

Residential Large Volume Electric Water Heater



Photo is of
RE380T6

The Large Volume Electric Models Feature:

- **Fully Automatic Controls**—Fast acting surface-mount thermostat with high limit energy cut-off (manual reset) for safety.
- **Low Restrictive Brass Drain Valve**—Durable tamper proof design.
- **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 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).
- **Insulation System**—Non-CFC foam covers the sides and top of the tank, reducing heat loss. This results in less energy consumption, improved efficiencies, and jacket rigidity.
- **Water Connections**—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**—120V & 277V may only be wired for single phase operation.
- **T&P Relief Valve**—Installed.
- **Design evaluated by ETL in accordance with Part 280.707(d) of HUD Mobile Home Construction and Safety Standards for Energy Efficiency.**



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



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

If used as a warranty replacement all replacement water heaters and parts carry the balance of the original warranty. 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.



Residential Electric Water Heater

Large Volume Models

C.E.C. Listed

| Model Number | Nominal Gal. Capacity | | DOE Rated Storage Volume (Gal.) | First Hour Rating (Gal.) | Uniform Energy Factor | Recovery at 90°F Rise* | | A Floor to Top of Heater in. | B Jacket Dia. in. | C Floor to Water Conn. in. | D C/L of Water Conn. in. | E Floor to T&P Conn. in. | G Water Conn. NPT in. | Approx. Shipping Weight lbs. |
|--------------|-----------------------|-----------|---------------------------------|--------------------------|-----------------------|------------------------|----------|---------------------------------|--------------------------------|--------------------------------|-----------------------------|--------------------------------|-----------------------------|---------------------------------|
| | U.S. Gal. | Imp. Gal. | | | | U.S. GPH | Imp. GPH | | | | | | | |
| RE380T6 | 79 | 66 | 73 | 76 | 0.92 | 21 | 18 | 60 ¹ / ₈ | 26 | 61 | 8 | 61 ¹ / ₂ | ³ / ₄ | 202 |
| RE3120T6 | 118 | 98 | 108 | 110 | 0.90 | 21 | 18 | 63 | 30 ¹ / ₄ | 63 ³ / ₄ | 8 | 64 ¹ / ₂ | 1 | 302 |

| Model Number | Nominal Liter Capacity | DOE Rated Storage Volume (Liters) | First Hour Rating (Liters) | Uniform Energy Factor | Recovery at 50°C Rise* | | A Floor to Top of Heater mm. | B Jacket Dia. mm. | C Floor to Water Conn. mm. | D C/L of Water Conn. mm. | E Floor to T&P Conn. mm. | G Water Conn. NPT mm. | Approx. Shipping Weight kg. |
|--------------|------------------------|-----------------------------------|----------------------------|-----------------------|------------------------|--|---------------------------------|----------------------|-------------------------------|-----------------------------|-----------------------------|--------------------------|--------------------------------|
| | | | | | Liters/Hour | | | | | | | | |
| RE380T6 | 299 | 276 | 288 | 0.92 | 79 | | 1527 | 660 | 1549 | 203 | 1562 | 19 | 92 |
| RE3120T6 | 447 | 409 | 416 | 0.90 | 79 | | 1600 | 768 | 1619 | 203 | 1638 | 25 | 137 |

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

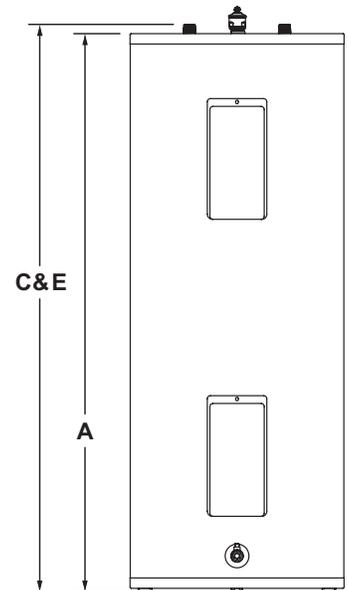
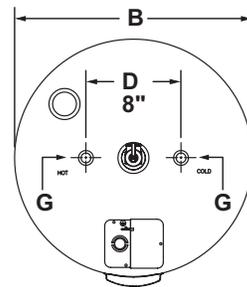
* Based on 4500W/4500W, Non-Simultaneous operation.

Uniform Energy Factor and First Hour Rating is based on the latest AHRI directory listings.

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

| Wattage | Recovery ▲ GPH Temperature Rise °F | | | | | Wattage | Recovery ▲ LPH Temperature Rise °C | | | | |
|---------|---------------------------------------|----|----|-----|-----|---------|---------------------------------------|-----|-----|----|----|
| | 60 | 80 | 90 | 100 | 120 | | 34 | 45 | 50 | 56 | 67 |
| 1500W | 10 | 8 | 7 | 6 | 5 | 1500W | 38 | 30 | 26 | 23 | 19 |
| 2000W | 14 | 10 | 9 | 8 | 7 | 2000W | 53 | 38 | 34 | 30 | 26 |
| 2500W | 17 | 13 | 11 | 10 | 9 | 2500W | 64 | 49 | 42 | 38 | 34 |
| 3000W | 21 | 15 | 14 | 12 | 10 | 3000W | 79 | 57 | 53 | 45 | 38 |
| 3500W | 24 | 18 | 16 | 14 | 12 | 3500W | 91 | 68 | 61 | 53 | 45 |
| 4000W | 28 | 21 | 18 | 16 | 14 | 4000W | 106 | 79 | 68 | 61 | 53 |
| 4500W | 31 | 23 | 21 | 19 | 15 | 4500W | 117 | 87 | 79 | 72 | 57 |
| 5000W | 34 | 26 | 23 | 21 | 17 | 5000W | 129 | 98 | 87 | 79 | 64 |
| 5500W | 38 | 29 | 25 | 23 | 19 | 5500W | 144 | 110 | 95 | 87 | 72 |
| 6000W | 41 | 31 | 28 | 25 | 21 | 6000W | 155 | 117 | 106 | 95 | 79 |

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



General:

Meets the UEF requirements as prescribed by the U.S. Department of Energy in effect as of October 1, 2019.

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), 119 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.

— BRADFORD WHITE IS —



For field service, contact your professional installer or local Bradford White sales representative.

Sales 800-523-2931 ■ Fax 215-641-1612

Technical Support 800-334-3393 ■ Email techserv@bradfordwhite.com

Warranty 800-531-2111 ■ Email warranty@bradfordwhite.com

International: Telephone 1-215-641-9400 ■ Email international@bradfordwhite.com / www.bradfordwhite.com

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