



# 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:

# SUBMITTAL SHEET FOR (-)HPL- 16 SEER 1 1/2 TO 5 NOMINAL TON [5.3 TO 17.6 kW] AIR HANDLERS

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 ..... / /  
 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 (-)HPL- AIR HANDLERS 1 1/2 TO 5 NOMINAL TONS [5.3 TO 17.6 kW]

- Includes an energy efficient GE® ECM® Motor, which in most applications, enhances the SEER rating of the outdoor unit. It also slowly ramps its speed up for quiet operation and enhanced customer satisfaction.
- Versatile 4-way convertible design for upflow, downflow, horizontal left and horizontal right applications.
- Nominal airflow up to 1.0" external static pressure.
- Factory-installed high efficiency 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.
- On-demand dehumidification terminal that adjusts airflow to help control humidity for unsurpassed comfort in cooling mode.
- Interface board with dip switches conveniently located in the blower compartment allows for precise, field selectable airflow to meet the requirements of particular applications.
- The most compact unit design available.
- Attractive pre-painted cabinet exterior.
- Coils are constructed of aluminum fins bonded to internally grooved copper tubing.
- 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.
- Equipment features a 10-year limited parts warranty. In addition, a 10-year conditional unit replacement warranty is provided. See warranty card for complete details.

[ ] Designates Metric Conversions



# Unit Dimensions

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. IF LARGER REQUIRED,  
PULL HOLE SIZE REQUIRED UP TO 2" [50.8 mm] DIA.  
FOR 1 1/2" [38.1 mm] CONDUIT

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

NOTE: 24" CLEARANCE REQUIRED IN  
UNIT FOR FILTER AND COIL MAINTEN

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

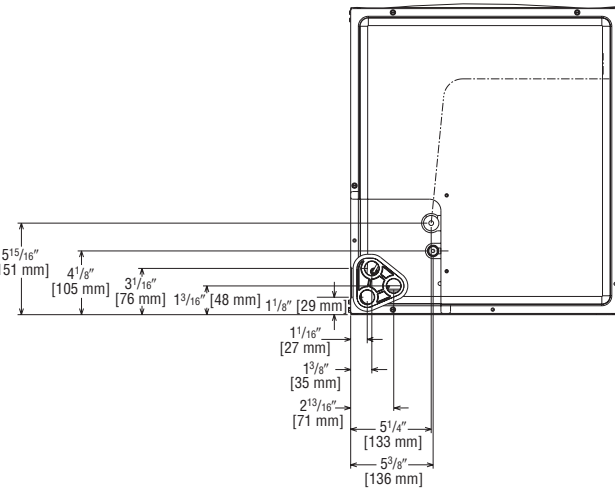
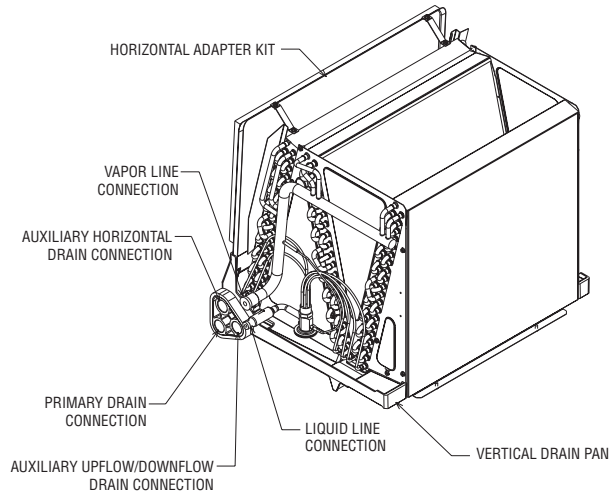
PRIMARY DRAIN CONNECTION  
3/4" [19.1 mm] FEMALE PIPE THREAD (NPT)

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)

DOWNFLOW APPLICATION AND HORIZONTAL RIGHT  
INDOOR COIL AND COIL DOOR ROTATES 180°



## Return Air Opening Dimensions

Model Cabinet Size	Return Air Opening Width (Inches)	Return Air Opening Depth/Length (Inches)
21	19 3/8	19 1/2
24	22 7/8	19 1/2

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

[ ] Designates Metric Conversions  
( ) Designates Unit with Double Coil Cabinet

## Unit Dimensions & Weights

Model	Unit Width "W" In. [mm]	Unit Height "H" In. [mm]	Supply Duct "A" In. [mm]	Nominal Coil Airflow [L/s]				Unit Weight/Shipping Weight (Lbs.) [kg]
				1st Stage		2nd Stage		
				ODD*	Normal	ODD*	Normal	
2421	21 [533]	42 1/2 [1080]	19 1/2 [495]	480 [227]	625 [295]	640 [302]	775 [366]	92/106 [42/48]
3621	21 [533]	42 1/2 [1080]	19 1/2 [495]	720 [340]	900 [425]	960 [453]	1200 [565]	92/106 [42/48]
4824	24 1/2 [622]	55 1/2 [1410]	23 [584]	960 [453]	1200 [566]	1280 [804]	1625 [767]	162/180 [73/81]
6024	24 1/2 [622]	55 1/2 [1410]	23 [584]	1040 [491]	1375 [649]	1360 [642]	1675 [791]	181/198 [82/90]

\* 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.

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