MAYTAG®

TECHNICAL SPECIFICATIONS

Model PGC2TC Series

SMARTSTART® CONTROL BOARD

iQ Drive® READY

M1200 Product Line

Two Stage, Variable Speed, High Efficiency
Upflow/Horizontal Gas Furnaces
95% AFUE Input 60,000-120,000 Btuh

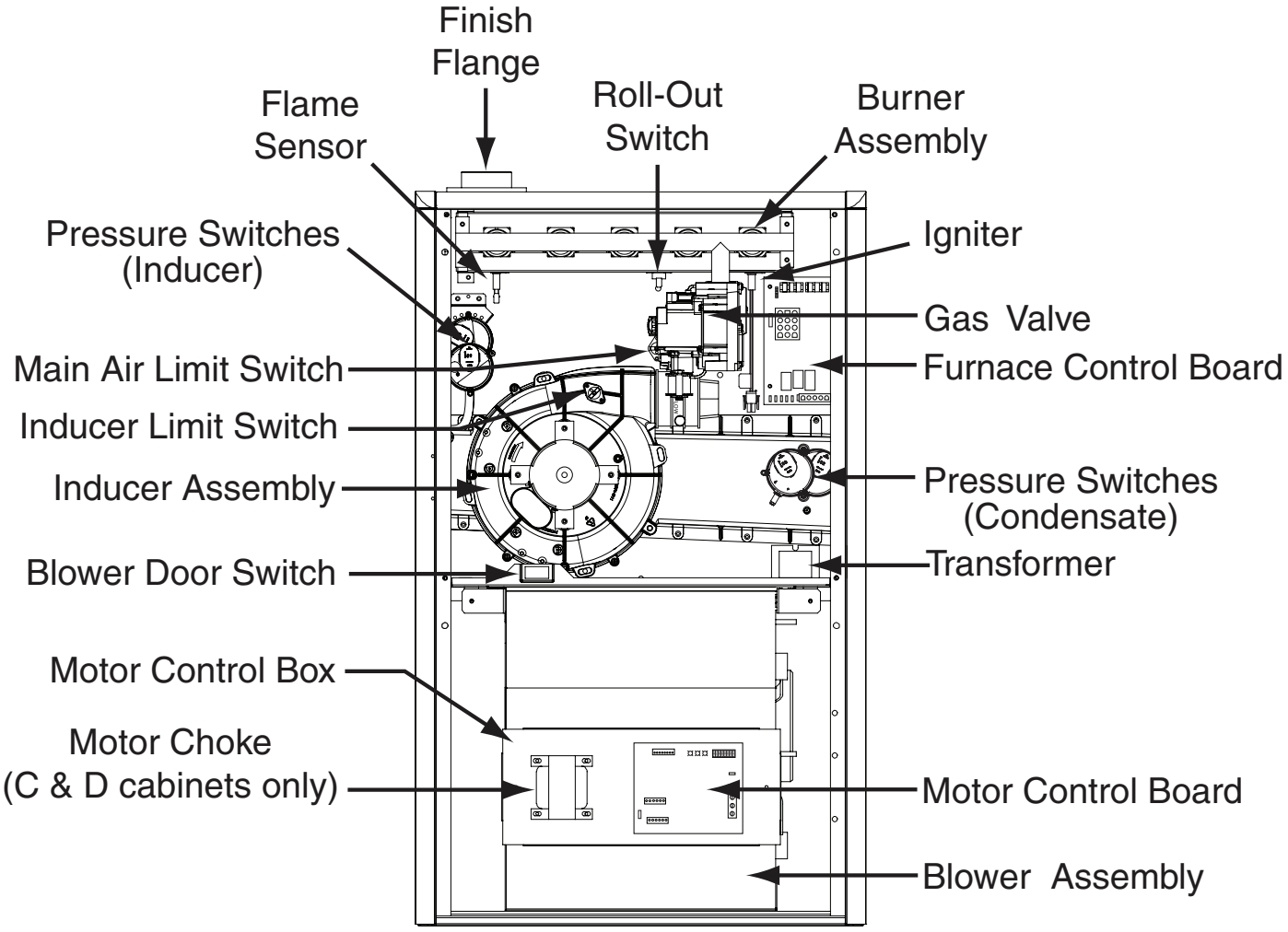
The high efficiency gas furnace may be installed free standing in a utility room, basement, or enclosed in an alcove or closet.

Features and Benefits

- **Variable Speed Direct Drive Blower:** Energy-efficient brushless DC (ECM) motor controls airflow to provide better temperature control, humidity control and air distribution.
- **Two Stage Inducer:** Optimizes efficiency on first stage heat and reduces sound levels.
- **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.
- **30 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).
- **30 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 SmartStart® 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.
- **60 second fixed cooling cycle blower-off delay (TDR):** Increases cooling performance when matched with a Nordyne coil.
- **LP convertible:** Simple burner orifice and regulator spring change for ease of convertibility.
- **Diagnostic lights for easy troubleshooting without counting flashes:** Dedicated light for flame signal strength and 2 lights in combination to indicate all other fault codes with easy to recognize states without counting flashes.
- **Incorporates integrated control board:** With 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:** Sealed door to reduce air leakage and insulated for ultra quiet operation.
- **Sealed 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:** These furnaces have been tested with and are approved to be installed with DuraVent's PolyPro venting system.

GAS FURNACE COMPONENTS

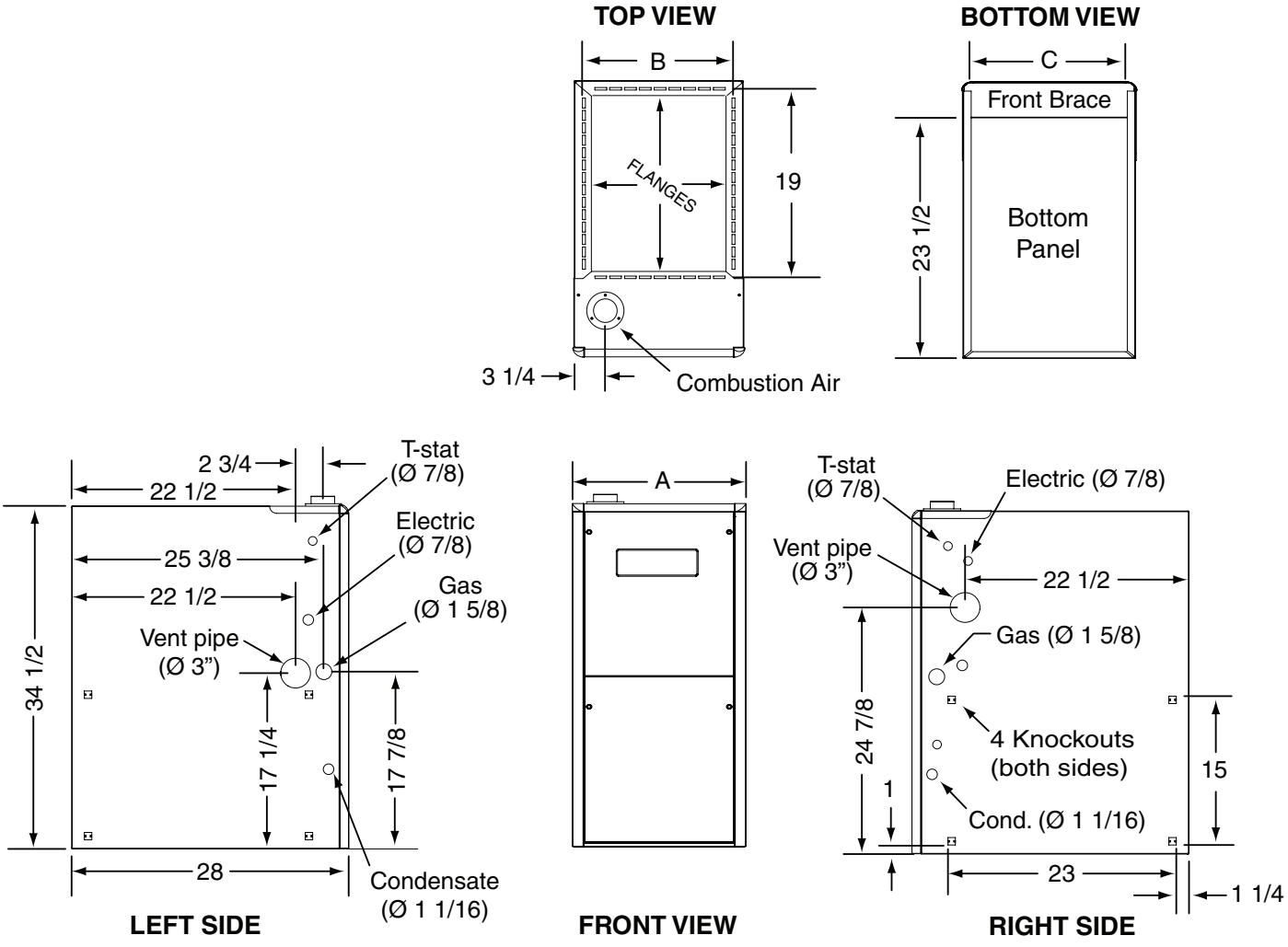
UPFLOW / HORIZONTAL FURNACE (*TC SERIES)



PGC2TC 95% AFUE High Efficiency Upflow/Horizontal Series

DIMENSIONS

PGC2TC Model #'s	Dimension "A"	Dimension "B"	Dimension "C"
060D-VB	17 1/2	15 7/8	16 1/8
080D-VC	21	19 3/8	19 5/8
100D-VC			
120D-VD	24 1/2	22 7/8	23 1/8



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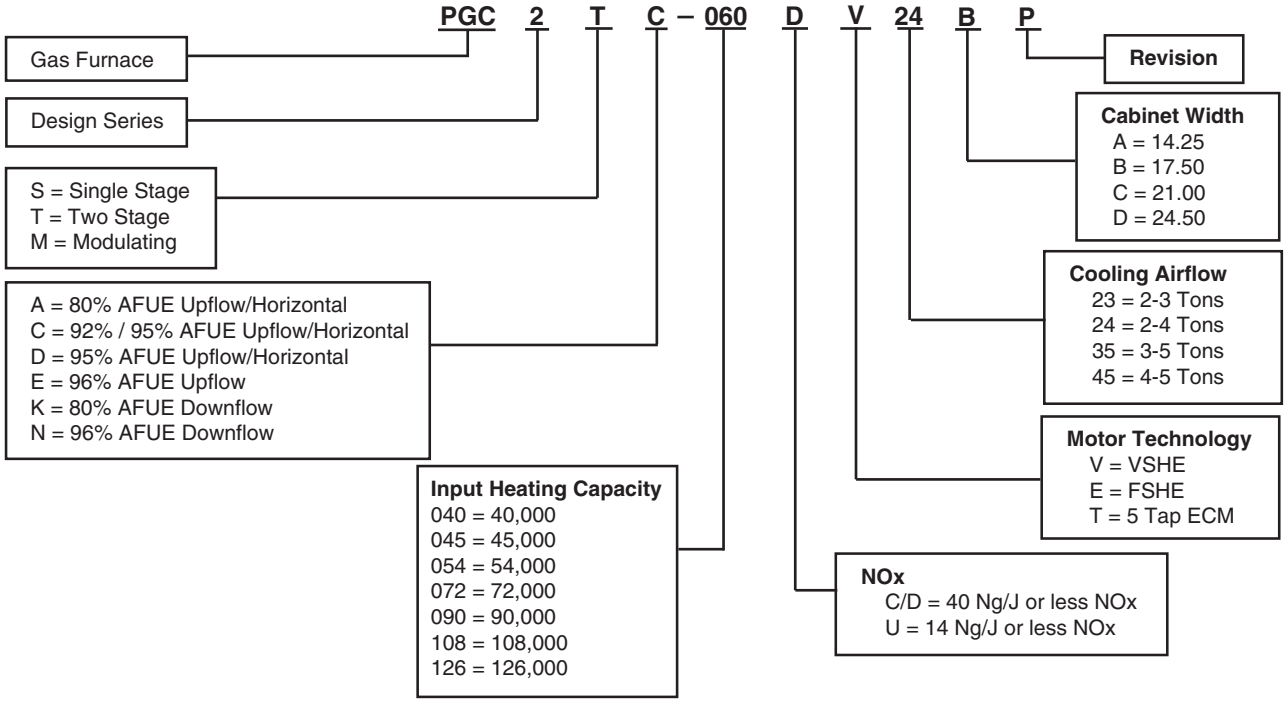
IDENTIFICATION CODE



SPECIFICATIONS

PGC2TC MODEL NUMBERS	-060D-V24B1	-080D-V35C1	-100D-V35C1
Input - Btuh (a)	60,000 / 39,000	80,000 / 52,000	100,000 / 65,000
Heating Capacity - BtuH	57,000 / 37,000	76,000 / 49,000	95,000 / 62,000
AFUE	95.0	95.0	95.0
Motor H.P. - Speed - Type	1/2 - Variable	3/4 - Variable	3/4 - Variable
Motor FLA	6.9	9.3	9.3
Rated Ext. SP - In. W.C.	0.50	0.50	0.50
Temperature Rise Range - F	30-60	35-65	35-65
Shipping Weights	120 lb	140 lb	145 lb

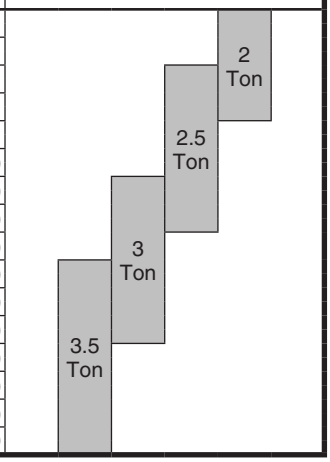
Note:
All models are 115V, 60 Hz. Gas Connections are 1/2" N.P.T. AFUE = Annual Fuel Utilization Efficiency
(a) Ratings to 2,000 ft. Over 2,000 ft. reduce 4% for each 1,000 ft. above sea level.

BLOWER PERFORMANCE

PGC2TC, VSHE (B CABINET)

HEATING AIRFLOW (CFM) & TEMPERATURE RISE (° F)						
MODEL NUMBER/ HEATING INPUT	MOTOR SWITCH SETTINGS (0=OFF, 1=ON)				CFM	RISE
	1	2	3	4		
PGC2TC-060D-V24B 60,000 BTU/hr	1	0	0	0	1,000	53
	1	0	0	1	1,100	48
	1	0	1	0	1,200	44
	1	0	1	1	1,300	41
	1	1	0	0	1,400	38
	1	1	0	1		
	1	1	1	0		
	1	1	1	1		

COOLING AIRFLOW (CFM)							
MOTOR SWITCH SETTINGS (0=OFF, 1=ON)					CFM		NOMINAL AC / HP CAPACITY
1	5	6	7	8	LOW	HIGH	
1	0	0	0	0	470	700	
1	0	0	0	1	510	760	
1	0	0	1	0	550	820	
1	0	0	1	1	590	880	
1	0	1	0	0	630	940	
1	0	1	0	1	670	1,000	
1	0	1	1	0	710	1,060	
1	0	1	1	1	750	1,120	
1	1	0	0	0	790	1,180	
1	1	0	0	1	830	1,240	
1	1	0	1	0	870	1,300	
1	1	0	1	1	910	1,360	
1	1	1	0	0	950	1,420	
1	1	1	0	1	990	1,480	
1	1	1	1	0	1,030	1,540	
1	1	1	1	1	1,070	1,600	

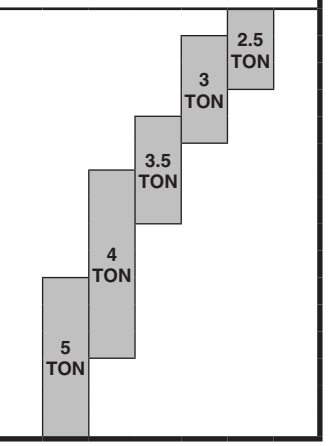


NOTES:
1. Motor switch settings for heating speeds use HEAT switches 1, 2, 3, & 4 and for cooling speeds use COOL switches 5, 6, 7, & 8.
2. To comply with government mandated efficiency standards, two openings are required for airflows above 1,600 CFM.
3. Data is shown without filter.
4. Temperature rises in the table are approximate. Actual temperature rises may vary.
5. Individual cells shaded in gray indicate a temperature rise outside of the recommended range.
6. To comply with government mandated efficiency standards, speed settings shaded in gray are not allowed in HEAT mode.
7. When in low stage heat, the airflow is approximately 70% of the tables high value (2-stage furnaces only).

PGC2TC, VSHE (C CABINET)

HEATING AIRFLOW (CFM) & TEMPERATURE RISE (°F)								
MODEL NAME/ HEATING INPUT	MOTOR SWITCH SETTINGS (0=OFF, 1=ON)				080D-V35C 80,000 BTU/hr		100D-V35C 100,000 BTU/hr	
	1	2	3	4	CFM	RISE	CFM	RISE
PGC2TC-	#	0	0	0				
	#	0	0	1	1,115	63		
	#	0	1	0	1,230	57		
	#	0	1	1	1,345	52	1,345	65
	#	1	0	0	1,460	48	1,460	60
	#	1	0	1	1,575	44	1,575	56
	#	1	1	0	1,690	41	1,690	52
	#	1	1	1				

COOLING AIRFLOW (CFM)							
MOTOR SWITCH SETTINGS (0=OFF, 1=ON)					CFM		NOMINAL AC / HP CAPACITY
1	5	6	7	8	LOW	HIGH	
#	0	0	0	0	685	1,025	
#	0	0	0	1	730	1,090	
#	0	0	1	0	775	1,155	
#	0	0	1	1	815	1,220	
#	0	1	0	0	860	1,285	
#	0	1	0	1	905	1,350	
#	0	1	1	0	950	1,415	
#	0	1	1	1	990	1,480	
#	1	0	0	0	1,035	1,545	
#	1	0	0	1	1,080	1,610	
#	1	0	1	0	1,120	1,675	
#	1	0	1	1	1,165	1,740	
#	1	1	0	0	1,210	1,805	
#	1	1	0	1	1,255	1,870	
#	1	1	1	0	1,295	1,935	
#	1	1	1	1	1,340	2,000	



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ACCESSORIES

PGC2TC KITS	
Description	**SKU**
2” Concentric Vent Kit, US approved only	904177
3” Concentric Vent Kit, US approved only	904176
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
Bottom Return Filter 20 per Box, "A" Cabinet	903088
Bottom Return Filter 20 per Box, "B" Cabinet	904916
Bottom Return Filter 20 per Box, "C" Cabinet	904917
Bottom Return Filter 20 per Box, "D" Cabinet	904918
Side Return Filter Kit	541036
Neutralizer Kit	902377

All models are 115 V, 60 HZ. Gas connections are 1/2" N.P.T.
AFUE= Annual Fuel Utilization Efficiency

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.

FURNACE MODELS (BTU)	**FURNACE INSTALLATION**	**SINGLE PIPE LENGTH (FT.) with 1 long radius elbow****		**DIRECT VENT, DUAL PIPE LENGTH (ft.) WITH 1 long radius elbow on each pipe****	
		OUTLET	**OUTLET**	**INLET/OUTLET**	**INLET/OUTLET**
		2” Diameter	**3” Diameter**	**2” Diameter**	**3” Diameter**
60,000	Upflow	90	90	90	90
	Horizontal	50	90	50	90
80,000	Upflow	40	90	40	90
	Horizontal	30	90	30	90
100,000	Upflow	30	90	30	90
	Horizontal	30	90	30	90
120,000	Upflow	N/A	90	N/A	90
	Horizontal	N/A	90	N/A	90

***NOTES:**

1. Subtract 2.5 ft. for each additional 2 inch long radius elbow, 5 ft. for each additional 2 inch short radius elbow, 3.5 ft. for each additional 3 inch long radius elbow, and 7 ft. for each additional 3 inch short radius elbow. Subtract 5ft for each 2” tee and 8ft for each 3” tee.
2. Two 45 degree elbows are equivalent to one 90 degree elbow.
3. This table applies for elevations from sea level to 2,000 ft. For higher elevations, decrease pipe lengths by 8% per 1,000 ft of altitude.

MAYTAG®

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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