

Light Duty Commercial Upright Energy Saver Electric Water Heater



Photo is of
LE250S3-3



Copper Screw Type Immersion Element
(Incoloy type immersion element available upon request)

The Light Duty Upright Electric Models Feature:

- **Fully Automatic Controls**—Fast-acting surface-mount thermostats for automatic temperature control. Factory-installed sensitive manual reset energy cutoff for safety to prevent overheating.
- **Direct Heat Transfer With Immersed Elements**—Transfers heat directly and efficiently to the water. Screw-in style.
- **Factory-Installed Hydrojet® Total Performance System**—Cold water inlet sediment reducing device helps prevent sediment build-up in tank. Increases first hour delivery of hot water while minimizing temperature build-up in tank.
- **Vitraglas® Lining**—Bradford White tanks are lined with an exclusively engineered enamel formula that provides superior tank protection from the highly corrosive effects of hot water. This formula (Vitraglas®) is fused to the steel surface by firing at a temperature of over 1600°F (871°C).
- **2" Non-CFC Foam Insulation**—Covers the sides and top of tank, reducing the amount of heat loss. This results in less energy consumption, improved operation efficiencies, and jacket rigidity.
- **Water Connections**—3/4" NPT factory-installed true dielectric fittings extend water heater life and ease installation (LE2120T has 1" NPT dielectric waterway fittings).
- **Factory-Installed Heat Traps**—Design incorporates a flexible disk that reduces heat loss in piping and eliminates the potential for noise generation (Except LE2120T).
- **Protective Magnesium Anode Rod**—Provides added protection against corrosion for long trouble-free service.
- **Steel Tank**—Heavy gauge steel automatically formed, rolled, and welded.
- **Field Convertible**—Units are shipped from factory Three Phase, Non-Simultaneous (120V and 277V are shipped Single Phase, Non-Simultaneous). All models can be converted to Single Phase and/or Simultaneous operation in the field.
- **Voltages Available**—120V, 208V, 240V, 277V, 480V.
- **T&P Relief Valve Installed**—All models have special tapping on top of tank.



3 or 5-Year Limited Tank Warranties / 1-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. Some states do not allow limitations on warranties. See complete copy of the warranty included with the heater.

MANUFACTURED UNDER ONE OR MORE OF THE FOLLOWING U.S. PATENTS: 5,682,666; 7,634,976; 5,660,165; 5,954,492; 6,056,542; 6,935,280; 5,372,185; 5,485,879; 5,574,822; 7,971,560; 7,992,526; 6,684,821; 6,442,178; 7,334,419; 7,866,168; 7,270,087; 7,007,748; 5,596,952; 6,142,216; 7,699,026; 5,341,770; 7,337,517; 7,665,211; 7,665,210; 7,063,132; 7,063,133; 7,559,293; 7,900,589; 5,943,984; 8,082,888; 5,988,117; 7,621,238; 7,650,859; 5,761,379; 7,409,925; 5,277,171; 8,146,772; 7,458,341; 2,262,174. OTHER U.S. AND FOREIGN PATENT APPLICATIONS PENDING. CURRENT CANADIAN PATENTS: 2,314,845; 2,504,824; 2,108,186; 2,143,031; 2,409,271; 2,548,958; 2,112,515; 2,476,685; 2,239,007; 2,092,105; 2,107,012. Vitraglas® and Hydrojet® are registered trademarks of Bradford White® Corporation.

Commercial Electric Water Heater

Light Duty Upright Energy Saver Models

Meet or exceed ASHRAE 90.1b (current standard) C.E.C. Listed

Model Number	Capacity		Recovery 100°F Rise		A Floor to Heater Top	B Jacket Dia.	C Floor to Water Conn.	D Floor to T&P Conn.	Approx. Shipping Weight
	U.S. Gal.	Imp. Gal.	U.S. GPH*	Imp. GPH*	in.	in.	in.	in.	lbs.
LE230S3-3	30	25	18	15	46 ⁷ / ₈	18	48 ¹ / ₈	47 ⁹ / ₁₆	85
LE240S3-3	40	33	18	15	46 ⁷ / ₈	20	47 ⁷ / ₈	46 ⁷ / ₈	103
LE250S3-3	50	42	18	15	46 ¹ / ₂	22	47 ¹ / ₂	46 ¹ / ₂	130
LE265T3-3	65	54	18	15	59 ¹ / ₄	22	60 ¹ / ₄	59 ¹ / ₄	156
LE280T3-3	80	67	18	15	59 ¹ / ₄	24	60 ¹ / ₄	59 ¹ / ₄	183
LE2120T3-3	119	99	18	15	62 ³ / ₄	28	64 ¹ / ₄	62 ¹ / ₄	305

Model Number	Capacity		Recovery 56°C Rise		A Floor to Heater Top	B Jacket Dia.	C Floor to Water Conn.	D Floor to T&P Conn.	Approx. Shipping Weight
	Liters		Liters/Hour*		mm.	mm.	mm.	mm.	kg.
LE230S3-3	114		68		1191	457	1222	1199	39
LE240S3-3	151		68		1191	508	1216	1191	47
LE250S3-3	189		68		1181	559	1207	1181	59
LE265T3-3	246		68		1505	559	1530	1505	71
LE280T3-3	303		68		1505	610	1530	1505	83
LE2120T3-3	450		68		1594	711	1632	1581	138

Specify wattage and voltage when ordering.

Use chart below for maximum wattages at certain voltages

For 5 year models, change suffix "3" to "5".

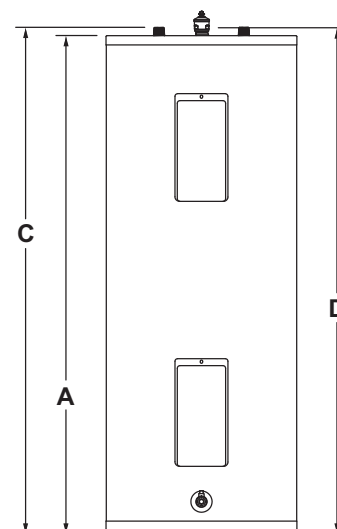
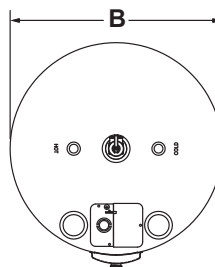
*Based on 4500W/4500W, Non-Simultaneous operation.

NSF Kits available when ordering.

Wattage	Recovery ▲ GPH Temperature Rise °F				
	60	80	90	100	120
1500W	10	8	7	6	5
2000W	14	10	9	8	7
2500W	17	13	11	10	9
3000W	21	15	14	12	10
3500W	24	18	16	14	12
4000W	28	21	18	16	14
4500W	31	23	21	18	15
5000W	34	26	23	21	17
5500W	38	29	25	23	19
6000W	41	31	28	25	21

▲(GPH based on Non-Simultaneous operation, when Simultaneous operation the GPH will approximately double.)

Wattage Limitations for Non-Simultaneous and Simultaneous Operation	Voltage				
	120V	208V	240V	277V	480V
1500W / 1500W	yes	yes	yes	yes	yes
2000W / 2000W	no	yes	yes	yes	yes
2500W / 2500W	no	yes	yes	yes	yes
3000W / 3000W	no	yes	yes	yes	yes
3500W / 3500W	no	yes	yes	no	no
4000W / 4000W	no	yes	yes	yes	yes
4500W / 4500W	no	yes	yes	yes	yes
5000W / 5000W	no	yes	yes	yes	yes
5500W / 5500W	no	no	yes	no	no
6000W / 6000W	no	no	no	yes	yes



General:

All models are exempt from NAECA requirements.

All models ETL listed. These heaters are wired inter-locking (Non-Simultaneous, Three Phase) 240V with two 4500W elements, unless otherwise specified.

All water and electrical connections are 3/4" NPT (19mm), 120 gallon model has 1" NPT (25mm).

All models certified at 300 psi test pressure (2068 kPa) and 150 psi working pressure (1034 kPa.)

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



For U.S. and Canada field service, contact your professional installer or local Bradford White sales representative.

Sales 800-523-2931 • Fax 215-641-1670 / Technical Support 800-334-3393 • Fax 269-795-1089 • Warranty 800-531-2111 • Fax 269-795-1089

International: Telephone 215-641-9400 • Telefax 215-641-9750 / www.bradfordwhite.com

BRADFORD WHITE-CANADA INC. Sales / Technical Support 866-690-0961 / 905-238-0100 • Fax 905-238-0105 / www.bradfordwhite.com

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