



RussellTM
By Rheem

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:

PACKAGE GAS ELECTRIC UNITS:

RKRL-C Series
With ClearControl™
Nominal Sizes 15 & 20 Tons [52.8 & 70.3 kW]

RKRL-H Series
With ClearControl™
With VFD Technology
Nominal Sizes 15 & 20 Tons [52.8 & 70.3 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 EER
 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

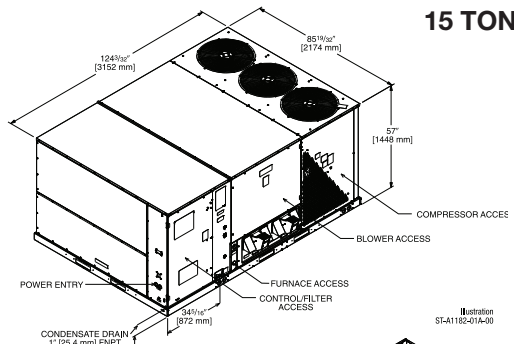
DIMENSIONS & WEIGHT

HEIGHT _____ IN WIDTH _____ IN DEPTH _____ IN
 TOTAL WEIGHT LBS [kg]
 (including factory options)

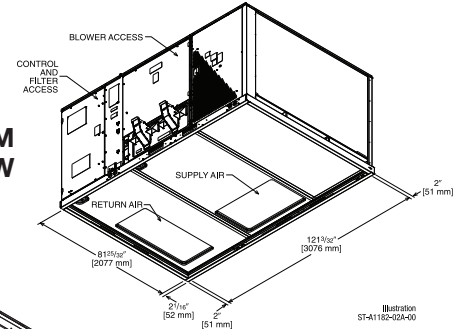
CLEARANCES

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]

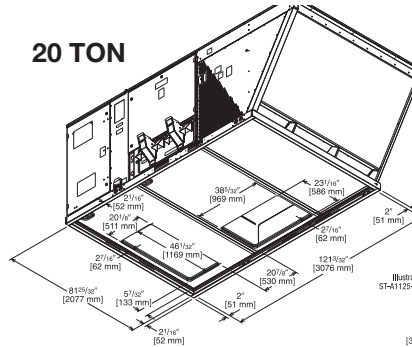
15 TON



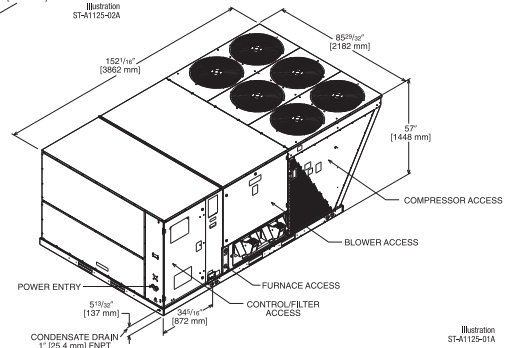
BOTTOM VIEW



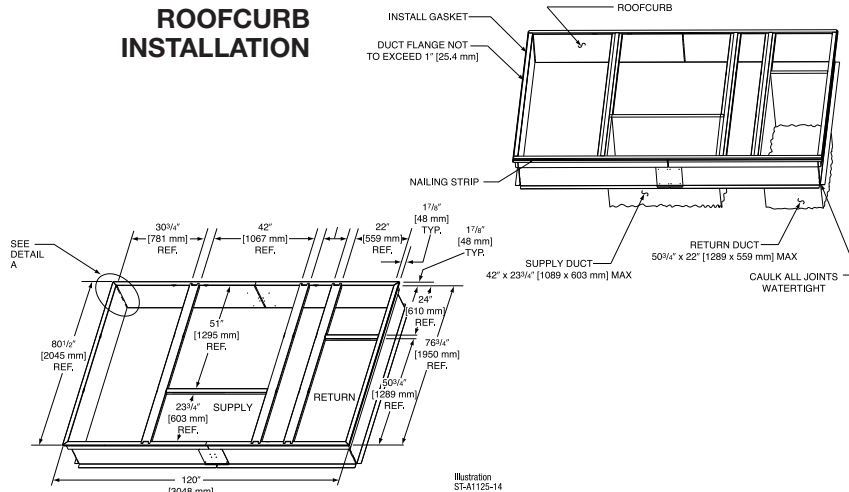
20 TON



BOTTOM VIEW



ROOFCURB INSTALLATION



[] Designates Metric Conversions

**FEATURES FOR GAS/ELECTRIC ROOFTOP UNITS
RKRL-C/H 15 & 20 NOMINAL TONS [52.8 & 70.3 kW]**

- R-410A HFC refrigerant.
- Complete factory charged, wired and run tested.
- Scroll compressors with internal line break overload and high-pressure protection.
- Dual stage compressors.
- Convertible airflow – vertical downflow or horizontal sideflow.
- TXV refrigerant metering system on each circuit.
- High Pressure and Low Pressure/Loss of charge protection standard on all models.
- Solid Core liquid line filter drier on each circuit.
- Single slab, single pass designed evaporator and condense coils facilitate easy cleaning for maintaining high efficiencies.
- Cooling operation up to 125 degree F ambient.
- Foil faced insulation encapsulated throughout entire unit minimizes airborne fibers from the air stream.
- Hinged major access door with heavy-duty gasketing, 1/4 turn latches and door retainers.
- Slide Out Indoor fan assembly for added service convenience.
- Powder Paint Finish meets ASTM B117 steel coated on each side for maximum protection. G90 galvanized.
- Base pan with drawn supply and return opening for superior water management.
- Forkable base rails for easy handling and lifting.
- Single point electrical connections and gas connections.
- Internally sloped slide out condensate pan conforms to ASHRAE 62 standards.
- High performance belt drive motor with variable pitch pulleys and quick adjust belt system.
- Permanently lubricated evaporator, condenser and gas heat inducer motors.
- Condenser motors are internally protected, totally enclosed with shaft down design.
- 2 inch filter standard with slide out design.
- Two stage gas valve direct spark ignition and induced draft for efficiency and reliability.
- Tubular heat exchange for long life and induced draft for efficiency and reliability.
- Solid state furnace control with on board diagnostics.
- 24 volt control system with resettable circuit breakers.
- Colored and labeled wiring.
- Copper tube/Aluminum evaporator coil.
- MicroChannel condenser coil.
- Factory Installed ClearControl™ (DDC) and sensors which can connect to LonWorks™ or BACnet® BAS systems for remote monitoring and control.
- (-H) Models with Variable Frequency Drive (VFD) meet ASHRAE 90.1-2010 and California Title 24

[] 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
- CO₂ Sensor (wall mount with LCD)



Russell™ By Rheem

5600 Old Greenwood Road, Fort Smith, AR 72908

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.