



BOSCH

Invented for life

Buderus Conventional Gas Boilers

Buderus | GC144 & G234X

Buderus, the world leader in hydronic heating technology, manufactures the highest quality boilers based on over 280 years of experience. With its innovative design and quality manufacturing, a Buderus boiler will outlast and out-perform virtually any other residential hot water system in the world.





Quality. Versatility. Efficiency. Superior Design.

Meet the Buderus GC144 & G234X

Buderus products are acknowledged as the world standard in high efficiency, low emissions hydronic heating. All Buderus products are designed to meet strict safety and environmental regulations. Our boilers are easy to install and are configured for easy access and service. Buderus boilers will typically outlast and outperform most any other hot water heating system, and with proper maintenance can continue to deliver the highest efficiency throughout their operating life.

Superior Design

- ▶ Whisper quiet operation with integrated draft inducer
- ▶ Clean combustion, extremely high efficiency, economical operation, and longevity
- ▶ Buderus boilers are the perfect central heating source for single or multiple family homes and help assure reliable heating for many years
- ▶ Attractive design with front accessible controls
- ▶ All sections are tightly joined and sealed; patented GL-180M silicone-injected, gray cast iron provides excellent resistance to corrosion and thermal shock

Stainless Steel Premixed Burners

- ▶ Low emissions with premixed burner technology
- ▶ Factory tested for natural gas operation
- ▶ All models easily convert to propane
- ▶ Complete burner tray is easily removed for cleaning service maintenance
- ▶ Durable, quiet, efficient and designed for long life

Buderus GC144



Buderus G234X



Quality

Buderus patented GL-180M silicone injected, gray cast iron has excellent corrosion resistance against acidic combustion products, exceptional casting characteristics, and 40% greater flexibility and elasticity as well as high thermal conductivity to resist thermal shock under conditions of rapid temperature change. Quality and advanced engineering are also proven in the operation of the boilers.

The Buderus cast-iron sections are tightly joined together and sealed, ensuring a long life. Special compounds provide a gas-tight seal for safe and efficient operation. Staggered, contoured fins provide optimum heat transfer and efficiency, while the integrated draft inducer provides the added benefit of quiet operation. All of this is packaged in an attractive design with front accessible controls.

Efficiency

These Buderus boilers are available for use with natural gas or can be easily converted to propane. Factory tested stainless steel premixed burners allow for low emissions, and superior thermal insulation virtually eliminates standby temperature losses. Buderus boilers are designed for a long life, providing efficiency and durability for the homeowner, unsurpassed by the competition.



Buderus GC144

The GC144 Series gas boiler requires very little space—but don't let its compact size fool you. This boiler has the quality and features you expect from Buderus. The precision castings are made using the patented Buderus GL180M cast iron, an extremely robust and durable material that can be shaped for perfect heat flow patterns. The stainless steel atmospheric premix gas burner ensures precise premixing for excellent energy utilization. All GC144 boilers are CSA approved for installation on combustible floors, have electronic ignition and can be installed in elevations up to 8500'. The slim profile and convenient side piping are designed for quick and easy installation—especially as a replacement boiler. All GC144 models feature the AquaSmart control with the HeatManager function to adjust the water temperature based on heating demand for additional fuel savings.

Features

- ▶ 3 Models with inputs from 74,000 to 132,500 BTU/Hr
- ▶ 85% AFUE efficiency
- ▶ Compact boiler with advanced low temperature technology
- ▶ Side piping design for convenient boiler retrofit installation
- ▶ Limited lifetime warranty⁽¹⁾
- ▶ 3 Models with inputs from 74,000 to 132,500 BTU/Hr
- ▶ Stainless Steel Corrosion Resistant Premix Burners
- ▶ CSA approved for installation on combustible floors



Model	GC144/3	GC144/4	GC144/5
Performance Data			
Input BTU/Hr	74,000	103,000	133,000
D.O.E Capacity BTU/Hr	62,000	87,000	112,000
Net IBR BTU/Hr	54,000	76,000	97,000
AFUE %	85		
Piping Connections			
Vent Connection Size, in	5		6
Boiler Supply & Return, in	1 ^{1/4} NPT		
Physical Dimensions			
Ignition Type	Intermittent		
Number of Burners	2	3	4
Overall Boiler Length, in	13 ^{1/8}	16 ^{3/4}	20 ^{3/8}
Boiler Width, in	21 ^{1/2}		
Height, in	34 ^{3/8}		
Dimension A, in	13 ^{1/8}	16 ^{3/4}	20 ^{3/8}
Dimension B, in	8	8 ^{2/3}	9 ^{1/2}
Dry Weight (lbs.)	228	287	349.5

(1) Please go to boschheatingandcooling.com for full limited warranty details

Buderus G234X

The Buderus G234X is an atmospheric gas boiler that is perfect for large residential and/or light commercial applications. Designed to resist thermal shock for a long life and a high silicone cast iron surface for excellent corrosion resistance. Featuring a full 3½" of thermal insulation for minimal standby heat losses plus offers low emissions with Premixed Burner Technology. All Buderus boilers are durable, quiet, efficient and designed for long life. Buderus boilers are manufactured to the highest standards, for low emissions and are factory tested. The Buderus G234X may be field-converted to propane. Plus it is service friendly and features a burner tray that is completely removable to aid in cleaning and servicing.

Features

- ▶ Input from 60,000 to 266,000 BTU/Hr
- ▶ Atmospheric gas boilers
- ▶ Perfect for large residential and/or light commercial applications
- ▶ Full 3½" of thermal insulation for minimal standby heat losses
- ▶ Offers low emissions with Premixed Burner Technology
- ▶ Stainless steel premixed burners
- ▶ Factory tested for natural gas operation
- ▶ All models easily convert to propane
- ▶ Complete burner tray is easily removed
- ▶ Durable, quiet, efficient and designed for a long life



Model	G234X/38	G234X/45	G234X/55	G234X/64
Performance Data				
Input BTU/Hr	160,000	187,000	228,000	266,000
D.O.E Capacity BTU/Hr	130,000	154,000	188,000	219,000
Net IBR BTU/Hr	113,000	134,000	163,000	190,000
AFUE %	84.3	84.1	84.8	84.3
Combustion Efficiency	-	-	-	-
Thermal Efficiency	-	-	-	-
Piping Connections				
Damper Included	Yes			
Gas Connection, in	3/4			
Physical Dimensions				
Boiler Width, in (W)	25 ^{9/16}		29 ^{1/8}	32 ^{3/4}
Height, in (H)	38 ^{1/2}			
Dry Weight, lbs	487		565	684
Water Content, gal.	6.1		7.1	8.2
Vent, in	7			8

About **Bosch**

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, thermotechnology, 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 boschheatingandcooling.com and bosch.ca.

Bosch Thermotechnology in North America

Bosch Thermotechnology 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 Thermotechnology 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 boschheatingandcooling.com.

Bosch Water-Source Heat Pumps: Made in the U.S.A.

Bosch and FHP water-source and geothermal heat pumps are made by highly trained and skilled workers in our factory based in Fort Lauderdale, Florida. They are manufactured with rigorous standards and factory testing ensuring high efficient operation over the life of the unit. Bosch's ISO 9001 and ISO 14001 certified facilities provide consistent quality in every unit built.



Heating



Cooling



Hot Water



Controls

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