495.3]	130/146 [59/66]
2421UE	3/8 [9.53]	7/8 [22.23]	57 [1448]	21 [533.4]	19 1/2 [495.3]	641/153 [64/69]
3617SE	3/8 [9.53]	3/4 [19.05]	42 1/2 [1080]	17 1/2 [444.5]	16 [406.4]	96/110 [44/50]
6021SE	3/8 [9.53]	7/8 [22.23]	57 [1448]	21 [533.4]	19 1/2 [495.3]	141/153 [64/69]
6024ME	3/8 [9.53]	7/8 [22.23]	55 1/2 [1410]	24 1/2 [622.3]	23 [584.0]	161/178 [73/81]

*Maximum dehumidification airflow.

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.

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