

SUBMITTAL COVER SHEET

PROJECT NAME		
U	NIT 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:	

SUBMITTAL SHEET FOR RKNL-B 15-25 TONS [52.8-87.9 kW] GAS/ELECTRIC ROOFTOP UNITS



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 ARI)	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
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	
DI OWED ODEED	
BLOWER SPEED	RPM
MOTOR RATING	
	HP [W]

ELECTRICAL DATA

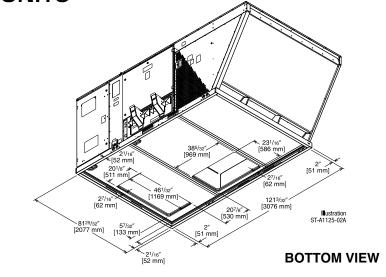
POWER SUPPLY	Hz
MINIMUM CIRCUIT AMPACITY	AMPS
MAXIMUM OVERCURRENT DEVICE	
FUSE SIZE	AMPS
HACR CIRCUIT BREAKER	AMPS

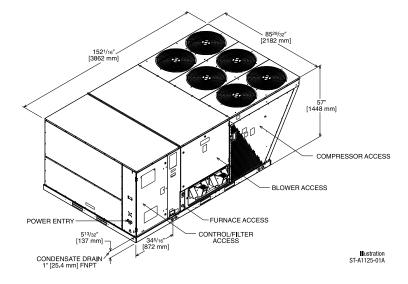
DIMENSIONS & WEIGHT

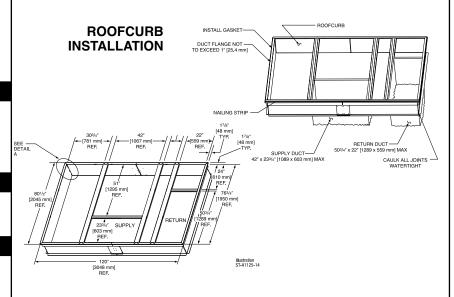
HEIGHT	IN	WIDTH	IN	DEPTH _	IN
TOTAL WE	IGHT			LE	BS [kg]
(including facto	ry optior	ns)			

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

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

Gas Heat

- Two-Stage Gas Valve (50/100%) for Superior Comfort Control at Minimum Operating Cost
- Quad Inducers allow for 81% A.F.U.E. 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

- · R410 Refrigerant
- · Quiet, Efficient, Twin Copeland® 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

- · 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 L.E.D. for Easy Troubleshooting
- Slide out Condensate Drainpan
- Factory-Installed two-inch [50.8 mm], throw away filters. Accessible without tools

- · Externally-mounted refrigerant gauge ports
- · Side or Base utility access minimizing roof penetrations
- Full perimeter, forkable, riggable baserails with protective forkboards for easy handling
- Plug-in Electrical Connections on outdoor fan assemblies
- Unit is prewired to accept Slip-in Economizer
- · Rigging holes and fork lift slats in base rails for lifting
- · Complete Factory Tested, Charged Wired

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 powder-coat paint process guards against extreme weather conditions and withstands 1000hour salt-spray test

Smoke Detector

- Solid core liquid line filters
- · High and Low pressure switches

[] Designates Metric Conversions

ACCESSORIES

Factory Installed	Field Installed
Stainless Steel Gas Heat	14" Full Perimeter Roof
Single Enthalpy w/Barometric Relief□	Roof Curb Adapter
Single Enthalpy w/Barometric Relief and	Dual Enthalpy Sensor
Smoke Detector	Power Exhaust
Disconnect Switch	CO ₂ Sensor
Convenience Outlet (Non-Powered)	Natural Gas High Altitude Kit□
Oversized Blower Motor	Propane Conversion Kit
Low Ambient	Concentric Diffuser
Freeze Stat	Low Ambient Kit
	Freeze Stat
	Manual Outside Air Intake Damper□
	Motorized Outside Air Intake Damper
	Single Enthalpy w/Barometric Relief
	Single Enthalpy w/Barometric Relief and

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.

www.MainlineCollection.com

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

PRINTED IN U.S.A. 9-17 QG

FORM NO. XML-1273