



# 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						
<b>ACCESSORIES:</b>			<b>NOTES:</b>			

# PACKAGE GAS ELECTRIC UNITS FEATURING Reheat™ TECHNOLOGY:

**RKNL-G**  
With Direct Digital Control  
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. \_\_\_\_\_

## 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  
POWER INPUT (w/o blower) ..... kW  
ELEVATION ..... FT  
SOUND POWER ..... DBELS

### HEATING PERFORMANCE

GAS HEAT INPUT ..... BTU  
GAS HEAT OUTPUT ..... BTU  
STEADY STATE EFFICIENCY ..... %

### 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

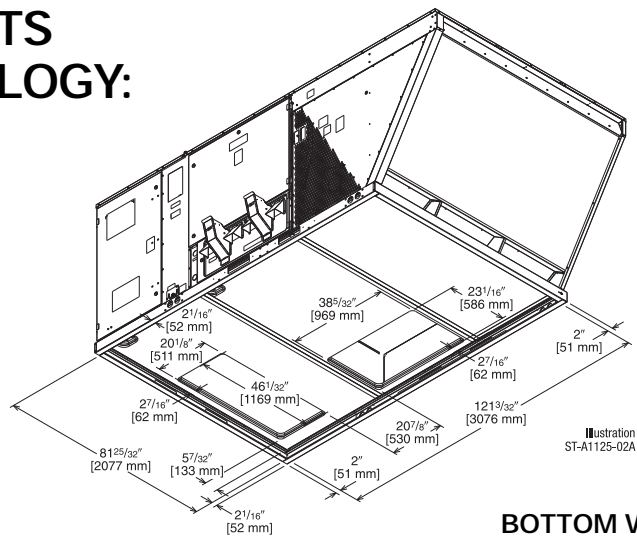
POWER SUPPLY ..... Hz  
MINIMUM CIRCUIT AMPACITY ..... AMPS  
MAXIMUM OVERCURRENT DEVICE  
FUSE SIZE ..... AMPS  
HACR CIRCUIT BREAKER ..... AMPS

### DIMENSIONS & WEIGHT

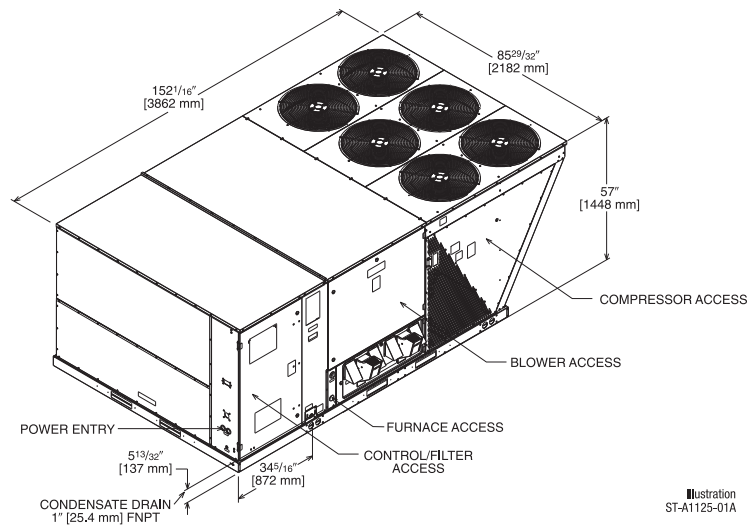
HEIGHT \_\_\_\_\_ IN WIDTH \_\_\_\_\_ IN DEPTH \_\_\_\_\_ IN  
TOTAL WEIGHT ..... LBS [kg]  
(Including factory options)

### CLEARANCES

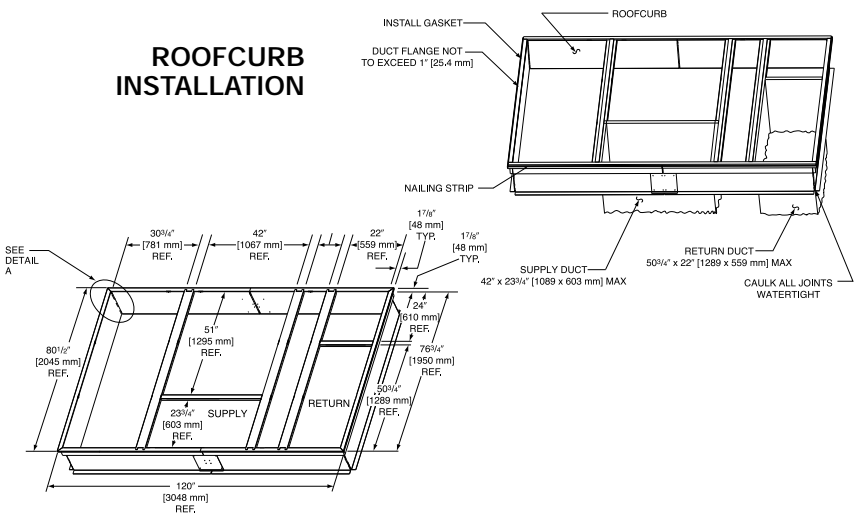
FRONT 80" [2032 mm]	BACK 18" [457 mm]
BOTTOM 0"	TOP 60" [1524 mm]
LEFT SIDE 18" [457 mm]	36" [914 mm]
RIGHT SIDE (condenser end)	18" [457 mm]



**BOTTOM VIEW**



### ROOFCURB INSTALLATION



[ ] Designates Metric Conversions



25 Ton Model is  
outside the scope of  
AHRI Standard 340/360

**FEATURES FOR GAS/ELECTRIC ROOFTOP UNITS**  
**RKNL-G 15 THRU 25 NOMINAL TONS [52.8 THRU 87.9 kW]**

**Gas Heat**

- Two-Stage Gas Valve (50/100%) for Superior Comfort Control at Minimum Operating Cost
- Multiple 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
- 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 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
- Factory-Installed two-inch [50.8 mm], throw away filters accessible without tools
- Slide out Condensate Drain pan to simplify Cleaning

- 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
- 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, air proving, dirty filter, freeze stat, return, supply, and outdoor temperature
- Solid core refrigerant liquid line filters
- Available Comfort Alert® Module for power phase monitoring protection
- VFD (Variable Frequency Drive)
- HumidiDry™ Dehumidification System

[ ] Designates Metric Conversions

**ACCESSORIES**

**Factory Installed**

- Oversized Blower motor ..... ☐
- Stainless Steel Gas Heat Exchanger..... ☐
- Disconnect w/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 ..... ☐

**Field Installed**

- Disconnect w/Non-Powered Convenience  
Outlet..... ☐
- Low Ambient Control ..... ☐
- Comfort Alert® Control ..... ☐
- Natural Gas High Altitude Kit ..... ☐
- Propane Conversion Kit ..... ☐
- 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) ..... ☐

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, the right is reserved to make changes without notice."*