



# 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 RHPN- ULTRA HIGH EFFICIENCY AIR HANDLER 2 NOMINAL TON [7.03 kW]

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 ..... Hz  
 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 RHPN- AIR HANDLERS 2 NOMINAL TON [7.03 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.
- Dip switch settings for selectable, customized cooling airflow over a wide variety of applications when wired in 24V conventional configurations.
- Blower self-configures when installed with a communicating outdoor unit and the Manufacturer's 500-Series thermostat.
- Equipment features a 10-year limited parts warranty. See warranty card for complete details.
- Advanced controls provide more comfort and diagnostic options.

[ ] 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 3/32" [50 mm]  
DIA. KNOCKOUT

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

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

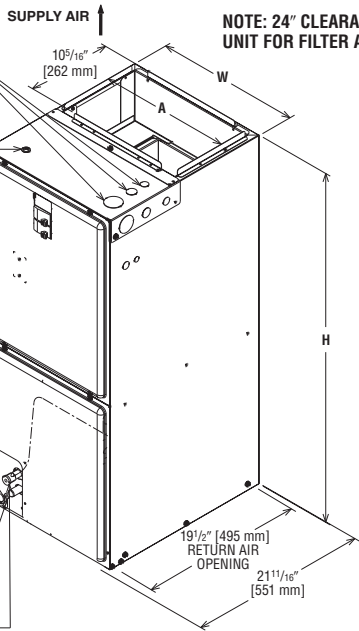
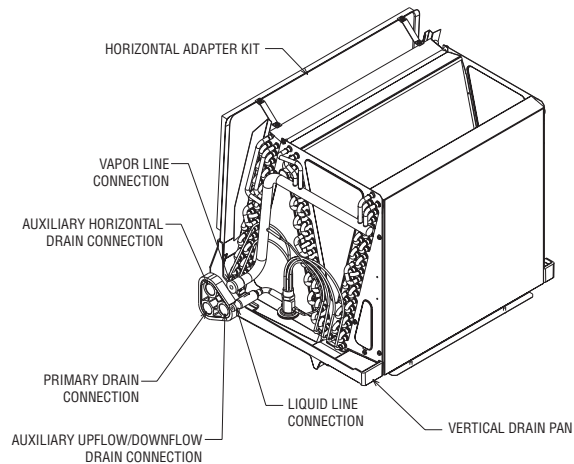
PRIMARY DRAIN CONNECTION  
3/4" [19.1 mm] FEMALE PIPE THREAD (NPT)

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

LIQUID LINE CONNECTION  
COPPER (SWEAT)

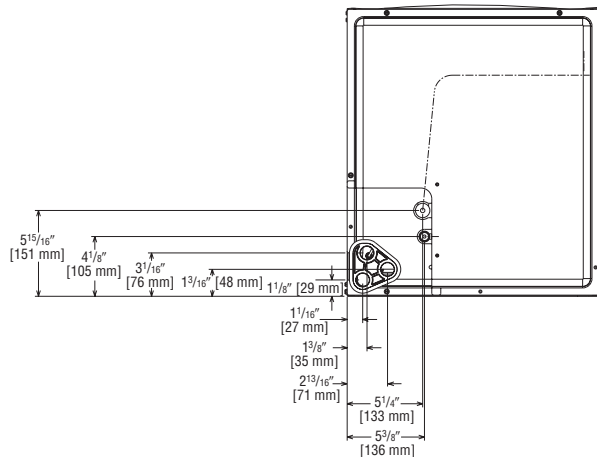
VAPOR LINE CONNECTION  
COPPER (SWEAT)

**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

RHPN-	Unit Width "W" In. [mm]	Unit Height "H" In. [mm]	Supply Duct "A" In. [mm]	Matched to Outdoor Unit	Nominal Coil Airflow [L/s]				Unit Weight/Shipping Weight (Lbs.) [kg]	
					1st Stage		2nd Stage		Unit With Coil (Max. KW)	
					ODD*	Normal	ODD*	Normal		
2421	21 [533]	42 1/2 [1080]	19 1/2 [495]	(-)ARL/(-)ASL-024JEC	500 [238]	600 [283]	860 [307]	775 [366]	92/106	[42]/[48]
3624	24 1/2 [622]	55 1/2 [1410]	23 [584]	(-)ASL-036JEC	725 [342]	825 [389]	975 [460]	1175 [555]	181/198	[82]/[90]
				(-)ARL/(-)ASL-036JEC	825 [389]	950 [448]	1000 [472]	1175 [555]		
4824	24 1/2 [622]	55 1/2 [1410]	23 [584]	(-)ASL-048JEC	825 [389]	1000 [472]	1300 [614]	1600 [755]	181/198	[82]/[90]
				(-)ARL-048JEC	1000 [472]	1200 [566]	1350 [637]	1600 [755]		
6024	24 1/2 [622]	55 1/2 [1410]	23 [584]	(-)ASL-060JEC	925 [437]	1050 [496]	1325 [625]	1700 [802]	181/198	[82]/[90]
				(-)ARL-060JEC	1025 [484]	1275 [602]	1400 [661]	1700 [802]		

\*Maximum dehumidification airflow. Refer to interface board section for more information.

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**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."