

EcoSmart™ ECO Tankless Electric Water Heaters

Provide Endless Hot Water in a Durable, Space-Saving Design

ECO 8 and ECO 11 are designed for one or two applications and are installed at the point-of-use. The durable, compact design allows installation in tight spaces. Perfect for a low flow faucet or bathroom faucet. In warmer climates, these models can accommodate a shower. To select a unit that meets electrical and hot water gallons per minute (GPM) requirements, please use the sizing guide.

PERFORMANCE FEATURES

- **Saves Space** – up to 93% smaller than a standard electric water heater
- **Saves Energy** – zero standby heat loss when installed near point-of-use
- **More Hot Water** – up to 4 times the hot water delivery of a standard electric tank (per hour)
- **High Efficiency** – UEF up to .96 and advanced self-modulating technology only consumes the power needed to satisfy hot water demand
- Copper immersion heating elements improve the thermal performance providing better temperature control and faster recovery of hot water
- Stainless steel heat exchanger transfers heat fast and resists corrosion
- Durable, lightweight engineered polymer shell does not rust or corrode
- Brass ½ compression fittings (CF) located on the side for the inlet and outlet water connections provide strength and durability
- Designed to be mounted in an upright position with the inlet and outlet water connections on the side of the unit
- Venting is not required to operate, simplifying the installation process compared to a gas tankless water heater
- Digital thermostatic temperature controls in 1-degree increments ranging from 80°F - 140°F (26°C - 60°C)

WARRANTY

- Limited Lifetime Warranty – product registration required
See Use and Care Manual for complete information.



These products meet a stringent set of our company's internally defined sustainability standards

TANKLESS ELECTRIC SPECIFICATIONS & MINIMUM REQUIREMENTS

Model #	ECO 8	ECO 11
Power (kW)	8	13
Voltage	240	240
Total Unit Amperage (AMPS)	33	54
Required Number of Dedicated Circuit Breakers	1 x 40 A Double Pole	1 x 60 A Double Pole
Household Electrical Service Panel Recommendations	100 AMPS	100 AMPS
Phase	1	1
Uniform Energy Factor (UEF)	0.96	0.92
Required Wire	8 AWG*	6 AWG*
Water Connections	½" CF	½" CF
Element	1	2
Dimensions	11.4" H x 7.9" W x 3.7" D	11.4" H x 7.9" W x 3.7" D
Weight	4.75 lbs.	6.5 lbs.
Heat Exchanger	Stainless Steel	Stainless Steel
Operating Pressure	Minimum: 25 PSI Maximum: 150 PSI	
Flow Activation (GPM)	0.3 GPM	

NOTE: When converting from an electric tank to an electric tankless water heater, household electric service panel upgrades are often required. Please see the electric service panel recommendations above.

*AWG - American Wire Gauge

POINT-OF-USE



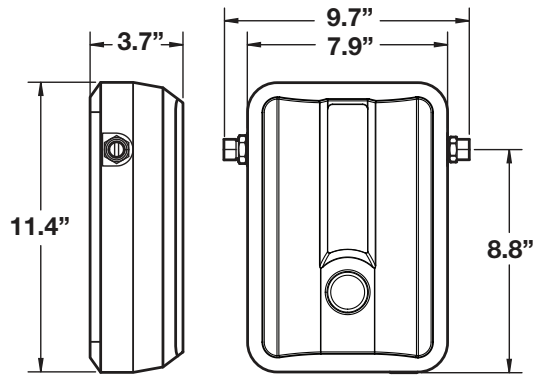
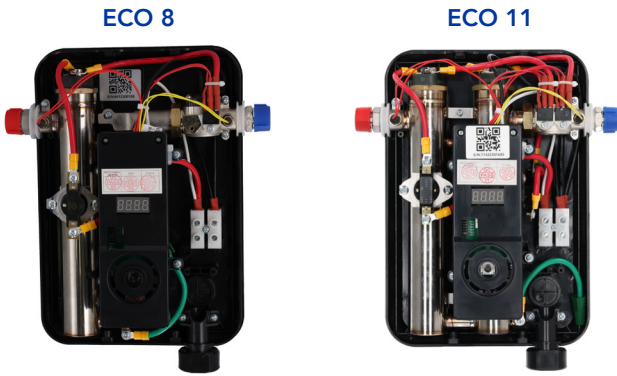
ECO 8



ECO 11



Tested and certified by the Water Quality Association against NSF/ANSI 372 for lead free compliance.



SIZING A TANKLESS ELECTRIC WATER HEATER

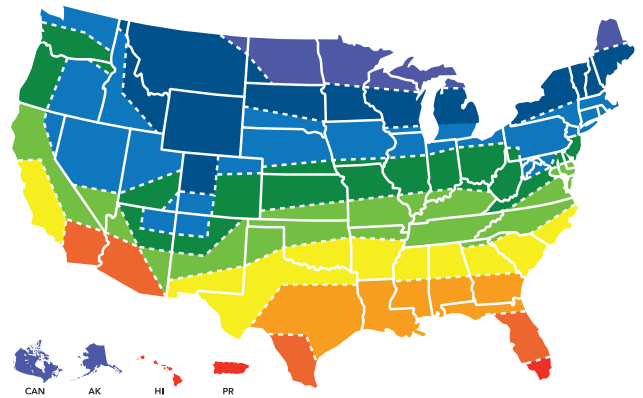
IMPORTANT – Verify that your home meets the electrical requirements. See specifications and minimum requirements. (front side)

- 1 Estimate your total household gallons per minute (GPM) needs by adding up the average flow rates by fixture (faucets, showers) **that run at the same time.**

Ex. 1 bathroom faucet and 1 low flow faucet running at the same time adds up to 1.5 GPM (1 + 0.5 = 1.5 GPM)

- 2 Locate your zone on the map.

U.S. AVERAGE GROUND WATER TEMPERATURE ZONE MAP



AVERAGE FLOW RATES (GPM) BY FIXTURE

Low Flow Faucet	0.5
Bathroom Faucet	1
Kitchen Faucet	1.5
Low Flow Shower	1.5
Shower	2

Flow rates may vary.

- 3 Select the model that can supply you with the estimated total household gallons per minute (Step 1) with the ground water temperature in your zone.

FLOW RATE CAPACITY TABLE BY ZONE (GALLONS PER MINUTE - GPM)

Model #	Zone 1 37°F/ 3°C	Zone 2 42°F/ 5°C	Zone 3 47°F/ 8°C	Zone 4 52°F/ 11°C	Zone 5 57°F/ 14°C	Zone 6 62°F/ 17°C	Zone 7 67°F/ 20°C	Zone 8 72°F/ 22°C	Zone 9 77°F/ 28°C
ECO 8	0.8	0.9	0.9	1.0	1.1	1.3	1.4	1.7	2.0
ECO 11	1.3	1.4	1.5	1.7	1.9	2.1	2.3	2.7	3.2

Flow rates are calculated to a set point of 105°F. Ground water temperature varies seasonally.



Sharing the Warmth™