

ElectriFLEX LD™ (Light-Duty) Commercial Lowboy Electric Water Heater



Photo is of
LE230LN3-3



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

Bradford White ElectriFLEX LD™ Lowboy Electric Models Feature:

- **Applications**—Lowboy models are ideal for installations where space is minimal and are perfect for tight installations such as a closet or under a counter.
- **Fully Automatic Thermostat Controls**—Fast acting surface-mount thermostats with a maximum setpoint of 175°F and a high limit energy cut-off (manual reset) for safety.
- **Direct Heat Transfer With Immersed Elements**—Transfers heat directly and efficiently to the water. Screw-in style.
- **Factory-Installed Hydrojet® Total Performance System**—Sediment build-up reducing device that also increases first hour rating of hot water while minimizing temperature build-up in tank.
- **Vitraglas® Lining**—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).
- **Insulation System**—2" (51mm) Non-CFC foam insulation covers the sides and top of the tank, reducing heat loss. This results in less energy consumption, improved efficiencies, and jacket rigidity.
- **Water Connections**—3/4" (19mm) NPT factory-installed true dielectric fittings extend water heater life and simplify water line connections.
- **Factory-Installed Heat Traps**—Design incorporates a flexible disk that reduces heat loss in piping and eliminates the potential for noise generation.
- **Protective Magnesium Anode Rod**—Provides added protection against corrosion for long-term, trouble-free service.
- **Steel Tank**—Heavy gauge steel automatically formed, rolled, and welded.
- **Field Convertible**—Units are shipped from factory standard Three Phase, Non-Simultaneous and can be converted to Single Phase and/or Simultaneous operation in the field.
- **Field Conversion Kits**—Change voltage and kW in the field (see options on following page).
- **T&P Relief Valve Installed**—Side T&P is standard. Optional top T&P location is available and must be specified when ordering.



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; 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

ElectriFLEX LD™ Lowboy Electric Models

Model Number	Nominal Gal. Capacity		Recovery at 100°F Rise*		A Floor to Top of Heater	B Jacket Dia.	C Floor to Water Conn.	F Floor to T&P Conn.††	J C/L of Water Conn.	M Water Conn. NPT	Approx. Shipping Weight
	U.S. Gal.	Imp. Gal.	U.S. GPH	Imp. GPH	in.	in.	in.	in.	in.	in.	lbs.
LE230LN3-3	27	22	18	15	29 ⁹ / ₁₆	23	30 ⁵ / ₈	23 ¹¹ / ₁₆ / 29 ⁹ / ₁₆	8	¾	86
LE240LN3-3	35	29	18	15	32 ³ / ₁₆	24 ¹ / ₂	33 ²⁹ / ₃₂	23 ²⁹ / ₃₂ / 32 ³ / ₁₆	8	¾	115
LE250L3-3	45	37	18	15	33 ⁷ / ₁₆	26	34 ²⁷ / ₃₂	24 ¹⁵ / ₃₂ / 33 ⁷ / ₁₆	8	¾	140

Model Number	Nominal Liter Capacity		Recovery at 56°C Rise*		A Floor to Top of Heater	B Jacket Dia.	C Floor to Water Conn.	F Floor to T&P Conn. ††	J C/L of Water Conn.	M Water Conn. NPT	Approx. Shipping Weight
			Liters/Hour		mm.	mm.	mm.	mm.	mm.	mm.	kg.
LE230LN3-3	102		68		751	584	778	602 / 751	203	19	39
LE240LN3-3	132		68		818	622	861	602 / 818	203	19	52
LE250L3-3	170		68		849	660	885	622 / 849	203	19	64

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.

†† All models feature side or top T&P location and must specify when ordering. "F" dimension listed as side/top.

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	yes	•yes	no	no
6000W / 6000W	no	no	yes	•yes	•yes

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

Wattage	Recovery ▲ LPH Temperature Rise °C				
	34	45	50	56	67
1500W	38	30	26	23	19
2000W	53	38	34	30	26
2500W	64	49	42	38	34
3000W	79	57	53	45	38
3500W	91	68	61	53	45
4000W	106	79	68	61	53
4500W	117	87	79	72	57
5000W	129	98	87	79	64
5500W	144	110	95	87	72
6000W	155	117	106	95	79

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

Voltage and Wattage Conversion Kits

Simultaneous and Non-Simultaneous Wattage	Voltage					
	120V	208V	240V	277V	380V	480V
1500W / 1500W	415-46409-01	415-46409-05	415-46409-13	415-46409-16	415-46409-24	415-46409-32
2000W / 2000W	N/A	415-46409-06	415-46409-05	415-46409-17	415-46409-43	415-46409-33
2500W / 2500W	N/A	415-46409-07	415-46409-06	415-46409-18	415-46409-25	415-46409-34
3000W / 3000W	N/A	415-46409-08	415-46409-14	415-46409-19	415-46409-26	415-46409-35
3500W / 3500W	N/A	415-46409-09	415-46409-07	N/A	415-46409-54	N/A
4000W / 4000W	N/A	415-46409-49	415-46409-08	415-46409-20	415-46409-56	415-46409-36
4500W / 4500W	N/A	415-46409-11	415-46409-09	•415-46409-51	415-46409-57	•415-46409-59
5000W / 5000W	N/A	•415-46409-50	415-46409-15	•415-46409-52	415-46409-58	•415-46409-38
5500W / 5500W	N/A	415-46409-67	•415-46409-49	415-46409-61**	415-46409-63	415-46409-62**
6000W / 6000W	N/A	415-46409-66*	415-46409-68	•415-46409-53	415-46409-64	•415-46409-60

Note: Above chart can be used to determine maximum wattage at certain voltages.

• Cannot be ordered with LE230LN3-3.

* 415-46409-66 contains only one element.

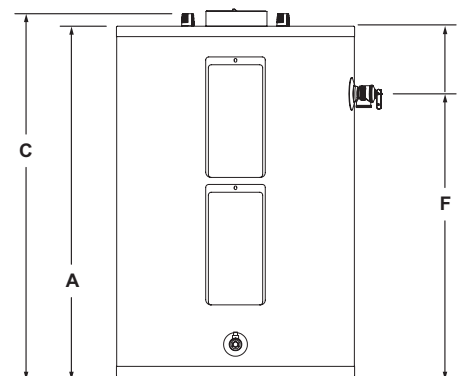
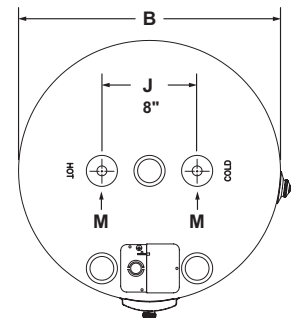
** INCOLOY® element only.

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 ETL listed. These heaters are wired inter-locking (Non-Simultaneous, Three Phase) 240V with two 4500W elements, unless otherwise specified. All water connections are ¾" NPT (19mm). All electrical connections are ¾" (19mm). 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.



Customer Service / Sales: 1-866-690-0961 / 905-203-0600
24/7 Technical Support: 800-334-3393 ■ Email techserv@bradfordwhite.com

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