TECHNICAL SPECIFICATIONS

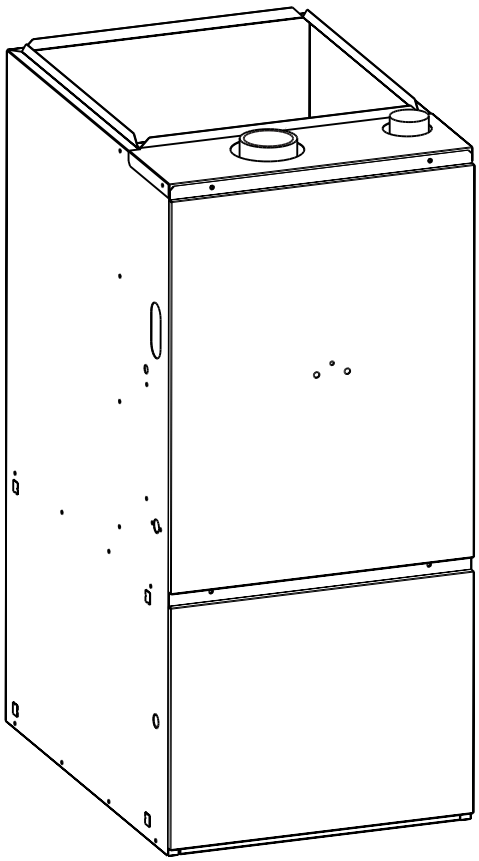
Frigidaire

FG6TE Series

High Efficiency / Direct Vent or Non Direct Vent
2-Stage Condensing Gas Furnace with Variable Speed Blower

95.1 Upflow/Horizontal

The high efficiency 2-Stage gas furnace may be installed free standing in a utility room, basement, or enclosed in an alcove or closet. The upflow model converts easily to horizontal application. The extended flush jacket provides a pleasing "appliance appearance." Design certified by CSA International (Canadian Standards Association).

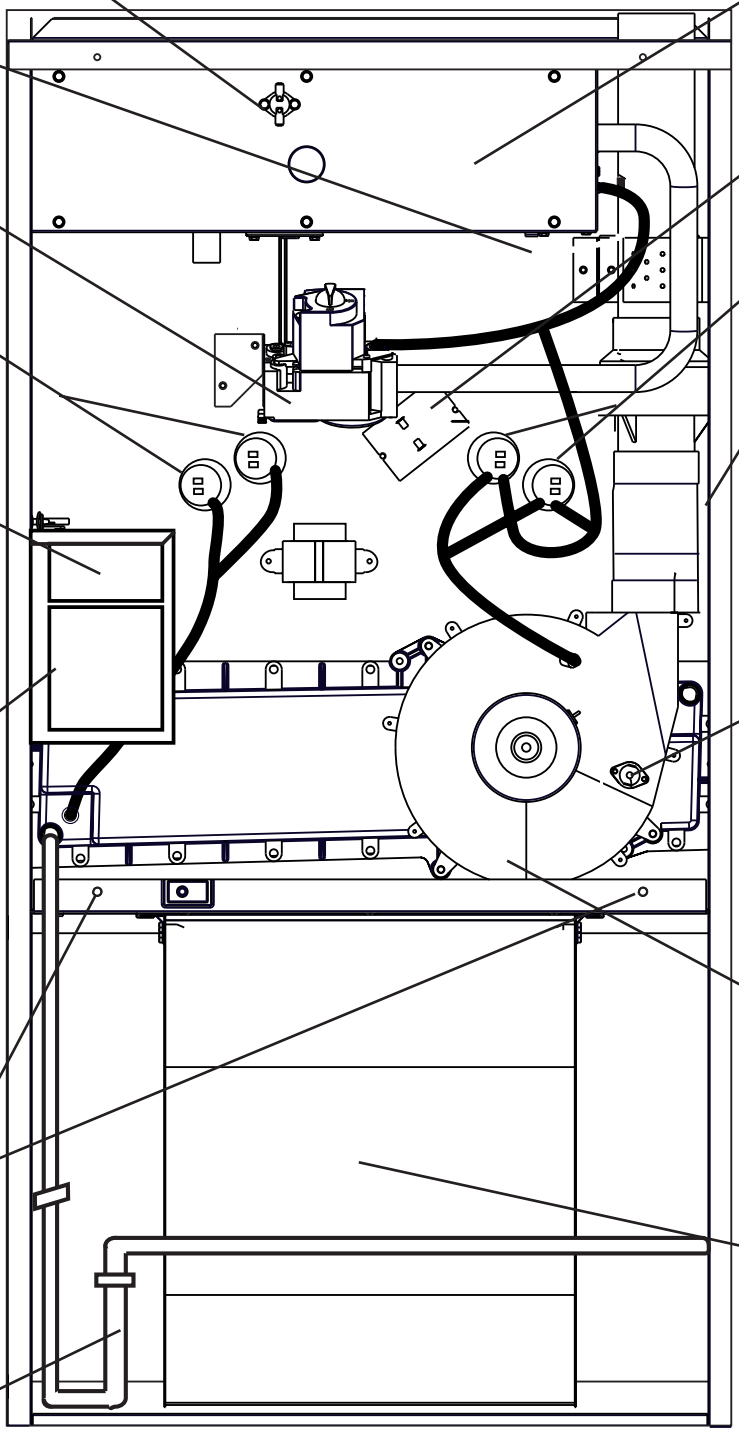


Upflow/ Horizontal Gas Furnace Shown

Features and Benefits

- **Best warranty in the business –**
  – A lifetime warranty on the heat exchanger
  – 8 Year Limited Parts and 5 Year Quality Pledge
- **100% fired and tested –** All units and each component (both mechanical and electrical) are tested on the manufacturing line.
- **Best packaging in the industry –** Unique design assures product will arrive to the homeowner dent free.
- **Clean, quiet, and efficient operation –** Due to the unique design of in-shot burners, location of inducer, use of insulation, and operating at low fire using less fuel than single capacity furnaces.
- **Fixed 30 second blower delay** at burner start-up assures a warm duct temperature at furnace start-up.
- **Fixed 30-second inducer post purge** increases life of heat exchanger.
- **Dependable, hot surface ignitor –** Innovative application of an appliance type ignitor with a 20-year history of reliability, assures no call-backs because of handling.
- **Color coded wire harness –** Designed to fit the components, all with quick-connect fittings for ease of service and replacement.
- **Reliable heat exchanger –** Aluminized primary and stainless steel secondary heat exchanger assures long life.
- **40-second fixed cooling cycle blower-off delay (TDR)** increases cooling performance when matched with a NORDYNE coil.
- **Approved for direct vent and non direct vent furnace, category IV venting system –** May be vertically or horizontally vented using either a one-pipe or two-pipe system for maximum flexibility in installation.
- **Variable speed blower** included to maximize air conditioner and heat pump efficiencies. On selected units, SEER ratings up to 16 and HSPF ratings up to 8.5 are ARI listed.
- **LP convertible –** Simple burner orifice and regulator spring change for ease of convertibility.
- **Factory installed drain system –** for reliable performance.
- **Diagnostic light flashes identify limit failure, pressure switch failure and improper ground and polarization –** for easy troubleshooting.
- **Incorporates integrated control board** with connections for electronic air cleaner, humidifier and twinning.
- **Two piece door design** enhances furnace appearance and uses screw fasteners for great fit and accessibility.
- **3 amp fuse** protection against low voltage shorts; protects transformer and control board.
- **Low voltage terminal board** for easy field wiring.

FEATURES
High Efficiency Upflow 95.1 Gas Furnace



Roll-out switch.

Remote flame sensor for proof of carry-over.

Two Stage Gas Valve.

Pressure switch. Control of condensate level.

Add-on integrated control makes operation of two stage heating and cooling. It has built-in staging timer.

Solid state integrated control monitors the burner flame and limit circuit continuously. Blower timing has adjustable OFF settings. Provides humidifier and electronic air cleaner connections.

Front door screw fasteners ensure tight fit.

Factory installed drain for reliable performance.

Aluminized steel in-shot burners, hot surface ignitor and redundant gas valve provide safe, reliable ignition and efficient combustion.

Supply air limit.

Pressure switch assures proper operation of the induced draft system.

Counterflow heat exchanger orientation and aluminized steel tubular design, means improved efficiency and durability. (Not Shown)

Vent switch protects against blocked flue.

Induced draft blower provides quiet and reliable operation.

Variable speed motor/blower provides quiet airflow, reliable operation, and is installed on a slide out track.

STANDARD EQUIPMENT

Direct vent; draft inducer; pressure switch; redundant main gas control; hot-surface ignition; timed ON/OFF blower controls (TDR); 40VA transformer for air conditioner application; limit controls; direct drive motor; all models can be converted to use L.P. (propane) gas. Factory approved kits *only* must be used and are available as an optional accessory from your NORDYNE distributor.

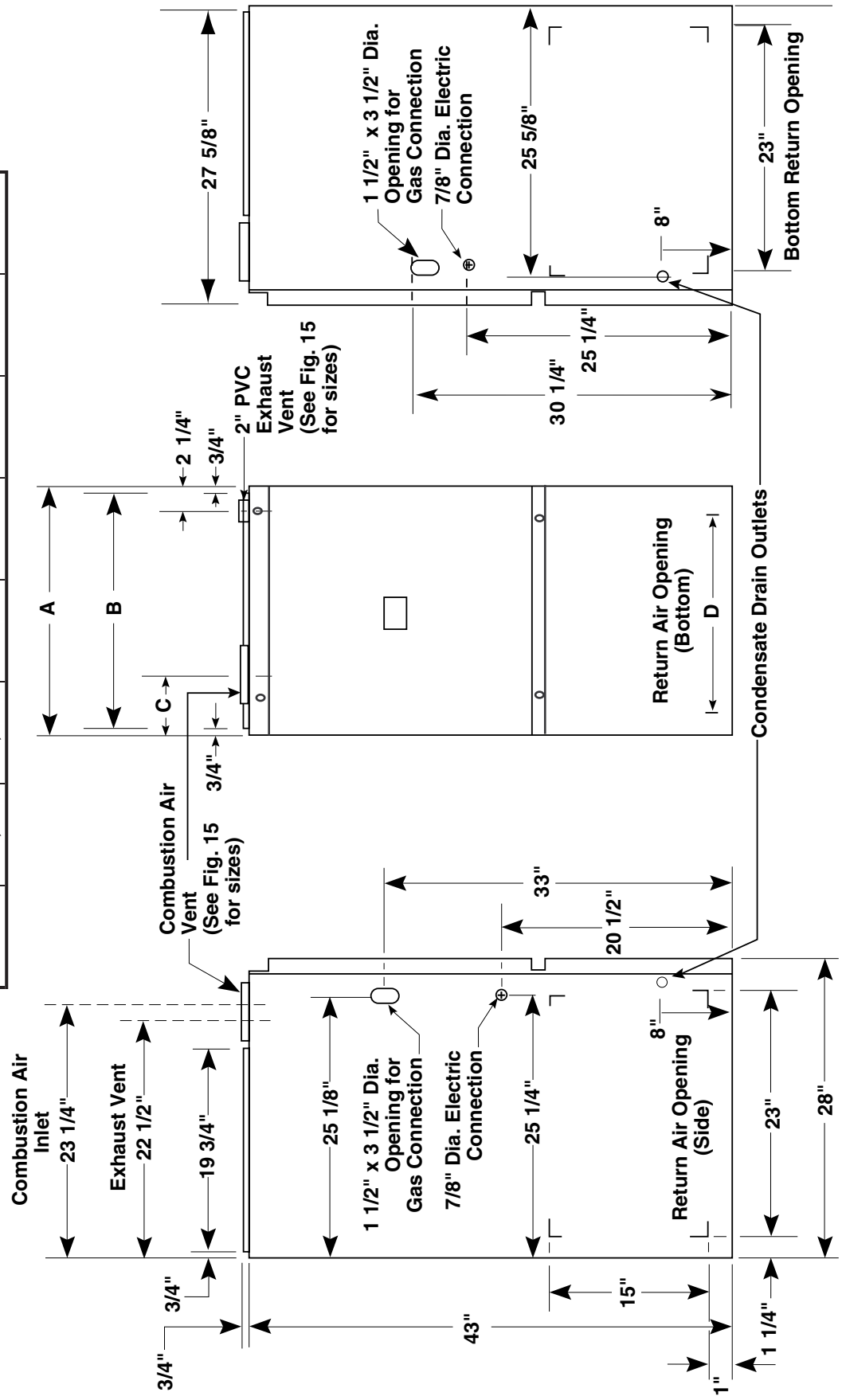
SPECIFICATIONS

MODEL NUMBER *TE	060(C,N)-VA	080(C,N)-VB	100(C,N)-VB	120(C,N)-VC
High Fire Rated Input(Btu/h) (a)	60,000	80,000	100,000	120,000
High Fire Heating Capacity(Btu/h)	57,000	76,000	95,000	114,400
Low Fire Rated Input(Btu/h) (a)	42,000	56,000	70,000	84,000
Low Fire Heating Capacity(Btu/h)	40,000	53,000	67,000	72,000
AFUE	**95+**	**95+**	**95+**	**95+**
Maximum Heating Ext. St. Press.(in WC)	0.5	0.5	0.5	0.5
Blower Wheel D x W	10 x 6	11 x 10	11 x 10	11 x 10
Motor H.P. -Type	1/2 - Variable	3/4 - Variable	3/4 - Variable	3/4 - Variable
Motor FLA	7.7	9.6	9.6	9.6
High Fire Temperature Rise Range(F)	30-60	30-60	35-65	45-75
Low Fire Temperature Rise Range(F)	30-60	30-60	35-65	40-70

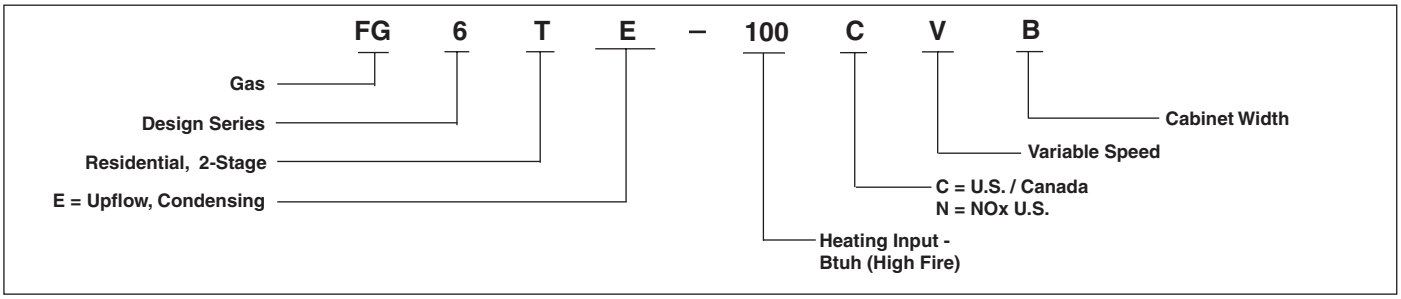
DIMENSIONS

Upflow/Horizontal Furnace

Model Number FG6TE-	High Fire Furnace Btuh	Low Fire Furnace Input	Dimensions (inches)				Shipping Weight (lbs)
			A	B	C	D	
060	60,000	42,000	14 1/2	12 3/4	5 1/8	11 3/4	155
080	80,000	56,000	19 3/4	18 1/4	7 7/8	17 1/4	195
100	100,000	70,000	19 3/4	18 1/4	7 7/8	17 1/4	200
120	120,000	84,000	22 1/2	21	9 1/4	20	220



MODEL IDENTIFICATION CODE



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

APPLICATION	SINGLE PIPE LENGTH (ft.) with 1 long radius elbow**		DIRECT VENT, DUAL PIPE LENGTH (ft.) with 1 long radius elbow on each pipe**					
PVC,CPVC or ABS	Outlet	Outlet	Inlet/Outlet		Inlet/Outlet		Inlet/Outlet	
SCH. 40 Pipe Size	2"	3"	2"	2"	3"	2"	3"	3"
Models *TE 060	65	200	30	30	40	40	110	110
Models *TE 080	45	200	30	30	40	40	110	110
Models *TE 100	40	200	25	25	40	40	110	110
Models *TE 120	40	200	20	20	40	40	110	110

** NOTES

1. 3.5' for each additional 3" **long** radius elbow, and 7' for each additional 3" **short** radius elbow.
2. Two 45 degree elbows are equivalent to one 90 degree elbow.
3. Do not include termination elbows in calculation of vent length.
4. 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.
5. Only the above pipe materials are approved for use with these condensing furnaces.

ACCESSORIES

Kit		Order Number
U.S. LP Conversion Kit (0 to 10,000 ft.)		904404
Canadian LP Gas Conversion Kit (0 to 4,500 ft.)		904405
Fossil Fuel Kit		914762
Side Return Filter Kit		541036
Bottom Return	B Cabinet	903089
Horizontal Installation	C Cabinet	903090
Internal Side Return Filter Wire		903152
Horizontal Installation Kit		903568
Add-on control Replacement Kit		904580
High Altitude Pressure Switch Kit (5,000 ft. to 10,000 ft. above sea level)		903852

VENT KITS

Kit Description	Order Number
2" Concentric Vent Kit	904177
3" Concentric Vent Kit	904176
Neutralizer Kit (all models)	902377
Side Wall Vent Kit	904347

ELECTRICAL DATA

Furnace Input (Btuh)	Cabinet Width (in.)	Nominal Electrical Supply	Maximum Operating Voltage	Minimum Operating Voltage	Maximum Furnace Amperes	Minimum Wire Gauge	Maximum Fuse or Circuit Breaker Amps*
60,000	14.50	115-60-1	127	103	12	14	15
80,000	19.75	115-60-1	127	103	12	14	15
100,000	19.75	115-60-1	127	103	12	14	15
120,000	22.50	115-60-1	127	103	12	14	15

*** Time-delay fuses or HACR-type circuit breakers are required.**

Thermostat Wire Gauge	Recommended Thermostat Wire Length 2-wire (heating)	4 or 5-wire (cooling)
24	55 ft.	25 ft.
22	90 ft.	45 ft.
20	140 ft.	70 ft.
18	225 ft.	110 ft.

CAPACITIES – Furnace Airflow Data

CFM		SWITCH NUMBER							Nominal A/C and HP Capacity
LOW	HIGH	1	2	3	4	5	6	7	
300	400	0	0	0	1				1 TON
330	480	0	0	0	0				
390	550	0	0	1	0				1.5 TON
420	600	1	0	0	1				
500	720	1	0	0	0				2 TON
550	800	1	0	1	0				
580	830	0	1	0	1				2.5 TON
640	930	0	1	0	0				
700	1010	1	1	0	1				3 TON
730	1070	0	1	1	0				
780	1140	1	1	0	0				
850	1230	1	1	1	0				

Note: 0 - Off 1 = On

*TE 060 (1/2 HP)
Cooling/Heat Pump Airflow Settings

CFM		SWITCH NUMBER							Nominal A/C and HP Capacity
LOW	HIGH	1	2	3	4	5	6	7	
500	720	0	0	0	1				2 TON
550	800	0	0	0	0				
610	880	0	0	1	0				2.5 TON
650	945	1	0	0	1				
720	1050	1	0	0	0				3 TON
800	1155	1	0	1	0				
900	1305	0	1	0	1				3.5 TON
1000	1450	0	1	0	0				
1060	1530	1	1	0	1				4 TON
1100	1595	0	1	1	0				
1170	1700	1	1	0	0				5 TON
1290	1870	1	1	1	0				

Note: 0 - Off 1 = On

*TE 080/100/120 (3/4 HP)
Cooling/Heat Pump Airflow Settings

			Nominal Airflow (CFM) and Temperature Rises (degree F)															
			*TE-060(CN)-VA Models				*TE-080(CN)-VB Models				*TE-100 (CN)-VB Models				*TE-120(CN)-VA Models			
Switches			Low Fire Input 43,000		High Fire Input 60,000		Low Fire Input 56,000		High Fire Input 80,000		Low Fire Input 70,000		High Fire Input 100,000		Low Fire Input 84,000		High Fire Input 120,000	
5	6	7																
0	**0**	#	600	60	700	75	660	72	1090	63	660	90	1090	80	660	108	1090	96
1	**0**	#	660	54	800	65	750	64	1240	57	750	80	1240	70	750	95	1240	84
0	**1**	#	800	**45**	1048	**50**	1220	**40**	1680	**42**	1220	**49**	1680	**52**	1220	59	1680	62
1	**1**	#	900	40	1296	40	1300	37	1880	37	1300	46	1880	46	1300	**55**	1880	**56**

Switch not used - Can be 0 or 1.

Notes:
1. Recommended blower speed settings are highlighted in bold.
2. Airflow rates of 1800 CFM or more require two return air connections. Data is for operation with filter(s).
3. Temperature rises in the table are approximate. Actual temperature rises may vary.
4. Temperature rises that are shaded grey are for reference only. These conditions are not recommended.
5. For single stage cooling, the indoor blower will operate at the CFM listed in the “High” column.

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O'Fallon, MO | NORDYNE

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.

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