



ECO55B / ECO55W

Tankless electric water heater offer continuous hot water quick and on demand for single point-of-use.



**Dimension**



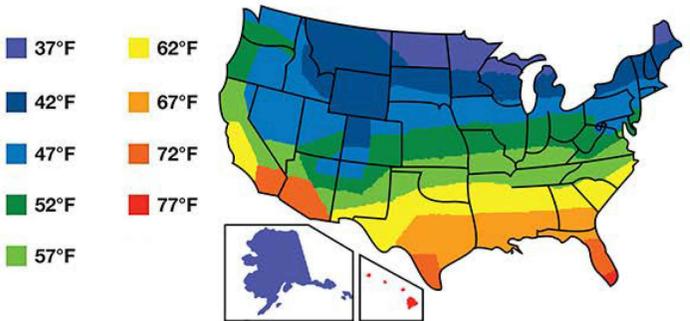
**Electric Tankless Water Heater For Sinks**

Being one of those limited choices with smart modulation heating, ECOTOUCH tankless water heater provides instant & endless hot water with optimal thermal efficiency of 98% and minimum energy cost. Thus, the tankless water heater heats up 1.2GPM water from 67°F to 109°F, which out runs most point use water heaters and will sure cut your electric bill.

Designed with compact size, it is one of perfect solutions for Kitchen & Bathroom Sinks, Wet Bars, Strip Malls, Doctor's Office.

**Instruction Guide**

1. The ECO55 instant water heater must be installed professionally, with 240V power source, 10AWG wires, 30AMP double pole circuit breaker, fine Grounding connection.
2. For the best service and lifespan of the hot water unit, it is advised that a descaler device should be installed inline to the supply line (cold) to avoid any potential damage due to scale build-up.
3. Steps for installation:
  - (1) Determine where to place the hot water unit, drill hole for mounting bracket and get them fixed with anchors and screws provided.
  - (2) Hang the hot water heater unit in place and drag it downwards, make sure it sits tight.
  - (3) Before pipe connection, run water for more than 10 seconds to flush all the loose particles, so as to avoid clogging the machine.
  - (4) Use the rubber washers to avoid water leaking issue when you do pipe connection and make sure they are placed evenly.
  - (5) Use a monkey wrench to tighten pipe connection, but don't apply excessive force and make sure the pipe not be damaged.
  - (6) Turn on the faucet to run water through for 3 minutes, purge all the air out of the unit. Failure to do so may cause damage to the unit and its lifespan.
  - (7) Insert the 240V Double Pole Breaker into right place in the breaker panel, run a set of 10AWG wires with Grounding wire from the breaker panel to the hot water heater.
  - (8) Connect the 2 hot wires separately to the Black(L1) and Red(L2) cable of the unit so as to get 240V power supply, the Grounding wire must be connected to the green cable of the unit and make sure it is connected firmly to the Grounding bar of the breaker panel.
  - (9) Switch on power supply on the breaker, run water through and then press the Power button of the unit to turn on.
  - (10) Set outlet temperature with "UP" and "DOWN" buttons, temp rises in seconds, which can be seen on the screen.
  - (11) If you can see only "Actual temp" on the display, it means no water running through or water pressure is not enough to activate the unit, increase waterflow to that.
  - (12) In cold days, you should reduce flowrate to very slow to keep water running through but not enough to activate heating, so as to avoid frozen damage. In extreme cold days, please drain water out of the unit if it is not used. When the unit is supposed to get any frozen issue inside, it is forbidden to start heating until all ice has been melt, failure to do so will result in serious damage to the unit.



For desired outlet water temp, ECO55 electric water heater is suggested for sinks only.

<b>Inlet Temp: 37°F</b> ECO 55 @ 0.7 GPM Outlet Temp: 99°F	<b>Inlet Temp: 42°F</b> ECO 55 @ 0.7 GPM Outlet Temp: 104°F	<b>Inlet Temp: 47°F</b> ECO 55 @ 0.7 GPM Outlet Temp: 109°F
<b>Inlet Temp: 52°F</b> ECO 55 @ 0.8 GPM Outlet Temp: 109°F	<b>Inlet Temp: 57°F</b> ECO 55 @ 0.8 GPM Outlet Temp: 114°F	<b>Inlet Temp: 62°F</b> ECO 55 @ 1.0 GPM Outlet Temp: 109°F
<b>Inlet Temp: 67°F</b> ECO 55 @ 1.2 GPM Outlet Temp: 109°F	<b>Inlet Temp: 72°F</b> ECO 55 @ 1.2 GPM Outlet Temp: 114°F	<b>Inlet Temp: 77°F</b> ECO 55 @ 1.5 GPM Outlet Temp: 110 °F

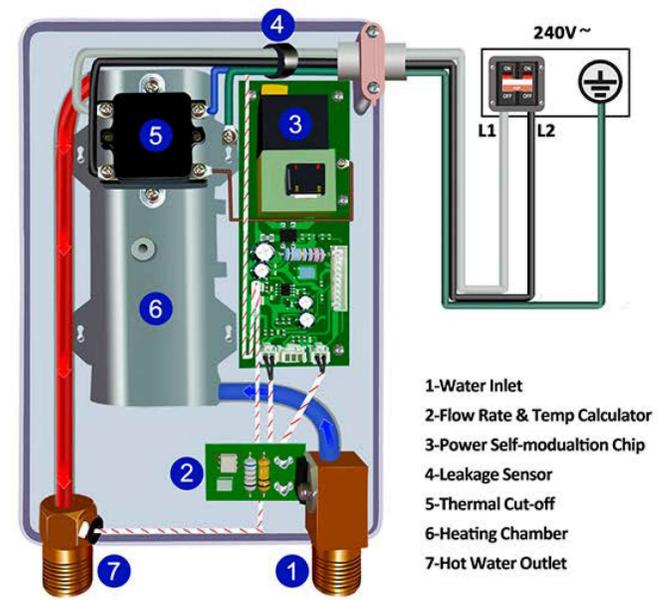
Check the chart to figure out the flow rate suggested for your area and the corresponding outlet water temp to see if it meets your need. For example, if inlet water in your area is 67°F, you are able to get 1.2GPM hot water @ 109°F, if you set temp lower, you are able to get more than 1.5GPM correspondingly.

**Technical Parameter**

TABLE 1-ELECTRICAL LOADING TABLE

Model	ECO55W/B	
Voltage	240V~	
Power	5.5kW	
Min. Required Circuit Breaker Size	1x30 AMP	
Max. Amperage	23A	
Recommended Wire Size	10 AWG	
Min. Water Flow to Activate the Unit	0.475 GPM/ 1.8L/min	
Safe Operating Pressure	2.9 PSI - 87.02 PSI	
Water Connections	1/2" NPT	
Installation	Wall mounted	
Temperature Setting	Digital Panel	
Temp. Increase Per GPM	0.8 GPM	57°F
	1.0GPM	47°F
	1.2 GPM	42°F
	1.5 GPM	33°F
Dimensions	11"x7.5"x2.35"	
Weight	5.07 lbs	

The above wire size and circuit breaker size are for this ECO55 5.5kW unit only, if you need other high-power appliances, please do further research for that.



**We do care about pleasant shopping using experience of all valued customers, if you go through anything expected or get any question about it, please feel free to contact us at [ecotouching@outlook.com](mailto:ecotouching@outlook.com), we will do our best to serve and help.**