



**BOSCH**

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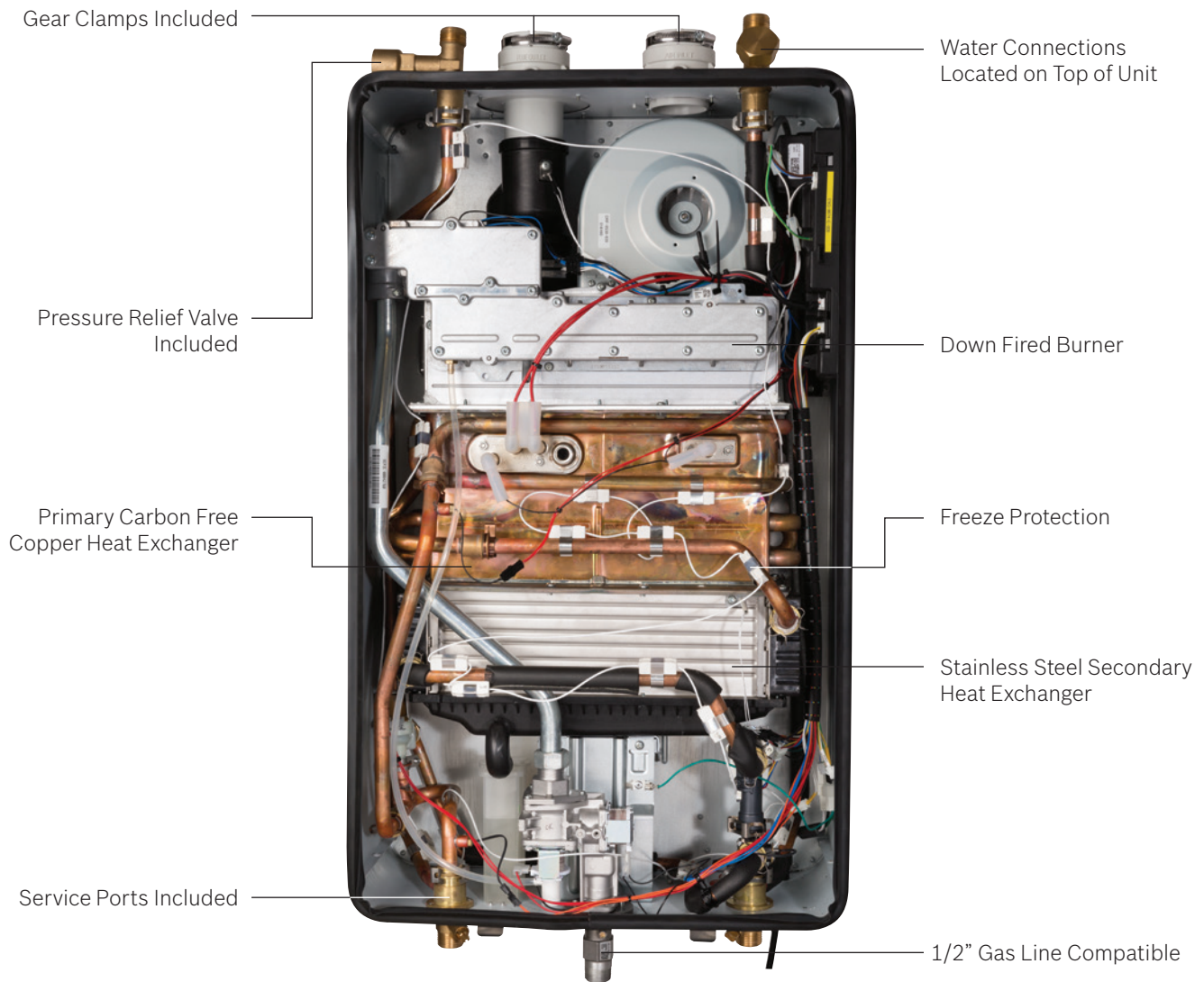


Introducing

## **Greentherm 9800 SE 160/199 9800 SEC 199**

Indoor residential and  
commercial tankless water heater

- ▶ Ease of installation for retrofit or new construction, top water connections
- ▶ Easy installation with 60' of 2" venting or 280' of 3" venting
- ▶ Self-adjusting for altitude and gas type
- ▶ Ease of maintenance... service valves already installed on unit
- ▶ Models available with recirculation pump
- ▶ WIFI available on all models



Technical Characteristics	Units	Greentherm 9800 SE / SEC 199 000 BTU	Greentherm 9800 SE 160 000 Btu
<b>Capacity</b>			
Maximum flow rate at a 35 °F (19.4 °C) rise	GPM (l/min)	11.2 (42.4)	9 (34)
Maximum flow rate at a 45 °F (25 °C) rise	GPM (l/min)	8.7 (32.9)	7(26.7)
Maximum flow rate at a 55 °F (30.6 °C) rise	GPM (l/min)	7.2 (27.5)	5.8 (21.9)
Maximum flow rate at a 75 °F (41.7 °C) rise	GPM (l/min)	5.2 (19.7)	4.2 (15.9)
Maximum flow rate at a 90 °F (50 °C) rise	GPM (l/min)	4.4 (16.6)	3.5 (13.2)
Maximum output	BTU/hr (kW)	197,010 (57.7)	157,608 (46.2)
Maximum input <sup>1)</sup>	BTU/hr (kW)	199,000 (58.3)	160,000 (46.64)
Thermal efficiency (Efficiency in %)	%	> 99%	> 99%
Minimum Input	BTU/hr (kW)	9,000 (2.6)	9,000 (2.6)
Temperature Control <sup>2)</sup>			
Residential models - Selection range	°F (°C)	100 - 120 <sup>3)</sup> (38 - 49)	100 - 120 <sup>3)</sup> (38 - 49)
Commercial models - Selection range	°F (°C)	100 - 180 (38 - 82)	-
Default temperature	°F (°C)	120 (49)	120 (49)
Temperature stability <sup>4)</sup>	°F (°C)	±2 (±1)	±2 (±1)

1) Input rating is based on sea level operation and need not be changed for operation up to 2000 ft (610 m) elevation. For operation at elevations above 2000 ft (610 m), input rating is automatically reduced at the rate of 4 percent (US) or 10 percent (Canada) for each 1000 ft (305 m) above sea level.

2) With constant flow. 3) Can be reprogrammed to achieve 140 °F (60 °C). 4) Requirements: Steady flows, single unit installations, up to 140 °F (60 °C).

**Bosch Thermotechnology Corp.**

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Subject to change without notice.