

Light Duty Commercial Lowboy Energy Saver Electric Water Heater



Photo is of
LD-20L3-3



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

The Light Duty Lowboy Electric Models Feature:

- **Applications**—Standing at a height of less than 34", Lowboy models are ideal for installations where space is at a premium and are perfect for tight installations such as a closet or under a counter.
- **Fully Automatic Controls**—Fast acting surface-mount thermostats for automatic temperature control. Factory installed sensitive manual reset energy cut-off for safety to prevent overheating. (Maximum thermostat setting is 160°F.)
- **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).
- **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 installed true dielectric fittings extend water heater life and eases installation.
- **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 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 Included**—Side T&P is standard. Optional top T&P location is available and must be specified when ordering.
- **Low Restriction Brass Drain Valve**—Durable tamper proof design.



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 Lowboy Energy Saver Models

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

Model Number	Capacity		First Hour Rating** Gal.	Recovery 100°F Rise		A Floor to Heater Top in.	B Jacket Dia. in.	C Floor to Water Conn. in.	D Floor to T&P Conn. in.	E Floor to Electrical Access in.	Approx. Shipping Weight lbs.
	U.S. Gal.	Imp. Gal.		U.S. GPH*	Imp. GPH*						
LD-20L3-3	19	16	—	18	15	24¾	18	26	19¼ / 24⅞	29⅞	58
LD-30L3-3	30	25	47	18	15	29¾	20	31	24 / 29⅞	31¼	86
LD-40L3-3	40	33	58	18	15	31¼	22	32⅞	24⅞ / 31¾	32½	115
LD-50L3-3	47	33	67	18	15	31¾	24	33⅞	24⅞ / 31¾	33	140

Model Number	Capacity		First Hour Rating** Liters	Recovery 56°C Rise Liters/Hour*	A Floor to Heater Top mm.	B Jacket Dia. mm.	C Floor to Water Conn. mm.	D Floor to T&P Conn. mm.	E Floor to Electrical Access mm.	Approx. Shipping Weight kg.
	Liters									
LD-20L3-3	72	—	—	68	629	457	660	489 / 632	740	26
LD-30L3-3	114	178	178	68	756	508	787	610 / 746	794	39
LD-40L3-3	151	220	220	68	794	559	835	613 / 806	826	52
LD-50L3-3	178	254	254	68	794	610	841	613 / 806	839	63

Specify wattage and voltage when ordering.

Use chart to right for maximum wattages at certain voltages.

All Models include supplied insulation jacket.

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

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

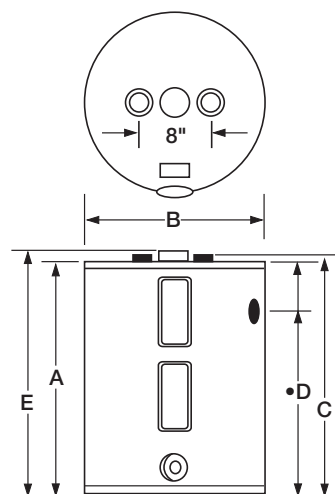
**First Hour Rating is based on the latest AHRI Directory listings.

NSF Construction not available.

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



• "D" dimension listed as side/top.

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 3/4" NPT (19mm). All electrical connections are 3/4" (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.



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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