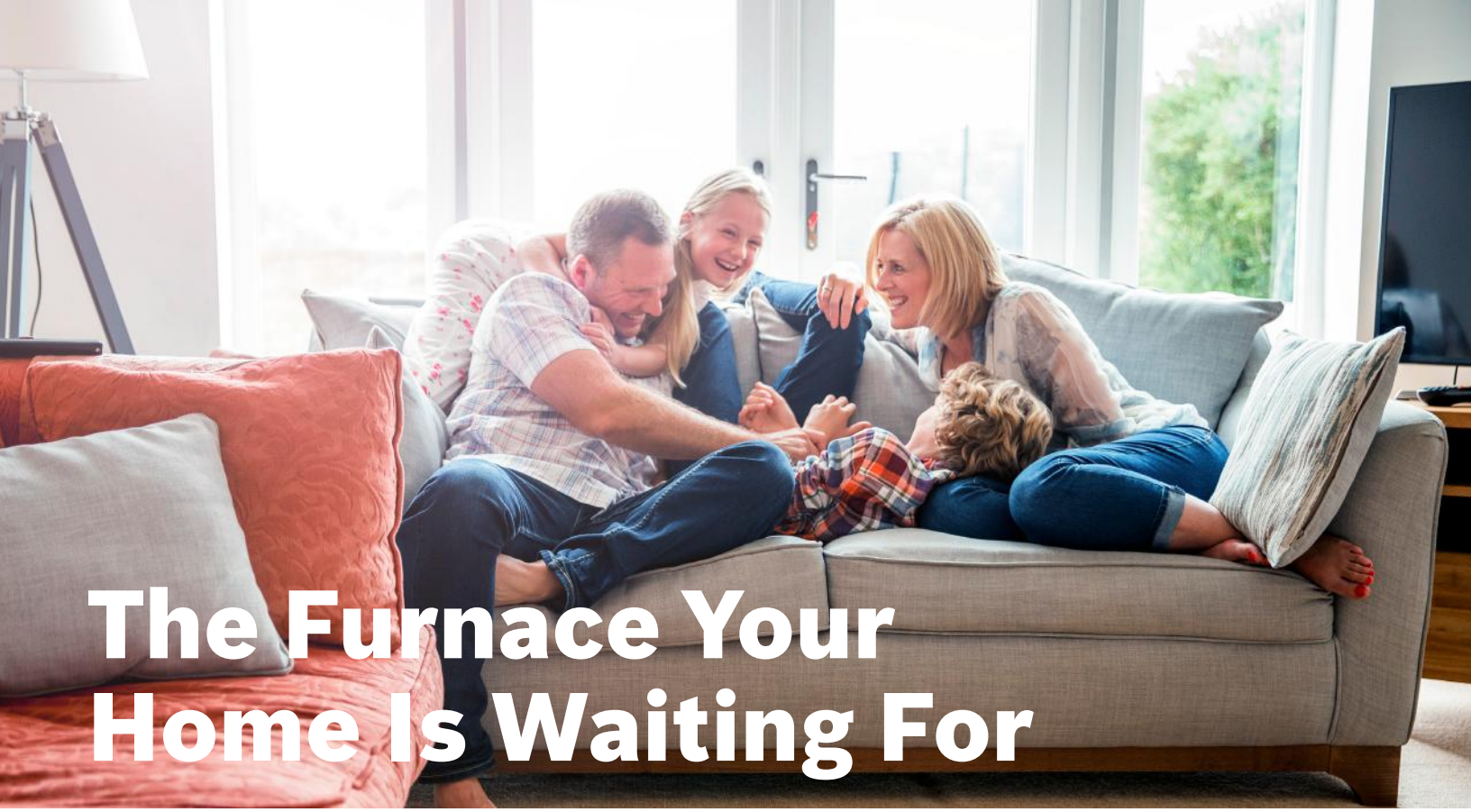
Home Comfort Group

BOSCH

Bosch BGH96 Gas Furnace

The BGH96 delivers 96% efficiency while providing comfort homeowners need

www.bosch-homecomfort.us



The Furnace Your Home Is Waiting For

Bosch BGH96 Furnace[1]

With 96% AFUE heating efficiency, the Bosch BGH96 Furnace is the perfect solution to efficiently heat your home. The multipoise design makes it even easier to replace your existing equipment or install in your new house. You can also integrate the Bosch BGH96 Furnace with Bosch's IDS Outdoor Units and Cased Coils* for a complete and highly efficient heating and cooling system. Between ease of installation, integration and troubleshooting, this Bosch Furnace offers convenience and peace of mind.

Features

- Up to 96% AFUE heating efficiency, ENERGY STAR rated
- 5-year parts limited warranty, 20 year heat exchanger limited warranty§
- Reliable, proven two-stage design
- 3-way multipoise design allows for flexibility in multiple types of installations, available in upflow (right or left return) and horizontal orientations
- Field convertible gas type for hassle-free installation, all furnaces come standard with a natural gas to propane gas conversion kit
- u 2 stage gas valve with ECM motors for all models for quiet and efficient operation
- Hot-surface ignition for dependable operation
- Durable aluminized steel tubular heat exchanger and stainless-steel secondary heat exchanger
- Pairs with Bosch BOVA15, BOVB18 or BOV*20 heat pumps, achieving a SEER2 rating of up to 18.5 and a HSPF2 rating of up to 9.0
- Low profile cabinet construction allows for installation in tight spaces. Convenient left or right-hand connection for gas and electric service. The cabinet is painted galvanized steel with an anti-rust coating, that passes a 500 hours salt spray test
- LED fault diagnostics for quick and easy service calls

*IDS Outdoor Units (BOVA Models) and Cased Coils (BMAC Models) **10 year limited parts warranty and lifetime warranty on heat exchangers, both if registered within 60 days of installation, please go to www.bosch-homecomfort.com for full limited warranty details **(1) NOTICE: This product is not to be sold or installed in the State of California in the South Coast Air Quality Management District or San Joaquin Valley Air Basin territory**.

Why Choose The Bosch BGH96 Furnace

Savings

Homeowners will see the savings on their energy bills by converting up to 96% of the fuel purchased to heat their home. The furnace's two-stage gas valve switches between high and low fire settings, allowing enhanced comfort and more efficient operation than single stage technology.

System Efficiency

Dual fuel systems are the ideal solution to maximize comfort and efficiency. Bosch offers a complete dual fuel system with the Bosch Inverter Ducted Split (IDS) heat pump, Bosch BMAC cased coil, Bosch 96% AFUE Gas Furnace and the Bosch Connected Control thermostat. In the summer, the Bosch IDS efficiently cools and dehumidifies your home. In the shoulder seasons, the IDS system will provide the exact amount of heating or cooling that your home requires, no more, no less. In the colder months, the system senses when it is more economical for the heat pump to shut off and the Bosch BGH96 gas furnace to take over. Installing a Bosch matched dual fuel system is the best choice to optimize both savings and comfort.

Residential Limited Warranty**

With the residential limited warranty, you receive peace-of-mind knowing you will receive replacement parts protection for up to 5 years and up to 20 years on the heat exchanger. This offering covers all components incorporated into the BGH96 Furnace at the time of manufacture. All other components or parts that are purchased from Bosch and installed in the field have a 1 year parts warranty.

20 Year
Heat Exchanger Warranty

**10 year limited parts warranty and lifetime warranty on heat exchangers, both if registered within 60 days of installation, please go to www.bosch-homecomfort.com for full limited warranty details

Be Comfortable No Matter The Season!

The Complete & Highly Efficient Dual Fuel Heating and Cooling System For Your Home

A

Bosch BGH96 96% Furnace*

The BGH96 Gas Furnace offers up to 96% efficiency, a two-stage gas valve, and a multi-speed blower. This ENERGY STAR rated furnace offers premium comfort and energy savings, it is the perfect solution to efficiently heat your home.

B

Bosch BMAC Cased Coil*

The Inverter Ducted Split Cased Coil, when paired with a Bosch Furnace and IDS outdoor condensing section, delivers some of the best comfort levels and efficiency on the market today. Bosch offers a complete range of cased coils to fit your needs.

C

BOVA15, BOVB18, or BOV*20 Outdoor Unit*

The robust Bosch Inverter Ducted Split Air Source Heat Pump system utilizes just the right amount of energy to achieve ultimate comfort and maximum efficiency while keeping sound levels to a minimum. Choose between the BOVA15, BOVB18, or BOV*20 for maximum efficiency.

D

Bosch BCC100 Wi-fi Thermostat*

The BCC100 is a sleek, internet-connected thermostat that offers easy all-in-one control for your heating and cooling systems. It can be controlled using the Bosch Connected Control app and is compatible with most 24VAC HVAC equipment on the market.

*Product sold separately

Know Your Components*

- A Air Intake
- B High/Low Fire Pressure Switches
- C Ignitor
- D Burners
- E Flue
- F Flame Sensor
- G Gas Valve
- H Inducer
- I Condensate Overflow Switch
- J Secondary Heat Exchanger
- K Control Board
- L Blower Motor

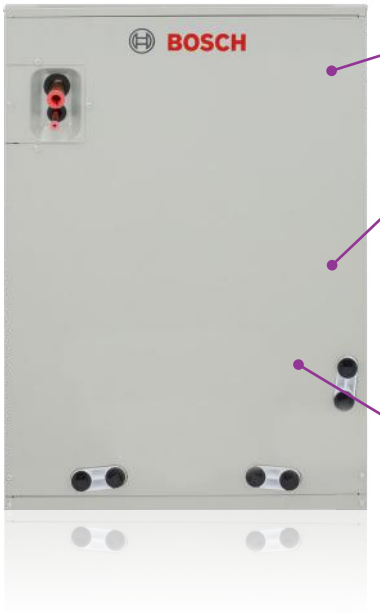
Bosch BGH96 Gas Furnace

The Bosch BGH96 gas furnace delivers 96% efficiency while providing the comfort homeowners need. This ENERGY STAR rated furnace offers a two-stage gas valve and multi-speed blower, providing superior efficiency and energy savings.

*Note: Only qualified service professionals are authorized to install/maintain this equipment.

Bosch Dependable and Multi-Positional Cased Coils

The Inverter Ducted Split Evaporator Coil, when paired with a furnace along with an IDS outdoor condensing section, will deliver some of the best comfort levels and efficiency on the market today. Bosch offers a complete range of cased evaporator coils to fit your needs. Have peace of mind knowing that all Bosch cased coil models include a 10 year parts residential warranty.§

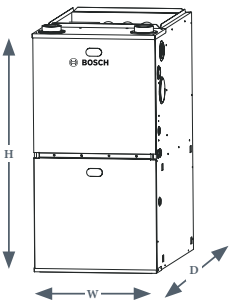


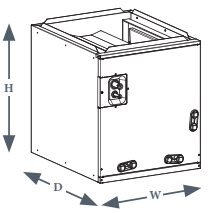
Cased Evaporator Coil

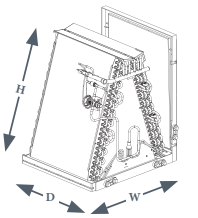
The cased evaporator coils include easy-to-clean foil-back insulation which helps to ensure against energy loss through the cabinet as well as keeping the unit quiet.

Bosch offers a complete range of 10 evaporator coil models from 2 through 5 ton sizes, in all orientations including upflow, downflow and horizontal to fit all duct sizes and meet your needs. Bosch cased coils can be easily installed for retrofit or new contruction applications using the simple slide-out feature.

The cased evaporator coils are constructed from all-aluminum fins with aluminum tubing to help prevent formicary corrosion while maintaining high heat transfer efficiency thereby increasing longevity and cost savings.







BGH96 FURNACE DIMENSIONS[D]				
MODEL NUMBER	PART NUMBER	WIDTH (W)	HEIGHT (H)	DEPTH (D)
BGH96M060B3B	7-738-007-227	17.5	33-3/4	28-1/2
BGH96M080B3B	7-738-007-228			
BGH96M080C4B	7-738-007-229	21		
BGH96M100C5B	7-738-007-230			
BGH96M100D5B	7-738-007-231	24.5		
BGH96M120D5B	7-738-007-232			

BMAC CASED COIL DIMENSIONS[D]		CASED			UNCASED		
MODEL NUMBER	PART NUMBER	WIDTH (W)	HEIGHT (H)	DEPTH (D)	WIDTH (W)	HEIGHT (H)	DEPTH (D)
BMAC2430ANTD	8-733-947-947	14.5	20.0	21.0	13.375	15.625	20.5
BMAC2430BNTD	8-733-947-948	17.5			16.375	15.375	
BMAC3036ANTD	8-733-947-950	14.5			13.375	15.625	
BMAC3036BNTD	8-733-947-951	17.5			16.375	15.375	
BMAC3036CNTD	8-733-947-952	21.0			19.875	15.25	
BMAC4248BNTF	8-733-947-953	17.5	30.0		16.375	26.88	21.0
BMAC4248CNTF	8-733-947-954	21.0			19.875	26.8	
BMAC4248DNTF	8-733-947-955	24.5			23.625	26.6	
BMAC4860CNTF	8-733-947-956	21.0			19.875	27.0	
BMAC4860DNTF	8-733-947-957	24.5			23.625	26.8	

§Please go to www.bosch-homecomfort.com for full limited warranty details

*Uncased Coil Dimensions are shown for reference should the casing be removed in the field.

System & Technical Information

Performance Data
Click or Scan QR

Technical Specifications	Unit		BGH96M060B3B	BGH96M080B3B	BGH96M080C4B	BGH96M100C5B	BGH96M100D5B	BGH96M120D5B
Bosch Part Number	-		7-738-007-227	7-738-007-228	7-738-007-229	7-738-007-230	7-738-007-231	7-738-007-232
Cabinet Size (W)	Inch		17.5		21		24.5	
Cabinet Size (DxH)	Inch		(28-1/2) x (33-3/4)					
Fuel Type	-		Natural Gas/Propane Gas*					
AFUE	%		96					
ENERGY STAR Rating	-							
Input	NG/LP (High)	Btu/h	60000	80000		100000		120000
	NG/LP (Low)	Btu/h	39000	52000		65000		78000
Output	NG/LP (High)	Btu/h	57000	76000		95000		115000
	NG/LP (Low)	Btu/h	37000	49000		62000		75000
Air Temperature Rise	°F		30-60	35-65				40-70
Design Max. Outlet Air Temperature	°F		160	165				170
Certified EXT Static Pressure	Heating	in. WC	0.12	0.15	0.15	0.2		
	Cooling	in. WC	0.5					
Tons AC @ 0.5" ESP	Tons		1.5/2/2.5/3		2.5/3/3.5/4	3.5/4/4.5/5		
Power Supply	V/Hz/PH		115V/60HZ/1PH					
Max Overcurrent Protection (MOP)	Amps		15			20		
Blower Motor Full Load	Amps		8	8	7.8	11.5	10.5	10.5
Circulating Blower Motor	Type	-	ECM					
	Diameter Blower	Inch	12 3/8		12 3/4			
	Height Blower	Inch	8		11 1/4			
Motor Speeds	Number of Speeds		5					
	Speed Settings		High/Mid-High/Mid/Mid-Low/Low					
	RPM		1050 (rated)					
Power Input	(High)	W	63±10%					
	(Low)	W	37±10%			42±10%		
Circuating Fan Motor	Motor Horsepower	HP	3/4			1		
Max.Inlet Gas Pressure	Natural Gas	in. WC	10.5					
	Propane Gas (LP)	in. WC	13					
Min.Inlet Gas Pressure	Natural Gas	in. WC	4.5					
	Propane Gas (LP)	in. WC	11					
Natural Gas Working Pressure	in. WC		High Fire:3.5 Low Fire:1.6					
Propane Gas Working Pressure	in. WC		High Fire:10 Low Fire:4					
Natural Gas Orifice (0-2000 Feet)	#		45					
Propane Gas Orifice (0-2000 Feet)	#		55					
Number of Burners	-		3	4		5		6
Primary Heat Exchanger Diameter	Inch		1 3/4					
Primary Heat Exchanger	# Tubes		3	4		5		6
Secondary Heat Exchanger Diameter	Inch		3/8					
Secondary Heat Exchanger	# tubes		33	33	39	39	48	48
Pressure Switch Factory Setting	(High)	in. WC	1.1					
	(Low)	in. WC	0.55					
Rollout Switch - Resettable	Off/On	°F	300					
Inlet High Temp Limit Switch - Fixed	Off/On	°F	150/120	130/100	150/120			
Gas Connection Size	in. NPT		1/2					
Ignitor Type	-		Hot surface					
Net Weight	lb		135	141	152	162	170	174

* All units come standard with a natural gas to propane gas conversion kit.

About Bosch

Bosch Home Comfort Group in North America

Bosch Home Comfort Group is a leading source of high quality water heating and comfort systems. The company offers gas tankless, electric whole house and point-of-use water heaters, Bosch and Buderus floor-standing and wall mounted boilers, Bosch and FHP geothermal, water-source and air-source systems as well as controls and accessories for all product lines. Bosch Home Comfort is committed to being Simply Smart by offering products that work together as integrated systems that enhance quality of life in an ultra-efficient and environmentally friendly manner. For more information, visit bosch-homecomfort.us.

Bosch Group

The Bosch Group is a leading global supplier of technology and services in the areas of Automotive, Industrial Technology, Consumer Goods and Building Technology. The company was founded in Stuttgart, Germany, in 1886 and presently has more than 440 subsidiaries and is represented in over 150 countries.

In the U.S., Canada and Mexico, the Bosch Group manufactures and markets automotive original equipment and aftermarket solutions, industrial drives and control technology, power tools, security and communication systems, packaging technology, home comfort solutions, household appliances and software solutions. The Bosch Group's products and services are designed to improving quality of life by providing innovative and beneficial solutions. In this way, the company offers technology worldwide that is Invented for life. Additional information is available online at www.bosch.com

BOSCH

Bosch Home Comfort Group

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