

The AeroTherm™ Series Heat Pump water heater offers advanced technology and low cost operation.

QUIET OPERATION

Operating Sound Level 55 DBA Average

POWER / RATINGS

Electrical Circuit Required 208V/240V 60 Hz Dedicated 30 Amp Min.

Electrical Consumption - Lower Element 4,000 Watts (2.4 EF = 4,500 Watts)

Electrical Consumption - Upper Element 4,500 Watts

Electrical Consumption Heat Pump 4,500 Watts Maximum Heating;
550 Watts Minimum Heating

Energy Factor (hybrid mode) Up to 3.1

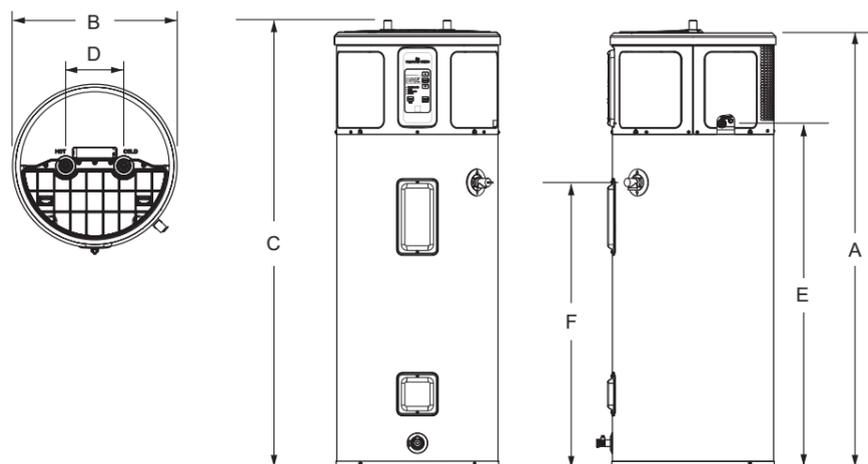
First Hour Rating (FHR) Up to 92 gallons

Operating Air Temperature Range Heat Pump 45° F to 120° F (Unit operates in Standard/Electric Mode outside of this range)

Operating Water Pressure 150 PSI Maximum Working Pressure
(30-80 PSI recommended)



Specs at a Glance



Model Number	Capacity		Energy Factor (EF)	First Hour Rating (FHR)	Recovery 90°F Rise		A Floor to Heater Top in.	B Jacket Dia. in.	C Floor to Water Conn. in.	D Distance Between Water Conn. in.	E Floor to Condensate Conn. in.	F Floor to T&P Conn. in.	Approx. Shipping Weight lbs.
	U.S. Gal.	Imp. Gal.			U.S. GPH*	Imp. GPH*							
RE2H50R10	50	42	2.4	65	21	18	59 1/8	21 3/4	60 3/4	8	46 3/4	38 3/4	195
RE2H50R10B	50	42	3.1	67	21	18	59 1/8	21 3/4	60 3/4	8	46 3/4	38 3/4	195
RE2H80R10B	80	67	3.1	92	21	18	71 1/8	25	73 1/2	8	58 3/4	50 3/8	235

*Energy Factor and First Hour Rating are based on latest AHRI Directory listings.

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

ATHRMB-0115

AeroTherm™ Series Heat Pump Water Heater



Get The AeroTherm™ Series Heat Pump Water Heater.

Smart for You and Smart for Your Customers.



The Bradford White AeroTherm™ Series water heaters combine the installation and servicing features valued by plumbing professionals with the energy and cost saving benefits important to today's energy conscious consumer.

Smart for You

For plumbing professionals, the AeroTherm™ Series features top water connections and convenient height and weight for quick and easy replacements and installations. The product can also be laid on its side for greater transportation flexibility. And AeroTherm's integrated smart control panel includes detailed diagnostic information for ease of serviceability and quick and accurate diagnostics. Just as important, the AeroTherm™ Series adds another great line of Bradford White products you can offer your customers.

Smart for Customers

ENERGY STAR® certified, AeroTherm™ Series water heaters are eligible for most rebate programs throughout the country resulting in initial savings to the consumer. Efficiencies up to 3.1 EF (Energy Factor) result in significant energy and money savings throughout product lifetime. First hour delivery ratings up to 92-gallons per hour and ultra-quiet operation ensure consumers get exceptional performance to meet their demands for hot water. And with four user-selectable operation modes (Heat Pump, Hybrid, Electric, Vacation), the new AeroTherm™ Series gives consumers greater control over their water heater's energy consumption. The AeroTherm™ Series also comes standard with a 10-year limited warranty.



Highlights

- 50- and 80-gallon capacities - comparable replacements for 40-, 50-, or 80-gallon standard electric water heaters
- Provide the same amount of hot water as standard electric 50- or 80-gallon water heaters
- Same footprint and electrical connections as a standard electric water heater
- Top water connections and a convenient height and weight for quick and easy replacements and installations
- Designed for indoor installation such as: basement, garage, closet, utility room, attic, etc.
- Four operating modes: Heat Pump, Hybrid, Electric, and Vacation
- Electronic controls make it simple to change the temperature or operating mode
- Northern climate tier 3 capable (RE2H50R10B and RE2H80R10B)
- Quiet operation
- 10-year limited warranty



What Makes It Smart

The AeroTherm™ utilizes both heat-pump technology (1) and back-up electric heating elements (2) to heat water. This integrated system helps to drive the AeroTherm's economical and efficient operation. During heat pump operation, a fan (3) draws heat from the air into a compressor (4) and evaporator (5) to heat refrigerant. Once heated, the refrigerant travels through a coil (6) that fully surrounds the water storage tank. Heat is directly transferred to the water in the tank (7). The AeroTherm™ Series heat pump water heater provides considerable energy efficiency while greatly reducing the cost of water heating.

The AeroTherm™ Series Smart Control Panel

The AeroTherm™ Series control panel provides detailed diagnostic information including water heater fault codes, tank codes, need to assess codes, and heat pump codes. Additional functions allow you to monitor the status of temperature-sensing thermistors and heating components.



- User friendly, easy to read display
- LED's clearly indicate the current operating mode
- Easy to change the temperature or operating mode
- Adjustments of one degree increments from 100 to 140 degrees Fahrenheit
- Display communicates current status, mode and set point, and displays error messages when applicable

Operational Modes

- Heat Pump (only) Mode** – Maximizes consumer savings. The most energy efficient mode as it only utilizes the heat pump.
- Hybrid Mode** – Saves while experiencing fast recovery. Hybrid mode is the factory setting combining heat pump efficiency and savings with recovery rates of standard electric when needed.
- Electric (only) Mode** – Operates like a standard electric water heater, and eliminates the air flow and sound from the heat pump system when preferred (fastest recovery time, but least energy efficient).
- Vacation Mode** – Adjusts the temperature set point down to 50°F for 3-14 days.

ENERGY STAR® QUALIFIED:

- Save \$403 per year in estimated annual operating cost*
- Qualifies for state and local utility rebates and tax credits
- Exceeds ENERGY STAR® standards and provides year-round energy and money savings



*Information provided by the Air Conditioning, Heating and Refrigeration Institute (AHRI) and Bradford White. Savings based on the estimated annual operating cost of a standard 50-gallon electric tank water heater using 4773 kWh per year vs. the 50-gallon, 3.1 EF AeroTherm™ heat pump water heater using 1416 kWh per year and national average electricity rate of 12 cents per kWh. For FTC guide information, please visit www.ahrinet.org.