

Electric Upright Water Heater



Photo is of
M-I-65R6DS

The Electric Upright Models feature:



Bradford White is ISO registered to the 9001-2008 standard.

- **UL-174 and IEC Certified.**
- **Factory Installed Hydrojet[®] Total Performance System**—Sediment reducing device that also increases first hour delivery 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).
- **Direct Heat Transfer With Immersed Elements**—Transfers heat directly and efficiently to the water. Screw-in style.
- **Fully Automatic Thermostat Controls**—Fast acting surface-mount thermostat with high limit energy cut-off (manual reset) for safety.
- **Non-Simultaneous and Simultaneous Operation Available**— Non-Simultaneous operation (standard) indicates one element at a time is operating. Simultaneous operation indicates both elements (if equipped) may operate at the same time.
- **Single Phase or Three Phase Operation Available**—277V may only be wired for single phase operation.
- **Protective Magnesium Anode Rod**—Provides added protection against corrosion for long-term, trouble-free service.
- **Insulation System**—1" (25mm) 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. M-2-80R6DS and M-II-120R has 2" (51mm).
- **Water Connections**— 3/4" (19mm) NPT factory-installed true dielectric fittings extend water heater life and simplify water line connections. M-II-120R has 1" (25mm) NPT dielectric waterway fittings.
- **Steel Tank**—Heavy gauge steel automatically formed, rolled and welded to assure a continuous seam for glass lining.
- **T&P Relief Valve**—Included. All models have special tapping on top of tank.
- **Low Restriction Brass Drain Valve**—Durable tamper proof design.
- **Suitable for residential and light duty commercial applications.**



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



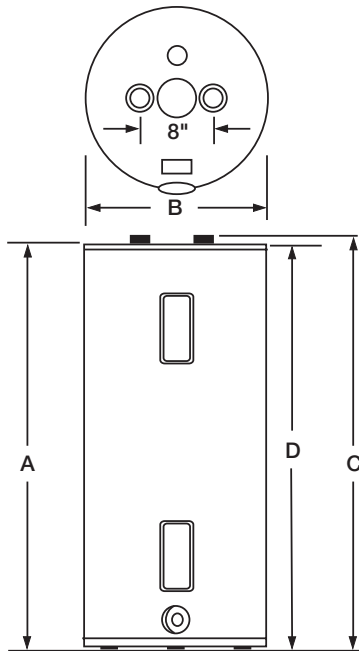
Residential Warranty: 6 or 10 Year Limited Tank Warranty / 1 Year Parts Warranty.
Commercial Warranty: 3 or 5 Year Limited Tank Warranty / 1 Year Parts Warranty.
For more information on warranty, please visit www.bradfordwhite.com

Electric Upright Water Heater

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. Shipping Weight
	U.S. Gal.	Imp. Gal.	U.S. GPH*	Imp. GPH*	in.	in.	in.	in.	lbs.
M-I-30R6DS	30	25	21	18	46 ⁷ / ₈	16	48 ¹ / ₄	47 ³ / ₁₆	80
M-I-40S6DS	40	33	21	18	46 ⁷ / ₈	18	47 ⁷ / ₈	46 ⁷ / ₈	96
M-I-40T6DS	40	33	21	18	59 ³ / ₄	16	60 ³ / ₄	59 ³ / ₄	104
M-I-50S6DS	50	42	21	18	46 ¹ / ₂	20	47 ¹ / ₂	46 ¹ / ₂	119
M-I-50T6DS	50	42	21	18	57 ¹ / ₂	18	58 ¹ / ₂	57 ¹ / ₂	116
M-I-65R6DS	65	54	21	18	59 ¹ / ₄	20	60 ¹ / ₄	59 ¹ / ₄	146
M-2-80R6DS	80	67	21	18	60 ¹ / ₄	24	61 ¹ / ₄	61 ¹¹ / ₁₆	183
M-II-120R6DS	119	99	21	18	62 ³ / ₄	28	64 ¹ / ₄	62 ³ / ₄	305

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. Shipping Weight
	Liters		Liters/Hour	mm.	mm.	mm.	mm.	kg.
M-I-30R6DS	114		78	1191	406	1226	1199	36
M-I-40S6DS	151		78	1191	457	1216	1191	44
M-I-40T6DS	151		78	1518	406	1543	1518	47
M-I-50S6DS	189		78	1181	508	1207	1181	54
M-I-50T6DS	189		78	1461	457	1486	1461	53
M-I-65R6DS	246		78	1505	508	1530	1505	66
M-2-80R6DS	303		78	1530	610	1556	1567	83
M-II-120R6DS	450		78	1594	711	1632	1594	138

NOTE: The Upright Heaters will be wired inter-locking (non-simultaneous) 240 volt with 4500 watt elements unless otherwise specified. Other wattages are available up to 6000 watts non-simultaneous and 12,000 watts simultaneous. For single element models change suffix letter "D" to "S". Suffix letter "S" indicates screw type element. 4500 watt/240 volt elements require a 30 amp breaker.



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

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

Wattage Limitations for Simultaneous Operation	Voltage						
	120V	208V	240V	277V	380V	415V	480V
1500W / 1500W	yes	yes	yes	yes	yes	no	yes
2000W / 2000W	no	yes	yes	yes	yes	yes	yes
2500W / 2500W	no	yes	yes	yes	yes	yes	yes
3000W / 3000W	no	yes	yes	yes	yes	yes	yes
3500W / 3500W	no	yes	yes	no	yes	yes	no
4000W / 4000W	no	yes	yes	yes	yes	yes	yes
4500W / 4500W	no	yes	yes	yes	yes	yes	yes
5000W / 5000W	no	yes	yes	yes	yes	yes	yes
5500W / 5500W	no	no	yes	no	no	yes	no
6000W / 6000W	no	no	no	yes	no	yes	yes

Wattage Limitations for Non-Simultaneous Operation	Voltage						
	120V	208V	240V	277V	380V	415V	480V
1500W / 1500W	yes	yes	yes	yes	yes	no	yes
2000W / 2000W	yes	yes	yes	yes	yes	yes	yes
2500W / 2500W	yes	yes	yes	yes	yes	yes	yes
3000W / 3000W	yes	yes	yes	yes	yes	yes	yes
3500W / 3500W	no	yes	yes	no	yes	yes	no
4000W / 4000W	no	yes	yes	yes	yes	yes	yes
4500W / 4500W	no	yes	yes	yes	yes	yes	yes
5000W / 5000W	no	yes	yes	yes	yes	yes	yes
5500W / 5500W	no	yes	yes	no	no	yes	no
6000W / 6000W	no	yes	yes	yes	no	yes	yes

General

All models ETL listed. All water connections, 3/4" (19mm) NPT, except M-II-120R, 1" (25 mm) NPT. All electrical connections, 3/4" (19mm). All models certified at 300 psi test pressure (2068 kPa), 150 psi working pressure (1034 kPa). Change suffix number "6" to "10" for warranty identification.

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

Suitable for Water (Potable) Heating and Space Heating. Toxic chemicals, such as those used for boiler treatment, shall NEVER be introduced into this system. This unit may NEVER be connected to any existing heating system or component(s) previously used with a non-potable water heating appliance.



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