

Residential Electric Water Heater With ICON E® Electronic Control

Features

- **Bradford White ICON System®**—The “ICON E®” intelligent electric water heater control optimizes tank temperature accuracy and stability.
 - Intelligent Diagnostics—Exclusive tricolor LED Indicators.
 - Green Flash - Normal Operation.
 - Amber Flash - Fault Detected.
 - Red Flash - High Temperature Detected.
 - StartGuard® Technology—Provides “Dry-Fire” protection of heating elements upon initial startup.
 - CTA-2045 Communication Port—Enables participation in local utility demand response programs. Complies with CTA-2045A.
- **Vitraglas® Lining with Microban®**—An exclusively engineered enamel formula that provides superior tank protection from the corrosive effects of water; and with Microban® antimicrobial product protection to help prevent the growth of bacteria, mold and mildew on the surface of the tank lining.
- **Hydrojet® Total Performance System**—Sediment reducing device that also increases first hour rating of hot water while minimizing temperature build-up in tank.

Additional Details

- **Direct Heat Transfer with Immersed Elements**—Screw-in style.
- **Water Connections**—NPT factory installed true dielectric waterway with heat traps.
- **Protective Anode Rod**—Provides added protection against corrosion for long-term, trouble-free service.
- **T&P Relief Valve**—Installed.
- **Low Restrictive Brass Drain Valve**—Durable tamper proof design.
- **Housing and Urban Development**—These water heaters are designed in accordance with H.U.D. and are approved for installation in a manufactured home (mobile home).



Photo is of ERE250T6


ICON
System


+
MICROBAN®





6 or 10-Year Limited Tank Warranties / 6-Year Limited Warranty on Component Parts.

For more information on warranty, please visit www.bradfordwhite.com

For products installed in USA, Canada, and Puerto Rico. See complete copy of the warranty included with the heater for limitations.

Microban® antimicrobial product protection helps prevent the growth of bacteria, mold and mildew that may affect the product. The built-in antimicrobial properties do not protect users or others from disease-causing organisms. Microban® is a registered trademark of Microban Products Company.

Upright with **ICON E®**
Residential Electric Water Heater

SPECIFICATIONS
Upright

These water heaters meet or exceed all or portions of (where applicable) the minimum efficiency requirements of ASHRAE Standard 90.1 (latest edition). C.E.C. Listed.

Model Number	Rated Nominal Capacity		DOE Rated Storage Volume Gal.	First Hour Rating Gal.	Uniform Energy Factor	Recovery at 90°F Rise*		A Floor to Top of Heater in.	B Jacket Dia. in.	C Floor to Water Conn. in.	D C/L of Water Conn. in.	E Floor to T&P Conn. in.	G Water Conn. NPT in.	Approx. Shipping Weight lbs.
	U.S. Gal.	Imp. Gal.				U.S. GPH	Imp. GPH							
ERE240S6†	40	33	36	48	0.91	21	18	47 3/16	20	49 7/16	8	49 7/16	3/4	123
ERE340S6	40	33	36	49	0.91	21	18	47 3/16	22	49 7/16	8	49 7/16	3/4	114
ERE340T6	40	33	36	53	0.92	21	18	60 3/16	20	62 7/16	8	62 7/16	3/4	125
ERE350S6	50	42	45	60	0.92	21	18	47 3/16	24	49 7/16	8	49 7/16	3/4	144
ERE250S6†	50	42	45	60	0.92	21	18	47 3/16	22	49 7/16	8	49 7/16	3/4	143
ERE250T6	50	42	45	64	0.92	21	18	59	20	60 1/4	8	60 1/4	3/4	130
ERE255T6	55	46	55	75	0.93	21	18	56 15/16	23	58 3/16	8	58 3/16	3/4	142

Model Number	Rated Nominal Capacity	DOE Rated Storage Volume	First Hour Rating	Uniform Energy Factor	Recovery at 50°C Rise*	A Floor to Top of Heater	B Jacket Dia.	C Floor to Water Conn.	D C/L of Water Conn.	E Floor to T&P Conn.	G Water Conn. NPT	Approx. Shipping Weight
	Liters	Liters	Liters		Liters/ Hour	mm.	mm.	mm.	mm.	mm.	mm.	kg.
ERE240S6†	151	136	182	0.91	79	1199	508	1256	203	1256	19	56
ERE340S6	151	136	186	0.91	79	1199	559	1256	203	1256	19	52
ERE340T6	151	136	201	0.92	79	1529	508	1586	203	1586	19	57
ERE350S6	189	170	227	0.92	79	1199	610	1256	203	1256	19	65
ERE250S6†	189	170	227	0.92	79	1199	559	1256	203	1256	19	65
ERE250T6	189	170	242	0.92	79	1499	508	1530	203	1530	19	59
ERE255T6	208	208	284	0.93	79	1446	584	1478	203	1478	19	64

Lowboy

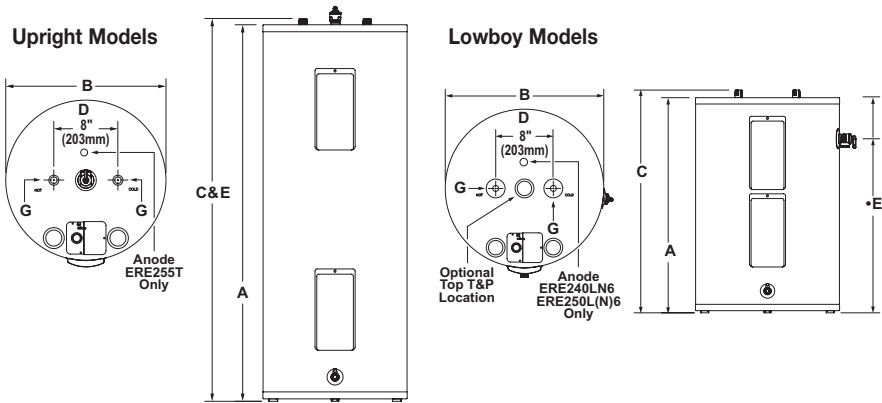
Model Number	Rated Nominal Capacity		DOE Rated Storage Volume Gal.	First Hour Rating Gal.	Uniform Energy Factor	Recovery at 90°F Rise*		A Floor to Top of Heater in.	B Jacket Dia. in.	C Floor to Water Conn. in.	D C/L of Water Conn. in.	E Floor to T&P Conn. in.	G Water Conn. NPT in.	Approx. Shipping Weight lbs.
	U.S. Gal.	Imp. Gal.				U.S. GPH	Imp. GPH							
ERE240LN6	37	31	34	45	0.92	21	18	32 1/16	24 1/2	34 5/16	8	23 9/16 / 34 5/16	3/4	126
ERE240L6†	38	32	35	49	0.91	21	18	32 3/8	24	34 5/8	8	23 9/16 / 34 5/8	3/4	140
ERE250LN6	47	39	43	61	0.92	21	18	33 5/16	26	36 1/16	8	24 5/16 / 36 1/16	3/4	173
ERE250L6†	47	39	43	61	0.94	21	18	33 5/16	26	36 1/16	8	24 5/16 / 36 1/16	3/4	175

Model Number	Rated Nominal Capacity	DOE Rated Storage Volume	First Hour Rating	Uniform Energy Factor	Recovery at 50°C Rise*	A Floor to Top of Heater	B Jacket Dia.	C Floor to Water Conn.	D C/L of Water Conn.	E Floor to T&P Conn.	G Water Conn. NPT	Approx. Shipping Weight
	Liters	Liters	Liters		Liters/ Hour	mm.	mm.	mm.	mm.	mm.	mm.	kg.
ERE240LN6	140	129	171	0.92	80	814	622	872	203	598 / 872	19	57
ERE240L6†	144	132	186	0.91	80	822	610	879	203	598 / 879	19	64
ERE250LN6	178	163	231	0.92	80	846	660	916	203	618 / 916	19	78
ERE250L6†	178	163	231	0.94	80	846	660	916	203	618 / 916	19	79

† Models include supplied insulation blanket (2" thick). Dimensions in charts above do not include blanket thickness.
* Based on 4500W/4500W, Non-Simultaneous operation. Uniform Energy Factor and First Hour Rating is based on the latest AHRI directory listings.

GENERAL:

Meets NAECA Requirements. All models UL® listed. These heaters are wired inter-locking (Non-Simultaneous, Single Phase) 240V with two 4500W elements. All water and electrical connections are 3/4" (19mm) NPT. All models certified at 300 PSI test pressure (2068 kPa) and 150 PSI working pressure (1034 kPa). Complies with CTA-2045A.



Dimensions and specifications subject to change without notice in accordance with our policy of continuous product improvement.



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