

Home Comfort Group



**BOSCH**

## Bosch Singular Condensing Combi Boilers

A "singular solution" for efficient, dependable home heating & domestic hot water



[www.bosch-homecomfort.us](http://www.bosch-homecomfort.us)



# A Singular Solution For Reliable Heat & Hot Water

## Bosch Singular Condensing Combi Boilers

Bosch Singular combi boilers are the "singular solution" for efficient, dependable home heating with up to 7.7 gallons per minute of domestic hot water production. Depending on incoming water temperature, Singular can run up to three showers and a dishwasher simultaneously. Singular is a wall-mounted combi boiler that can be used in many hydronic heating applications. Their small, lightweight form makes for easy installation, and the stainless steel heat exchanger system offers excellent performance at a cost-effective price. Singular is highly efficient, with a 95% AFUE rating; this makes your new system eligible for up to 75% savings in local and/or federal energy rebate programs. Visit [Bosch-HomeComfort.us](http://Bosch-HomeComfort.us) to find the available efficiency rebates in your area.<sup>◇</sup>

- ▶ High-efficiency condensing combi wall boiler - 95% AFUE rating
- ▶ Built-in boiler circulator pump
- ▶ Stainless steel primary & secondary heat exchangers for cost-effective, reliable performance
- ▶ All models are field convertible from NG to LP with included conversion kit
- ▶ Capable of outdoor reset with accessory temperature sensor (not included)
- ▶ Eco-friendly low NOx metal fiber burner
- ▶ Turndown ratio up to 10:1
- ▶ 2" PVC vent up to 60' (3" venting up to 150')
- ▶ Exhaust gas temperature sensor ensures safe operation
- ▶ 10-year heat exchanger, 5-year parts, and 1-year labor limited warranty<sup>§</sup>

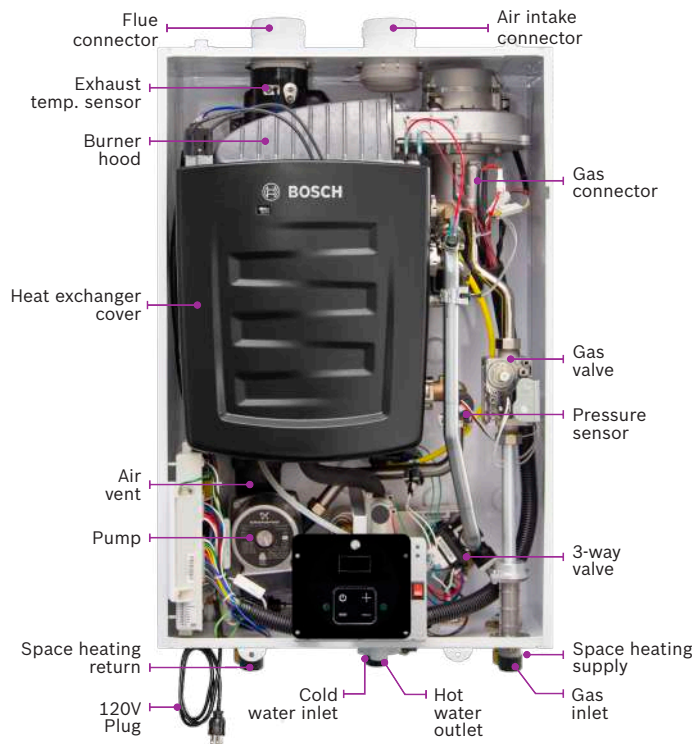


## Bosch Singular Boiler Applications

Singular combi wall boilers provide efficient heating and plenty of hot water for many residential applications. There are two different models to choose from: 155K BTU and 199K BTU. Both can make enough domestic hot water for most residential bathing needs.

## Superior Design & Components

Depending on inlet water temperature, the 4000 can run between 2 and 3 showers and the 5200 can run 3 showers plus a dishwasher. There's plenty of endless hot water available with Singular. Both models have a small footprint and are under 80 pounds, making installation a breeze. Features like an exhaust gas outlet sensor and a standard inlet filter screen to keep out debris provide extra protection for the boiler.



## Residential Limited Warranty<sup>s</sup>

Receive peace-of-mind knowing you will receive a 10 year heat exchanger, 5 year parts, and 1 year labor limited warranty. This standard offering covers the components incorporated into the Singular boiler at the time of manufacture.

## Prefabricated Low Loss Header

The prefabricated low-loss header is specially designed for the circulator installed in the wall boiler and ensures proper flow-rate through the unit. By simplifying the piping, the manifold allows for quicker, easier, and trouble-free installation of a Singular boiler.



## Singular Accessories

MODEL	PART NO.
Outdoor Temp Sensor	7-738-007-304
Flame Rod Assembly	7-738-007-259
Electrode Assembly	7-738-007-260
Singular Manifold	7-738-007-396

MODELS		SINGULAR 4000	SINGULAR 5200
PART NUMBER		7-738-007-219	7-738-007-220
HEAT CAPACITY (INPUT)	SPACE HEATING	19,900–80,000 BTU/H	19,900–140,000 BTU/H
	DOMESTIC HOT WATER	19,900–155,000 BTU/H	19,900–199,000 BTU/H
FLOW RATE (DHW)	45°F (25°C) TEMP RISE	6.0GPM (23LPM)	7.7GPM (29LPM)
	67°F (37°C) TEMP RISE	4.0GPM (15LPM)	5.2GPM (20LPM)
AFUE	NATURAL GAS (PROPANE)	95.0% (95.0%)	95.0% (95.0%)
DIMENSIONS (W X H X D)		18.1" x 27.6" x 11.6" (460 mm x 700 mm x 295 mm)	
INSTALLATION TYPE		Indoor wall-hung	
VENTING METHOD		Forced draft direct vent	
IGNITION		Electronic	
WATER PRESSURE (HYDRONIC/DHW)		12–30psi/15–150 psi	
SUPPLY PRESSURE	NATURAL GAS	3.5" – 10.5" WC	
	PROPANE	8" – 13" WC	
MINIMUM FLOW RATE (DHW)		0.5GPM (1.9LPM)	
TEMPERATURE RANGE	SPACE HEATING	82°F – 180°F (27°C – 82°C)	
	DHW	86°F – 140°F (31°C – 60°C)	
CONNECTION SIZES	SUPPLY/RETURN	1" NPT	
	COLD WATER INLET	3/4" NPT	
	HOT WATER OUTLET	3/4" NPT	
	GAS INLET	3/4" NPT	
POWER SUPPLY	MAIN SUPPLY	120V AC, 60 Hz / use less than 5 AMP	
PRIMARY & SECONDARY HEAT EXCHANGER		Stainless steel	
VENTING	EXHAUST/INTAKE	2" or 3" PVC, CPVC, Polypropylene Special gas vent type BH (Class II, A/B/C)	
	2IN.	60ft (18.3m)	
	3IN.	150ft (45.7m)	
	VENT CLEARANCES	0" to combustibles	
SAFETY DEVICES		Flame rod, APS, over heat preventer, LWCO switch, exhaust temp. high limit sensor, power surge fuse	



# 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](http://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](http://www.bosch.com)



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