

SUBMITTAL COVER SHEET

PROJECT NAME LOCATION ARCHITECT ENGINEER	
CONTRACTOR	
SUBMITTED BY	DATE
UNI	T 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	
MinMax. Breaker	
Net Unit Weight	
Accessory	
Catalog Form Number	
ACCESSORIES:	NOTES:

PACKAGE AIR CONDITIONER FEATURING HumidiDry™ TECHNOLOGY:

RLNL-G Series
With ClearControl™
and VFD Technology

and VFD Technology Nominal Sizes 7.5 & 10 Tons [26.4-35.2 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	_ IEER
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

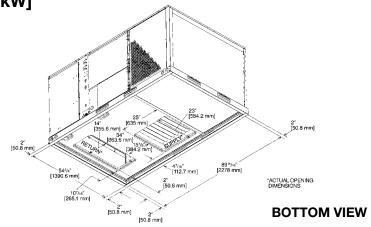
ELECTRIC HEAT CAPACITYkW

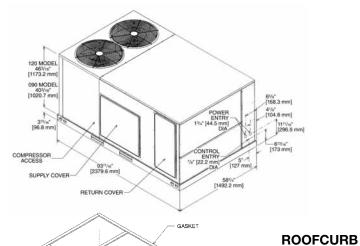
SUPPLY AIR BLOWER PERFORMANCE		
	SUPPLY AIR CFM [L/s]	
	OUTSIDE AIR CFM [L/s]	
	EXTERNAL STATIC PRESSURE IWG	
	DUCT CONNECTION LOCATION	
	BLOWER SPEEDRPM	
	MOTOR RATING HP [W]	
	BRAKE HORSEPOWER BHP	
	POWER INPUT REQUIREMENT kW	

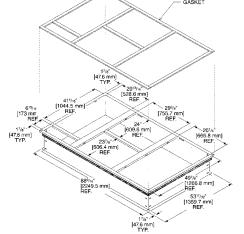
ELECTRICAL DATA	
POWER SUPPLY	Hz
MINIMUM CIRCUIT AMPACITY	AMPS
MAXIMUM OVERCURRENT DEVICE	
FUSE SIZE	AMPS
HACR CIRCUIT BREAKER	AMPS

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]	







Roofcurb Includes Insulation Panels

INSTALLATION

[] Designates Metric Conversions







FEATURES FOR PACKAGE AIR CONDITIONERS RLNL-G 7.5 & 10 TONS [26.4 THRU 35.2 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 fivebutton 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, air proving, dirty filter, freeze stat, return, supply and outdoor air sensors.
- · Solid core refrigerant liquid line filters
- Available Comfort Alert® Module for power phase monitoring protection
- HumidiDry™ Dehumidification System VFD (Variable Frequency Drive).

ACCESSORIES

A00100011110	
Factory Installed	Field Installed
Oversized Blower motor	Electric Heater Kits
Outdoor Coil Guard	Outdoor Coil Guard
Non-Powered Convenience Outlet□	Non-Powered Convenience Outlet□
Low Ambient w/Comfort Alert® Control□	Low Ambient Control
Single Enthalpy Economizer	Comfort Alert® Control
w/Barometric Relief and DDC	14" Full Perimeter Roofcurb□
Single Enthalpy Economizer w/Barometric	24" Full Perimeter Roofcurb
Relief, Smoke Detector and DDC□	Roofcurb Adapter
	Concentric Diffuser
I Designates Metric Conversions	Manual Outside Air Intake Damper□
] Designates Metric Conversions	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
	CO₂ Sensor (wall mount with LCD)
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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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PRINTED IN U.S.A. 4-12 QG FORM NO. X33-1397