

# **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 GAS ELECTRIC UNITS:

RKNL-C Series With ClearControl™

Nominal Sizes 6-12.5 Tons [21.1-44.0 kW]

**RKNL-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 FOR SUBMITTED BY		
SUBMITTED BY		

### **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**

GAS HEAT INPUT	$_{-}$ BTU
GAS HEAT OUTPUT	_ BTU
STEADY STATE EFFICIENCY	_MBH

## **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]
MOTOR RATINGBRAKE HORSEPOWER	

## **ELECTRICAL DATA**

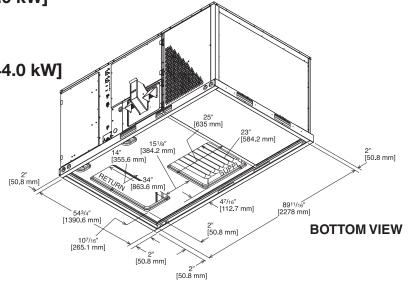
POWER SUPPLY	Hz
MINIMUM CIRCUIT AMPACITY	AMPS
MAXIMUM OVERCURRENT DEVICE	
FUSE SIZE	AMPS
HACR CIRCUIT BREAKER	AMPS

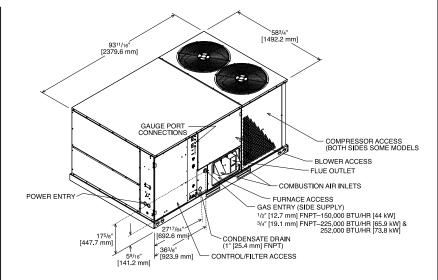
## **DIMENSIONS & WEIGHT**

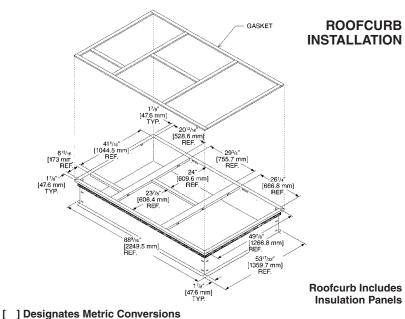
HEIGHT	IN	WIDTH	IN	DEPTH	IN
TOTAL WEI				LBS	S [kg]
(including factor	y option	IS)			

## **CLEARANCES**

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







# FEATURES FOR GAS/ELECTRIC ROOFTOP UNITS RKNL-C/H 6 THRU 12.5 NOMINAL TONS [21.1 THRU 44.0 kW]

#### **Gas Heat**

- Two-Stage Gas Valve (50/100%) for Superior Comfort Control at Minimum Operating Cost
- Dual Inducers allow for 81% Steady State efficiency at High and Low Stage
- Rheem Exclusive In-shot Burners
- Solid State, Direct Spark Ignition with Remote Flame Sense and on-board diagnostics

#### 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**

Eastery Installed

- 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 Furnace Controls with Diagnostic LED for Easy Troubleshooting
- 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
- Aluminized Steel Heat Exchanger helps eliminate corrosion
- 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) meets ASHRAE 90.1-2010 and California Title 24.

#### **ACCESSORIES**

Field Installed

ractory installed	i leid ilistalled
Oversized Blower motor	Outdoor Coil Guard
Outdoor Coil Guard	Disconnect w/Non-Powered Convenience
Stainless Steel Gas Heat Exchanger□	Outlet
Disconnect w/Non-Powered	Low Ambient Control
Convenience Outlet	Comfort Alert® Control
Low Ambient w/Comfort Alert® Control□	Natural Gas High Altitude Kit□
Single Enthalpy Economizer	Propane Conversion Kit
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
F. I.B. et al. a. Martin O. a. and a.	Manual Outside Air Intake Damper $\Box$
[ ] Designates Metric Conversions	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)
	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5

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.

Rheem Sales Company, Inc. P.O. Box 17010, Fort Smith, AR 72917

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

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