Essential with Demand Response High Efficiency electric water heaters are engineered for longer life and connection to utility demand response programs for energy savings

EFFICIENCY

- •.92 .93 UEF
- Dual 3800 or 4500 watt copper heating elements

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PERFORMANCE

- FHR: 51 74 gallons, based on gallon capacity
- Recovery: 17 to 21 GPH at a 90° F rise, depending on model**

LONGER LIFE

• Premium grade anode rod provides long-lasting tank protection

FEATURES

- User friendly interface on unit to easily adjust set temperature
- Error code functionality triggers an audio alert to help prevent potential water heater downtime
- Offers self-diagnostic control systems with LED lights indicating service is needed

- Demand response ready EcoPort (CTA-2045 port) is built in for easy connect to utility demand response programs
- 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

• 6-Year limited warranty for tank and parts, 2 years limited warranty for labor



Essential with Demand Response High Efficiency 40, 50 and 55-Gallon Capacities 240 Volt AC/Single Phase Electric





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Essential Electric with Demand Response High Efficiency Specifications

	DESCRIPTION				FEATURES		ROUGHING IN DIMENSIONS (SHOWN IN INCHES)			
T Y P E	NOMINAL GALLON CAPACITY	RATED GALLON CAPACITY	MODEL NUMBER	FIRST HOUR RATING (GALLONS)	RECOVERY IN G.P.H. 90° F RISE	TANK HEIGHT A	HEIGHT TO WATER CONN. B	DIAMETER C	APPROX. SHIP WT. (LBS.)	UNIFORM ENERGY FACTOR (UEF)
Tall	55	55	6E55-DCG	74	21	57	59-3/4	22-1/4	131	0.92
Tall	50	45	6E50-DCG	63	21	58-1/2	61-3/4	20-1/4	124	0.92
Tall	40	36	6E40-DCG	55	21	60-3/4	63-5/8	18-1/4	108	0.92
Med.	50	45	6EM50-DCG	63	21	48	50-1/2	22-1/4	131	0.92
Med.	40	36	6EM40-DCG	55	21	48-3/8	50-1/4	20-1/4	109	0.93
Short	38	35	6ESB40-DCG	51	21	31-1/2	32-5/8	23	111	0.92
Short	36	33	6ES40-DCG	51	21	31-1/2	33	24-1/4	121	0.92
Short	47	43	6ES50-DCG	54	21	32	34	26-1/4	152	0.92

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 3800 or 4500 watt upper and lower heating elements.

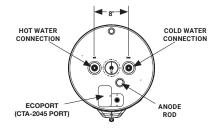
**Recovery = wattage/2.42 x temp. rise °F.

Example:	4500W	= 21 GPH
	2.42 x 90°	

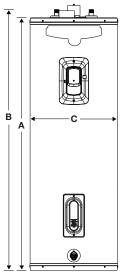
**Recovery calculations used are based on 4500 watt elements used in non-simultaneous operation.



LEED Point = 1



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WATER CONNECTIONS ALL 3/4" N.P.T.



In keeping with its policy of continuous progress and product improvement, Richmond reserves the right to make changes without notice.