



Bosch BGH97 Furnace

The Bosch BGH97 provides reliable, exceptional, & efficient heating during the cold winter months.

- ▶ Up to 97% AFUE heating efficiency, ENERGY STAR® rated Variable speed blower
- ▶ 5-year parts limited warranty, 20 year heat exchanger limited warranty⁶
- ▶ Reliable, proven two-stage design
- ▶ 3-way multipoise design allows for flexibility in multiple types of installations, available in upflow and horizontal orientations (right or left return)
- ▶ Field convertible gas type for hassle-free installation, all furnaces come standard with a natural gas to propane gas conversion kit
- ▶ 2 stage gas valve with constant airflow motors for all models for quiet and efficient operation
- ▶ Durable aluminized steel tubular heat exchanger and stainless-steel secondary heat exchanger
- ▶ Hot-surface ignition for dependable operation
- ▶ Pairs with Bosch IDS heat pumps, achieving a SEER2 rating of up to 18.5 and a HSPF2 rating of up to 9.5
- ▶ 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
- ▶ Designed to work with the Bosch Low GWP IDS Cased Coil



Benefit From the Best of Both Worlds

The BGH97 is paired with an IDS system for a Dual Fuel application, delivering 97% efficiency. The new BGH97 meets safety requirements to operate with the new L-GWP refrigerants. With 97% AFUE heating efficiency, the Bosch BGH97 Furnace is an excellent 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 BGH97 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.

Optimal Comfort Every Season!

Bosch delivers a smart dual fuel heating and cooling solution designed for efficiency in every season. During warmer months, the Bosch IDS provides reliable cooling while managing humidity for added comfort. When temperatures drop, the system automatically switches from heat pump operation to the Bosch BGH97 gas furnace when it makes the most sense. The result is a balanced approach that helps reduce energy costs while keeping your home comfortable year-round.



By installing a Bosch matched dual fuel system, homeowners can enjoy optimal indoor comfort. The seamless transition between the heat pump and gas furnace ensures that your home remains comfortable regardless of the season. This advanced technology makes Bosch's dual fuel systems a smart investment for those looking to enhance their home's HVAC performance and achieve long-term energy savings.

*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.



System & Technical Information



Technical Specifications	Unit		BGH97M060B3A	BGH97M080B3A	BGH97M080C4A	BGH97M100C5A	BGH97M100D5A	BGH97M120D5A	
Bosch Part Number	-		8-733-984-120	8-733-984-121	8-733-984-122	8-733-984-123	8-733-984-124	8-733-984-125	
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	%		97						
ENERGY STAR Rating	-								
Input	NG/LP (High)	Btu/h	60000	80000		100000		120000	
	NG/LP (Low)	Btu/h	39000	52000		70000		84000	
Output	NG/LP (High)	Btu/h	58200	77600		97000		116400	
	NG/LP (Low)	Btu/h	37830	50440		63050		75660	
Air Temperature Rise	°F		30-60	35-65				40-70	
Design Max. Outlet Air Temperature	°F		170						
Certified EXT Static Pressure	Heating	in. WC	0.12	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			25			
Blower Motor Full Load	Amps		8	7.8	11.5	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	27.1	35	24	34	43	47	
	(Low)	W	15.5	15.4	11	16	19	26	
Circuating Fan Motor	Motor Horsepower	HP	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	High Fire:3.6	Low Fire:1.6		High Fire:3.6	Low Fire:1.7	
Propane Gas Working Pressure	in. WC		High Fire:9.4 Low Fire:4.1						High Fire:9.9 Low Fire:4.1
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 6/8						
Primary Heat Exchanger	# Tubes		3	4		5		6	
Secondary Heat Exchanger Diameter	Inch		3/8						
Secondary Heat Exchanger	# tubes		33		39		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		130	139.5	151	153	160.5	166	

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