Russell®
By Rheem

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:

Vantix™ Line S801V Ultra Low NOx Gas Furnaces
Heating Stages: Single Stage
Input Rates: 50-100 kBTU [14.7-29.3 kW]

JOB NAME _____   LOCATION _____

CONTRACTOR _____   ORDER NO. _____

ENGINEER _____   UNIT MODEL NO. _____

SUBMITTED FOR   ☐ APPROVAL   ☐ RECORD   COIL MODEL NO. _____

DATE _____   AIR HANDLER MODEL NO. _____

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

- **Ultra Low Greenhouse Gas Emissions:** Certified unit meets 14ng/j NOx emission standard – reducing NOx emissions by 65%

- **Diagnostics:** With the Contractor & EcoNet® Apps, built-in EcoNet® & Bluetooth®[1] technology makes monitoring, troubleshooting and repairing the product easier than ever before

- **Dip Switch Free Installation Commissioning via Bluetooth® Technology:** Seamless final install step without DIP switch configuration using the Rheem Contractor App

- **Ignition System:** Proven Direct Spark Ignition (DSI) for reliability and longevity

- **Constant CFM Motor:** Truly variable speed technology allows for ultimate humidity control, quieter sound levels and year-round energy savings

- **Quieter Operation[2]:** A fully insulated blower cabinet, solid bottom and truly variable speed airflow technology makes this furnace one of the quieter options available

- **EcoNet® Enabled Furnace:** The latest in sensor technology and the EcoNet® monitoring system provides a new level of protection, control and energy savings

- **Allows on-the-go control** and receipt of system alerts by the homeowner via the EcoNet® Smart Thermostat and EcoNet® App[3]

FIELD INSTALLED ACCESSORIES

External Bottom Filter Rack RXGF-CB ....☐

External Side Filter Rack RXGF-CD ....☐

Indoor Coil Casing RXBC-D17A1 ....☐

Indoor Coil Casing RXBC-D21A1 ....☐

Indoor Coil Casing RXBC-D21B1 ....☐

Solid Bottom Kit RXGB-D17 ....☐

Solid Bottom Kit RXGB-D21 ....☐

ISO 9001:2015

[1]The Bluetooth® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. and any use of such marks by Rheem® is under license. Other trademarks and trade names are those of their respective owners.

[2]Based on manufacturer's furnace offering, and the product's heating stages, motor type and cabinet insulation. Sound levels are also dependent on furnace location and installation.

[3]Wifi broadband internet connection required. Download the EcoNet® App from the App Store® or Google Play® to set up your EcoNet® Smart Thermostat. Receipt of notifications depend on home WiFi set up. Amazon, Alexa and all related logos are trademarks of Amazon.com, Inc. or its affiliates.

WARNING
THIS FURNACE IS NOT APPROVED
OR RECOMMENDED FOR INSTALLATION
ON ITS BACK, WITH ACCESS DOORS
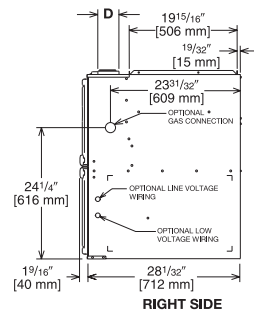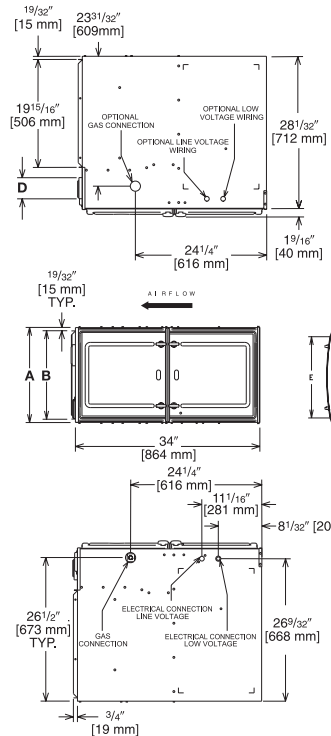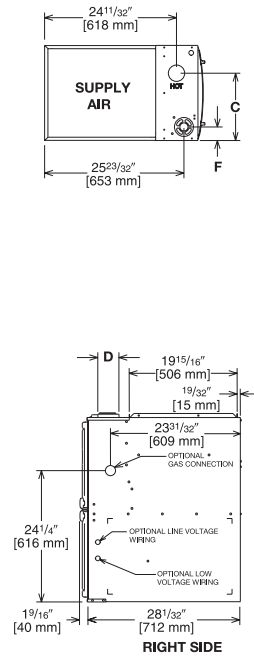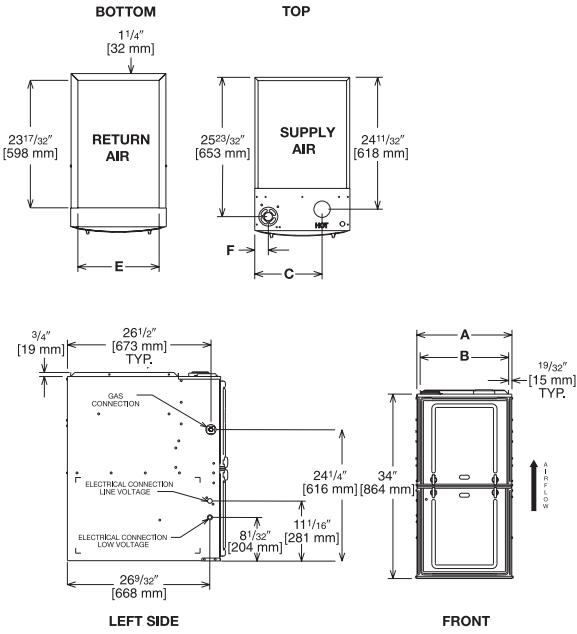FACING UPWARDS.

Upflow Application

Illustration
ST-A1220-04-00
FIGURE 1

Illustration
ST-A1220-04-00
FIGURE 2

Dimensional Data: Upflow Model

MODEL S801V ULN	A	B	C	D	E	F	MINIMUM CLEARANCE (IN.) [mm]					
							LEFT SIDE	RIGHT SIDE	BACK	TOP	FRONT	VENT
050/070	17 1/2 [445]	16 11/32 [415]	12 3/8 [314]	①	15 [381]	2 1/2 [64]	0	3 [76] ②	0	1 [25]	3 [76]	6 [152] ③
100	21 [533]	19 27/32 [504]	14 1/8 [359]	①	18 1/2 [470]	2 1/2 [64]	0	0	0	1 [25]	3 [76]	6 [152] ③

Dimensional Data: Horizontal Model

MODEL S801V ULN	A	B	C	D	E	F	MINIMUM CLEARANCE (IN.) [mm]					
							SUPPLY AIR SIDE	RETURN AIR SIDE	BACK	TOP	FRONT	VENT
050/070	17 1/2 [445]	16 11/32 [415]	12 3/8 [314]	①	15 [381]	2 1/2 [64]	3 [76] ②	3 [76] ②	0	1 [25]	3 [76]	6 [152] ③
100	21 [533]	19 27/32 [504]	14 1/8 [359]	①	18 1/2 [470]	2 1/2 [64]	0	0	0	1 [25]	3 [76]	6 [152] ③

NOTES: ① May require a 3" [76 mm] to 4" [102 mm] or 3" [76 mm] to 5" [127 mm] adapter.
② May be 0" [0 mm] with type B vent.
③ May be 1" [25 mm] with type B vent.
Furnaces must be vented in accordance with the National Fuel Gas Code, ANSI Z223.1 and in accordance with local codes.

[   ] 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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