

B R A D F O R D W H I T E



AeroTherm® Series Heat Pump Water Heater



Built to be the Best™ | www.bradfordwhite.com

Get The AeroTherm® Series Heat Pump Water Heater.



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 3.48 UEF (Uniform Energy Factor) result in significant energy and money savings throughout product lifetime. First hour delivery ratings up to 87-gallons 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.

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 water 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**
- **Quiet operation**

Smart for You and Smart for Your Customers.



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. 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 extended periods of time.

ENERGY STAR® QUALIFIED:

- *Save \$300 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 3531 kWh per year vs. the 50-gallon, 3.39 UEF AeroTherm® heat pump water heater using 958 kWh per year and national average electricity rate of 12 cents per kWh. For FTC guide information, please visit www.ahrinet.org.

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

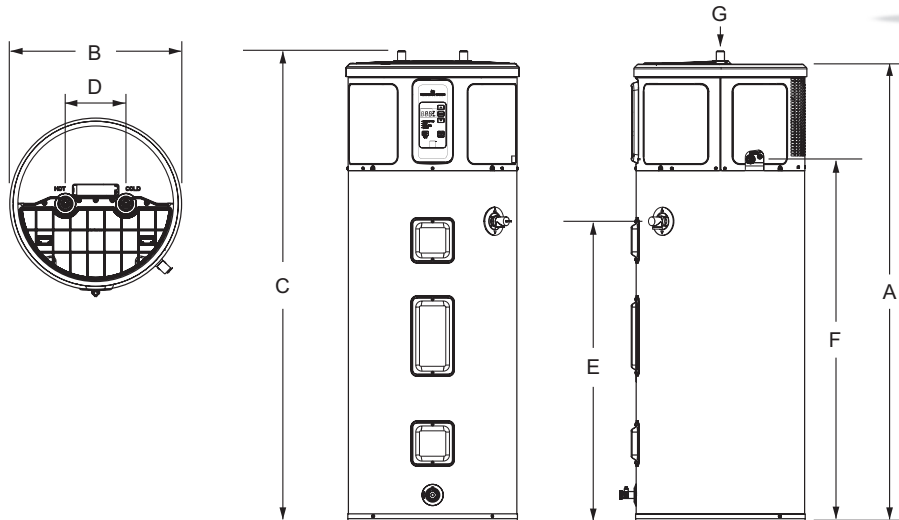
QUIET OPERATION

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
Electrical Consumption - Upper Element	4,500 Watts
Electrical Consumption Heat Pump	4,500 Watts Maximum Heating; 550 Watts Minimum Heating
Uniform Energy Factor (hybrid mode)	Up to 3.48
First Hour Rating (FHR)	Up to 87 gallons
Operating Air Temperature Range	Heat Pump 35° 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	Nominal Gal. Capacity		DOE Rated Storage Volume (Gal.)	First Hour Delivery Rating (Gal.)	Uniform Energy Factor (UEF)	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. Gal.	Imp. Gal.								
RE2H50S10	50	42	45	65	3.39	21	18	59 ⁹ / ₁₆	21 ³ / ₄	60 ⁹ / ₄	8	38 ⁷ / ₈	46 ¹³ / ₁₆	8	195
RE2H80T10	80	67	75	87	3.48	21	18	70 ¹³ / ₁₆	25	73 ¹ / ₂	8	50 ³ / ₈	58 ¹¹ / ₁₆	8	235

*Uniform 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.



Committed to the Professional.

©2018, Bradford White Corporation. All rights reserved.

ATHRMB-0218

BRADFORD WHITE
WATER HEATERS
www.bradfordwhite.com