



FRIEDRICH

1 8 8 3

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:

Endeavor® Line FR972V Upflow Gas Furnaces

Heating Stages: Two-Stage

Input Rates: 40 to 115 kBTU [11.7 to 33.7 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

- **PlusOne® Energy Efficiency:** ENERGY STAR® certified, featuring 97% AFUE across all model sizes
- **PlusOne Diagnostics:** With the Contractor & EcoNet® Apps, built-in EcoNet & Bluetooth®2 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 Contractor App
- **PlusOne Ignition System:** Proven Direct Spark Ignition (DSI) for reliability & longevity
- **PlusOne Water Management System:** Exclusive patented block drain sensor that automatically shuts off the furnace when the drain is blocked and alerts the contractor via diagnostic code
- **Two-Stage Heating:** Furnace operation mainly stays at low capacity around 70%, but will switch to high capacity to deliver stable heat distribution
- **Constant CFM Motor:** Truly variable speed technology allows for humidity control, quieter sound levels and year-round energy savings
- **Quieter Operation³:** 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 App⁴
- **Certified for use in elevations up to 10,000 feet**

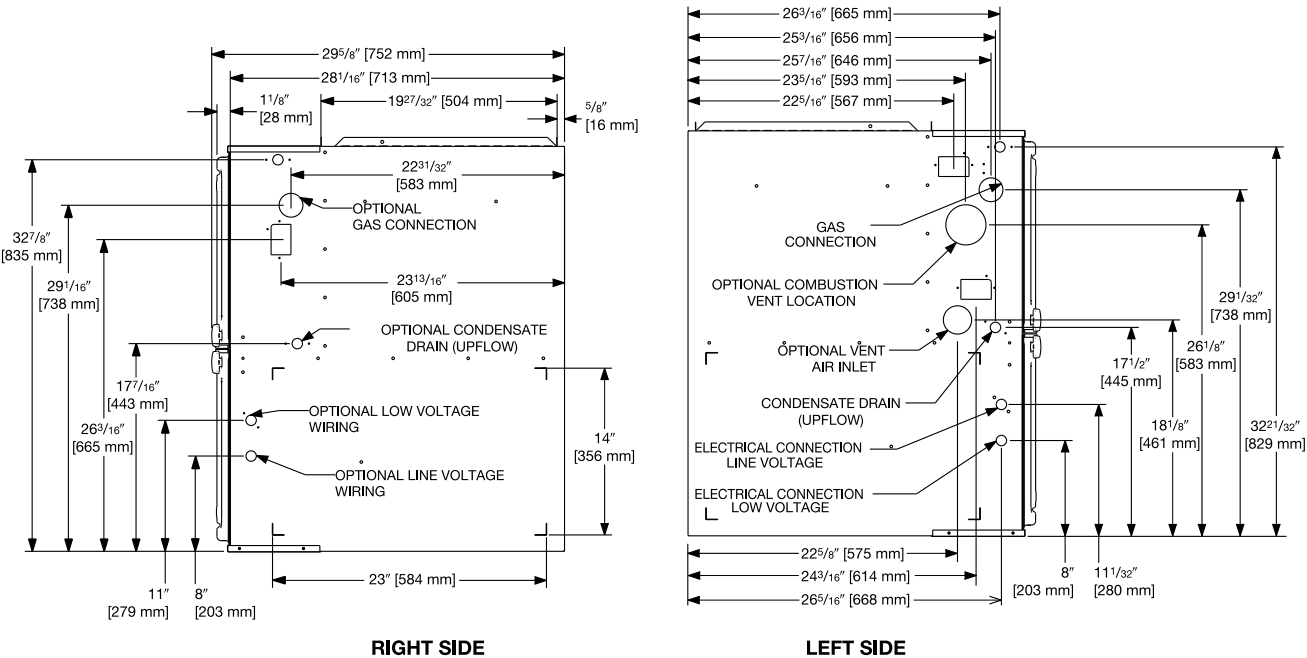
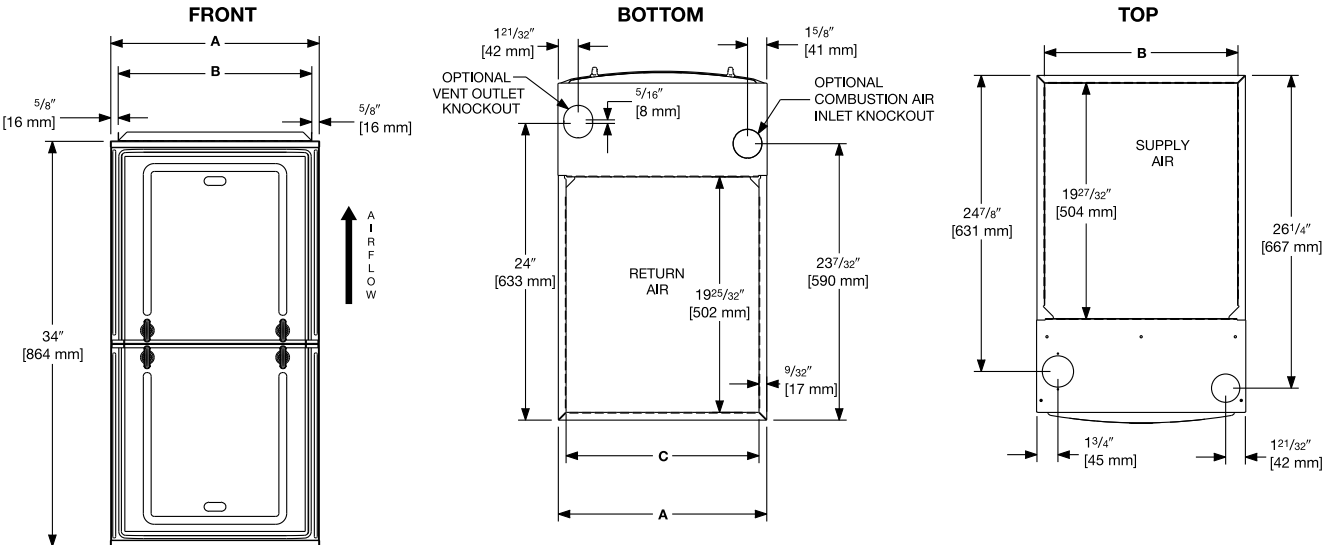
FIELD INSTALLED ACCESSORIES

Vent Termination Kits Concentric:

- Vert/Horz 2" Pipe (US only) = RXGY-E02 ☐
- Vert/Horz 2" Pipe (US & Canada) = RXGY-E02A..... ☐
- Vert/Horz 3" Pipe (US only) = RXGY-E03 ☐
- Vert/Horz 3" Pipe (US & Canada) = RXGY-E03A..... ☐
- Direct Vent Furnace Side Wall Vent 2" or 3" (US only) = RXGY-G02 ☐
- External Bottom Filter Rack (Upflow) = RXGF-CB ☐
- External Side Filter Rack (Upflow) = RXGF-CD ☐
- Combustion Air Drain Kit 2" = RXGY-D05..... ☐
- Combustion Air Drain Kit 3" = RXGY-D06..... ☐
- Neutralizer Kit = RXGY-A01 (Replacement Cartridge 54-22120-01) ☐
- Fossil Fuel Kit = RXPFF-F01, RXPFF-F02 (TVA) ☐



¹Proper sizing and installation of equipment is critical to achieve optimal performance. Split system air conditioners and heat pumps must be matched with appropriate coil components to meet ENERGY STAR®. Ask your Contractor for details or visit www.energystar.gov. ²The 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. ³Based 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. ⁴Wifi 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.



Unit Dimensions (Clearance to Combustibles)

MODEL FR972V	LEFT SIDE	MINIMUM CLEARANCE (IN.) [mm]					FLANGE DIMENSIONS		
		RIGHT SIDE	BACK	TOP	FRONT	VENT	A	B	C
040	0	0	0	1 [25]	2 [51]	0	17 1/2 [445]	16 17/64 [413]	16 13/64 [412]
060	0	0	0	1 [25]	2 [51]	0	17 1/2 [445]	16 17/64 [413]	16 13/64 [412]
070	0	0	0	1 [25]	2 [51]	0	17 1/2 [445]	16 17/64 [413]	16 13/64 [412]
070 (wide)	0	0	0	1 [25]	2 [51]	0	21 [533]	19 49/64 [502]	19 45/64 [500]
085	0	0	0	1 [25]	2 [51]	0	21 [533]	19 49/64 [502]	19 45/64 [500]
100	0	0	0	1 [25]	2 [51]	0	21 [533]	19 49/64 [502]	19 45/64 [500]
115	0	0	0	1 [25]	2 [51]	0	24 1/2 [662]	23 17/63 [591]	23 13/64 [589]

[] 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, manufacturer reserves the right to make changes without notice.

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