

ElectriFLEX™ LD Lowboy

Commercial Electric Water Heater

Features

- **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 build-up reducing device that also increases first hour rating of hot water while minimizing temperature build-up in tank.

Additional Details

- **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 (79°C) 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.
- **Insulation System**—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**—NPT factory-installed dielectric waterway with heat traps.
- **Factory-Installed Heat Traps**—Design incorporates a flexible disk that reduces heat loss in piping and eliminates the potential for noise generation.
- **Protective 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.
- **UL Approved 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.
- **NSF 5 Kits Available**



Photo is of LE230LN3-3



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. 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.

C1411-1025-CANADA

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SPECIFICATIONS

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

Model Number	Rated Nominal 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	37	31	18	15	32 ³ / ₁₆	24 ½	33 ²⁹ / ₃₂	23 ²⁹ / ₃₂ / 32 ³ / ₁₆	8	¾	115
LE250LN3-3	45	37	18	15	33 ⁷ / ₁₆	26	34 ²⁷ / ₃₂	24 ¹⁵ / ₃₂ / 33 ⁷ / ₁₆	8	¾	140
Model Number	Rated Nominal 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		Liters/Hour		mm.	mm.	mm.	mm.	mm.	mm.	kg.
LE230LN3-3	102		68		751	584	778	602 / 751	203	19	39
LE240LN3-3	140		68		818	622	861	602 / 818	203	19	52
LE250LN3-3	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						Wattage	Recovery ▲ LPH Temperature Rise °C					
	60	80	90	100	120			34	45	50	56	67	
1500W	10	8	7	6	5		1500W	38	30	26	23	19	
2000W	14	10	9	8	7		2000W	53	38	34	30	26	
2500W	17	13	11	10	9		2500W	64	49	42	38	34	
3000W	21	15	14	12	10		3000W	79	57	53	45	38	
3500W	24	18	16	14	12		3500W	91	68	61	53	45	
4000W	28	21	18	16	14		4000W	106	79	68	61	53	
4500W	31	23	21	19	15		4500W	117	87	79	72	57	
5000W	34	26	23	21	17		5000W	129	98	87	79	64	
5500W	38	29	25	23	19		5500W	144	110	95	87	72	
6000W	41	31	28	25	21		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 UL® 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 models certified at 300 PSI test pressure (2068 kPa) and 150 PSI working pressure (1034 kPa.)

SAMPLE SPECIFICATION:

Water heater shall be a Bradford White model with a rated storage capacity of not less than _____ gallons/liters, a minimum kW input of _____, and a minimum recovery of _____ GPH/LPH at 100°F (56°C) temperature rise. The tank shall be lined with Vitraglas® vitreous enamel with Microban® antimicrobial technology. The tank should consist of two screw type elements with a combined maximum input of ≤ 12 kW. The tank shall have one anode rod. The units should be design certified by UL® for field conversions with specific kits available from the factory. The heater shall be insulated with not less than 2" (51mm) of Non-CFC foam. This water heater shall be equipped with an ASME rated T&P relief valve. The entire installation shall be made in compliance with state and local codes and ordinances.

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



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