



BOSCH

Invented for life

Bosch Condensing Floor Boiler

SSB Stainless Steel Boiler

Featuring an efficiency of 96.8%, a compact design, the best price performance in the market and a peace of mind warranty, the SSB is ideal for new and replacement installations with the quality you have come to expect from Bosch. Available in four sizes: 85, 120, 160 and 255 MBH.





Comfort is best when you don't have to think about it!

Meet the Bosch Buderus SSB Boiler

We think comfort is best when it's effortless. That's why, at Bosch Thermotechnology, we work hard to bring you the highest quality heating and cooling systems, like the SSB Boiler Series. We build every one of our products to be reliable and user-friendly, that's invisible comfort – the kind you feel, but never have to think about.

Features

- ▶ Designed for long lasting and durable operation with high quality commercial-grade components
- ▶ Specially built insulation offering ultra-quiet operation, as low as 44 dB(a)
- ▶ Sleek appliance-like design with easy-to-operate primary human interface
- ▶ Top connections for easy installation
- ▶ Durable heat exchanger with zero welds on the water side to minimize the risk of thermal shock damages
- ▶ 10 year limited warranty on the heat exchanger, with 5 years parts and labor⁽¹⁾
- ▶ Manual Reset High Limit and LWCO with test button
- ▶ Easily connected to a room thermostat
- ▶ Outdoor reset and domestic hot water priority standard
- ▶ Smart System Control "Argus Vision" for easy set up and commissioning
- ▶ Included adapter allows connection to CPVC, PVC, PP, PP Flex, Stainless Steel AL29-4C, IPEX type IIA & IIB for use with single pipe, two pipe or concentric pipe

96%
AFUE



(1) Please go to [boschheatingandcooling.com](https://www.boschheatingandcooling.com) for full limited warranty details

System & Technical Information

A Commercial Boiler Design in a Residential Application

- ▶ Floor standing boiler with stainless steel heat exchanger and efficiency levels up to 96%
- ▶ Ideal for new construction with space-saving design and multiple venting options
- ▶ Can be used in different-sized applications with input ratings of 85, 120, 160 or 255 MBH
- ▶ Up to 8 boilers can be cascaded for up to 2,040 MBH for light-commercial applications
- ▶ Built from the same design found in our SSB commercial boilers
- ▶ 5:1 turn-down Pre-mix burner allows boiler to modulate down to as low as 17,000 BTU/Hr



Top connections for easy installation



Cascade up to 8 boilers for 2,040MBH



Integrated control with weather compensation

Technical Specifications	Unit of Measure	SSB85	SSB120	SSB160	SSB255
Part Number		7738004891	7738004892	7738004893	7738004894
Type of Gas		Natural Gas, Propane			
Application		Residential			Residential / Commercial
Max input rate	BTU/hr (kW)	85,300 (25)	119,420 (35)	160,364 (47)	255,000 (75)
Min input rate	BTU/hr (kW)	17,060 (5)	23,844 (7)	32,073 (9.4)	51,180 (15)
Turn-down	Rate (%)	5:1 (20 %)			
Gas Connections (NPT)	Ø Inch	¾"	¾"	¾"	1"
Max./ Min NG Pressure	Inch W.C. (mbar)	10.5 (26.15) / 3.5 (8.72)			
Max. / Min LPG Pressure	Inch W.C. (mbar)	13 (32.3) / 8 (19.9)			
Water Connections	Ø Inch	1"	1"	1"	1 ½ "
Max. Allowable Working Pressure (MAWP)	PSI (bar)	80 (5.5)			
Recommended water flow @ max power (ΔT 36 °F / 20 °C)	GPM (m3/h)	4.7 (1.1)	6.6 (1.5)	8.5 (1.9)	14.2 (3.2)
Max water flow @ max power (ΔT 27 °F / 15 °C)	GPM (m3/h)	6.3 (1.4)	8.8 (2.0)	11.4 (2.6)	18.9 (4.3)
Min water flow @ max power (ΔT 54 °F / 30 °C)	GPM (m3/h)	3.2 (0.7)	4.4 (1.0)	5.7 (1.3)	9.5 (2.2)
Min water flow @ min power (ΔT 27 °F / 15 °C)	GPM (m3/h)	1.3 (0.3)	1.8 (0.4)	2.3 (0.5)	3.8 (0.9)
Water Pressure Drop @ recommended water flow	Feet W.C. (Mbar)	2.34 (70)	5.35 (160)	10.37 (310)	5.3 (160)
Water Pressure Drop @ max water flow	Feet W.C. (Mbar)	3.81 (114)	9.20 (275)	18.40 (550)	6.4 (190)
Water Volume	Gallon (liter)	0.79 (3)	1 (3.8)	1.21 (4.6)	4.0 (15.2)
Vent/Air Intake Connections	Ø Inch (Ø mm)	2 (60)	2 (60)	2 (60)	3 (80)
Max operating temperature	°F (°C)	194 (90)			
Max HE allowable temperature	°F (°C)	210 (98.9)			
Ambient storage temperature dry	°F (°C)	5 to 158 (-15 to 70)			
Ambient functioning temperature	°F (°C)	32 to 120 (0 to 49)			
Surface heat exchanger	SQ.FT. (m2)	8.61 (0.8)	10.76 (1.0)	12.91 (1.2)	22.0 (2.0)
Standard Listings & Approvals		CSA, ASME, AHRI			
Electrical Req. 120VAC/1PH/60Hz		1.5 FLA*	2.0 FLA*	3.4 FLA*	4 FLA*
Noise rating	dB	45	44	49	46
Weight (dry)	lbs (kg)	110 (50)	132 (60)	154 (70)	198 (90)
Min. clearance to combustibles*	Inch (mm)	2" (50.8)			
Dimension W x H x D - (inches rounded up to the nearest 1/8")	Inch (mm)	20 X 39 ¾ X15 ¾ (508 X 1006 X 388)	20 X 47 ½ X15 ¾ (508 X 1006 X 388)	20 X 47 ½ X15 ¾ (508 X 1006 X 388)	24 x 61 ¾ x 21 ¾ (609x1564x550)

* See manual for details

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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