

# Eemax® HomeAdvantage II®

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

HA018240, HA024240, HA027240, HA036240 tankless electric water heaters are ideal for new construction builds and all applications in the home including point-of-use installation. The durable, compact design allows installation in tight spaces. In warmer climates, these models provide enough hot water to run multiple fixtures simultaneously. All HomeAdvantage II models include a lifetime limited 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 the 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 .94 and advanced self-modulating technology only consumes the power needed to satisfy hot water demand
- Copper immersion heating elements fit into a multi-chamber design to improve the thermal performance providing better temperature control and faster recovery of hot water
- Copper heat exchanger transfers heat fast and resists corrosion
- Durable powder-coated shell with a stainless steel inlay and a galvanized steel backplate
- Brass NPT fittings located on the bottom 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 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 80°F - 140°F (26°C - 60°C)

## WARRANTY

- Limited 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



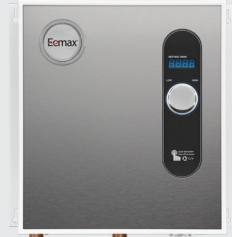
Tested and certified by the Water Quality Association against NSF/ANSI 372 for lead free compliance.

## Tankless Electric Water Heaters

### WHOLE HOME



HA018240



HA024240



HA027240



HA036240

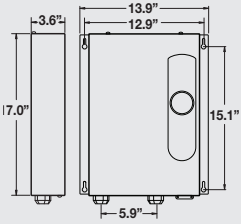
## TANKLESS ELECTRIC SPECIFICATIONS & MINIMUM REQUIREMENTS

Model #	HA018240	HA024240	HA027240	HA036240
<b>Power (kW)</b>	18	24	27	36
<b>Voltage</b>	240	240	240	240
<b>Total Unit Amperage (AMPS)</b>	75	100	113	150
<b>Required Number of Dedicated Circuit Breakers</b>	2 x 40 A DP*	3 x 40 A DP*	3 x 40 A DP*	4 x 40 A DP*
<b>Household Electrical Service Panel Recommendations</b>	150 AMPS	200 AMPS	200 AMPS	300 AMPS
<b>Phase</b>	1	1	1	1
<b>Uniform Energy Factor (UEF)</b>	0.94	0.93	0.93	0.94
<b>Required Wire (75°C Insulation)</b>	2 x 8 AWG**	3 x 8 AWG**	3 x 8 AWG**	4 x 8 AWG**
<b>Water Connections</b>	¾" NPT	¾" NPT	¾" NPT	¾" NPT
<b>Multi-Chamber Design</b>	2 chambers	3 chambers	3 chambers	4 chambers
<b>Dimensions</b>	17" H x 14" W x 3.635" D	17" H x 17" W x 3.625" D	17" H x 17" W x 3.625" D	17" H x 21" W x 3.625" D
<b>Weight</b>	11.7 lbs.	14.25 lbs.	14.7 lbs.	18.35 lbs.
<b>Heat Exchanger</b>	Copper	Copper	Copper	Copper
<b>Operating Pressure</b>	Minimum: 25 PSI   Maximum: 150 PSI			
<b>Flow Activation Rate (GPM)</b>	0.3 GPM			

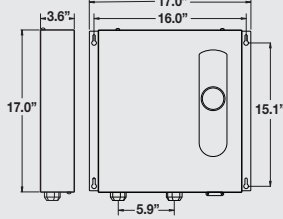
**NOTE:** When converting from an electric tank to an electric tankless water heater, household electric service panel upgrades are often required. Please see the electric service panel recommendations above.

\*DP - Double Pole \*\*AWG - American Wire Gauge

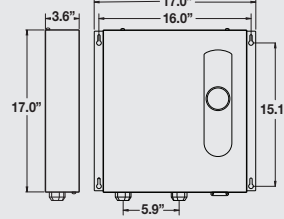
### HA018240



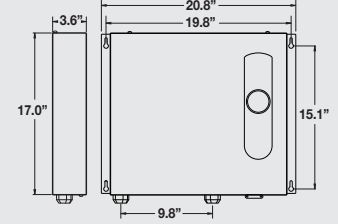
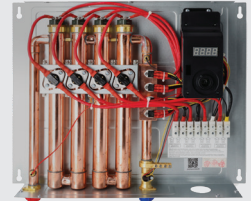
### HA024240



### HA027240



### HA036240



## SIZING A TANKLESS ELECTRIC WATER HEATER

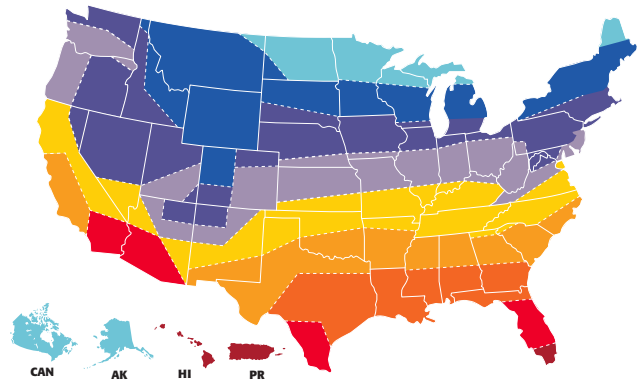
**IMPORTANT – Verify that your home meets the electrical requirements. See specifications and minimum requirements. (front side)**

**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)

**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
Shower	2
Dishwasher	2
Washing Machine	3

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
HA018240	1.8	2.0	2.1	2.6	0.9	2.9	3.2	3.7	4.4
HA024240	2.4	2.6	2.8	3.1	3.4	3.8	4.3	5.0	5.9
HA027240	2.7	2.9	3.2	3.5	3.8	4.3	4.9	5.6	6.6
HA036240	3.6	3.9	4.2	4.6	5.1	5.7	6.5	7.5	8.8

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

### OPTIONAL – Flow Regulator Sizing Table by Zone (Gallons Per Minute – GPM)

The flow regulator fitting threads onto the outlet water connection and limits the outlet flow to the GPM specified in the table. Select the appropriate GPM insert for your model based on your zone. This is an optional part to ensure accurate temperature output.

Model #	kW	Connection Size	Part #	Zone 1	Zone 2/3	Zone 4/5	Zone 6/7	Zone 8/9
				37°F/ 3°C	42-47°F/ 5-8°C	52-57°F/ 11-14°C	62-67°F/ 17-20°C	72-77°F/ 22-28°C
HA018240	18	¾" NPT	IFR 3-4	–	2.0	2.0	2.0	3.0
HA024240	24	¾" NPT	IFR 3-4	2.0	2.0	3.0	3.0	4.0
HA027240	27	¾" NPT	IFR 3-4	2.0	2.0	3.0	4.0	5.0
HA036240	36	¾" NPT	IFR 3-4	3.0	4.0	4.0	5.0	–

NOTE: (–) indicates flow regulator insert is not recommended in this zone.