



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

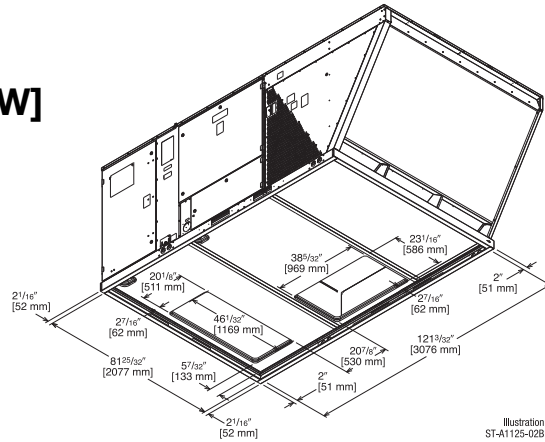
# PACKAGE AIR CONDITIONER FEATURING HumidiDry™ TECHNOLOGY:

## RLNL-G Series

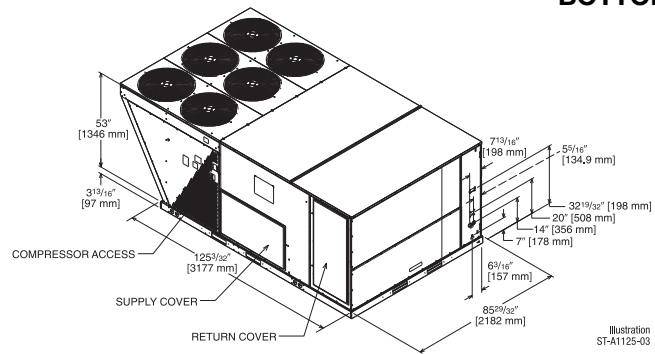
### With ClearControl™ and VFD Technology

### Nominal Sizes 15-25 Tons [52.8-87.9 kW]

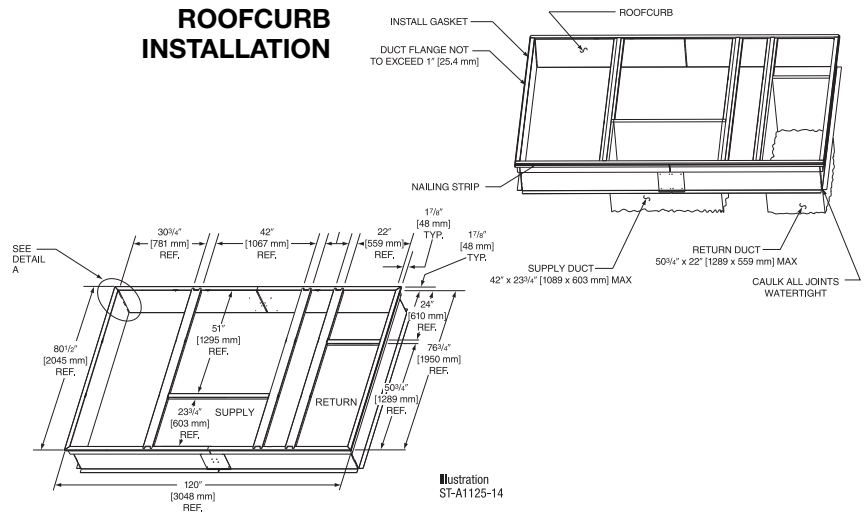
JOB NAME \_\_\_\_\_  
 CONTRACTOR \_\_\_\_\_  
 ENGINEER \_\_\_\_\_  
 LOCATION \_\_\_\_\_  
 ORDER NO. \_\_\_\_\_  
 SUBMITTED FOR  APPROVAL  RECORD  
 SUBMITTED BY \_\_\_\_\_  
 DATE \_\_\_\_\_  
 UNIT DESIGNATION \_\_\_\_\_  
 MODEL NO. \_\_\_\_\_



**BOTTOM VIEW**



### ROOFCURB INSTALLATION



### UNIT DATA

#### COOLING PERFORMANCE

TOTAL CAPACITY*	_____	MBH
SENSIBLE CAPACITY*	_____	MBH
EFFICIENCY (at AHRI)	_____	EER
PART LOAD EFFICIENCY	_____	IPLV
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
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#### 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	80" [2032 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]

[ ] Designates Metric Conversions



25 TON MODEL IS OUTSIDE THE SCOPE OF AHRI 340/360

## FEATURES FOR PACKAGE AIR CONDITIONERS RLNL-G 15 THRU 25 NOMINAL TONS [52.8 THRU 87.9 kW]

### Cooling

- R410A Refrigerant
- Quiet, Efficient, Scroll Compressors
- Two-Stage Cooling for Superior Comfort Control at Minimum Operating Cost
- 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-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
- VFD (Variable Frequency Drive)
- HumidiDry™ Dehumidification System

## ACCESSORIES

### Factory Installed

- Oversized Blower motor .....
- 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 .....
- High and Low Pressure .....
- Air Proving .....
- Dirty Filter .....
- Freeze Stat .....
- Return Air Sensor .....
- Discharge Air Sensor .....
- Outdoor Air Sensor .....

[ ] Designates Metric Conversions

### Field Installed

- Electric Heater Kits .....
- Non-Powered Convenience Outlet .....
- Low Ambient Control .....
- Comfort Alert® Control .....
- 14" Full Perimeter Roofcurb.....
- Roofcurb Adapter .....
- Concentric Diffuser .....
- Manual Outside Air Intake Damper .....
- Motorized Outside Air Intake Damper .....
- 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) .....
- Relative Humidity Sensor .....

**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."*