

Encore

Encore Smart Electric Water Heater with LeakGuard is engineered for longer life with built-in leak detection and auto water shutoff

SMART TECHNOLOGY

LEAKGUARD™

- Integrated leak detection and prevention system with factory installed auto water shut-off valve limits leaks to no more than 20 ounces of water¹
- LeakSense™ Built-in Leak Detection System detects any leak large or small, internal or external²



- Built-in EcoNet® WiFi technology for temperature control and immediate notification about leaks and service needs from anywhere³
- Know before hot water runs out with the Hot Water Availability Indicator in the EcoNet® app³
- Hands-free voice control with Alexa and Google Nest to easily adjust set temperature⁴
- Element Health Indicator shows exactly which element needs to be replaced and when³

EASY TO INSTALL & SERVICE

- Diagnostic mode gives diagnostic info while at the water heater to expedite service⁵
- Durable brass drain valve helps drain the tank faster to reduce time on the job

EFFICIENCY

- .92 - .93 UEF
- Dual 5500 watt stainless steel heating elements

PERFORMANCE

- FHR: 55 - 72 gallons, based on gallon capacity
- Recovery: 25 GPH at a 90° F rise**
- Self cleaning fights sediment build-up to prolong tank life and maintain efficiency and tank capacity

LONGER LIFE

- Premium grade anode rod provides long-lasting tank protection

FEATURES

- High performance and lower operating cost
- Compliant with many electric utility incentive programs
- Electric junction box located above heating elements for easy installation
- Over-temperature protector cuts off power in excess temperature situations

PLUS...

- Temperature and pressure relief valve included

WARRANTY

- 12-Year limited warranty for tank and parts, 2-year full in-home labor warranty*

*See written warranty for complete details

Units meet or exceed ANSI requirements and have been tested according to D.O.E. procedures. Units meet or exceed the energy efficiency requirements of NAECA, ASHRAE standard 90, ICC Code and all state energy efficiency performance criteria.



*Encore Smart Electric
with LeakGuard™*
40, 50 and 55-Gallon
Capacities
240 Volt AC/Single Phase
Electric



LEED Point = 1

See specifications chart on back.

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Smart Electric with LeakGuard Specifications

TYPE	DESCRIPTION			FEATURES		ROUGHING IN DIMENSIONS (SHOWN IN INCHES)					ENERGY INFO.	
	NOMINAL GALLON CAPACITY	RATED GALLON CAPACITY	MODEL NUMBER	RECOVERY IN G.P.H. 90° F RISE	FIRST HOUR RATING G.P.H.	TANK HEIGHT A	HEIGHT TO OUTLET WATER CONN. B	HEIGHT TO INLET WATER CONN. C	DIAMETER D	APPROX. SHIP WT. (LBS.)	UNIFORM ENERGY FACTOR (UEF)	ESTIMATED YEARLY ENERGY COST
Tall	50	45	12E50-DCS	25	63	58-3/8	61-5/8	63-5/8	20-1/4	123	0.92	\$424
Tall	55	55	12E55-DCS	25	72	57	59-3/4	61-3/4	22-1/4	130	0.92	\$424
Med.	40	36	12EM40-DCS	25	55	48-3/8	50-1/2	52-1/2	20-1/4	108	0.93	\$419
Med.	50	45	12EM50-DCS	25	63	48	50-1/2	52-1/2	22-1/4	129	0.92	\$424

Uniform Energy Factor and rated gallon capacity based on Department of Energy (DOE) requirements.

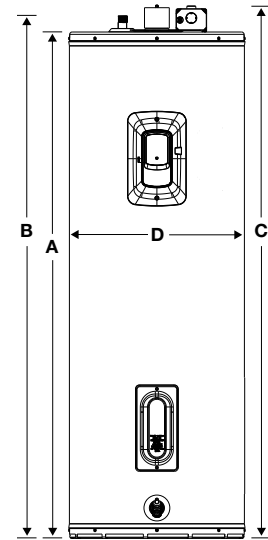
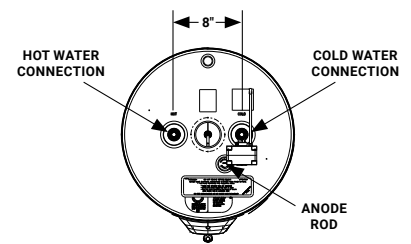
* Heaters furnished with standard 240 volt AC, single phase non-simultaneous wiring, and 5500 watt upper and lower heating elements.

**Recovery = wattage/2.42 x temp. rise °F.
 Example: $\frac{5500W}{2.42 \times 90^\circ} = 25 \text{ GPH}$

**Recovery calculations used are based on 5500 watt elements used in non-simultaneous operation.



LEED Point = 1



¹Source: Richmond Leak-Sensing Data; testing under a vacuum lock using 50-gallon tank, no expansion tank, average tank pressure of 40 psi, assuming no additional faucets are opened. ²Water leaks from the heater only, as tested across scenarios including a minimum of 5.5mL/hr volume leak rate, using most common installation scenarios. ³WiFi broadband connection and EcoNet® App required; connection between water heater and app dependent on external factors beyond Richmond's control. ⁴Amazon Alexa and Google Nest devices sold separately. Amazon, Alexa and all related logos are trademarks of Amazon.com, Inc. or its affiliates. Google is a trademark of Google LLC. ⁵WiFi broadband connection and Richmond Contractor App required; connection between water heater and app dependent on external factors beyond Richmond's control.