

Home Comfort Group



BOSCH

Bosch BGH96 Gas Furnace

The new BGH96 delivers 96% efficiency while providing ultimate comfort



www.bosch-homecomfort.us



Benefit From the Best of Both Worlds

Bosch BGH96 Furnace¹

The BGH96 is paired with an IDS system for a Dual Fuel application, delivering 96% efficiency. The new BGH96 meets safety requirements to operate with the new L-GWP refrigerants. With 96% AFUE heating efficiency, the Bosch BGH96 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 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^s
- ▶ 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
- ▶ 2 stage gas valve with constant airflow 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 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



¹IDS 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 an 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 helps 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.

Optimal Comfort Every Season!

Bosch offers a complete dual fuel heating and cooling system for your home. Dual fuel systems are an ideal solution to maximize comfort and efficiency. In the summer, the Bosch IDS efficiently cools and dehumidifies your home. 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 an excellent choice to optimize both savings and comfort.



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.

The Bosch BGH96 provides reliable, exceptional, & efficient heating during the cold winter months.





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 and a blower built with constant air flow technology. This ENERGY STAR rated furnace offers premium comfort and energy savings, it is the perfect solution to efficiently heat your home. Compatible with R-454B heat pump systems.



C LGWP IDS 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 from one of three options



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.



D Bosch BCC110 Wi-fi Thermostat*

The BCC110 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 EasyAir app and is compatible with most 24VAC HVAC equipment on the market.

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

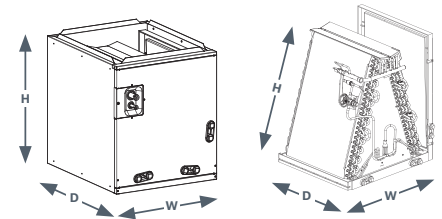
The cased evaporator coils include easy-to-clean foil-back insulation which helps to ensure against energy loss through the cabinet as well as keeping the unit quiet.

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 construction 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.



BMAC CASED COIL DIMENSIONS [§]		CASED			UNCASED		
MODEL NUMBER	PART NUMBER	WIDTH (W)	HEIGHT (H)	DEPTH (D)	WIDTH (W)	HEIGHT (H)	DEPTH (D)
BMAC2430ABTA	8733965423	14.5	20.0	21.0	13.375	15.625	20.5
BMAC2430BBTA	8733965424	17.5	20.0	21.0	16.375	15.375	20.5
BMAC3036ABTA	8733965425	14.5	20.0	21.0	13.375	15.625	20.5
BMAC3036BBTA	8733965426	17.5	20.0	21.0	16.375	15.375	20.5
BMAC3036CBTA	8733965427	21.0	20.0	21.0	19.875	15.25	20.5
BMAC4248BBTA	8733965428	17.5	30.0	21.0	16.375	26.88	21.0
BMAC4248CBTA	8733965429	21.0	30.0	21.0	19.875	26.8	21.0
BMAC4248DBTA	8733965430	24.5	30.0	21.0	23.625	26.6	21.0
BMAC4860CBTA	8733965431	21.0	30.0	21.0	19.875	27.0	21.0
BMAC4860DBTA	8733965432	24.5	30.0	21.0	23.625	26.8	21.0



Choose Your Heat Pump Different Options & Price Points

IDS Light Outdoor Unit



- First 15-SEER Inverter on the market
- Inverter system at a price point you'll love!
- Robust design
- Small footprint
- Quiet sound levels
- Compatible with most 24V thermostat

Premium Connected Outdoor Unit




- premium 20-plus SEER energy efficiency
- Features wireless connectivity
- Compatible with Bosch EasyAir app
- Robust design
- Small footprint
- Quiet sound levels
- Compatible with most 24V thermostat

IDS Ultra Outdoor Unit



- Cold Climate Heat Pump
- 100% heating capacity down to 5°F
- DOE Challenge approved
- Gateway communication to Cloud
- Robust Design
- Small footprint
- Quiet sound levels
- Compatible with most 24V thermostat

System & Technical Information

Technical Specifications	Unit		BGH96M060B3C	BGH96M080B3C	BGH96M080C4C	BGH96M100C5C	BGH96M100D5C	BGH96M120D5C
Bosch Part Number	-		8-733-965-433	8-733-965-434	8-733-965-435	8-733-965-436	8-733-965-437	8-733-965-438
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		70000		84000
Output	NG/LP (High)	Btu/h	57000	76000		95000		115000
	NG/LP (Low)	Btu/h	37000	49000		67000		80500
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		0.2		
	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		131	139	142	154	162	169

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

ULTRA SERIES OUTDOOR UNIT + BMAC CASED COIL + BGH96 FURNACE AHRI 210/240 - 2023 PERFORMANCE DATA									
OUTDOOR UNIT MODEL	CASED COIL MODEL	PAIRING FURNACES	COOLING CAPACITY (BTU/H)			HEATING CAPACITY (BTU/H)			CFM
			TOTAL	EER2 ⁽³⁾	SEER2 ⁽⁴⁾	HI	HSPF2 ⁽⁵⁾	LOW	
❄️ BOVA-60MTB-M19E	BMAC4248BBTA	BGH96M080B3C	43000	11.70	16.00	46000	9.50	46000	1300/900
❄️ BOVA-60MTB-M19E	BMAC4248CBTA	BGH96M080C4C	43500	11.70	16.00	46000	9.50	46000	1300/900
❄️ BOVA-60MTB-M19E	BMAC4248CBTA	BGH96M100C5C	44000	11.70	16.50	47000	9.50	47000	1350/1150
❄️ BOVA-60MTB-M19E	BMAC4248DBTA	BGH96M100D5C	44500	11.70	16.50	47000	9.50	47000	1500/1150
❄️ BOVA-60MTB-M19E	BMAC4248DBTA	BGH96M120D5C	44500	11.70	17.00	47500	9.50	47500	1500/1150
❄️ BOVA-60MTB-M19E	BMAC4860DBTA	BGH96M100D5C	52000	11.70	18.00	55000	9.50	53000	1500/1150
❄️ BOVA-60MTB-M19E	BMAC4860DBTA	BGH96M120D5C	52500	11.70	18.00	55000	9.50	53000	1500/1150
❄️ BOVA-60MTB-M19E	BMAC4860CBTA	BGH96M100C5C	52000	11.70	18.00	55000	9.50	52000	1350/1150
PREMIUM CONNECTED SERIES OUTDOOR UNIT + BMAC CASED COIL + BGH96 FURNACE AHRI 210/240 - 2023 PERFORMANCE DATA									
❄️ BOVA-36RTB-M20S	BMAC2430ABTA	BGH96M060B3C	23800	11.7	18.0	24000	9.0	19600	740/540
❄️ BOVA-36RTB-M20S	BMAC2430ABTA	BGH96M080B3C	23800	11.7	18.0	24000	9.0	19600	750/560
❄️ BOVA-36RTB-M20S	BMAC2430BBTA	BGH96M060B3C	24000	12.0	18.5	24000	9.0	20000	760/550
❄️ BOVA-36RTB-M20S	BMAC2430BBTA	BGH96M080B3C	24000	12.0	18.5	24000	9.0	20000	750/560
❄️ BOVA-36RTB-M20S	BMAC3036ABTA	BGH96M060B3C	32800	10.6	17.0	34000	9.0	25000	1090/840
❄️ BOVA-36RTB-M20S	BMAC3036ABTA	BGH96M080B3C	32800	10.6	17.0	34000	9.0	25000	1050/840
❄️ BOVA-36RTB-M20S	BMAC3036BBTA	BGH96M060B3C	33600	11.0	17.5	34200	9.0	25000	1120/870
❄️ BOVA-36RTB-M20S	BMAC3036BBTA	BGH96M080B3C	33600	11.0	17.5	34200	9.0	25000	1060/850
❄️ BOVA-36RTB-M20S	BMAC3036CBTA	BGH96M080C4C	33600	11.0	17.5	34200	9.0	25000	1100/870
❄️ BOVA-36RTB-M20S	BMAC3036CBTA	BGH96M100C5C	33200	11.0	17.5	34200	9.0	25000	1000/780
❄️ BOVA-36RTB-M20S	BMAC4248BBTA	BGH96M080B3C	33000	11.0	18.0	34200	9.0	25200	1100/880
❄️ BOVA-36RTB-M20S	BMAC4248CBTA	BGH96M100C5C	33000	11.7	18.0	34200	9.0	25600	1060/840
❄️ BOVA-60RTB-M20S	BMAC4248BBTA	BGH96M080B3C	42500	11.7	16.0	43500	8.8	35000	1120/880
❄️ BOVA-60RTB-M20S	BMAC4248CBTA	BGH96M080C4C	42500	11.7	16.0	44500	8.8	35000	1130/900
❄️ BOVA-60RTB-M20S	BMAC4248CBTA	BGH96M100C5C	44000	11.7	16.5	46500	8.8	35600	1370/1150
❄️ BOVA-60RTB-M20S	BMAC4248DBTA	BGH96M100D5C	44500	11.7	16.5	47000	9.0	35600	1480/1200
❄️ BOVA-60RTB-M20S	BMAC4248DBTA	BGH96M120D5C	44500	11.7	17.0	47000	9.0	35600	1480/1200
❄️ BOVA-60RTB-M20S	BMAC4248CBTA	BGH96M100C5C	51500	11.4	17.5	53500	8.5	38000	1370/1150
❄️ BOVA-60RTB-M20S	BMAC4860DBTA	BGH96M100D5C	51500	11.7	18.0	54000	8.5	38500	1460/1170
❄️ BOVA-60RTB-M20S	BMAC4860DBTA	BGH96M120D5C	51500	11.7	18.0	54000	8.5	38500	1460/1170
IDS LIGHT AND PLUS SERIES OUTDOOR UNIT + BMAC CASED COIL + BGH96 FURNACE AHRI 210/240 - 2023 PERFORMANCE DATA									
❄️ BOVA-24RXB-M15S	BMAC2430ABTA	BGH96M060B3C	23600	10.6	16	24000	9	17600	750/550
❄️ BOVA-24RXB-M15S	BMAC2430ABTA	BGH96M080B3C	23600	10.6	16	24000	9	17600	750/550
❄️ BOVA-24RXB-M15S	BMAC2430BBTA	BGH96M060B3C	24000	10.6	16	24000	9	17600	750/550
❄️ BOVA-24RXB-M15S	BMAC2430BBTA	BGH96M080B3C	23600	10.6	16	24000	9	17600	750/550
BOVA-36RXB-M15S	BMAC3036ABTA	BGH96M060B3C	32400	10.0	16.0	34200	8.5	22800	1100/800
BOVA-36RXB-M15S	BMAC3036ABTA	BGH96M080B3C	32600	10.0	16.0	34200	8.5	22800	1100/800
BOVA-36RXB-M15S	BMAC3036BBTA	BGH96M060B3C	33000	10.5	16.0	34200	8.5	23000	1100/800
BOVA-36RXB-M15S	BMAC3036BBTA	BGH96M080B3C	32600	10.5	16.0	34200	8.5	23000	1100/800
BOVA-36RXB-M15S	BMAC3036CBTA	BGH96M080C4C	32800	10.5	16.0	34200	8.5	23000	1100/800
BOVA-36RXB-M15S	BMAC3036CBTA	BGH96M100C5C	32800	10.5	16.0	34200	8.5	23000	1100/1000
BOVA-36RXB-M15S	BMAC4248BBTA	BGH96M080B3C	33400	10.5	16.0	34200	8.5	23000	1100/800
BOVA-36RXB-M15S	BMAC4248CBTA	BGH96M100C5C	33600	10.5	16.0	34200	8.5	23000	1150/1000
❄️ BOVA-60RXB-M15S	BMAC4248BBTA	BGH96M080B3C	43000	10.5	16	44000	8.5	33000	1300/900
❄️ BOVA-60RXB-M15S	BMAC4248CBTA	BGH96M080C4C	43000	10.5	16	45000	8.5	33000	1300/900
❄️ BOVA-60RXB-M15S	BMAC4248CBTA	BGH96M100C5C	44500	10.5	16	47000	8.5	34000	1350/1150
❄️ BOVA-60RXB-M15S	BMAC4248DBTA	BGH96M100D5C	45500	10.5	16	47000	8.5	34200	1500/1150
❄️ BOVA-60RXB-M15S	BMAC4248DBTA	BGH96M120D5C	45500	10.5	16	47000	8.5	34200	1500/1150
BOVA-60RXB-M15S	BMAC4860CBTA	BGH96M100C5C	53500	10.0	16.0	54000	9	37600	1350/1150
BOVA-60RXB-M15S	BMAC4860DBTA	BGH96M100D5C	53500	10.0	16.0	54000	9	37600	1500/1150
BOVA-60RXB-M15S	BMAC4860DBTA	BGH96M120D5C	53000	10.0	16.0	53500	9	37600	1500/1150

Blue Text = ENERGY STAR Certified V6.1. ❄️ = ENERGY STAR V6.1 Cold Climate and ENERGY STAR V6.1 certified. (3) Energy Efficiency Ratio; Certified per AHRI 210/240. (4) Seasonal Energy Efficiency Ratio; Certified per AHRI 210/240. (5) HSPF = Heating Seasonal Performance Factor; Certified per AHRI 210/240. Note: Always check the rating plate for electrical data on the unit being installed. The listed data is for reference only. Please consult www.bosch-homecomfort.us for further details. NOTICE: Bosch's BGH96 96% Furnace 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.

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



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Bosch Home Comfort Group

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