

EcoSmart™ ECOS Tankless Electric Water Heaters Provide Endless Hot Water at a Great Value

ECOS 18 and ECOS 27 tankless electric water heaters are available at a great value for new construction builds and all applications in the home including point-of-use installation. In warmer climates, these models provide enough hot water to run multiple fixtures simultaneously. All ECOS models include a 5-year leak and 1-year parts warranty. 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 sheathed immersion heating elements fit into a single chamber with threaded brass connections for easy replacement
- Stainless steel heat exchanger reduces corrosion for long life
- **EcoSmart™ Exclusive** – SafeStart™ technology engages upon start-up and any power outage to help avoid dry-fire occurrence and protect the unit
- Durable, lightweight engineered polymer shell does not rust or corrode
- Designed to be mounted in an upright position with the inlet and outlet water connections at the bottom of the unit for ease of installation
- 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 60°F - 140°F (26°C - 60°C)

WARRANTY

- 5 Years - Leaks, 1 Year - Parts.
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 # | ECOS 18 | ECOS 27 |
|--|------------------------------------|------------------------|
| Power (kW) | 18 | 27 |
| Voltage | 240 | 240 |
| Total Unit Amperage (AMPS) | 75 | 112.5 |
| Required Number of Dedicated Circuit Breakers | 2 x 40 A Double Pole | 3 x 40 A Double Pole |
| Household Electrical Service/Panel Recommendations | 150 AMPS | 200 AMPS |
| Phase | 1 | 1 |
| Uniform Energy Factor (UEF) | 0.96 | 0.94 |
| Required Wire (75°C Insulation) | 8 AWG* | 8 AWG* |
| Water Connections | ¾" NPT | ¾" NPT |
| Dimensions | 19"H x 9.25"W x 4.25"D | 19"H x 9.25"W x 4.25"D |
| Weight | 9.3 lbs. | 10.9 lbs. |
| Heat Exchanger | Stainless Steel | Stainless Steel |
| Operating Pressure | Minimum: 30 PSI Maximum: 150 PSI | |
| Flow Activation Rate (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 household electric service panel recommendations above.
*AWG - American Wire Gauge

WHOLE HOME



ECOS 18

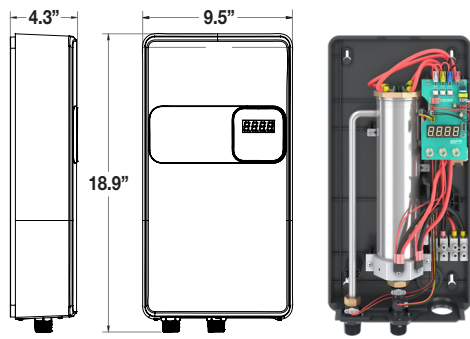


ECOS 27

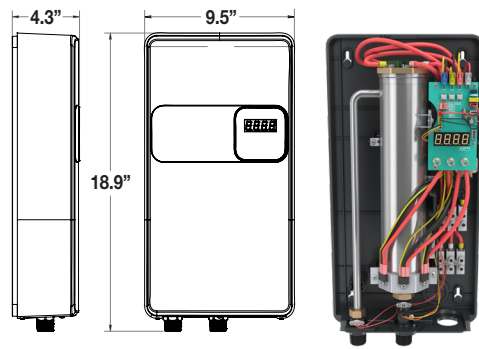


Tested and certified by the Water Quality Association against NSF/ANSI 372 for lead free compliance.

ECOS 18



ECOS 27



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 (showers, faucets, dishwasher, washing machine) **that run at the same time.**

Ex. 1 shower and 1 kitchen faucet running at the same time adds up to 3.5 GPM (2 + 1.5 = 3.5 GPM)

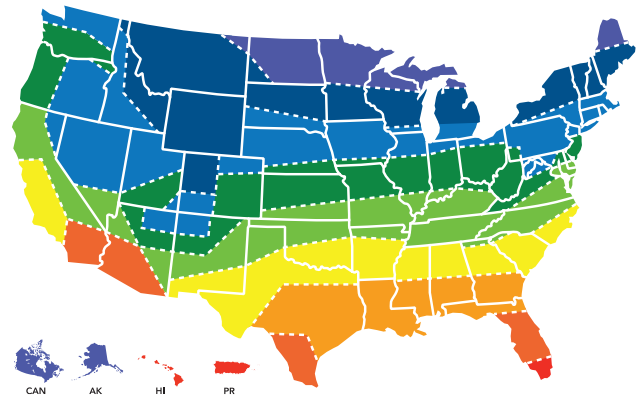
AVERAGE FLOW RATES (GPM) BY FIXTURE

| | |
|-----------------|-----|
| Low Flow Faucet | 0.5 |
| Bathroom Faucet | 1 |
| Kitchen Faucet | 1.5 |
| Shower | 2 |
| Dishwasher | 2 |
| Washing Machine | 3 |

Flow rates may vary.

- 2 Locate your zone on the map.

U.S. AVERAGE GROUND WATER TEMPERATURE ZONE MAP

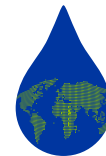


- 3 Select the model that can supply you with the estimated total household gallons per minute (Step 1) with the ground water temperature in your zone.

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 |
|---------|------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| ECOS 18 | 1.8 | 2.0 | 2.1 | 2.3 | 2.6 | 2.9 | 3.2 | 3.7 | 4.4 |
| ECOS 27 | 2.7 | 2.9 | 3.2 | 3.5 | 3.8 | 4.3 | 4.9 | 5.6 | 6.6 |

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



ecosmart[®]
TANKLESS WATER HEATERS

Sharing the Warmth™