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 (-)HMVZ 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 Operation[1]:** 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® App[3]

- **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 H_2O:** When tested in accordance with AHRAE Standard 193

[1]Based 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.

[2]The Bluetooth® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. and any use of such marks by Rheem® is under license. Other trademarks and trade names are those of their respective owners.

[3]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 notifications depend on home WIFI set up. Amazon, Alexa and all related logos are trademarked of Amazon.com, Inc. or its affiliates.

ISO 9001:2015

c(UL)us LISTED

AHRI CERTIFIED
Unitary Small AC
AHRI Standard 210/240
www.ahridirectory.org

(-)HMVZ

SUPPLY AIR

ELECTRICAL CONNECTIONS
MAY EXIT TOP OR EITHER SIDE
HIGH VOLTAGE CONNECTION 7/8" [22.2 mm],
1 3/32" [27.8 mm], 1 31/32" [50 mm] DIA. KNOCKOUTS.

LOW VOLTAGE CONNECTION
5/8" [15.9 mm] AND 7/8" [22.2 mm] KNOCKOUT

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

10 5/16" [262 mm]

W

A

H

AUXILIARY DRAIN CONNECTION
3/4" [19.1 mm] FEMALE PIPE THREAD (NPT)
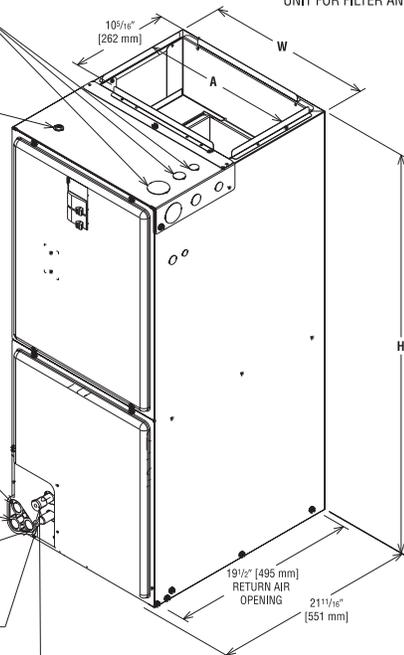HORIZONTAL APPLICATION ONLY

PRIMARY DRAIN CONNECTION
3/4" [19.1 mm] FEMALE PIPE THREAD (NPT)

AUXILIARY DRAIN CONNECTION
3/4" [19.1 mm] FEMALE PIPE THREAD (NPT)
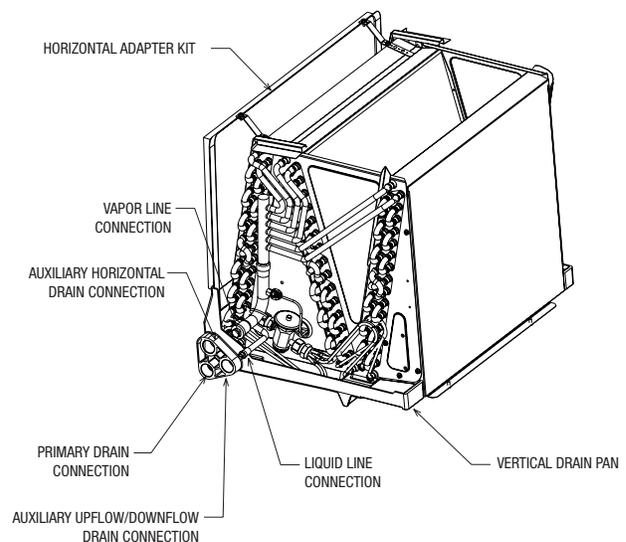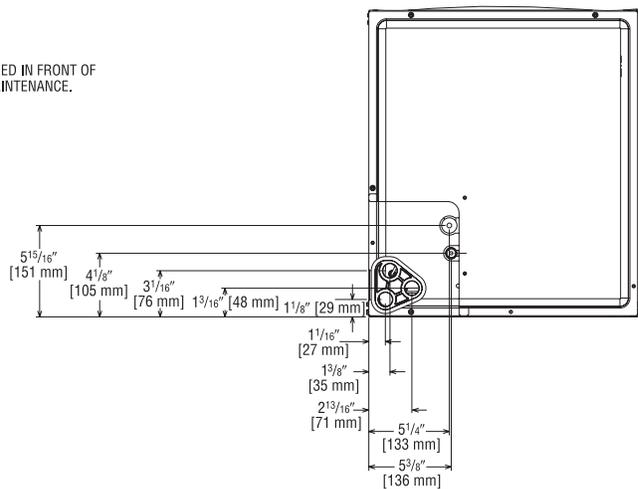UPFLOW/DOWNFLOW APPLICATION ONLY

LIQUID LINE CONNECTION
COPPER (SWEAT)

VAPOR LINE CONNECTION
COPPER (SWEAT)

19 1/2" [495 mm]
RETURN AIR
OPENING

21 11/16" [551 mm]

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

5 15/16" [151 mm]
4 1/8" [105 mm]
3 1/16" [76 mm]
1 3/16" [48 mm]
1 1/8" [29 mm]
1 1/16" [27 mm]
1 3/8" [35 mm]
2 13/16" [71 mm]
5 1/4" [133 mm]
5 3/8" [136 mm]

HORIZONTAL ADAPTER KIT

VAPOR LINE
CONNECTION

AUXILIARY HORIZONTAL
DRAIN CONNECTION

PRIMARY DRAIN
CONNECTION

LIQUID LINE
CONNECTION

VERTICAL DRAIN PAN

AUXILIARY UPFLOW/DOWNFLOW
DRAIN CONNECTION

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	3/8 [9.53]	3/4 [19.05]	17 1/2 [445]	42 1/2 [1080]	16 [406]	91/105 [41/48]
2421MEACN	3/8 [9.53]	3/4 [19.05]	21 [533]	42 1/2 [1080]	19 1/2 [495]	103/118 [47/54]
2421HEACN	3/8 [9.53]	7/8 [22.23]	21 [533]	50 1/2 [1282]	19 1/2 [495]	123/139 [56/63]
2421HEACA	3/8 [9.53]	7/8 [22.23]	21 [533]	57 [1448]	19 1/2 [495]	140/152 [64/69]
6021SEACA	3/8 [9.53]	7/8 [22.23]	21 [533]	57 [1448]	19 1/2 [495]	140/152 [64/69]
6024SEACN	3/8 [9.53]	7/8 [22.23]	24 1/2 [622]	55 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.**

Rheem Sales Company, Inc.
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