



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:

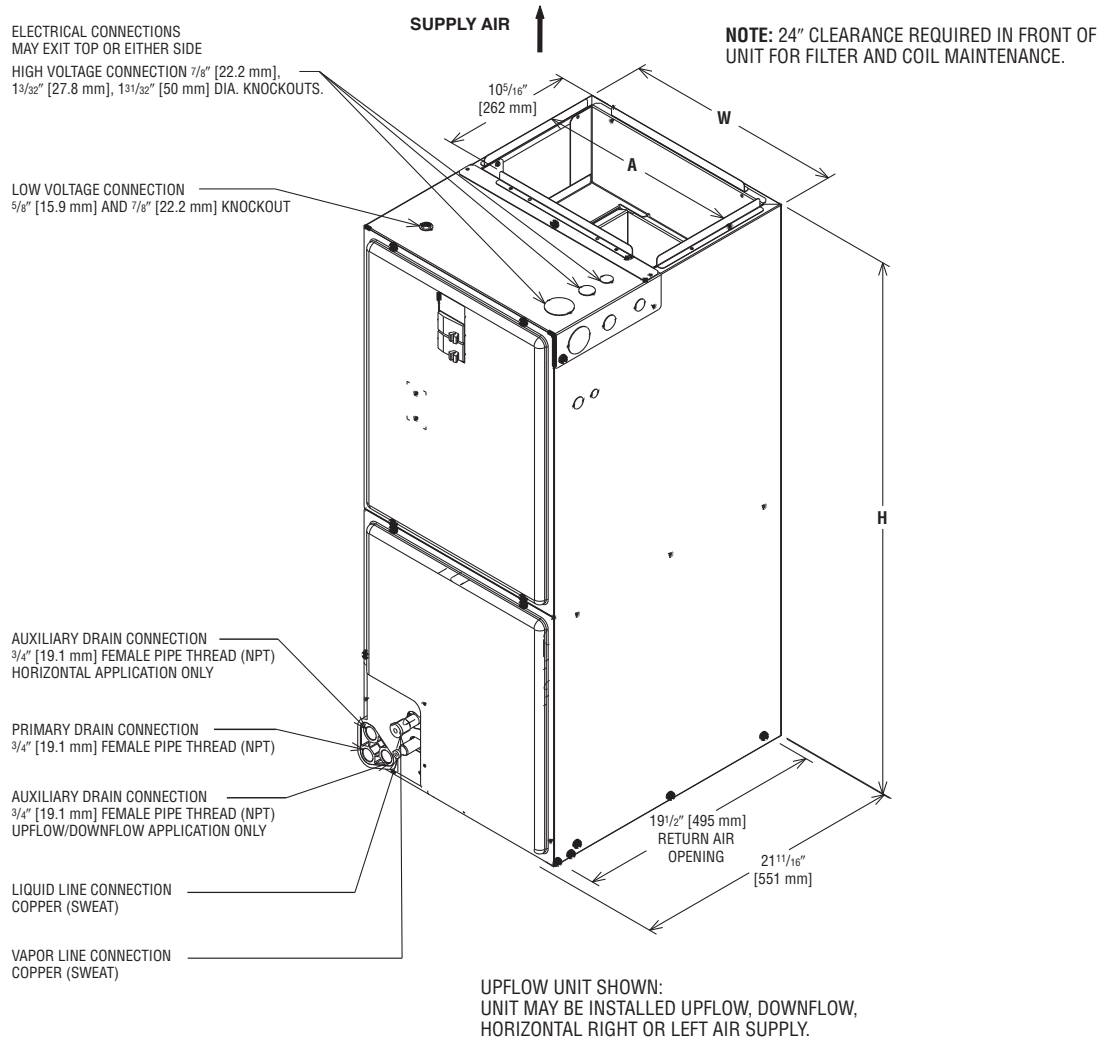


Unit Dimensions

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



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]	Air Flow CFM (Nom.) [L/s]			Unit Weight/Shipping Weight (Lbs.) [kg] Unit With Coil (Max. KW)
	Liquid	Vapor				Fan	Lo	Hi	
2417SE	3/8 [9.53]	3/4 [19.05]	42 ¹ / ₂ [1080]	17 ¹ / ₂ [444.5]	16 [406.4]	550	550	750	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]	310	460	835	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]	325	580	850	130/146 [59/66]
3617SE	3/8 [9.53]	3/4 [19.05]	42 ¹ / ₂ [1080]	17 ¹ / ₂ [444.5]	16 [406.4]	660	660	1235	96/110 [44/50]
6021SE	3/8 [9.53]	7/8 [22.23]	57 [1448]	21 [533.4]	19 ¹ / ₂ [495.3]	480	830	1565	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]	555	890	1665	161/178 [73/81]

*Maximum dehumidification airflow.

Unit Dimensions

FIGURE 6
VERTICAL DOWNFLOW & HORIZONTAL RIGHT APPLICATION

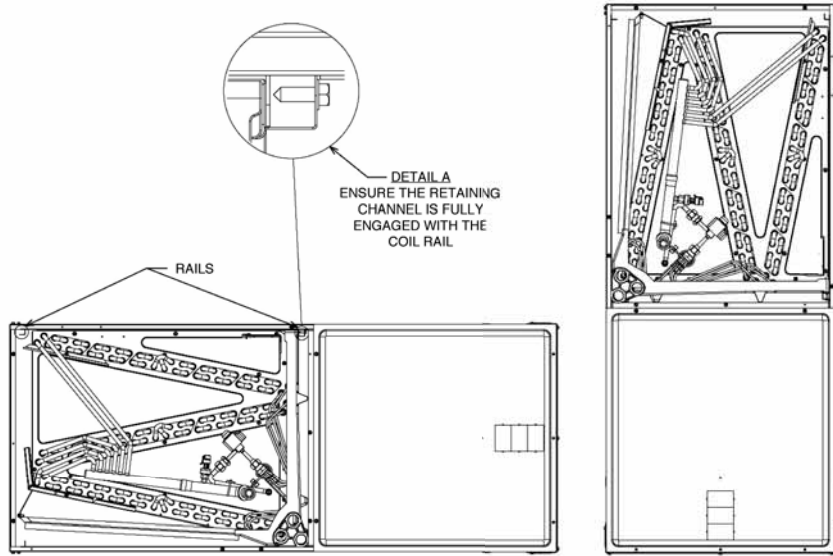
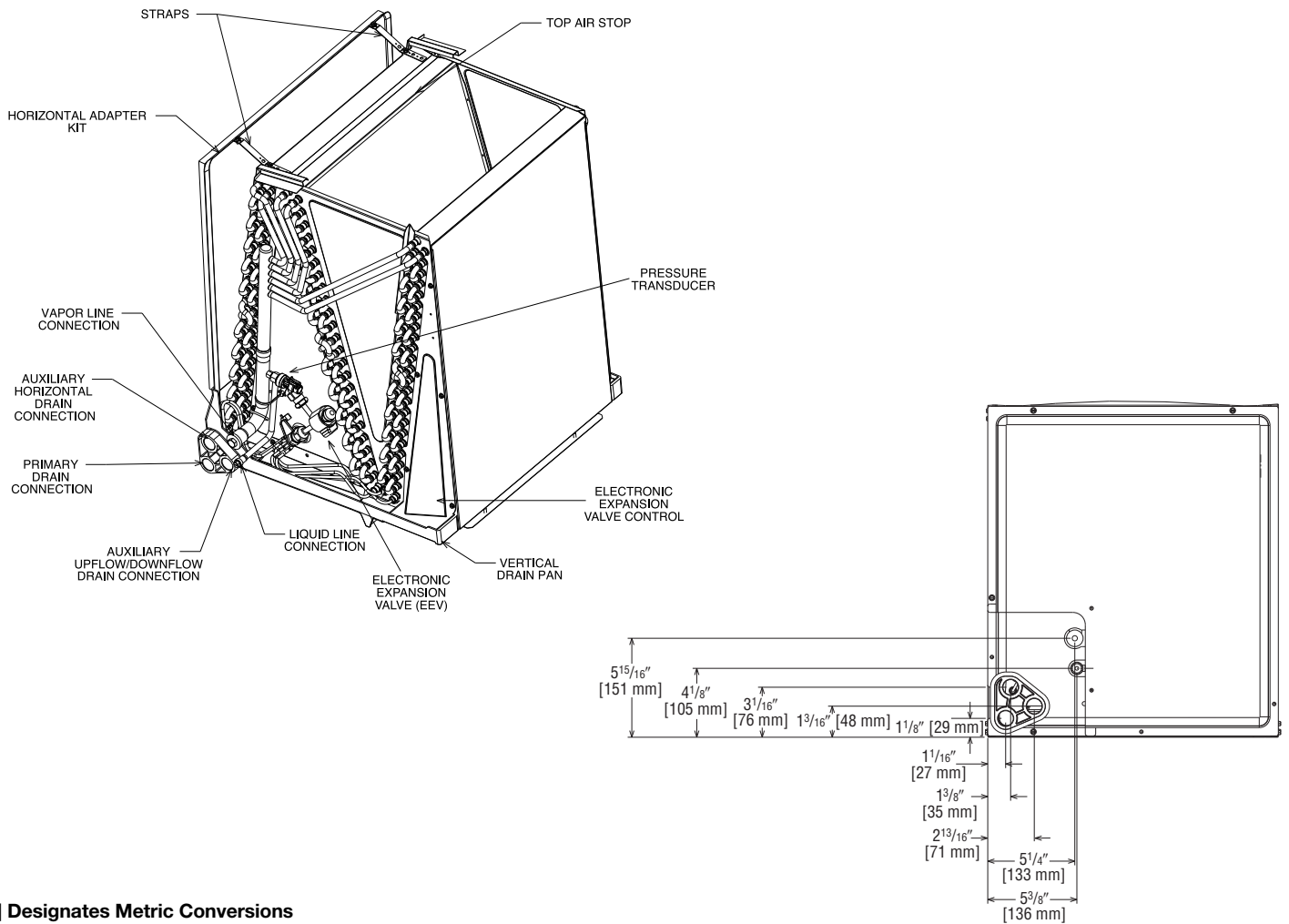


FIGURE 7
INDOOR COIL AND DRAIN PAN SET-UP



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Engineering Features

RHMV- Series

- Equipped standard with an EcoNet Air Handler control board that allows it to directly communicate with the EcoNet Control Center. The EcoNet Control Center serves as the hub of communication for a home's Heating, Cooling, and Water Heating systems, and is required to operate an EcoNet Enabled Heating and Cooling system in fully communicating mode. An EcoNet WiFi kit can be added to the EcoNet network and will use the homeowner's wireless network and broadband Internet connection to enable remote operation of EcoNet Enabled equipment from the mobile-friendly web portal or mobile apps.
- Equipped with an electronic expansion valve (EEV), which can intelligently change the EEV position based on system demands. By the measurement of the suction pressure via the vapor line pressure transducer (factory installed) and the vapor line thermistor (field connected to the vapor line, but factory provided within the air handler) the EcoNet enabled air handler control calculates the suction superheat at the indoor coil. This calculation permits the air handler control to make decisions for when to open and close the EEV for the purpose of maintaining a predetermined suction superheat. The EEV is equipped with a 4-pole removable external stator, and inlet and outlet chatleff fittings for optimal serviceability. These valves also have an internal check valve to provide heat pump compatibility. When operating in heating mode, the air handler control will open the EEV completely to permit the check valve to operate and maximize reverse refrigerant flow.
- The most compact unit design available, all standard heat air handler models only 42 1/2 to 57 inches [1079 to 1448 mm] high.
- Attractive pre-painted cabinet exterior.
- Rugged wall steel cabinet construction, designed for added strength and versatility.
- 1.0" foil faced insulation mechanically retained in blower compartment for excellent thermal and sound performance.
- Four leg blower motor mount.
- Blower housing with controls, motor and blower. Slide out design for service and maintenance convenience.
- Traditional open wire element design for heat applications.
- Field convertible for vertical downflow, horizontal left hand or right hand air supply.
- 3 combustible floor base accessories fit all model sizes when required for downflow installations on combustible floors.
- Indoor coil design provides low air side pressure drop, high performance and extremely compact size.
- Coils are constructed of aluminum fins bonded to internally grooved aluminum tubing.
- Coils are tested at the factory with an extensive refrigerant leak check.
- Coils have copper sweat refrigerant connections.
- Coils utilize chatleff metering device connections.
- Molded polymer corrosion resistant condensate drain pan is provided on all indoor coils.
- Supply duct flanges provided as standard on air handler cabinet.
- Provisions for field electrical, connections available from either side or top of the air handler cabinet.
- Connection point for high voltage wiring is inside the air handler cabinet. Low voltage connection is made on the outside of the air handler cabinet.
- Concentric knockouts are provided for power connection to cabinet. Installer may pull desired hole size up to 2 inches [51 mm] for 1 1/2 inch [38 mm] conduit.
- Front refrigerant and drain connections.

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