

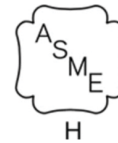


Eco-King

CANADIAN CRAFTSMANSHIP
EUROPEAN ENGINEERING

HEET 199: A NEW GENERATION TANKLESS WATER HEATER

- **97.5% efficiency** rating driven by a unique single-pass **stainless-steel heat exchanger**, engineered with wide passageways to maximize corrosion resistance and durability.
- Delivers **clean, efficient performance** through a **10:1** turndown ratio and **continuous electronic monitoring**; units are natural gas fired with the flexibility to be field-converted to propane.
- With an **intuitive, user-friendly control system** that is standardized across the entire Eco-King lineup, simplifying operation for both residential and commercial applications.
- Designed for **installation flexibility**, the unit supports combined vent lengths of up to 150 feet and includes dual vent connectors with integrated analyzer test ports.
- Fully equipped with an **internal Grundfos pump** for thermal stability, a **water hammer arrester**, an **ASME-rated relief valve**, and an **isolation flush kit** to facilitate seamless future maintenance.
- Long-term peace of mind with a substantial **15-year warranty** on the main heat exchanger and **2-year coverage** on component parts.



Superior 97.5% efficiency meets
lasting stainless steel durability

Head Office

#103 - 2567 192 St.
Surrey, BC, V3S3X1

604.385.3265

sales@ecokingheating.com



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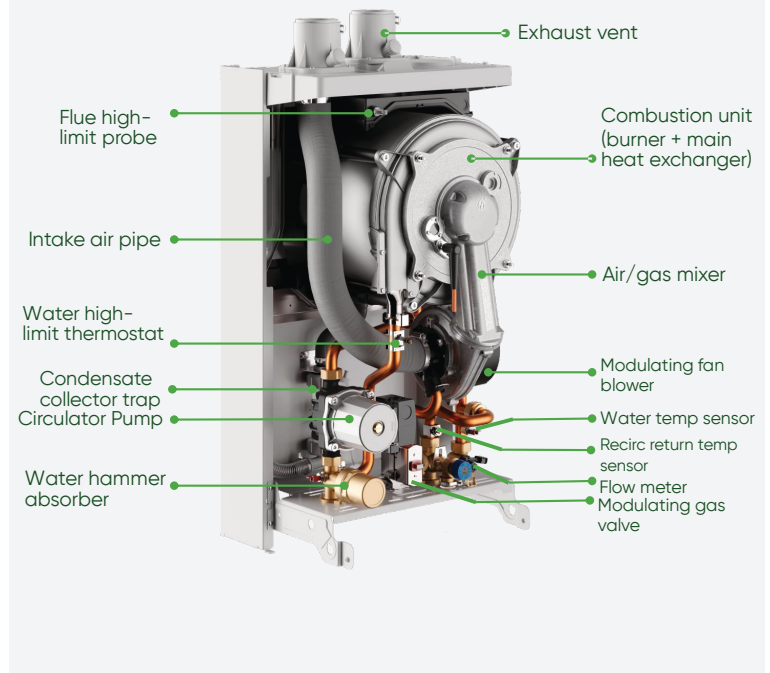
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Dimensions (HxWxD)

29-1/8"x15-3/4"x15" in.
(740x400x380) mm

Weight

36 kg
79 lb

Maximum sound level

63 dB

Vent connection

2"
51 mm

Maximum Heat Input

19,900 - 199,000 btuh
5.8 - 58.3 kW

Minimum Heat Input

18.815 - 193,958 btuh
5.5 - 56.8 kW

Connections

Water Connections

Inlet: 3/4"
Outlet: 3/4"
Return: 3/4"

Gas Connection

1/2"

Electrical Ratings

Power Supply 120 V - 60Hz
Overall el. power (max) 160 W
Overall el. power (min) 65 W
El. board in standby 5 W
Fuse rating 3.15 A

DHW

Flow rate @ temperature rise Δt 35°F (19°C)	gpm (l/min)	11.3 (42.9)
Flow rate @ temperature rise Δt 45°F (25°C)	gpm (l/min)	8.6 (32.6)
Flow rate @ temperature rise Δt 67°F (37°C)	gpm (l/min)	5.8 (22.0)
Flow Restrictor	gpm (l/min)	5.8 (22.0)
Domestic Hot Water minimum flow rate	gpm (l/min)	0.8 (3)
Recovery Rating	GPH (lph)	235
Pressure Relief Valve Rating	psi (bar)	150 (10.3)
Minimum DHW pressure	psi (bar)	2.3 (0.16)
DHW temperature min-max	°F (°C)	99 - 140 (37-60)
Water connections		
Inlet	in.	3/4"
Outlet	in.	3/4"
Return	in.	3/4"
Gas connections	in.	1/2"
Combustion		
NG CO air free min - max lower than (*)	ppm	15 - 2000
CO ₂ min-max	%	9.0
Exhaust temp min-max (*)	°F (°C)	140 - 120 (60 -49)
Flue temp high limit	°F (°C)	149 (65)
LPG CO air free min - max lower than (*)	ppm	15 - 350
CO ₂ min-max	%	10.5
Exhaust temp min-max (*)	°F (°C)	140 - 104 (60-40)
Flue temp high limit	°F (°C)	149 (65)

Gas table

		Natural gas	Propane
Nominal Supply Pressure	in. w.c. (mbar)	7.0" (17.4)	11.0" (27.4)
Minimum Supply Pressure	in. w.c. (mbar)	3.5" (8.7)	8.0" (19.9)
Gas Office Diameter	in. (mm)	5/16" (8.0)	1/4" (6.3)
Maximum Gas Flow Rate	cu. ft./hr (m3/h) lbs/hr (kg/hr)	196.3 (5.56)	-
Minimum Gas Flow Rate	cu. ft./hr (m3/h) lbs/hr (kg/hr)	19.6 (0.56)	-
Nominal pressure hydrogen mixture (CH4=80%/H2=20%)	mbar	7.0" (17.4)	-