

## Residential Upright Electric Water Heater

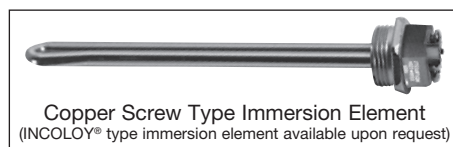
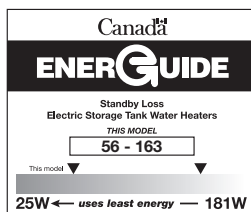


Photo is of  
M-2-50T6DS

### The Upright Electric Models Feature:

- **Fully Automatic Controls**—Fast acting surface-mount thermostat with 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 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 (Except M-2-120R).
- **Protective Magnesium Anode Rod**—Provides added protection against corrosion for long-term, 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. All models have special tapping on top of tank.
- **Low Restrictive Brass Drain Valve**—Durable tamper proof design.
- **Design evaluated by ETL in accordance with Part 280.707(d) of HUD Mobile Home Construction and Safety Standards for Energy Efficiency.**

### FEATURING:



### 6 or 10-Year Limited Tank Warranties / 6 or 10-Year Limited Warranty on Component Parts.

For more information on warranty, please visit [www.bradfordwhite.com](http://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.

# Residential Upright Electric Water Heater

## Upright Models

Model Number	Nominal Gal. Capacity		Standby Loss (Watts)	First Hour Rating (Gal.)	Recovery 90°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.	Approx. Shipping Weight lbs.
	U.S. Gal.	Imp. Gal.			U.S. GPH	Imp. GPH					
M-2-30R6DS ⓧ	30	25	56	50	21	18	46 <sup>7</sup> / <sub>8</sub>	18	48 <sup>1</sup> / <sub>8</sub>	47 <sup>3</sup> / <sub>16</sub>	85
M-2-40S6DS ⓧ	40	33	63	56	21	18	46 <sup>7</sup> / <sub>8</sub>	20	47 <sup>7</sup> / <sub>8</sub>	46 <sup>7</sup> / <sub>8</sub>	103
M-2-40T6DS ⓧ	40	33	63	56	21	18	59 <sup>3</sup> / <sub>4</sub>	18	60 <sup>3</sup> / <sub>4</sub>	59 <sup>3</sup> / <sub>4</sub>	110
M-2-50S6DS ⓧ†	50	42	70	67	21	18	46 <sup>1</sup> / <sub>2</sub>	22	47 <sup>1</sup> / <sub>2</sub>	46 <sup>1</sup> / <sub>2</sub>	130
M-2-50T6DS ⓧ	50	42	70	67	21	18	57 <sup>1</sup> / <sub>2</sub>	20	58 <sup>1</sup> / <sub>2</sub>	57 <sup>1</sup> / <sub>2</sub>	123
M-2-65R6DS ⓧ	65	54	81	77	21	18	59 <sup>1</sup> / <sub>4</sub>	22	60 <sup>1</sup> / <sub>4</sub>	59 <sup>1</sup> / <sub>4</sub>	156
M-2-80R6DS ⓧ	80	67	97	92	21	18	59 <sup>1</sup> / <sub>4</sub>	24	60 <sup>1</sup> / <sub>4</sub>	59 <sup>1</sup> / <sub>4</sub>	183
M-2-120R6DS ⓧ	119	99	163	N/A	21	18	62 <sup>3</sup> / <sub>4</sub>	28	64 <sup>1</sup> / <sub>4</sub>	62 <sup>1</sup> / <sub>4</sub>	305

Model Number	Nominal Liter Capacity		Standby Loss (Watts)	First Hour Rating (Liters)	Recovery 50°C Rise*		A Floor to Heater Top mm.	B Jacket Dia. mm.	C Floor to Water Conn. mm.	D Floor to T&P Conn. mm.	Approx. Shipping Weight kg.
	U.S. Gal.	Imp. Gal.			Liters/Hour	Liters/Hour					
M-2-30R6DS ⓧ	114	86	56	189	79	79	1191	457	1222	1199	39
M-2-40S6DS ⓧ	151	112	63	212	79	79	1191	508	1216	1191	47
M-2-40T6DS ⓧ	151	112	63	212	79	79	1518	457	1543	1518	50
M-2-50S6DS ⓧ†	189	142	70	254	79	79	1181	559	1207	1181	59
M-2-50T6DS ⓧ	189	142	70	254	79	79	1461	508	1486	1461	56
M-2-65R6DS ⓧ	246	185	81	291	79	79	1505	559	1530	1505	71
M-2-80R6DS ⓧ	303	228	97	348	79	79	1505	610	1530	1505	83
M-2-120R6DS ⓧ	450	338	163	N/A	79	79	1594	711	1632	1581	138

ⓧ 265-52904-00 must be ordered with model to meet British Columbia efficiency requirements.

† Available with optional hand hole cleanout.

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

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

(M-2-120 not available as a single element model).

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

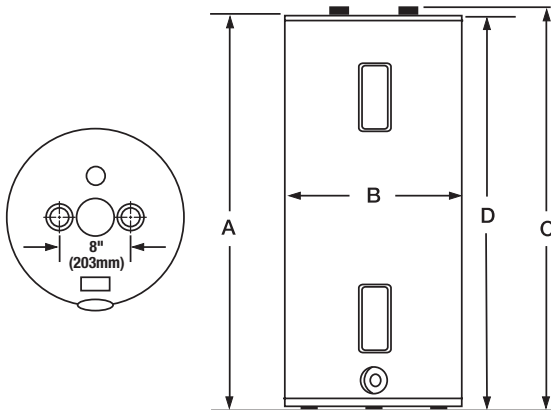
Wattage	Recovery ▲ GPH Temperature Rise °F				
	60	80	90	100	120
1500W	10	8	7	6	5
2000W	14	10	9	8	7
2500W	17	13	11	10	9
3000W	21	15	14	12	10
3500W	24	18	16	14	12
4000W	28	21	18	16	14
4500W	31	23	21	19	15
5000W	34	26	23	21	17
5500W	38	29	25	23	19
6000W	41	31	28	25	21

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

Wattage Limitations for 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

Wattage Limitations for Non-Simultaneous Operation	Voltage				
	120V	208V	240V	277V	480V
1500W / 1500W	yes	yes	yes	yes	yes
2000W / 2000W	yes	yes	yes	yes	yes
2500W / 2500W	yes	yes	yes	yes	yes
3000W / 3000W	yes	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	yes	yes	yes	yes

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



### General

All models ETL 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" NPT (19mm), 120 gallon model has 1"(25mm) NPT. 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 field service, contact your professional installer or local Bradford White sales representative.  
Sales / Technical Support 1-866-690-0961 / 905-203-0600  
Fax 905-636-0666 / Email [bwccotech@bradfordwhite.com](mailto:bwccotech@bradfordwhite.com) / [www.bradfordwhite.com](http://www.bradfordwhite.com)

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