

## Residential Upright Electric Water Heater

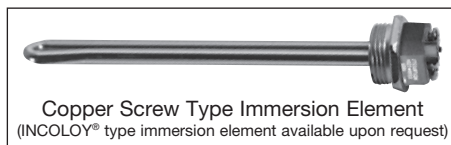
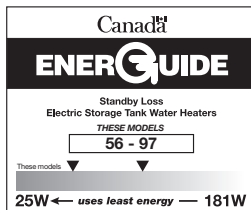


Photo is of  
M-2-50T6DS

### 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.
- **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.

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; 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.

# 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<br>in.   | B Jacket Dia.<br>in. | C Floor to Water Conn.<br>in.  | D Floor to T&P Conn.<br>in.     | Approx. Shipping Weight<br>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                             |

| Model Number | Nominal Liter Capacity | Standby Loss (Watts) | First Hour Rating (Liters) | Recovery 50°C Rise* | A Floor to Heater Top<br>mm. | B Jacket Dia.<br>mm. | C Floor to Water Conn.<br>mm. | D Floor to T&P Conn.<br>mm. | Approx. Shipping Weight<br>kg. |
|--------------|------------------------|----------------------|----------------------------|---------------------|------------------------------|----------------------|-------------------------------|-----------------------------|--------------------------------|
|              |                        |                      |                            |                     |                              |                      |                               |                             |                                |
| M-2-30R6DS   | 114                    | 56                   | 189                        | 79                  | 1191                         | 457                  | 1222                          | 1199                        | 39                             |
| M-2-40S6DS   | 151                    | 63                   | 212                        | 79                  | 1191                         | 508                  | 1216                          | 1191                        | 47                             |
| M-2-40T6DS   | 151                    | 63                   | 212                        | 79                  | 1518                         | 457                  | 1543                          | 1518                        | 50                             |
| M-2-50S6DS†  | 189                    | 70                   | 254                        | 79                  | 1181                         | 559                  | 1207                          | 1181                        | 59                             |
| M-2-50T6DS   | 189                    | 70                   | 254                        | 79                  | 1461                         | 508                  | 1486                          | 1461                        | 56                             |
| M-2-65R6DS   | 246                    | 81                   | 291                        | 79                  | 1505                         | 559                  | 1530                          | 1505                        | 71                             |
| M-2-80R6DS   | 303                    | 97                   | 348                        | 79                  | 1505                         | 610                  | 1530                          | 1505                        | 83                             |

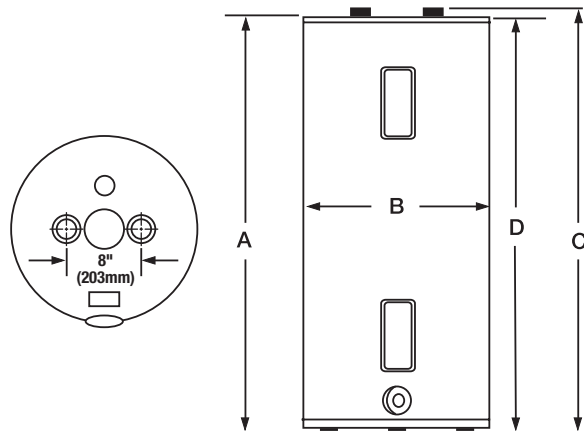
If bottom cold water inlet kit is required, order part # 265-52904-00.

† Available with optional hand hole cleanout.

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.



| Wattage | Recovery ▲<br>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 ▲<br>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   | yes  | 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). 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.*

**Customer Service / Sales: 1-866-690-0961 / 905-203-0600**  
**24/7 Technical Support: 800-334-3393 ■ Email [techserv@bradfordwhite.com](mailto:techserv@bradfordwhite.com)**

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