

## 96% AFUE Gas Furnace Technical Specifications

Basic Product Information	Model			96CG060B3	96CG080B3	96CG080C4	96CG100C5	96CG100D5	96CG120D5
	Fuel Type		-	Natural Gas/ Propane Gas	Natural Gas/ Propane Gas	Natural Gas/ Propane Gas	Natural Gas/ Propane Gas	Natural Gas/ Propane Gas	Natural Gas/ Propane Gas
Gas Heating Performance	AFUE		%	96	96	96	96	96	96
	Input	NG/LP(HIGH)	Btu/h	60000	80000	80000	10000	10000	120000
		NG/LP(LOW)	Btu/h	39000	52000	52000	6500	6500	78000
	Output	NG/LP(HIGH)	Btu/h	57000	76000	760000	95000	95000	115000
		NG/LP(LOW)	Btu/h	16701	22268	222680	27835	27835	33695
	Air Temperature Rise		°F	30-60	35-65	35-65	35-65	35-65	40-70
Design Max. Outlet Air Temperature		°F	160	165	165	165	165	170	
Static Pressure	Certified EXT static pressure	Heating	in. WC	0.12	0.15	0.15	0.2	0.2	0.2
		Cooling	in. WC	0.5	0.5	0.5	0.5	0.5	0.5
Circulating Blower Data	Circulating Blower	Material	-	Metal					
		Type	-	x13 ECM					
		Diameter blower wheel	Inch	12 3/8			12 6/8		
		Height blower wheel	Inch	8			11 1/4		
	Tons AC @ 0.5" ESP		tons	1.5/2/2.5/3	1.5/2/2.5/3	2.5/3/3.5/4	3.5/4/4.5/5	3.5/4/4.5/5	3.5/4/4.5/5
	Circulating Fan Motor	Motor Horsepower	HP	3/4			1		
	Air Flow (0.5 ESP in. WC)	High	CFM	1280	1271	1312	2031	2095	2127
	Air Flow (0.5 ESP in. WC)	Mid-High	CFM	1100	1071	1092	1836	1889	1907
	Air Flow (0.5 ESP in. WC)	Mid	CFM	910	886	894	1573	1609	1620
	Air Flow (0.5 ESP in. WC)	Mid-Low	CFM	690	649	625	1241	1241	1265
Air Flow (0.5 ESP in. WC)	Low	CFM	500	539	455	820	802	814	
Motor Speeds		# speeds	5						
		settings	High/Mid-High/Mid/Mid-Low/Low						
		r/min	1050 (rated)						
Inducer Motor	Power Input	(High)	W	63±10%			42±10%		
	Power Input	(Low)	W	37±10%			42±10%		
Combustion System Specifications	Max. Inlet Gas Press	Natural Gas	in. WC	10.5			13		
		Propane Gas (LP)	in. WC	4.5			11		
	Min. Inlet Gas Press	Natural Gas	in. WC	3.5			1.6		
		Propane Gas (LP)	in. WC	10			4		
	Natural Gas Manifold Pressure(High fire)		in. WC	1.6			10		
	Natural Gas Manifold Pressure(Low fire)		in. WC	4			#		
	Propane Gas Manifold Pressure(High fire)		in. WC	#			45		
	Propane Gas Manifold Pressure(Low fire)		in. WC	#			55		
	Natural Gas Factory Orifice (0-2000 feet)		#	1/2			Hot surface		
	Propane Gas (LP) Factory Orifice (0-2000 feet)		#	3			4		
	Gas Connection Size		in. NPT	4			5		
	Igniton Device		-	4			5		
	Number of Burners		#	4			5		
	Primary Heat exchanger Diameter		Inch	1 6/8			5		
Primary Heat exchanger		# tubes	3			4			
Secondary Heat Exchanger Diameter		Inch	3/8			5			
Secondary Heat Exchanger		# tubes	33			39			
Flue Vent Diameter		Inch	2 7/3"			2 7/3"			
Safety Switch Settings	Pressure Switch Factory Setting	(High)	in. WC	1.1					
	Pressure Switch Factory Setting	(Low)	in. WC	0.55					
	Rollout switch - resettable	Off/On	°F	300					
	Inlet High Temperature Limit switch - fixed	Off/On	°F	150/120	130/100	150/120	150/120	150/120	150/120
Electrical Data	Power supply		V/Hz/PH	115V/60HZ/1PH					
	Max Overcurrent Protection (MOP)		Amps	15			20		
	MAS.Unit Amps		Amps	8	8	7.8	11.5	10.5	10.5
Cabinet Size	Cabinet Type		-	B	B	C	C	D	D
	Cabinet Size	Width	Inch	17.5	17.5	21	21	24.5	24.5
	Cabinet Size (DxH)	(DxH)	Inch	(28-3/4)*(33-3/4)	(28-3/4)*(33-3/4)	(28-3/4)*(33-3/4)	(28-3/4)*(33-3/4)	(28-3/4)*(33-3/4)	(28-3/4)*(33-3/4)
Shipping Data	Packing Dimension (without pallet)	(WxDxH)	Inch	(20)*(31)*(35-1/2)	(20)*(31)*(35-1/2)	(23-1/2)*(31)*(35-1/2)	(23-1/2)*(31)*(35-1/2)	(27)*(31)*(35-1/2)	(27)*(31)*(35-1/2)
	Packing Dimension (with pallet)	(WxDxH)	Inch	(20)*(31)*(40)	(20)*(31)*(40)	(23-1/2)*(31)*(40)	(23.5)*(31)*(40)	(27)*(31)*(40)	(27)*(31)*(40)
	Net Weight (unit only)		lbs	135	141	152	162	169.6	174
	Gross Weight (shipping weight with pallet & packaging)		lbs	162.5	168.5	184.6	194.6	205.1	209.5