

MODELS: Eco 8 & 11



Welcome to Ecosmart! Maker of the most efficient electric tankless water heaters on the market. Below please find specifications & sizing considerations to meet your hot water demand needs. **For any questions or special applications please contact our technical / engineering dept. Toll free at: 877-474-6473.**

Maximum Flow Rate Desired:

Consider the maximum flow rate you would like to use at a given time. The average shower temperatures are between 98°F and 105°F. The chart is based on 220V input voltage and maximum flow rates are listed for various incoming water temperatures.

INLET WATER TEMP	40°F	45°F	50°F	55°F	60°F	65°F	70°F	75°F	80°F
ECO 8	.75 GPM	.80 GPM	1.0 GPM	1.2 GPM	1.3 GPM	1.4 GPM	1.5 GPM	2.0 GPM	2.2 GPM
ECO 11	1.3 GPM	1.4 GPM	1.5 GPM	1.7 GPM	1.9 GPM	2.0 GPM	2.3 GPM	2.7 GPM	3.0 GPM

If you typically use about 2.5 gallons per minute (1 shower with water saver showerhead and a sink) at the same time, find the 2.5 GPM on the chart or the number closes to it. If the number is highlighted in **GREEN**, that means it's the correct model for you. If it's highlighted in **YELLOW**, that means you may fall short of your desired output temperature. If the inlet temperature is lower than usual or your flow rate is higher than normal. If it's highlighted in **RED**, you should consider a model with more capacity.

SPECIFICATIONS

MODELS	ECO 8	ECO 11
VOLTS / SINGLE PHASE	220/240	220/240
KW	7.3/8.0	11.8/13.5
ELEMENTS	1	2
AMPERAGE DRAW	37/40	54/57
REQUIRED BREAKER	40 DP	60 DP
REQUIRED WIRE	8 AWG	6 AWG
HZ	50/60	50/60
PIPE FITTINGS	1/2" NPT	1/2" CF
DIMENSIONS	12" x 9.5" x 4"	12" x 9.5" x 4"
WEIGHT LBS	4.75	6
EXCHANGER	STAINLESS/STEEL	STAINLESS/STEEL
PROTECTION	THERMAL AUTO	THERMAL AUTO
ACTIVATION FLOW	0.25	0.25
ENERGY EFFICIENCY	99.8	99.8
CERTIFICATIONS	UL/CSA	UL/CSA
WARRANTY	L/LIFETIME	L/LIFETIME

SPECIFICATIONS: Reflects variable voltage of 220-240. Lower voltage reduces the unit heating capacity.

APPLICATIONS

ECO 8	.80 GPM		2.0 GPM	
ECO 11	1.4 GPM		2.7 GPM	

WINTER INLET WATER 45° F SUMMER INLET WATER 75° F

Illustration above is based on water saver showerheads rated at 1.5 GPM and water saver aerators rated at 1.0 GPM. The number of showerheads/sinks next to each model reflects the units capacity of providing hot water simultaneously with the temperature control set to 105°F.

TEMPERATURE RISE CHART

FLOW RATE GPM	ECO 8 TEMP RISE	ECO 11 TEMP RISE
1.0 GPM	48.9	80.2
1.5 GPM	32.6	53.4
2.0 GPM	24.4	40.1
2.5 GPM	19.5	32.0
3.0 GPM	16.3	26.7

TEMPERATURE RISE CHART: Reflects temperature rise at different flow rates for different models.