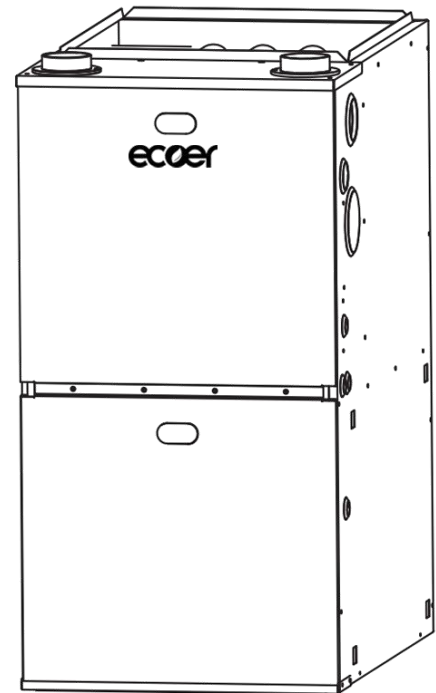




## Ecoer 96% AFUE Gas Furnace Spec Sheet

### ■ Standard Features

1. Up to 96% AFUE heating efficiency, ENERGY STAR rated.
2. 5-year parts limited warranty, 20 year heat exchanger limited warranty.
3. Reliable, proven two-stage design.
4. 3-way multi-poise design allows for flexibility in multiple types of installations.
5. Field convertible gas type for hassle-free installation, all furnaces come standard with a natural gas to propane gas conversion kit.
6. Multi-speed ECM motors for all models for quiet and efficient operation.
7. Hot-surface ignition for dependable operation.
8. Durable aluminized steel tubular heat exchanger and stainless-steel (AL 29-4C alloy) secondary heat exchanger.
9. Pairs with Ecoer heat pump, reaching up to 18 SEER, meeting heat pump ENERGY STAR requirements for some combinations.
10. LED fault diagnostics for quick and easy service calls.



Technical Specifications										
Product Information	Model		060B3*	080B3*	080C4*	100C5*	100D5*	120D5*		
	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*	Natural Gas/ Propane Gas*	
<b>ENERGY STAR</b>	ENERGY STAR Certified		Y/N	Y	Y	Y	Y	Y	Y	
<b>Heating Performance</b>	AFUE		%	96	96	96	96	96	96	
	Input (High fire)	Natural Gas/ Propane Gas (LP)	Btu/h	60000	80000	80000	100000	100000	120000	
	Input (Low fire)	Natural Gas/ Propane Gas (LP)	Btu/h	39000	52000	52000	65000	65000	78000	
	Output (High fire)	Natural Gas/ Propane Gas (LP)	Btu/h	57000	76000	76000	95000	95000	115000	
	Input (Low fire)	Natural Gas/ Propane Gas (LP)	Btu/h	37000	49000	49000	62000	62000	75000	
	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	
<b>Static Pressure</b>	Certified ESP	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	
<b>Motor</b>	Power Input	(High)	W	63±10%						
	Power Input	(Low)	W	37±10%			42±10%			
<b>Electrical Data</b>	Power supply		V/Hz/PH	115V/60HZ/1PH						
	Max Overcurrent Protection *** MOP		Amps	15			20			
	Blower motor full load (FLA)		Amps	8	8	7.8	11.5	10.5	10.5	
<b>Blower Data</b>	Blower	Material	-	Metal						
		Type	-	x13 ECM						
		Diameter blower wheel	Inch	12-3/8			12-3/4			
		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	
	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)							

\* With factory supplied Natural Gas to LP Conversion Kit

\*\* 5 selectable speeds via wiring, unit operates in two speeds in concert with HI/LOW fire operation

\*\*\* MOP refers to the maximum recommended fuse or breaker size.

Technical Specifications Continued									
Model				060B3*	080B3*	080C4*	100C5*	100D5*	120D5*
<b>Combustion System Specifications</b>	Max. Inlet Gas Press	Natural Gas	in. WC	10.5					
		Propane Gas (LP)	in. WC	13					
	Min. Inlet Gas Press	Natural Gas	in. WC	4.5					
		Propane Gas (LP)	in. WC	11					
	Natural Gas Manifold Pressure (High fire)		in. WC	3.5					
	Natural Gas Manifold Pressure (Low fire)		in. WC	1.6					
	Propane Gas Manifold Pressure (High fire)		in. WC	10					
	Propane Gas Manifold Pressure (Low fire)		in. WC	4					
	Natural Gas Factory Orifice (0-2000 feet)		#	45					
	Propane Gas (LP) Factory Orifice (0-2000 feet)*		#	55					
	Gas Connection Size		in. NPT	1/2					
	Igniton Device		-	Hot surface					
	Number of Burners		#	3	4	4	5	5	6
	Primary Heat Exchanger Diameter		Inch	1 6/8					
	Primary Heat Exchanger		# tubes	3	4	4	5	5	6
	Secondary Heat Exchanger Diameter		Inch	3/8					
Secondary Heat Exchanger		# tubes	33	33	39	39	48	48	
Flue Vent Diameter		Inch	2"/3"	2"/3"	2"/3"	2"/3"	2"/3"	3"	
<b>Cabinet Size</b>	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)	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)
<b>Dip Switches</b>	Heating Blower Control (Heating Off-Delay)		-	Adjustable: 90, 120, 150, 180 seconds					
	Cooling Blower Control (Cool Off-Delay)		-	Adjustable: 60, 90, 120, 150 seconds					
	Upstage W1 to W2 Delay		-	Adjustable: OFF, 10 minutes, AUTO, 20 minutes					
<b>Shipping Data</b>	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

\*All Ecoer 96% AFUE Gas Furnaces come standard with Natural Gas to LP Conversion Kits. These kits are only applicable for units installed at elevations between 0 and 2,000 feet.

©2022 ECOER INC.

3671 Trade Center Place, Suite 100 Dulles, VA 20166

Tel: 703-348-2538

[www.ecoer.com](http://www.ecoer.com)