



The new degree of comfort.®

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:

Endeavor® Line (-)H MVZ Air Handlers

Nominal Sizes: 2 to 5 Ton [7.03 to 17.58 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

- **Constant CFM Motor:** Truly variable speed technology allows for ultimate humidity control, quieter sound levels and contributes to year-round energy savings
- **Quietest Operation¹:** Provided by Modulating operation and truly variable speed airflow technology and sturdy cabinet construction with 1.0 inch of foil faced insulation for some of the quietest sound characteristics
- **PlusOne® Diagnostics:** With the Contractor & EcoNet® Apps, built-in EcoNet® & Bluetooth^{®2} technology makes monitoring, troubleshooting and repairing the product easier than ever before
- **Dip Switch Free Installation Commissioning via Bluetooth® Technology:** Seamless final install step without DIP switch configuration using the Contractor App
- **EcoNet® Enabled Air Handler:**
 - The latest in sensor technology and the EcoNet® monitoring system provides a new level of protection, control and energy savings
 - Allows on-the-go control and receipt of system alerts by the homeowner via the EcoNet® Smart Thermostat and EcoNet® App³
- **Aluminum Indoor Coil Design:** Are constructed of aluminum fins bonded to internally grooved aluminum tubing and are more corrosion resistant
- **Versatile 4-Way Convertible Compact Design:** Allows for upflow, downflow, horizontal left and horizontal right applications, even in the smallest of spaces
- **Rugged Steel, Compact Cabinet Construction:** Designed for added strength and versatility
- **Field-installed Auxiliary Heater Kits:** Provide exact heat for indoor comfort and include circuit breakers which meet UL and cUL requirements for service disconnect
- **Less than 2% Cabinet Air Leakage at 1-inch H₂O:** When tested in accordance with AHRAE Standard 193

¹Based on manufacturer's air handler offering, and the product's airflow stages, motor type and cabinet insulation. Sound levels are also dependent on air handler location and installation.

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³WiFi broadband internet connection required. Download the EcoNet® App from the App Store® or Google Play® to set up your EcoNet® Smart Thermostat. Receipt of notifications depend on home WiFi set up. Amazon, Alexa and all related logos are trademarked of Amazon.com, Inc. or its affiliates.



9001:2015



(-)HMVZ

ELECTRICAL CONNECTIONS
MAY EXIT TOP OR EITHER SIDE

HIGH VOLTAGE CONNECTION $\frac{1}{8}$ " [22.2 mm],
 $\frac{1}{4}$ " [27.8 mm], $1\frac{1}{2}$ " [50 mm] DIA. KNOCKOUTS,

LOW VOLTAGE CONNECTION
 $\frac{3}{8}$ " [15.9 mm] AND $\frac{1}{2}$ " [22.2 mm] KNOCKOUT

AUXILIARY DRAIN CONNECTION
 $\frac{1}{4}$ " [19.1 mm] FEMALE PIPE THREAD (NPT)
HORIZONTAL APPLICATION ONLY

PRIMARY DRAIN CONNECTION
 $\frac{3}{4}$ " [19.1 mm] FEMALE PIPE THREAD (NPT)

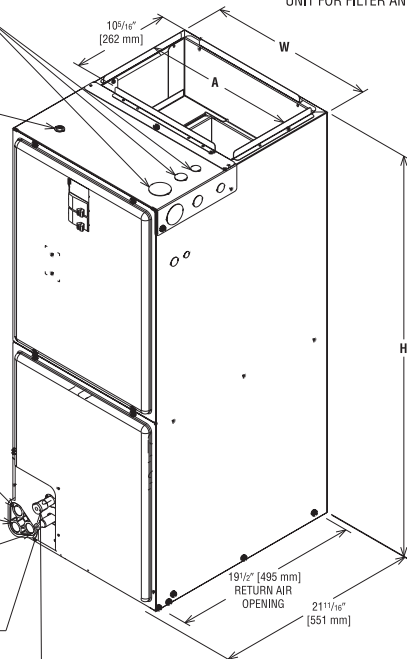
AUXILIARY DRAIN CONNECTION
 $\frac{1}{4}$ " [19.1 mm] FEMALE PIPE THREAD (NPT)
UPFLOW/DOWNFLOW APPLICATION ONLY

LIQUID LINE CONNECTION
COPPER (SWEAT)

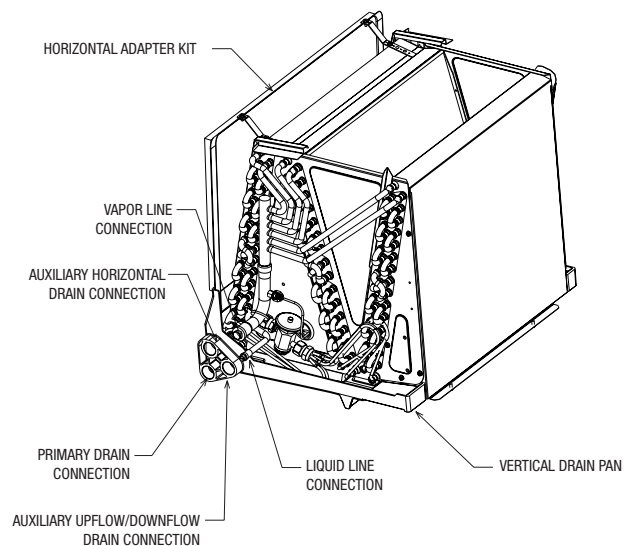
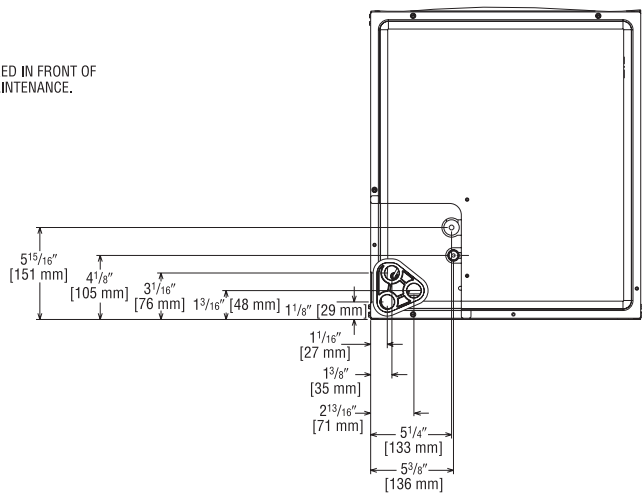
VAPOR LINE CONNECTION
COPPER (SWEAT)

SUPPLY AIR ↑

NOTE: 24" CLEARANCE REQUIRED IN FRONT OF
UNIT FOR FILTER AND COIL MAINTENANCE.



UPFLOW UNIT SHOWN:
UNIT MAY BE INSTALLED UPFLOW, DOWNFLOW,
HORIZONTAL RIGHT OR LEFT AIR SUPPLY.



Unit Dimensions

Model Size (-)HMVZ	Refrigerant Connections Sweat (In.) [mm] ID		Unit Width "W" In. [mm]	Unit Height "H" In. [mm]	Supply Duct "A" In. [mm]	Unit Weight/ Shipping Weight (Lbs.) [kg]
	Liquid	Vapor				
2417SEACN	$\frac{3}{8}$ [9.53]	$\frac{3}{4}$ [19.05]	17 $\frac{1}{2}$ [445]	42 $\frac{1}{2}$ [1080]	16 [406]	91/105 [41/48]
2421MEACN	$\frac{3}{8}$ [9.53]	$\frac{3}{4}$ [19.05]	21 [533]	42 $\frac{1}{2}$ [1080]	19 $\frac{1}{2}$ [495]	103/118 [47/54]
2421HEACN	$\frac{3}{8}$ [9.53]	$\frac{7}{8}$ [22.23]	21 [533]	50 $\frac{1}{2}$ [1282]	19 $\frac{1}{2}$ [495]	123/139 [56/63]
2421HEACA	$\frac{3}{8}$ [9.53]	$\frac{7}{8}$ [22.23]	21 [533]	57 [1448]	19 $\frac{1}{2}$ [495]	140/152 [64/69]
6021SEACA	$\frac{3}{8}$ [9.53]	$\frac{7}{8}$ [22.23]	21 [533]	57 [1448]	19 $\frac{1}{2}$ [495]	140/152 [64/69]
6024SEACN	$\frac{3}{8}$ [9.53]	$\frac{7}{8}$ [22.23]	24 $\frac{1}{2}$ [622]	55 $\frac{1}{2}$ [1410]	23 [584]	159/176 [72/80]

[] 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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