

RELY ON RUUD.™

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 | |
| MinMax. Breaker | |
| Net Unit Weight | |
| Accessory | |
| Catalog Form Number | |
| ACCESSORIES: | NOTES: |
| | |
| | |
| | |
| | |
| | |

SUBMITTAL SHEET FOR PACKAGE GAS/ELECTRIC UNITS EQUIPPED WITH ClearControl™: RKNN-C/RKPN-C/RKQN-C **NOMINAL SIZES 3-5 TONS [10.6-17.6 kW]**

MOLL

| JOB NAME | | |
|-------------------|--------------------|----------|
| CONTRACTOR | | |
| ENGINEER | | |
| LOCATION | | |
| ORDER NO. | | |
| SUBMITTED FOR | \square APPROVAL | ☐ RECORD |
| SUBMITTED BY | | |
| DATE | | |
| | | |
| UNIT DESIGNATION. | | |

UNIT DATA

COOLING PERFORMANCE TOTAL CARACITY*

| 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

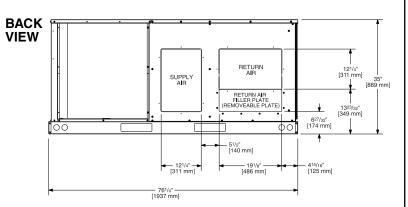
| POWER SUPPLY | Hz |
|----------------------------|------|
| MINIMUM CIRCUIT AMPACITY | AMPS |
| MAXIMUM OVERCURRENT DEVICE | |
| FUSE SIZE | AMPS |
| HACR CIRCUIT BREAKER | AMPS |

DIMENSIONS & WEIGHT

| HEIGHT | _ IN | WIDTH | IN | DEPTH | IN |
|-------------------|----------|-------|----|-------|--------|
| TOTAL WEI | GHT. | | | LBS | 3 [kg] |
| (including factor | y option | is) | | | |

CLEARANCES

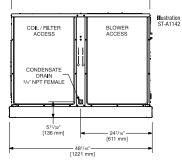
| FRONT 48" [1219 mm] | BACK 18" [457 mm] |
|----------------------------|-------------------|
| ВОТТОМ 0" | TOP 60" [1524 mm] |
| LEFT SIDE 18" [457 mm] | 36" [914 mm] |
| RIGHT SIDE (condenser end) | 18" [457 mm] |

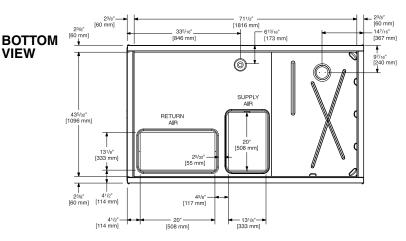


FRONT VIEW - 75^{17/32"} [1919 mm] CONTROL BOX ACCESS BURNER ACCESS -POWER ENTRY [889 mm] -CONTROL ENTRY 97/₃₂" 117/₃₂" [234 mm] [285 mm] 77/32" [183 mm] 00

SUPPLY GAS ENTRY 1/2" NPT

SIDE VIEW — 461/2" — [1181 mm]

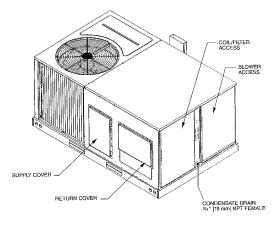




[] Designates Metric Conversions

VIEW

— 241/4"— [616 mm]



FEATURES FOR GAS/ELECTRIC ROOFTOP UNITS RKNN-C/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.
- Easily removable filter, blower, gas heat, and compressor/ control access panels permits prompt service.
- Powder Paint Finish meets ASTMB117 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 ClearControl[™], 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 | 14" Full Perimeter Roofcurb |
|---|--|
| Disconnect w/Non-Powered | 24" Full Perimeter Roofcurb |
| Convenience Outlet | Roofcurb Adapter \square |
| Low Ambient w/Comfort Alert® Control□ | Concentric Diffuser |
| Single Enthalpy Economizer | Manual Outside Air Intake Damper \square |
| w/Barometric Relief and DDC | Motorized Outside Air Intake Damper \Box |
| Single Enthalpy Economizer w/Barometric | Motorized Outside Air Intake Damper |
| Relief, Smoke Detector and DDC□ | w/DDC Feedback |
| Louver Kit (3 Sides) | Dual Enthalpy Adapter□ |
| Service Disconnect | Power Exhaust |
| Comfort Alert® Control | CO₂ Sensor (wall mount with LCD) |
| Field Installed | Thermostats |
| Natural Gas High Altitude Kit□ | BACnet® Communication Card |
| Propane Conversion Kit | 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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"In keeping with its policy of continuous progress and product improvement, Rheem reserves the right to make changes without notice."

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