



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:

Vantix™ Line (-)H2CZ 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

- **Quiet Operation¹:** Provided by a cabinet construction with 1.0 inch of foil faced insulation for quieter sound characteristics
- **Aluminum Indoor Coil Design:** Constructed of aluminum fins bonded to internally grooved aluminum tubing and are more corrosion resistant
- **Versatile 4-Way Convertible Compact Design:** Allow 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
- **Cabinet Air Leakage at 1-inch H₂O:** When tested in accordance with ASHRAE 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.



(-)H2CZ

ELECTRICAL CONNECTIONS
MAY EXIT TOP OR EITHER SIDE

HIGH VOLTAGE CONNECTION $\frac{7}{8}$ " [22.2 mm],
 $\frac{1}{2}$ " [12.7 mm] DIA. KNOCKOUTS.

LOW VOLTAGE CONNECTION
 $\frac{5}{8}$ " [15.9 mm] AND $\frac{7}{8}$ " [22.2 mm] KNOCKOUT

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

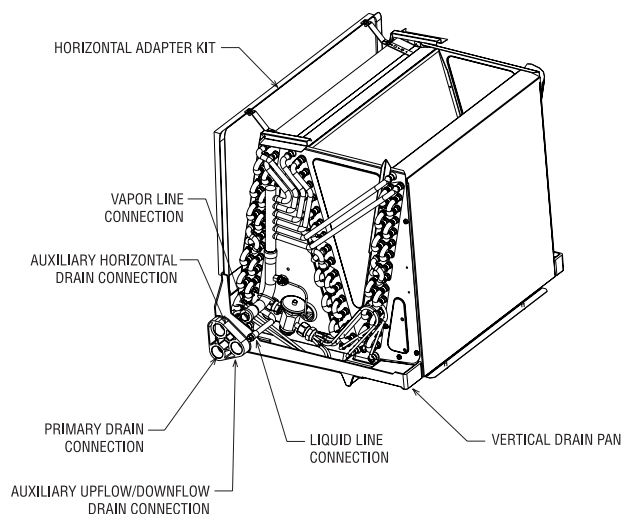
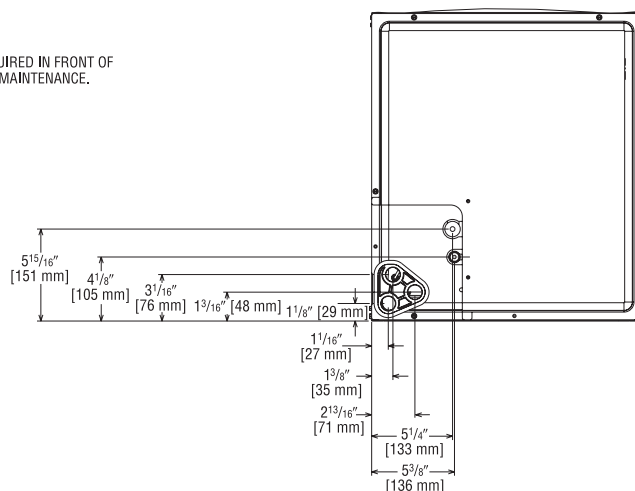
LIQUID LINE CONNECTION
COPPER (SWEAT)

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 (-)H2CZ	Refrigerant Connections Sweat (In.) [mm] ID		Unit Width "W" In. [mm]	Unit Height "H" In. [mm]	Unit Weight/Shipping Weight (Lbs.) [kg]
	Liquid	Vapor			Unit With Coil (Max. KW)
2417ST	$\frac{3}{8}$ [9.53]	$\frac{3}{4}$ [19.05]	$17\frac{1}{2}$ [445]	$42\frac{1}{2}$ [1080]	92/106 [42/48]
3617ST	$\frac{3}{8}$ [9.53]	$\frac{3}{4}$ [19.05]	$17\frac{1}{2}$ [445]	$42\frac{1}{2}$ [1080]	96/110 [44/50]
3621ST	$\frac{3}{8}$ [9.53]	$\frac{3}{4}$ [19.05]	21 [533]	$42\frac{1}{2}$ [1080]	111/126 [50/57]
3621MT**N	$\frac{3}{8}$ [9.53]	$\frac{7}{8}$ [22.23]	21 [533]	$50\frac{1}{2}$ [1282]	126/142 [57/64]
3621MT**A	$\frac{3}{8}$ [9.53]	$\frac{7}{8}$ [22.23]	21 [533]	57 [1448]	137/149 [62/68]
4821ST**N	$\frac{3}{8}$ [9.53]	$\frac{7}{8}$ [22.23]	21 [533]	$50\frac{1}{2}$ [1282]	128/144 [56/65]
4821ST**A	$\frac{3}{8}$ [9.53]	$\frac{7}{8}$ [22.23]	21 [533]	57 [1448]	139/151 [63/68]
4824ST**N	$\frac{3}{8}$ [9.53]	$\frac{7}{8}$ [22.23]	$24\frac{1}{2}$ [622]	$55\frac{1}{2}$ [1410]	128/146 [58/66]
6021ST**A	$\frac{3}{8}$ [9.53]	$\frac{7}{8}$ [22.23]	21 [533]	57 [1448]	139/151 [63/68]
6024ST	$\frac{3}{8}$ [9.53]	$\frac{7}{8}$ [22.23]	$24\frac{1}{2}$ [622]	$55\frac{1}{2}$ [1410]	161/178 [73/81]

[] 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.

5600 Old Greenwood Road
Fort Smith, Arkansas 72908

© 2023 Rheem Manufacturing Company. Russell By Rheem and Sure Comfort trademarks owned by Rheem Manufacturing Company.

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