



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:

TWO-STAGE MULTI-POSITION GAS FURNACE S96T

Input Rates 40 to 115 kBTU [11.72 to 33.71 kW]

JOB NAME _____ MODEL NO. _____
 CONTRACTOR _____ OUTDOOR UNIT MODEL NO. _____
 ENGINEER _____ LOCATION _____
 SUBMITTED FOR ☐ APPROVAL ☐ RECORD ORDER NO. _____
 DATE _____

UNIT DATA

HEATING PERFORMANCE

TOTAL CAPACITY INPUT* MBH [kW]
 TOTAL CAPACITY OUTPUT* MBH [kW]
 DESIGN TEMP. RISE °F [°C] DB
 AFUE %
 CALIFORNIA SEASONAL
 EFFICIENCY %
 (*uses blower motor heat)

SUPPLY AIR BLOWER PERFORMANCE

TOTAL AIR SUPPLY CFM [L/s]
 TOTAL RESISTANCE EXTERNAL
 TO UNIT IWG
 BLOWER SPEED RPM
 POWER OUTPUT REQUIREMENT BHP
 MOTOR RATING HP [W]
 POWER INPUT REQUIREMENT kW

ELECTRICAL DATA

POWER SUPPLY Hz
 TOTAL UNIT AMPACITY AMPS
 MINIMUM WIRE SIZE AWG
 MAXIMUM OVERCURRENT DEVICE
 FUSES/HACR BREAKER AMPS

FEATURES FOR S96T

- Up to 96% residential gas furnace CSA certified
- 4 way multi-poise design
- Two stages of operation to save energy and maintain optimal comfort level.
- 7-Segment LED all units
- Direct Spark Ignition for reliability and longevity
- Water Management System with patented Blocked Drain Sensor
- Heat exchanger is removable for improved serviceability. Primary is constructed of aluminized steel, secondary is constructed of stainless steel, for maximum corrosion resistance and thermal fatigue reliability.
- Low profile "34 inch" cabinet ideal for space constrained installations.
- Blower Shelf design – serviceable in all furnace orientations
- Pre marked hoses – insures proper system drainage
- Vent with 2" or 3" PVC
- Replaceable Collector box
- Hemmed edges on cabinet and doors
- Solid bottom included
- Quarter turn fasteners for tool less access
- Integrated control boards feature dip switches for easy system set up
- Self priming condensate trap

†A.F.U.E. (Annual Fuel Utilization Efficiency) calculated in accordance with Department of Energy test procedures.

FIELD INSTALLED ACCESSORIES

Vent Termination Kits Concentric:

Vertical/Horizontal = RXGY-E03A-E02A (US & Canadian Installations) ☐

Combustion Air Drain Kit

RXGY-D05, RXGY-D06 ☐

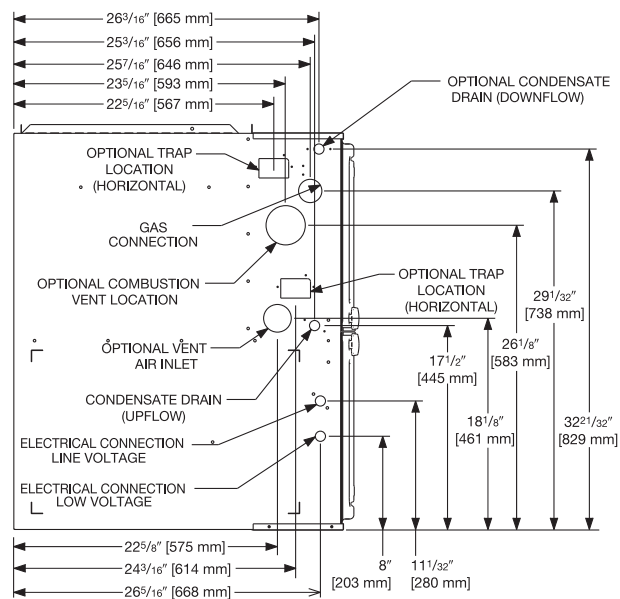
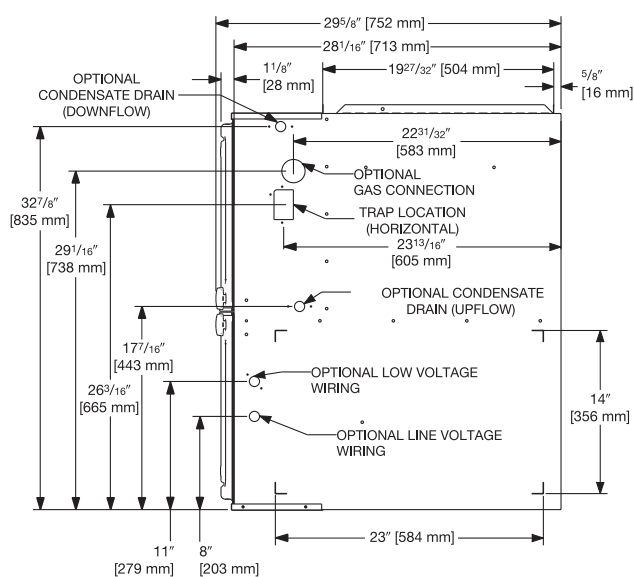
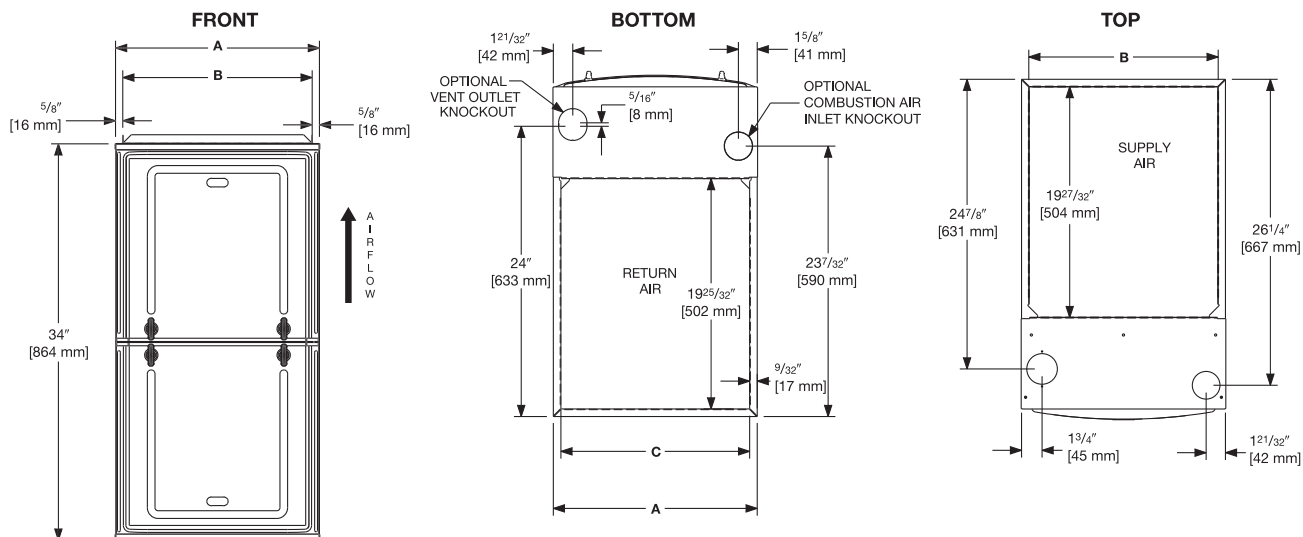
Neutralizer Kit: RXGY-A01 ☐

External Bottom Filter Rack RXGF-CB ☐

External Side Filter Rack RXGF-CD ☐

External (Downflow) Filter Rack RXGF-CC ☐





UNIT DIMENSIONS (CLEARANCE TO COMBUSTIBLES)

| MODEL S96T | LEFT SIDE | MINIMUM CLEARANCE (IN.) [mm] | | | | | SHIP WGT. (LBS.) [kg] | FLANGE DIMENSIONS | | |
|---------------|--------------|------------------------------|------|--------|--------|------|--------------------------|-------------------|----------------|----------------|
| | | RIGHT SIDE | BACK | TOP | FRONT | VENT | | A | B | C |
| 040 | 0 | 0 | 0 | 1 [25] | 2 [51] | 0 | 123.5 [56] | 17 1/2 [445] | 16 17/64 [413] | 16 13/64 [412] |
| 060 | 0 | 0 | 0 | 1 [25] | 2 [51] | 0 | 128 [58] | 17 1/2 [445] | 16 17/64 [413] | 16 13/64 [412] |
| 070 | 0 | 0 | 0 | 1 [25] | 2 [51] | 0 | 132 [60] | 17 1/2 [445] | 16 17/64 [413] | 16 13/64 [412] |
| 085 | 0 | 0 | 0 | 1 [25] | 2 [51] | 0 | 147.5 [67] | 21 [533] | 19 49/64 [502] | 19 45/64 [500] |
| 100 | 0 | 0 | 0 | 1 [25] | 2 [51] | 0 | 152 [69] | 21 [533] | 19 49/64 [502] | 19 45/64 [500] |
| 115 | 0 | 0 | 0 | 1 [25] | 2 [51] | 0 | 165 [75] | 24 1/2 [622] | 23 17/64 [591] | 23 13/64 [589] |

*A service clearance of at least 24" is recommended in front of all furnaces
Supply and return depicted as upflow configuration.
Flange configuration will vary depending on installation orientation.

[] Designates Metric Conversions



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.