

ElectriFLEX LD™ (Light Duty) Commercial Utility Electric Water Heater



Photo is of
LE112T3-1

Bradford White ElectriFLEX LD™ Utility Electric Models Feature:

- **Fully Automatic Controls**—Fast-acting surface-mount thermostat for automatic temperature control. Factory-installed sensitive manual reset energy cut-off for safety to prevent overheating.
- **Direct Heat Transfer With a Single Immersed Element**—Transfers heat directly and efficiently to the water. Screw-in style element.
- **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).
- **1" 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-supplied true dielectric fittings extend water heater life. Located on the side for easier installation (Fittings packaged separately inside carton).
- **Alternate Top Water Connections**—The 6 and 12 gallon models have alternate 3/4" water connection tapings on top.
- **Protective Magnesium Anode Rod**—Provides added protection against corrosion for long trouble-free service.
- **Steel Tank**—Heavy gauge steel automatically formed, rolled, and welded.
- **Voltages Available**—120V, 208V, 240V, 277V, 480V.
- **Single Phase Operation Only.**
- **Field Conversion Kits**—Change voltage, and kW in the field (see options on following page).
- **T&P Relief Valve**—Installed.



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



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® is a registered trademark of Bradford White® Corporation.

Commercial Electric Water Heater

ElectriFLEX LD™ Utility Electric Models

C.E.C. Listed

Model Number	Capacity		Recovery 100°F Rise		A Floor to Heater Top	B Jacket Dia.	C Floor to Hot Water Conn.	D Floor to T&P Conn.	E Floor to Cold Water Conn.	F Floor to Anode Rod	Approx. Shipping Weight lbs.
	U.S. Gal.	Imp. Gal.	U.S.* GPH	Imp.* GPH	in.	in.	in.	in.	in.		
LE16U3-1†	6	5	6	5	16½	14	10⅞	10⅞	3⅞	16½	33
LE110U3-1	10	8	6	5	17½	16	15	14	5⅞	9⅞	48
LE112T3-1†	12	10	6	5	27¾	14	21⅞	21⅞	3	27¾	48
LE115U3-1	15	13	6	5	20¼	18	17¾	16¾	6⅞	10⅞	55
LE120U3-1	19	16	6	5	24¾	18	18¼	18¼	3	10¼	59

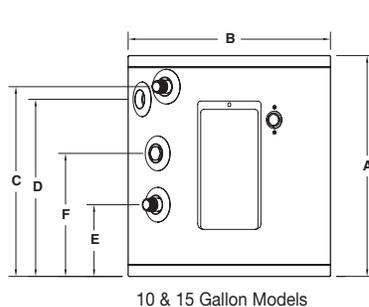
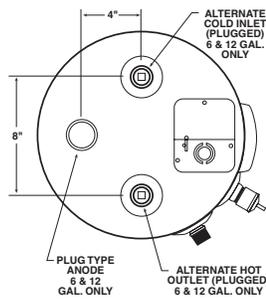
Model Number	Capacity		Recovery 56°C Rise		A Floor to Heater Top	B Jacket Dia.	C Floor to Hot Water Conn.	D Floor to T&P Conn.	E Floor to Cold Water Conn.	F Floor to Anode Rod	Approx. Shipping Weight kg.
	Liters	Liters	Liters*/ Hour	Liters*/ Hour	mm.	mm.	mm.	mm.	mm.		
LE16U3-1†	23	23	23	23	419	356	257	257	79	419	15
LE110U3-1	38	23	445	406	445	406	381	355	144	246	22
LE112T3-1†	45	23	705	356	705	356	537	537	76	705	22
LE115U3-1	57	23	514	457	514	457	451	425	156	257	25
LE120U3-1	72	23	629	457	629	457	464	464	76	260	27

Specify wattage and voltage when ordering. Use chart to right for maximum wattages at certain voltages.

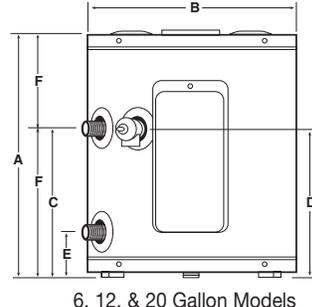
†Maximum wattage at any voltage is 3000W. For 5 year models, change suffix "3" to "5".

Single element only. *Based on 1500W 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	19	15
5000W	34	26	23	21	17
5500W	38	29	25	23	19
6000W	41	31	28	25	21



10 & 15 Gallon Models



6, 12, & 20 Gallon Models

Voltage and Wattage Conversion Kits

Single Element Wattage	Voltage					
	120V	208V	240V	277V	380V	480V
1500W	265-46409-01	265-46409-05	265-46409-13	265-46409-16	265-46409-24	265-46409-32
2000W	265-46409-02*	265-46409-06	265-46409-05	265-46409-17	265-46409-43	265-46409-33
2500W	265-46409-03*	265-46409-07	265-46409-06	265-46409-18	265-46409-25	265-46409-34
3000W	265-46409-04*	265-46409-08	265-46409-14	265-46409-19	265-46409-26	265-46409-35
3500W	N/A	265-46409-09	265-46409-07	N/A	265-46409-27	N/A
4000W	N/A	265-46409-10	265-46409-08	265-46409-20	265-46409-29	265-46409-36
4500W	N/A	265-46409-11	265-46409-09	265-46409-21	265-46409-30	265-46409-37
5000W	N/A	265-46409-12	265-46409-15	265-46409-22	265-46409-31	265-46409-38
5500W	N/A	265-46409-46*	265-46409-10	265-46409-40**	265-46409-44	265-46409-42**
6000W	N/A	265-46409-47*	265-46409-48*	265-46409-23	265-46409-45	265-46409-39

Wattage Limitations	Voltage				
	120V	208V	240V	277V	480V
1500W	yes	yes	yes	yes	yes
2000W	yes	yes	yes	yes	yes
2500W	yes	yes	yes	yes	yes
3000W	yes	yes	yes	yes	yes
3500W	no	yes	yes	no	no
4000W	no	yes	yes	yes	yes
4500W	no	yes	yes	yes	yes
5000W	no	yes	yes	yes	yes
5500W	no	yes	yes	no	no
6000W	no	yes	yes	yes	yes

Note: Above chart can be used to determine maximum wattage at certain voltages. **INCOLOY® element only. * 265-46409-02, -03, -04, -46, -47, & -48 contain only one element. These kits cannot be wired as simultaneous. These are non-simultaneous kits only. Except where noted above, each kit will include two replacement elements, two gaskets, a rating plate overlay and one set of instructions. For water heaters with only one element, please retain the extra element and gasket as a service part.

General:

All models are exempt from NAECA requirements and ASHRAE Standard 90.1b. All models ETL listed. These heaters are wired Single Phase, 120V with one 1500W element, unless otherwise specified. 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). Applicable models CSA verified for energy performance in accordance with C191.1-M90.

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

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