TECHNICAL SPECIFICATIONS

FG7SA

Single Stage Upflow/Horizontal and Downflow Gas Furnaces

Induced Draft - 80+ AFUE
Input 54,000 - 108,000 Btuh

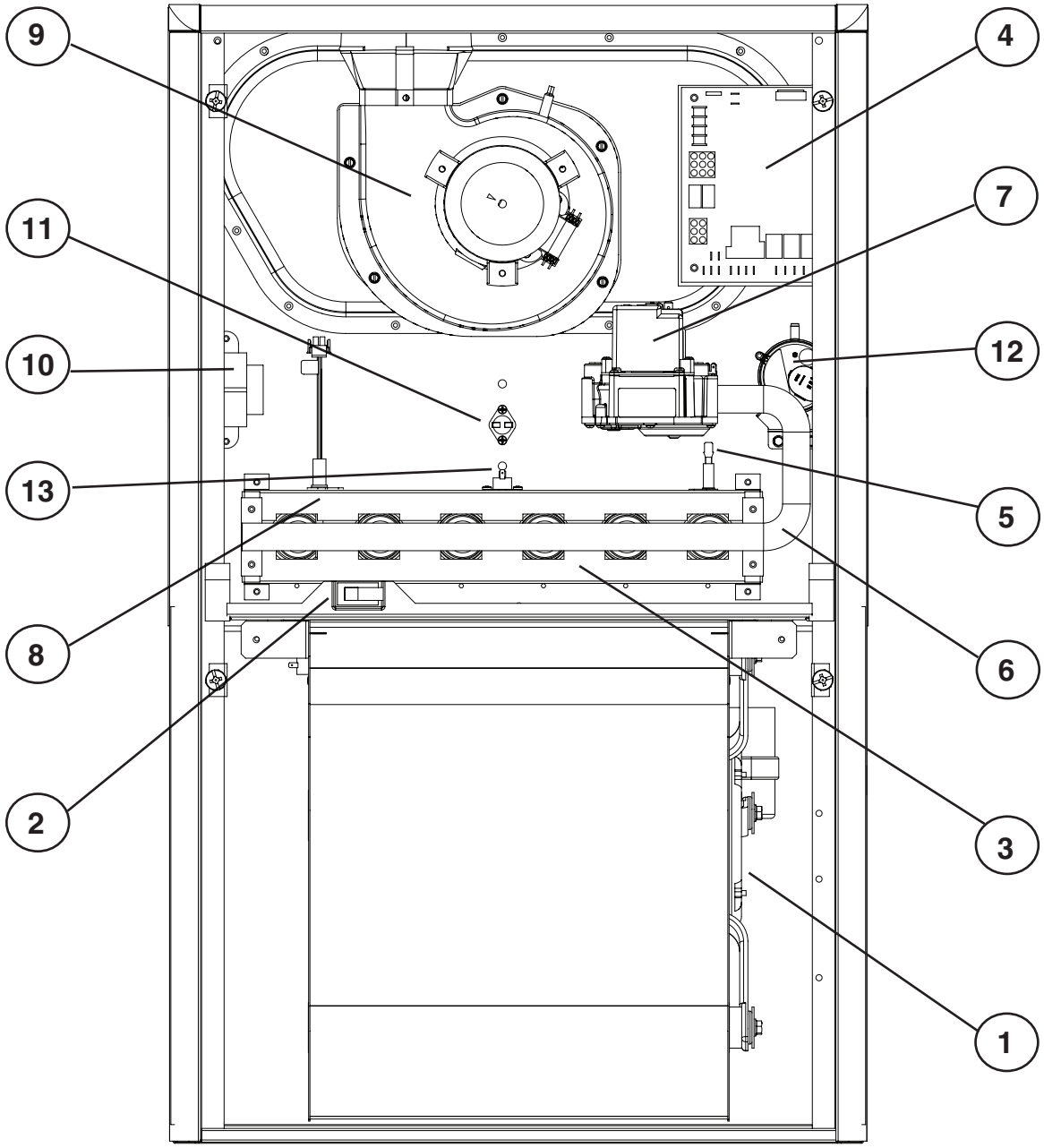
The gas furnace may be installed free standing in a utility room, basement, or enclosed in an alcove or closet. The rounded corner jacket provides a pleasing “appliance appearance.” Design certified by UL.



FEATURES and BENEFITS

- **100% fired and tested:** All units and each component are tested on the manufacturing line.
- **Best packaging in the industry:** Unique corner post design assures product will arrive to the homeowner dent free.
- **Low Boy Height:** Easy to apply in low ceiling applications, works well with taller high SEER coils, easier to handle and install.
- **Tubular primary heat exchanger:** Heavy gauge aluminized steel heat exchanger assures a long life.
- **20 second blower delay at start-up:** Assures a warm duct temperature at furnace start-up. Adjustable blower off settings (60, 90, 120 and 180 seconds).
- **45 second post purge:** Increases life of heat exchanger.
- **Hot surface igniter:** Innovative application of a silicon nitride igniter.
- **Color coded wire harness:** Designed to fit the components, all with quick-connect fittings for ease of service and replacement.
- **High static blowers:** All models equipped with high static blowers.
- **40 second cooling cycle blower-off delay (TDR):** increases cooling performance.
- **Flexible category I venting system:** May be vented with dedicated venting system or common vented with other category one appliances.
- **Multi-speed direct drive blower:** Energy-efficient, brushless DC (ECM). Designed to give a wide range of cooling capacities. Dip switches on PCB provide easy motor speed selection.
- **LP convertible:** Simple burner orifice and regulator spring change for ease of convertibility.
- **Integrated control board:** Incorporates connections for electronic air cleaner and humidifier. Ergonomically located for ease of service.
- **Two piece door design:** Enhances furnace appearance and uses captured screws to prevent losing door screws.
- **Blower Compartment:** Insulated for ultra quiet operation.
- **Furnace Air Leakage:** These furnaces comply with Energy Star cabinet air leakage requirement of less than or equal to 2%. Keep the conditioned air flowing to where it's needed.

GAS FURNACE COMPONENTS

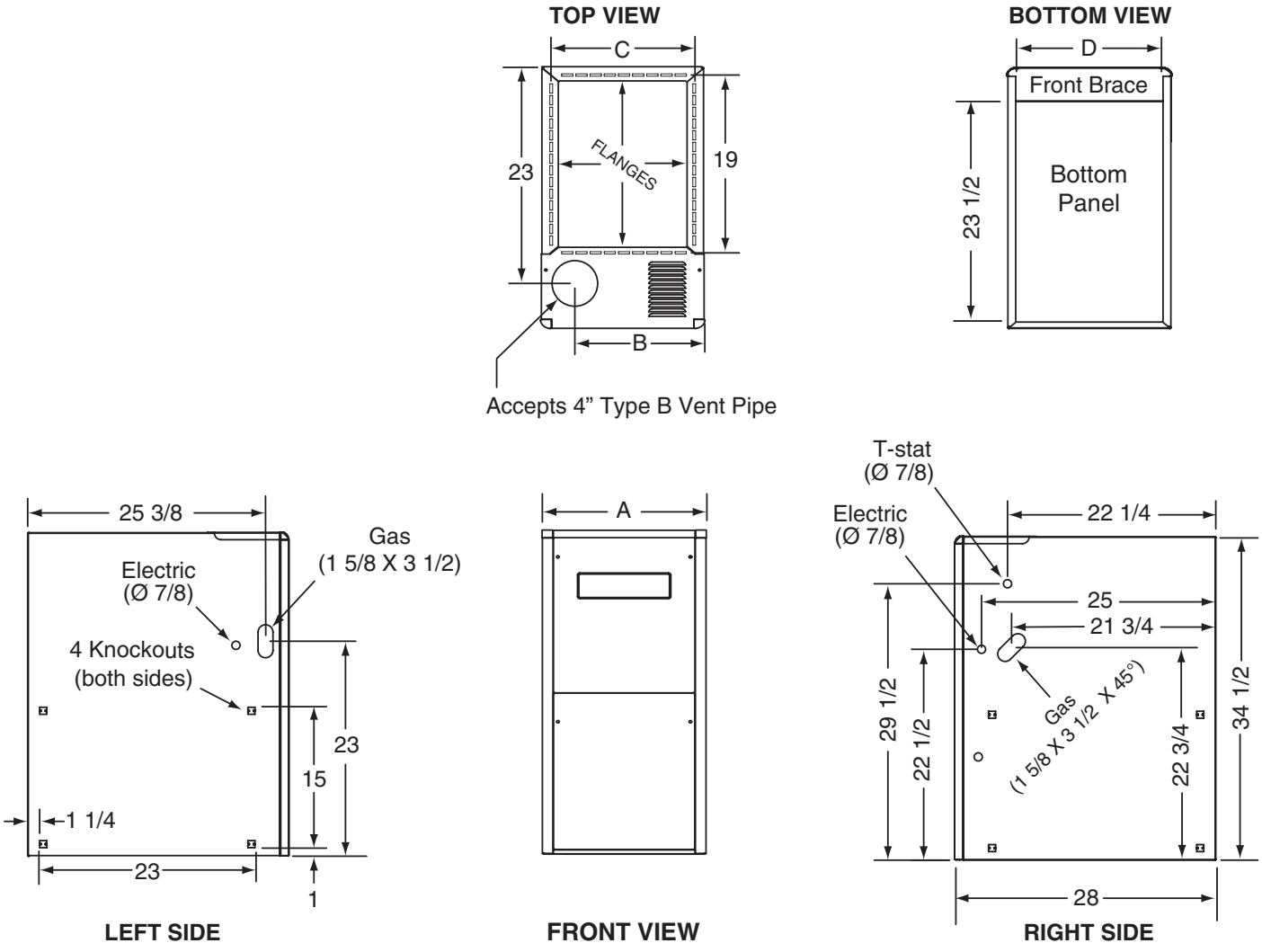


FG7SA Upflow/Horizontal Gas Furnace

1. Blower Assembly
2. Blower Door Switch
3. Burner Assembly
4. Control Board
5. Flame Sensor
6. Gas Manifold
7. Gas Valve
8. Igniter
9. Inducer
10. Low Voltage Transformer
11. Main Air Limit Switch
12. Pressure Switch
13. Roll-Out Switch(s)

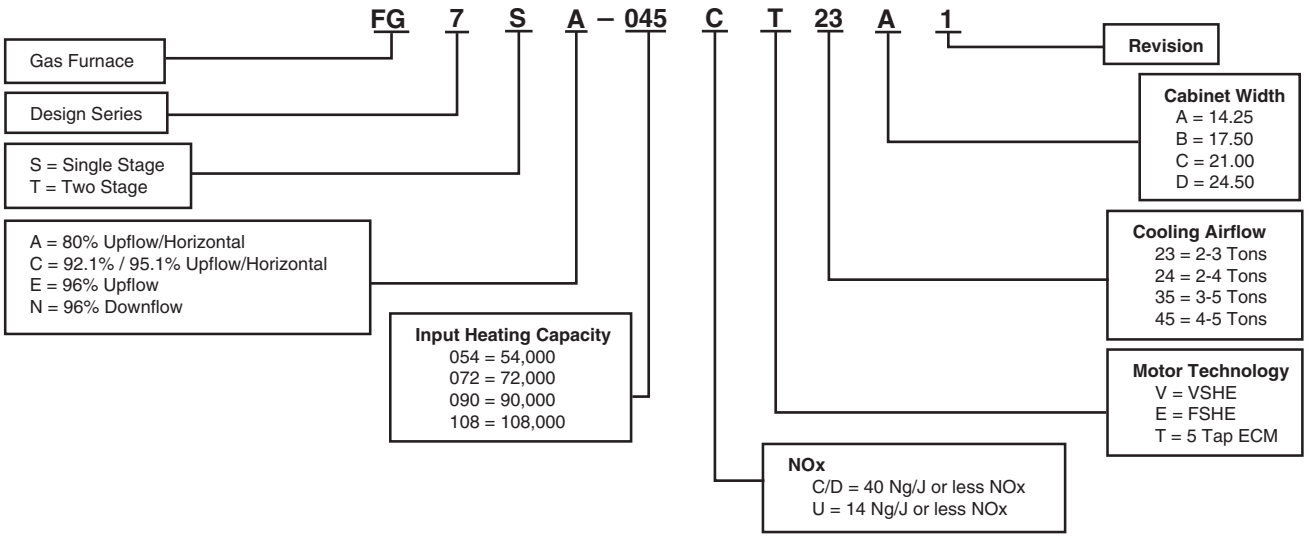
DIMENSIONS

FG7SA Model #'s	Dimension "A"	Dimension "B"	Dimension "C"	Dimension "D"
054-23A	14 1/4	10 3/4	12 5/8	12 7/8
072-24B	17 1/2	11 3/4	15 7/8	16 1/8
090-24B				
090-35C	21	14	19 3/8	19 7/8
108-35C				



FG7SA Single Stage Upflow/Horizontal Series

MODEL IDENTIFICATION CODE



SPECIFICATIONS

FG7SA MODEL NUMBERS	-054-T23A1	-072-T24B1	-090-T24B1	-090-T35C1	-108-T35C1
Input - Btuh (a)	52,000	70,000	90,000	85,000	108,000
Heating Capacity - Btuh	42,000	56,000	72,000	68,000	86,000
AFUE	80.0	80.0	80.0	80.0	80.0
Motor H.P. - Speed - Type	1/2 - 5 - ECM	3/4 - 5 - ECM	3/4 - 5 - ECM	3/4-5-ECM	1-5-ECM
Motor FLA	6.4	8.8	8.8	8.8	11.5
Rated Ext. SP - In. W.C.	0.5	0.5	0.5	0.5	0.5
Temperature Rise Range - ºF	30-60	30-60	35-65	35-65	35-65
Shipping Weights	95 lbs	110 lbs	115 lbs	134 lbs	136 lbs

ACCESSORIES

FG7SA KITS	
Description	**SKU**
U.S. LP Conversion kit (0 to 10,000 ft.) and High Altitude LP	905028

GAS-FIRED C UL US LISTED

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Before purchasing this appliance, read important energy cost and efficiency information available from your retailer. Specifications and illustrations subject to change without notice and without incurring obligations. (05/2024)

GENERAL TERMS OF LIMITED WARRANTY

Ecoer Inc. will furnish a replacement for any part of this product which fails in normal use and service within the terms and conditions of the warranty. For complete details of the Limited Warranty, including applicable terms and conditions, see your local installer or contact the Ecoer Inc. warranty department for a copy. Visit https://www.ecoer.com/warranty/; to get the latest warranty information.