



# 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 (-)802V Downflow Gas Furnaces

## Heating Stages: Two Stage

## Motor Type: Constant CFM

## Input Rates: 50-125 kBTU [14.6-36.6 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® 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 Contractor App
- **PlusOne® Ignition System:** Proven Direct Spark Ignition (DSI) for reliability and longevity
- **Two-Stage Heating:** Furnace operation mainly stays at low capacity around 60-65%, but will switch to high capacity to deliver stable heat distribution
- **Constant CFM Motor:** Truly variable speed technology allows for ultimate humidity control, quieter sound levels and year-round energy savings
- **Quieter Operation<sup>2</sup>:** 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<sup>3</sup>

### FIELD INSTALLED ACCESSORIES

Filter Rack RXGF-CC\* .....

\*Downflow Top Return Mount Requires (2) 14 x 20 Filters. Filter Racks are shipped without filters. Filters available through PROSTOCK®.



<sup>1</sup>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.

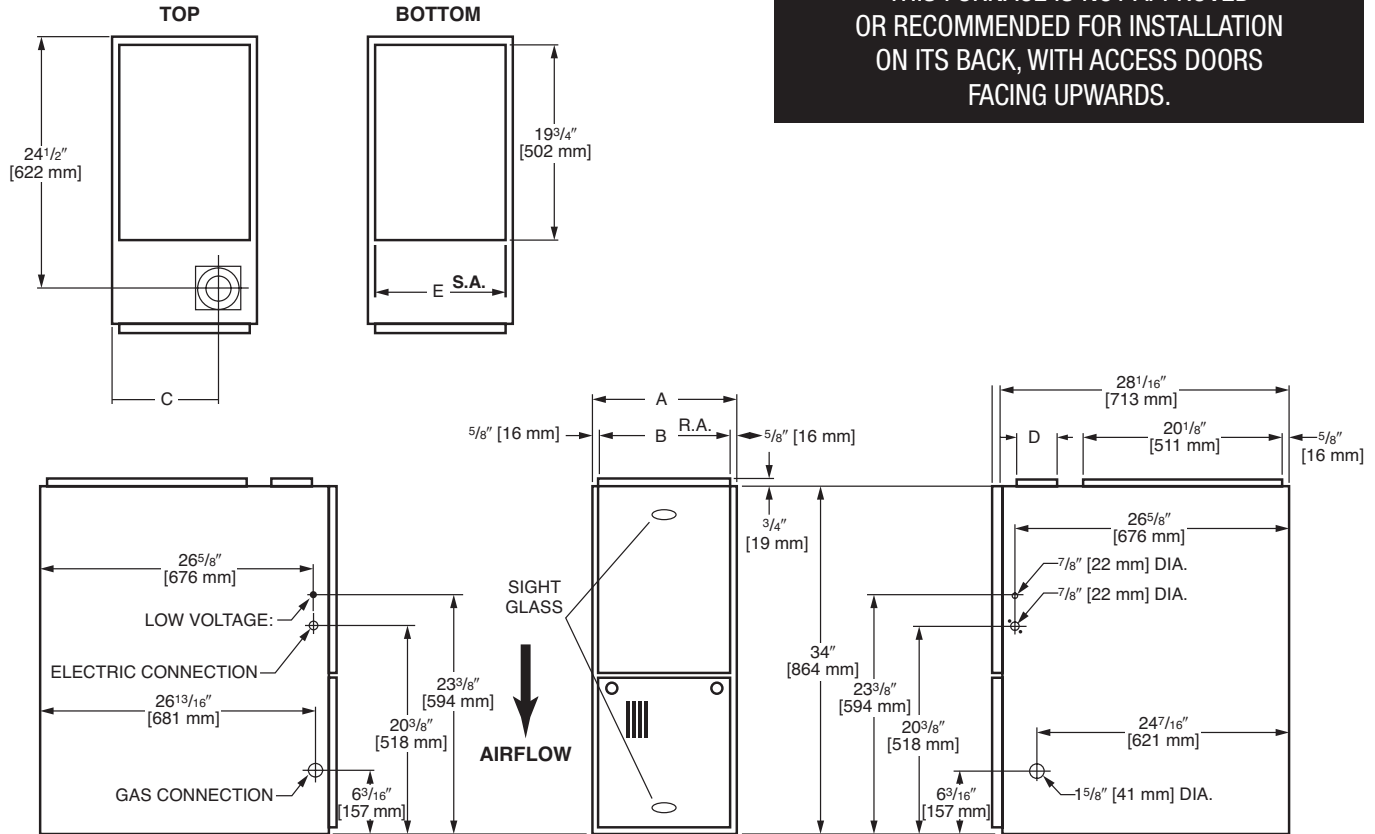
<sup>2</sup>Based on manufacturer's furnace offering, and the product's heating stages, motor type and cabinet insulation. Sound levels are also dependent on furnace location and installation.

<sup>3</sup>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.

(-)802V DZ

## Downflow Application

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



## Dimensional Data: Downflow Model

MODEL (-)802V-DZ	A	B	C	D	E	REDUCED CLEARANCE (IN.) [mm]					
						LEFT SIDE	RIGHT SIDE	BACK	TOP	FRONT	VENT
050	14 [356]	$12\frac{27}{32}$ [326]	$10\frac{3}{8}$ [264]	①	$13\frac{1}{8}$ [333]	0	4 [102] ②	0	1 [25]	3 [76]	6 [152] ③
075417	$17\frac{1}{2}$ [445]	$16\frac{11}{32}$ [415]	$12\frac{1}{8}$ [308]	①	$16\frac{5}{8}$ [422]	0	3 [76] ②	0	1 [25]	3 [76]	6 [152] ③
075521	21 [533]	$19\frac{27}{32}$ [504]	$13\frac{7}{8}$ [352]	①	$20\frac{1}{8}$ [511]	0	0	0	1 [25]	3 [76]	6 [152] ③
100	21 [533]	$19\frac{27}{32}$ [504]	$13\frac{7}{8}$ [352]	①	$20\frac{1}{8}$ [511]	0	0	0	1 [25]	3 [76]	6 [152] ③
125	$24\frac{1}{2}$ [622]	$23\frac{11}{32}$ [592]	$15\frac{5}{8}$ [397]	①	$23\frac{5}{8}$ [600]	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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