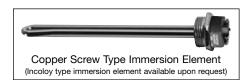


## **Residential Lowboy Energy Saver Electric Water Heater**

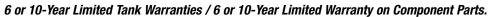


Photo is of M-1-20L6DS



## The Lowboy Electric Models Feature:

- **DOE**—All residential storage models above 20 gallon capacity meet or exceed efficiency requirements of the Department of Energy, ASHRAE Standard 90.1 b (current standard) and the National Appliance Energy Conservation Act of 1987 recent amendment effective January 20, 2004 which supercedes all state and local efficiency requirements.
- 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.
- Direct Heat Transfer With Immersed Elements—Transfers heat directly and efficiently to the water. Screw-in style.
- Factory Installed Hydrojet<sup>®</sup> 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<sup>®</sup> Lining—Bradford White tanks are lined with an exclusively engineered formula that provides superior protection from the highly corrosive effects of hot water. This formula (Vitraglas<sup>®</sup>) is fused to the steel surface by firing at a temperature of over 1600° F.
- 2" Non-CFC Foam Insulation—Covers the sides and top of the 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.
- Simultaneous and Non-Simultaneous Operation Available— Simultaneous operation indicates when both elements (if equipped) are being heated at the same time. Non-Simultaneous operation indicates when one element is being heated at a time.
- Voltages Available—120V, 208V, 240V, 277V, 480V.
- Single Phase or Three Phase Operation Available—277V may only be wired for single phase operation.
- **T&P Relief Valve Included**—Side T&P is standard. Optional top T&P location is available.
- Low Restriction Brass Drain Valve—Durable tamper proof design.
- Design evaluated by UL in accordance with Part 280.707(d) of HUD Mobile Home Construction and Safety Standards for Energy Efficiency.





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: 5,954,492; 5,761,379; 5,943,984; 5,081,696; 5,988,117; 6,142,216; 5,199,385; 5,574,822; 5,372,185; 5,485,879; 5,277,171; (81)5,341,770; 5,660,165; 5,596,952; 5,682,666; 4,904,428; 5,023,031; 5,000,893; 4,669,448; 4,829,983; 4,808,356; 5,115,767; 5,092,519; 5,052,346; 4,416,222; 4,628,184; 4,861,968; 4,672,919; Re. 34,534; 7,270,087 B2. OTHER U.S. AND FOREIGN PATENT APPLICATIONS PENDING. CURRENT CANADIAN PATENTS: 1,272,914; 1,280,043; 1,289,832; 2,045,862; 2,112,515; 2,108,186; 2,107,012; 2,092,105; 2,409,271. Vitraglas<sup>®</sup> and Hydrojet<sup>®</sup> are registered trademarks of Bradford White<sup>®</sup> Corporation.

Model Number	Capacity	Recovery 90°F Rise	A Floor to Heater Top	B Jacket Dia.	C Floor to Water Conn.	D Floor to T&P Conn.	Approx. Shippin Weight
	U.S. Imp. Gal. Gal.	U.S. Imp. GPH* GPH*	in.	in.	in.	in.	lbs.
M-1-20L6DS†	19 16	21 17	247/8	18	257/8	191/4 / 247/8	58
M-1-30L6DS**	30 25	21 17	30	20	305/8	24 / 293/8	86
M-2-30L6DS	30 25	21 17	30	22	31	241/8/311/4	96
M-1-40L6DS**	40 33	21 17	311/4	22	327/8	241/8/313/4	115
M-2-40L6DS	40 33	21 17	321/8	24	331/8	241/8/333/8	121
M-1-50L6DS**	47 39	21 17	313/4	24	331/8	241/8/313/4	140
M-2-50L6DS	47 39	21 17	321/8	26	331/8	241/8/333/8	143
Model Number	Capacity	Recovery 50°C Rise	A Floor to Heater Top	B Jacket Dia.	C Floor to Water Conn.	D Floor to T&P Conn.	Approx Shippin Weight
	Liters	Liters/ Hour	mm.	mm.	mm.	mm.	kg.
M-1-20L6DS†	72	76	632	457	657	489 / 632	26
M-1-30L6DS**	114	76	762	508	778	610 / 746	39
M-2-30L6DS	114	76	762	559	787	613 / 794	44
M-1-40L6DS**	151	76	794	559	835	613 / 806	52
WI-I-40L6D5		70	816	610	841	613 / 848	55
	151	76	010				
M-1-50L6DS**	151 178	76	794	610	841	613 / 806	64

## Lowhov Energy Saver Models

\*\*Models include supplied insulation jacket.

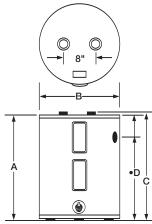
For 10 year models, change suffix "6" to "10".

For single element models change suffix "D" to "S".

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

•Models feature optional top T&P location and must be specified when ordering.

†Exempt from ASHRAE 90.1b (current standard).



•"D" dimension listed as side/top.

	Recovery ▲ GPH Temperature Rise °F								
Wattage	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				

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

Limitations for Simultaneous	Voltage								
Operation	120V	208\	2	40V	10V 277V		480V		
1500W / 1500W	yes	yes	1	yes		yes		yes	
2000W / 2000W	no	yes	1	yes		yes		yes	
2500W / 2500W	no	yes	1	yes		yes		yes	
3000W / 3000W	no	yes	1	yes		yes		yes	
3500W / 3500W	no	yes	1	yes		no		no	
4000W / 4000W	no	yes	1	yes		yes		yes	
4500W / 4500W	no	yes	1	yes	J	yes		yes	
5000W / 5000W	no	yes	1	yes	J	yes		yes	
5500W / 5500W	no	no	1	yes	1	no		no	
6000W / 6000W	no	no	o no		yes		yes		
Wattage Limitations for Non-Simultaneou	sVoltage								
Operation	12	)V 20	BV	240	V	277	V	480V	
1500W / 1500W	ye	s ye	S	s yes		yes		yes	
2000W / 2000W	ye	yes yes		s yes		yes		yes	
2500W / 2500W	ye	s ye	S	yes		yes		yes	
3000W / 3000W	ye	s ye	S	s ye		yes		yes	
3500W / 3500W	n	) ye	S	yes	S	no		no	
4000W / 4000W	n	) ye	S	yes	S	yes	3	yes	
4500W / 4500W	no	o ye	S	yes	S	yes	3	yes	
5000W / 5000W	n	) ye	s	yes	s	yes	3	yes	

no ves ves ves

no yes yes no no

ves

Wattage

5500W / 5500W

6000W / 6000W

CEC Linted

General

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

All water and 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

## Built to be the Best<sup>™</sup>

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