TECHNICAL SPECIFICATIONS

G7SC Series

High Efficiency / Direct Vent or Non Direct Vent Single Stage

Condensing Upflow/Horizontal Gas Furnace

Induced Draft - Up to 92.1% AFUE

Input 38,000 - 120,000 Btuh

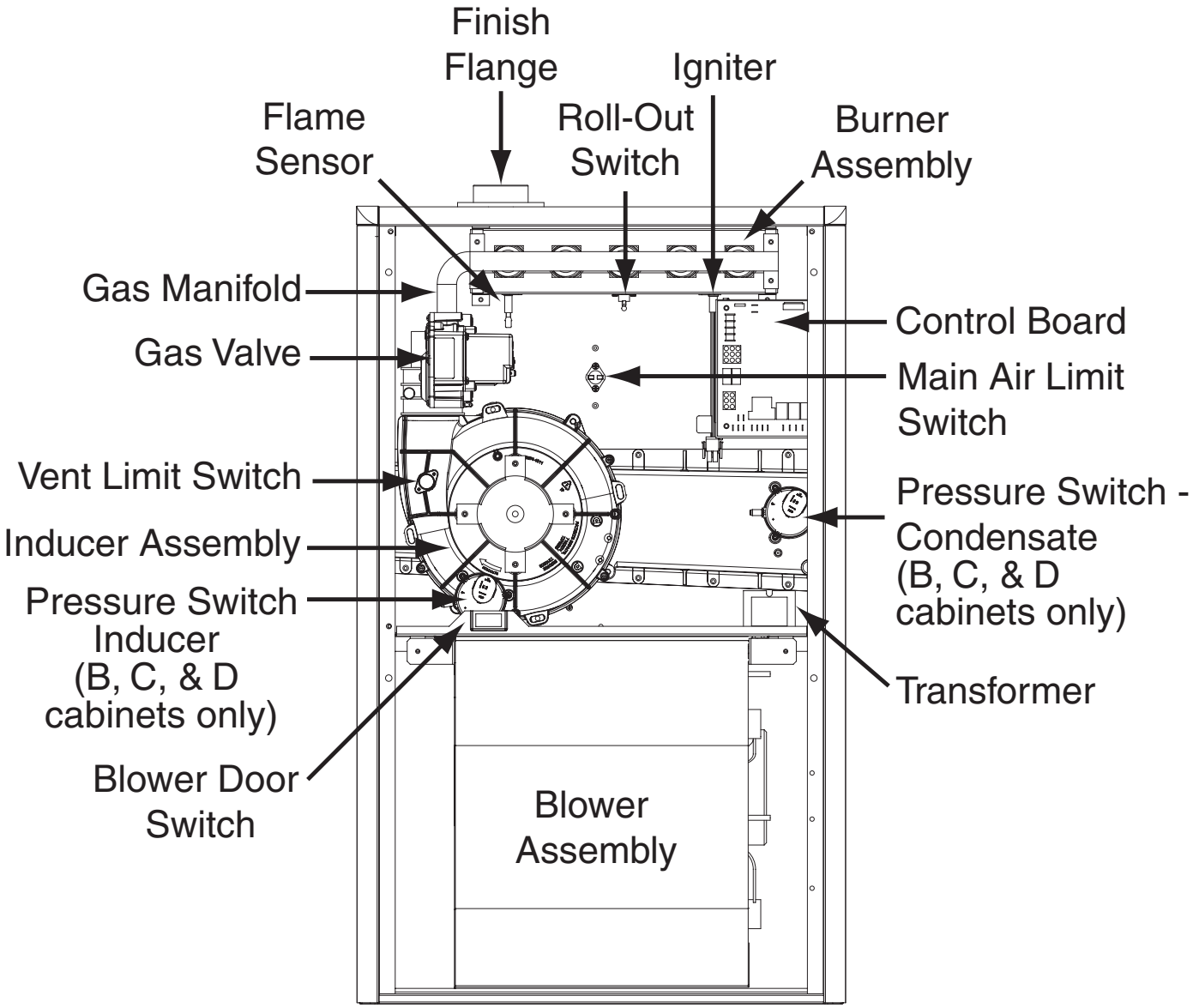
The high efficiency upflow gas furnace may be installed free standing in a utility room, basement, or enclosed in an alcove or closet. Upflow/Horizontal units come ready for upflow or horizontal application. The extended flush jacket provides a pleasing “appliance appearance.”



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.
- **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 an appliance type igniter with a 20 year history of reliability. Utilizes proven Smartlite® technology.
- **Color coded wire harness —** Designed to fit the components, all with quick-connect fittings for ease of service and replacement.
- **Flexible category IV venting system —** May be vertically or horizontally vented using either a one-pipe or two-pipe system for maximum flexibility in installation.
- **High Static Blowers —** All models equipped with high static blowers.
- **Low Boy Height —** Easy to apply in low ceiling applications, works well with taller high SEER2 coils, easier to handle and install.
- **Tubular primary heat exchanger —** Heavy gauge aluminized steel heat exchanger and stainless steel secondary heat exchanger assures a long life.
- **40 second fixed cooling cycle blower-off delay (TDR)** increases cooling performance when matched with a Nordyne coil.
- **Multi-speed direct drive blower —** 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.
- **Incorporates integrated control board** with connections for electronic air cleaner and humidifier.
- **Two piece door design** enhances furnace appearance and uses captured screws to prevent losing door screws.
- **Seated vestibule** reduces burner and inducer sound levels.
- **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.
- **PolyPro by DuraVent and InnoFlue by Centrotherm:** These furnaces have been tested with and are approved to be installed with DuraVent’s PolyPro and Centrotherm’s InnoFlue venting system.

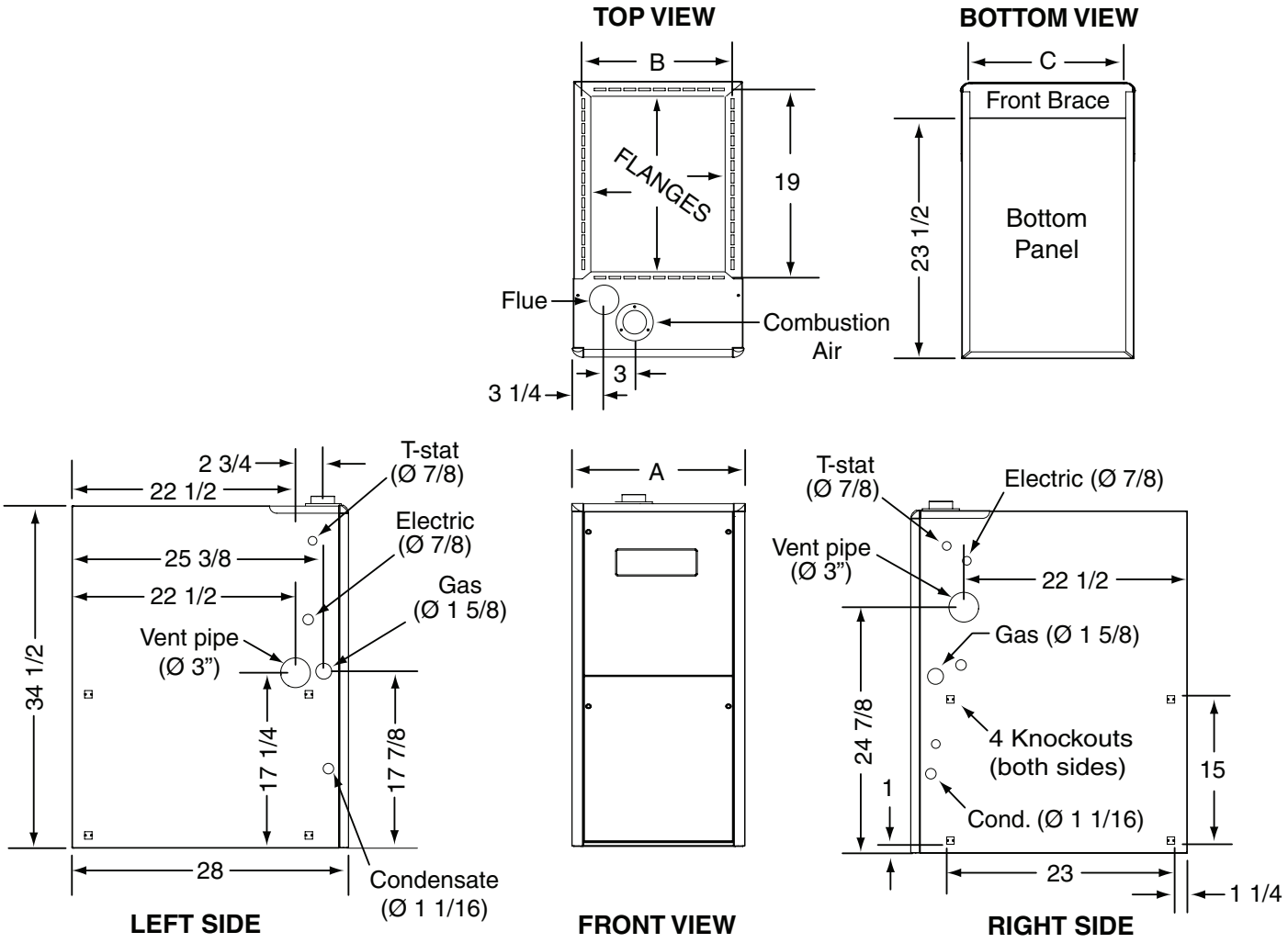
GAS FURNACE COMPONENTS



***G7SC High Efficiency Upflow/Horizontal Series**

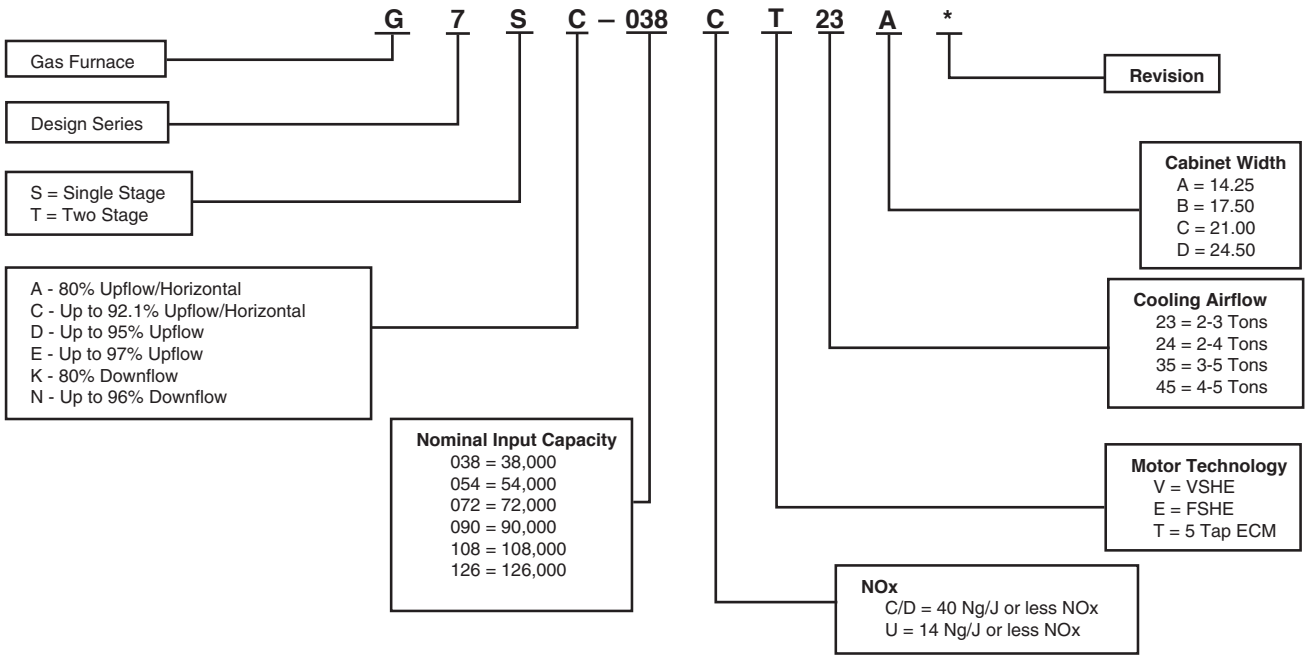
DIMENSIONS

*G7SC Model #'s	Dimension "A"	Dimension "B"	Dimension "C"
038D-T23A*	14-1/4	12-5/8	12-7/8
054D-T24B*	17-1/2	15-7/8	16-1/8
072D-T24B*			
072D-T35C*	21	19-3/8	19-5/8
090D-T35C*			
108D-T45D*	24-1/2	22-7/8	23-1/8
120D-T45D*			



***G7SC High Efficiency Upflow/Horizontal Series**

MODEL IDENTIFICATION CODE



SPECIFICATIONS

G7SC MODEL NUMBERS:	038D-T23A*	054D-T24B*	072D-T24B*	072D-T35C*	090D-T35C*	108D-T45D*	120D-T45D*
Input - Btuh (a)	38,000	54,000	72,000	72,000	90,000	108,000	120,000
Heating Capacity - Btuh	35,000	49,000	66,000	65,000	83,000	97,000	107,000
AFUE	91.5	90	92	90	92.1	90	90
Blower D x W	10 x 6	11 x 8	11 x 8	11 x 10	11 x 10	11 x 10	11 x 10
Motor H.P. - Speed - Type	1/2 - 5 - ECM	3/4 - 5 - ECM	3/4 - 5 - ECM	3/4 - 5 - ECM	1 - 5 - ECM	1 - 5 - ECM	1 - 5 - ECM
Motor FLA	6.4	8.8	8.8	8.8	11.5	11.5	11.5
Rated Ext. SP - In. W.C.	0.50	0.50	0.50	0.50	0.50	0.50	0.50
Temperature Rise Range - ºF	25-55	30-60	35-65	35-65	35-65	40-70	40-70
Shipping Weights (lbs)	100	120	125	130	135	155	155

Note: All models are 120V, 60 Hz. Gas Connections are 1/2" N.P.T.
(a) Ratings to 2,000 ft. Over 2,000 ft. reduce 4% for each 1,000 ft. above sea level.

VENTING

All models are approved for vertical non direct (1 pipe) and direct (2 pipe) venting applications. See Vent Table below for specified sizes and allowable lengths.

VENT TABLE

	SINGLE PIPE LENGTH (FT.) with 1 long radius elbow*		**DIRECT VENT, DUEL PIPE LENGTH (Ft.)** with 1 long radius elbow on each pipe*	
	OUTLET	**OUTLET**	**INLET/OUTLET**	**INLET/OUTLET**
*SC Model #'s	**2"**	**3'**	**2"**	**3"**
038D23A*	50	70	50	70
054D24B*	70	90	70	90
072D24B*	50	90	50	90
072D35C*	50	90	50	90
090D35C*	60	90	60	90
108D45D*	N/A	90	N/A	90
120D45D*	N/A	90	N/A	90

* NOTE:
1. Subtract 2.5 ft. for each additional 2" elbow and 3.5 ft. for each additional 3" elbow.
2. Two 45 degree elbows are equivalent to one 90 degree elbow.
3. One short radius elbow is equivalent to two long radius elbows.
4. Do not include termination elbows in calculation of vent length.
5. This table is applicable for elevations from sea level to 2000 ft. For higher elevations decrease vent pipe lengths by 8% per 1000 ft. of altitude.
6. Only the listed pipe materials are approved for use with G7 Condensing Furnaces.

ACCESSORIES

*G7SC KITS	
Description	**SKU**
2" Concentric vent kit, Canadian and US approved	904952
3" Concentric vent kit, Canadian and US approved	904953
2" Side wall vent kit	904617
3" Side wall vent kit	904347
U.S. LP Conversion kit (0 to 10,000 ft.)	905028
Canada LP Conversion kit (0 to 4,500 ft.)	905029
Side return filter kit	541036
Neutralizer kit	902377

GENERAL TERMS OF LIMITED WARRANTY

Nordyne, LLC 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 Nordyne, LLC warranty department for a copy.

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. Printed in U.S.A (07 /25)

588F-0725 (Replaces 588F-0324)