



The new degree of comfort.™

# 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:



INTEGRATED HOME COMFORT

PRINTED IN U.S.A 01/12 QG FORM NO. M11-1640

**PACKAGE AIR CONDITIONER:****RLNL-C Series****With ClearControl™****Nominal Sizes 6-12.5 Tons [21.1-44.0 kW]****RLNL-H Series****With ClearControl™****With VFD Technology****Nominal Sizes 7.5-12.5 Tons [26.4-44.0 kW]**

JOB NAME \_\_\_\_\_

CONTRACTOR \_\_\_\_\_

ENGINEER \_\_\_\_\_

LOCATION \_\_\_\_\_

ORDER NO. \_\_\_\_\_

SUBMITTED FOR ☐ APPROVAL ☐ RECORD

SUBMITTED BY \_\_\_\_\_

DATE \_\_\_\_\_

UNIT DESIGNATION \_\_\_\_\_

MODEL NO. \_\_\_\_\_

**UNIT DATA****COOLING PERFORMANCE**

TOTAL CAPACITY\* ..... MBH  
 SENSIBLE CAPACITY\* ..... MBH  
 EFFICIENCY (at AHRI)..... EER  
 PART LOAD EFFICIENCY..... EER  
 AMBIENT DB TEMP..... °F  
 ENTERING DB TEMP ..... °F  
 ENTERING WB TEMP ..... °F  
 LEAVING DB TEMP ..... °F  
 LEAVING WB TEMP ..... °F  
 TOTAL POWER INPUT ..... kW  
 ELEVATION ..... FT  
 SOUND POWER ..... DBELS

**HEATING PERFORMANCE**

ELECTRIC HEAT CAPACITY ..... kW

**SUPPLY AIR BLOWER PERFORMANCE**

SUPPLY AIR..... CFM [L/s]  
 OUTSIDE AIR..... CFM [L/s]  
 EXTERNAL STATIC PRESSURE ..... IWG  
 DUCT CONNECTION LOCATION .....  
 BLOWER SPEED ..... RPM  
 MOTOR RATING ..... HP [W]  
 BRAKE HORSEPOWER ..... BHP  
 POWER INPUT REQUIREMENT ..... kW

**ELECTRICAL DATA**

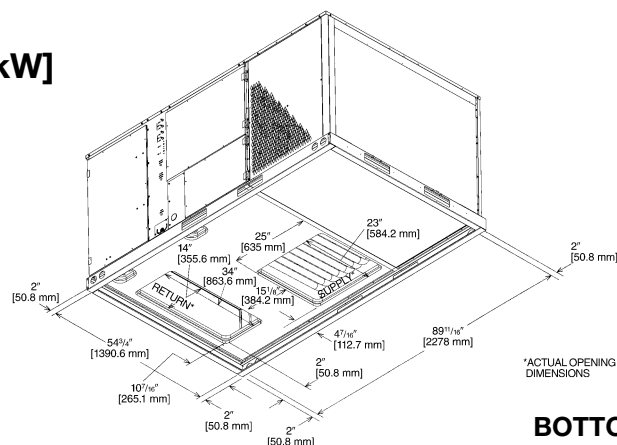
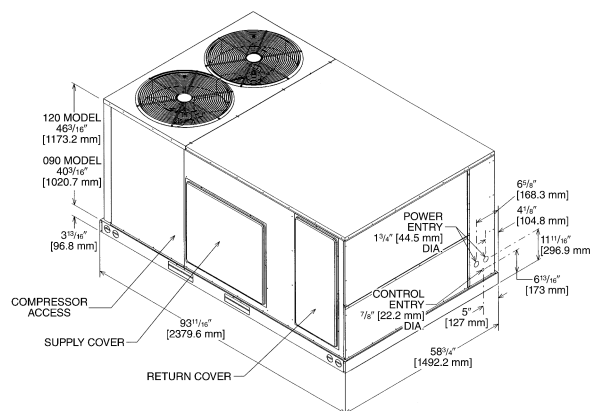
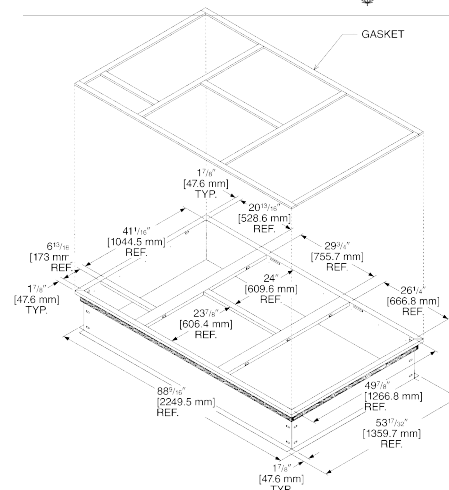
POWER SUPPLY ..... Hz  
 MINIMUM CIRCUIT AMPACITY ..... AMPS  
 MAXIMUM OVERCURRENT DEVICE  
 FUSE SIZE ..... AMPS  
 HACR CIRCUIT BREAKER ..... AMPS

**DIMENSIONS & WEIGHT**

HEIGHT \_\_\_\_ IN WIDTH \_\_\_\_ IN DEPTH \_\_\_\_ IN  
 TOTAL WEIGHT ..... LBS [kg]  
 (including factory options)

**CLEARANCES**

|                            |                   |
|----------------------------|-------------------|
| FRONT 48" [1219 mm]        | BACK 18" [457 mm] |
| BOTTOM 0"                  | TOP 60" [1524 mm] |
| LEFT SIDE 18" [457 mm]     | 36" [914 mm]      |
| RIGHT SIDE (condenser end) | 18" [457 mm]      |

**R-410A****BOTTOM VIEW****ROOFCURB INSTALLATION****Roofcure Includes Insulation Panels**

[ ] Designates Metric Conversions



**FEATURES FOR PACKAGE AIR CONDITIONERS  
RLNL-C/H 6 THRU 12.5 NOMINAL TONS [21.1 THRU 44.0 kW]**

**Cooling**

- R410A Refrigerant
- Quiet, Efficient, Scroll Compressors
- Two-Stage Cooling for Superior Comfort Control at Minimum Operating Cost on most models
- Belt-drive Blower with optional drive to accommodate design conditions as high as 2.0 inches [.37 kPa] of external static pressure at nominal airflow
- Copper Tube/Aluminum Fin Coils

**Service Features**

- 1/4 turn Fasteners and Hinged Access Panels for Convenience
- Large Control Panel with numbered and color coded wiring for Easy Troubleshooting
- Front Access, Slide-Out Blower Assembly for Easy Maintenance
- Convertible Airflow for Maximum Flexibility
- Solid-state microprocessor-based control board provides flexible control and extensive diagnostics for all unit functions
- Features a 16 x 2 character LCD display and a five-button keypad for local configuration and direct diagnosis of the system
- Slide out Condensate Drain pan to simplify Cleaning
- Factory-Installed two-inch [50.8 mm], throw away filters accessible without tools
- Plug-in Electrical Connections on outdoor fan assemblies
- Unit is prewired to accept Slip-In Economizer
- Externally-mounted refrigerant gauge ports

- Side or Base utility access minimizing roof penetrations
- Full perimeter, forkable, riggable baserails with protective forkboards for easy handling
- Complete Factory Tested, Charged, Wired
- Compatible with a third party building management system that supports the BACnet Application Specific Controller device profile
- Compatible with a third party building management system that supports the LonMark Space Comfort Controller (SCC) functional profile or LonMark Discharge Air Controller (DAC) functional profile

**Reliability Features**

- One-piece Top and Base pan on indoor section, One-inch [25.4 mm] raised flanges on supply/return opening for superior water management
- Base pan Insulation mounted on bottom helps eliminate corrosion and improves indoor air quality
- Non-Corrosive, sloped drain pan helps improve indoor air quality
- Insulation secured by adhesive *and* mechanical means
- Electrodeposition power-coat paint process guards against extreme weather conditions and withstands 1000-hour salt-spray test
- High and Low Refrigerant Pressure Switches
- Solid core refrigerant liquid line filters
- Available Comfort Alert® Module for power phase monitoring protection
- Models with VFD (Variable Frequency Drive) meet ASHRAE 90.1-2010 and California Title 24.

**ACCESSORIES**

**Factory Installed**

- Oversized Blower motor ..... ☐
- Outdoor Coil Guard ..... ☐
- Non-Powered Convenience Outlet ..... ☐
- Low Ambient w/Comfort Alert® Control ..... ☐
- Single Enthalpy Economizer  
w/Barometric Relief and DDC ..... ☐
- Single Enthalpy Economizer w/Barometric  
Relief, Smoke Detector and DDC ..... ☐

[ ] Designates Metric Conversions

**Field Installed**

- Electric Heater Kits ..... ☐
- Outdoor Coil Guard..... ☐
- Non-Powered Convenience Outlet ..... ☐
- Low Ambient Control..... ☐
- Comfort Alert® Control..... ☐
- 14" Full Perimeter Roofcurb ..... ☐
- 24" Full Perimeter Roofcurb ..... ☐
- Roofcurb Adapter ..... ☐
- Concentric Diffuser ..... ☐
- Manual Outside Air Intake Damper..... ☐
- Motorized Outside Air Intake..... ☐
- Motorized Outside Air Intake Damper  
w/DDC Feedback ..... ☐
- Single Enthalpy Economizer  
w/Barometric Relief and DDC ..... ☐
- Single Enthalpy Economizer w/Barometric  
Relief, Smoke Detector and DDC ..... ☐
- Horizontal Single Enthalpy Economizer  
w/Barometric Relief and DDC ..... ☐
- Dual Enthalpy Adapter ..... ☐
- Power Exhaust ..... ☐
- CO<sub>2</sub> Sensor (wall mount with LCD)..... ☐

**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."*