

ComfortStar®

Air Conditioning & Heating Products

GAS FURNACE 96%



Comfort it's in our name!



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FEATURES:

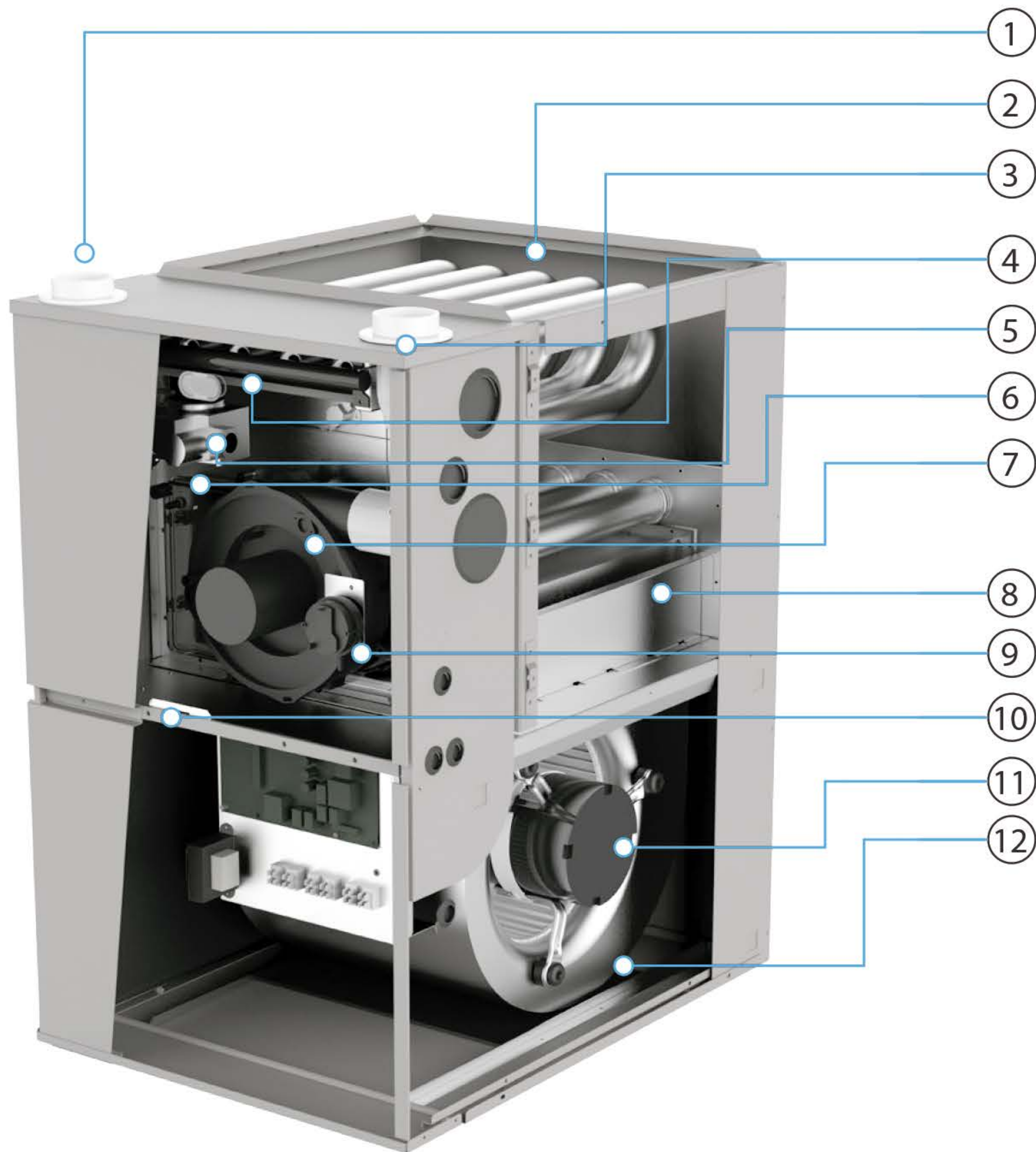
- Durable aluminized steel tubular heat exchanger.
- Stainless-steel secondary heat exchanger.
- Two-stage gas valve.
- Hot surface igniter.
- Quiet multi-speed ECM circulator blower motor.
- Control board with self-diagnostics and Low-voltage terminal block.
- Natural gas and propane (LP) convertible.
- Designed for multi-position installation: Upflow, horizontal.
- Industry-standard cabinet sizes for easy replacement, installation and add-on cooling.
- Convenient left or right connection for gas and electric service.
- Removable bottom for side or bottom return applications.





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COMPONENT LOCATION:



1. Air inlet pipe joint
2. First heat exchanger
3. Air outlet pipe joint
4. Burner
5. Gas valve
6. Condensate pan
7. Induced blower and motor
8. Second heat exchanger
9. Pressure switch
10. Blower door interlock switch
11. ECM motor of circulator blower
12. Circulator blower



SPECIFICATIONS

MODEL	96U060B3C	96U080B3C	96U080C4C	96U100C5C	96U100D5C	96U120D5C
Conguration	Upflow / Horizontal Flow (left-right)					
Heating Eciency(AFUE)	96%					
Dimensions (H×W×D)(in.)	28-1/2×17-1/2×33-3/4		28-1/2×21×33-3/4		28-1/2×24-1/2×33-3/4	
Net/Gross Weight(lbs)	135.5/147.5	141/153	156/169.6	162/173	169.6/181.7	174/186



96% AFUE Gas Furnace Technical Specifications

Model		96U060B3C	96U080B3C	96U080C4C	96U100CSC	96U100D5C	96U120D5C
Gas Heating Performance	High Fire Input (BTU/h)	60,000	80,000	80,000	100,000	100,000	120,000
	Natural Gas	57,000	76,000	76,000	95,000	95,000	115,000
	LP Gas	57,000	76,000	76,000	95,000	95,000	115,000
	Low Fire Input (BTU/h)	39,000	52,000	52,000	70,000	70,000	84,000
	Natural Gas	37,000	49,000	49,000	67,000	67,000	80,500
	LP Gas	37,000	49,000	49,000	67,000	67,000	80,500
	AFUE	96	96	96	96	96	96
	Available AC @ 0.5" ESP	1.5/2/2.5/3	2.5/3/3.5/4	2.5/3/3.5/4	3.5/4/4.5/5	3.5/4/4.5/5	3.5/4/4.5/5
	Temperature Rise Range (°F)	30-60	35-65	35-65	35-65	35-65	40-70
Static Pressure (IN.W.C)	Heating	0.12	0.15	0.15	0.20	0.20	0.20
	Cooling	0.5	0.5	0.5	0.5	0.5	0.5
Electrical Data	Voltage/Phase (60Hz}	115	115	115	115	115	115
	Min. / Max. Voltage (V)	104/127	104/127	104/127	104/127	104/127	104/127
	Min. Circuit Ampacity (MCA)	8	8	8	12	11	11
	Max. Overcurrent Protection (MOP) (A)	15	15	15	20	20	20
Fan Motor	Motor Type	ECM	ECM	ECM	ECM	ECM	ECM
	Horsepower (HP)	3/4	3/4	3/4	1/1	1/1	1/1
	Rated RPM	1050	1050	1050	1050	1050	1050
	Full Load Amps (FLA) (A)	8	8	8	12	11	11
	Capacitor (uF}	/	/	/	/	/	/
Circulator Blower	Material	Metal	Metal	Metal	Metal	Metal	Metal
	Size (Dx H) (in.)	12-3/8 X 8	12-3/8 X 8	12-6/8 X 11-1/4	12-6/8 X 11-1/4	12-6/8 X 11-1/4	12-6/8 X 11-1/4
	Vent Diameter (in.)	2/3	2/3	2/3	2/3	2/3	1/3
	No. of Burners	3	4	4	5	5	6
	Speed Mode Number	5	5	5	5	5	5

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GASFURNACE 2024