



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:			

SUBMITTAL SHEET FOR RKPN-C/RKQN-C 3 TO 5 NOMINAL TON [10.6 TO 17.6 kW], EQUIPPED WITH DIRECT DIGITAL CONTROL PACKAGE GAS/ELECTRIC 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 AHRI) 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
 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]
 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

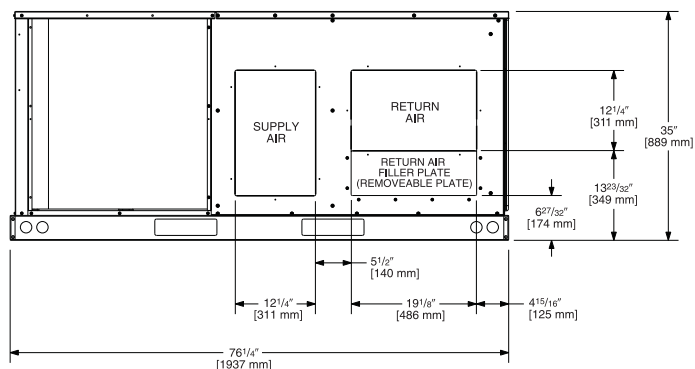
DIMENSIONS & WEIGHT

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

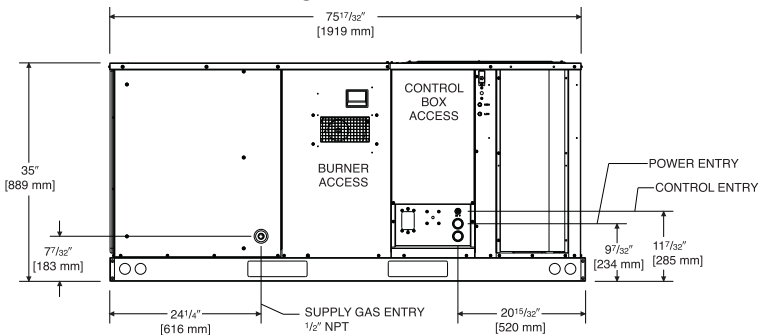
CLEARANCES

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]

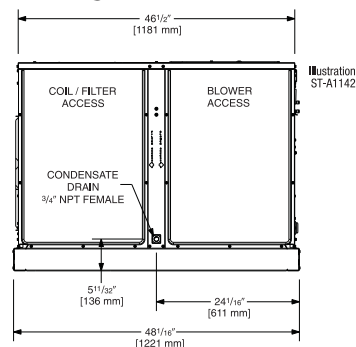
BACK VIEW



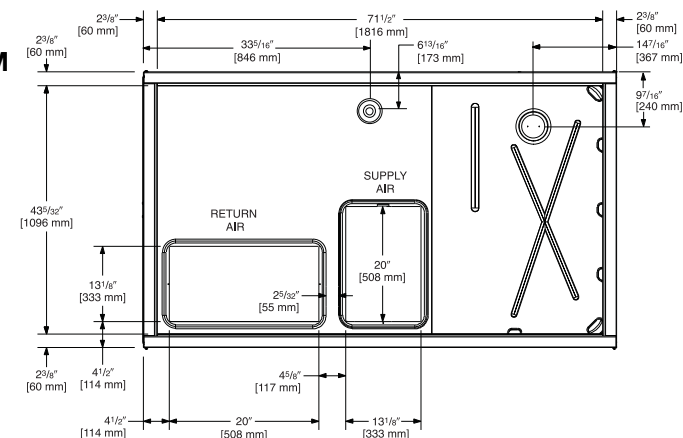
FRONT VIEW



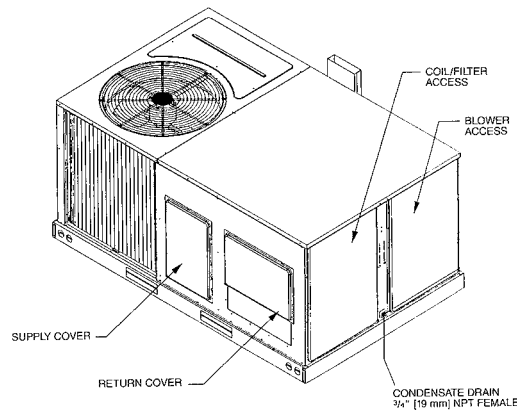
SIDE VIEW



BOTTOM VIEW



[] Designates Metric Conversions



FEATURES FOR GAS/ELECTRIC ROOFTOP UNITS RKPN-C/RKQN-C 3-5 TONS [10.6-17.6 kW]

- R-410A HFC refrigerant.
- Complete factory charged, wired and run tested.
- Scroll compressors with internal line break overload and high-pressure protection.
- Single stage compressor on all models (except RKQN-C060 utilizes 2 Stage Ultra Tech Scroll).
- Convertible airflow.
- 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, Micro Channel designed evaporator coil facilitate easy cleaning for maintained high efficiencies.
- Cooling operation up to 125 degree F ambient.
- Hinged door available as a factory installed option.
- Easily removable filter, blower, gas heat, and compressor/control access panels permits prompt service.
- Paint Finish meets ASTM B117 steel coated on each side for maximum protection. G90 galvanized.
- One piece top cover and one piece base pan with drawn supply and return opening for superior water management.
- Externally mounted refrigerant gauge ports for easy service diagnostics.
- Easy to install plug-in; slip in, 100% fully modulating economizer.
- Forkable base rails for easy handling and lifting.
- Single point electrical and gas connections.
- 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.
- 1 inch filter standard with slide out design. Frame accepts 2" filters.
- Single 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.
- Colored and labeled wiring.
- Factory Installed Direct Digital Control (DDC) and sensors which can connect to LonWorks™ or BACnet® BAS systems for remote monitoring and control.
- Micro Channel evaporator and condenser delivers superior performance with less refrigerant charge and less weight than conventional copper tube/aluminum fin coils. In addition the all aluminum construction has superior protection against formicary corrosion and aluminum tube rubbing potential. Its easier to clean and has a more robust surface.

ACCESSORIES

Factory Installed

- Stainless Steel Gas Heat ☐
- 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..... ☐
- Louver Kit (3 Sides) ☐
- Service Disconnect ☐
- Comfort Alert® Control ☐

Field Installed

- Natural Gas High Altitude Kit ☐
- Propane Conversion Kit ☐

- 14" Full Perimeter Roofcurb ☐
- 24" 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..... ☐
- Dual Enthalpy Adapter ☐
- Power Exhaust ☐
- CO₂ Sensor (wall mount with LCD) ☐
- Thermostats ☐
- BACnet® Communication Card..... ☐
- LonWorks™ Communication Card ☐

[] Designates Metric Conversions

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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