



Photo is of RE2H50S10



# AeroTherm®

## Hybrid Electric Heat Pump Water Heater

### Features

- **ENERGY STAR® Certified.**
- **Vitrageglas® Lining with Microban®**—An exclusively engineered enamel formula that provides superior tank protection from the corrosive effects of water; and with Microban® antimicrobial product protection to help prevent the growth of bacteria, mold and mildew on the surface of the tank lining.
- **Bradford White Connect™**—Turns a Bradford White Water Heater into a smart, app-controlled appliance. Contractor version offers remote diagnostics with homeowner permission.
- **The AeroTherm® Series Control Panel**—Displays current status, mode, set point, and applicable error messages. Also provides detailed diagnostics including fault, tank, and heat pump codes.
- **Operating Modes Offer Flexibility.**
  - Heat Pump (Only)—Maximizes savings, most energy efficient mode.
  - Hybrid Standard—Factory setting combining heat pump efficiency with standard electric recovery rates when needed (upper heating element operation only).
  - Hybrid Plus—Maximizes recovery using both heat pump and lower electrical element simultaneously.
  - Electric (Only)—Operates like a standard electric water heater, eliminating airflow and sound (least energy efficient).
  - Vacation—Adjusts the temperature set point down to 50°F (10°C) for extended periods of time.

### Additional Details

- **Packaging Can be Laid on its Back for Transportation Flexibility**—Easy-to-open, protective packaging.
- **Easily Accessible Top Mounted Washable Air Filter**—User is automatically alerted when the air filter needs to be cleaned.
- **Operating Air Temperature Range of 35-120°F (2-49°C) for the Heat Pump**—Unit operates in Standard/Electric Mode outside of this range.
- **Backup Immersed Electric Heating Elements**—Transfers heat directly and efficiently to the water. Screw-in style.
- **Insulation System**—Non-CFC foam insulation covers the tank, reducing heat loss, energy consumption, and improves efficiency and jacket rigidity.
- **Factory-Installed Heat Traps**—Incorporates a flexible disk that reduces heat loss in piping and prevents noise.
- **Water Connections**—3/4" (19mm) NPT factory-installed true dielectric fittings extend water heater life and simplify water line connections.
- **Protective Anode Rod**—Provides added protection against corrosion for long-term, trouble-free service.
- **T&P Relief Valve**—Installed.
- **Low Restrictive Brass Drain Valve**—Durable tamper proof design.
- **Meets Requirements for Tier 4 of Advanced Water Heating Specification (AWHS)**—Demand response ready with built-in CTA-2045 port.
- **Optional Ducting Kit**—Maximum duct length of 75 feet (23m) combined between inlet and exhaust.



### 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. See complete copy of the warranty included with the heater for limitations.

Microban® antimicrobial product protection helps prevent the growth of bacteria, mold and mildew that may affect the product. The built-in antimicrobial properties do not protect users or others from disease-causing organisms. Microban® is a registered trademark of Microban Products Company.

# AeroTherm<sup>®</sup>

## Hybrid Electric Heat Pump Water Heater



### SPECIFICATIONS

Electric with Bradford White Connect™

These water heaters meet or exceed all or portions of (where applicable) the minimum efficiency requirements of ASHRAE Standard 90.1 (latest edition), C.E.C. Listed.

Model Number	Rated Nominal 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.	F Floor to Condensate Conn. in.	G Water Conn. Size NPT in.	Approx. Shipping Weight lbs.
	U.S. Gal.	Imp. Gal.				U.S. GPH		Imp. GPH									
						Compressor Only	Compressor +Element	Compressor Only	Compressor +Element								
★ RE2H50S10-CON	50	42	45	65	3.44	6	24	5	20	59 <sup>3</sup> / <sub>16</sub>	21 <sup>3</sup> / <sub>4</sub>	60 <sup>3</sup> / <sub>4</sub>	8	38 <sup>7</sup> / <sub>8</sub>	46 <sup>13</sup> / <sub>16</sub>	3/4	195
★ RE2H65T10-CON	65	54	65	79	3.64	6	24	5	20	63 <sup>3</sup> / <sub>4</sub>	25	65 <sup>1</sup> / <sub>2</sub>	8	42 <sup>7</sup> / <sub>8</sub>	51 <sup>3</sup> / <sub>8</sub>	3/4	236
★ RE2H80T10-CON	80	67	75	88	3.59	6	24	5	20	70 <sup>13</sup> / <sub>16</sub>	25	73 <sup>1</sup> / <sub>2</sub>	8	50 <sup>3</sup> / <sub>8</sub>	58 <sup>11</sup> / <sub>16</sub>	3/4	259

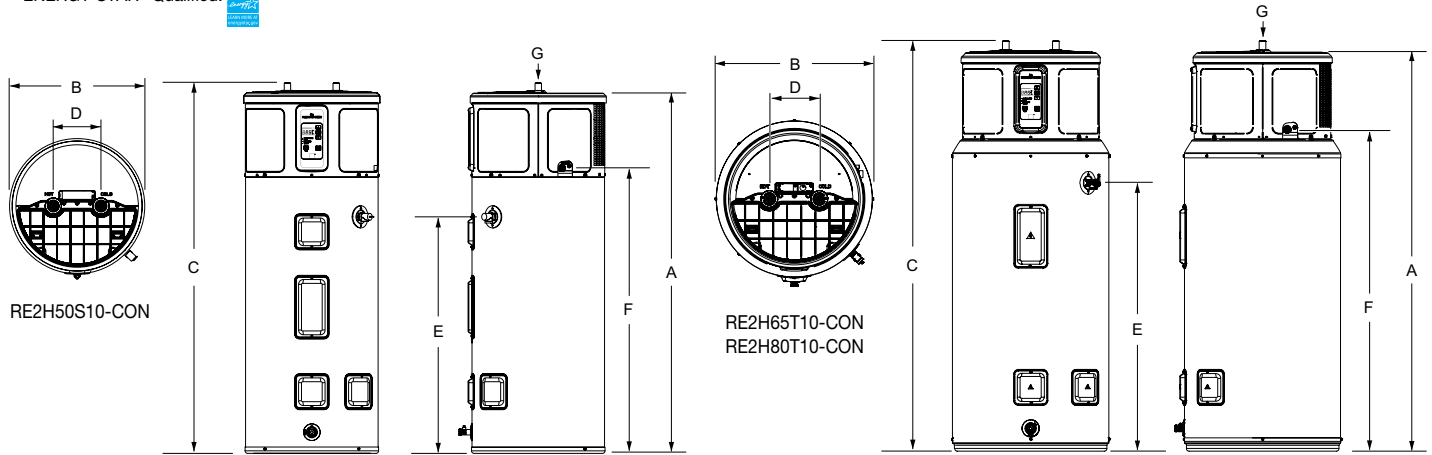
Model Number	Rated Nominal Capacity		DOE Rated Storage Volume Liters	First Hour Rating Liters	Uniform Energy Factor	Recovery at 50°C Rise*		A Floor to Top of Heater mm.	B Jacket Dia. mm.	C Floor to Water Conn. mm.	D C/L of Water Conn. mm.	E Floor to T&P Conn. mm.	F Floor to Condensate Conn. mm.	G Water Conn. Size NPT mm.	Approx. Shipping Weight kg.
	Liters	Liters				Liters/Hour									
						Compressor Only	Compressor +Element								
★ RE2H50S10-CON	189	170	246	246	3.44	23	91	1503	552	1543	203	987	1189	19	88
★ RE2H65T10-CON	246	246	299	299	3.64	23	91	1619	635	1664	203	1216	1305	19	107
★ RE2H80T10-CON	303	284	333	333	3.59	23	91	1799	635	1867	203	1280	1491	19	117

\*Based on Hybrid Standard Mode with 67.5°F ambient temperature and 50% relative humidity (RH).

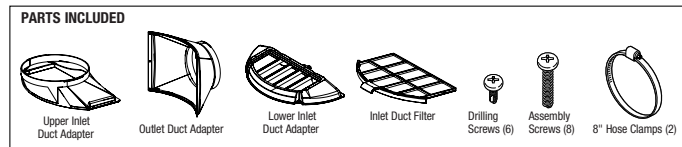
For 6 year models, change suffix from "10" to "6"; 6 year models may not qualify for some local rebates. 6 year models qualify for AWHS Tier 1.

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

★ = ENERGY STAR<sup>®</sup> Qualified.



**BRADFORD WHITE**  
**connect**  
Scan QR code to learn more about  
Bradford White Connect™



Optional Ducting Kit: Part No. 415-52820-00.

Kit installation also requires - 8" (203mm) insulated flexible ducting, ducting support hangers and exterior wall vents for inlet & outlet. Additional clearances required for ducting, refer to ducting kit instructions.

### GENERAL:

Meets NAECA Requirements. All models are UL listed. These heaters are wired inter-locking (Non-Simultaneous, Single Phase) 240V/208V with 4000W/3000W upper element and 4000W/3000W lower element. All water connections are 3/4" (19mm) NPT. All models certified at 300 PSI test pressure (2068 kPa) and 150 PSI working pressure (1034 kPa).

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.

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



Sales: 800-523-2931

24/7 Technical Support: 800-334-3393 • Email TechServ@bradfordwhite.com

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