



Residential Hybrid Electric Heat Pump Water Heater

10-Year Limited Tank/ 10-Year Limited Parts Warranty*

The Hybrid Electric heat pump water heater from American is the most cost effective energy-efficient option available for consumers who want to save money on their utility bills. The Hybrid Electric heat pump can reduce water heating costs up to 66% and provide payback in 2-3 years. With annual savings of \$393 or more, there is no better way to go green.

How Do They Work?

- Absorb ambient heat from the surrounding air to heat water using a compressor and environmentally-friendly R134a refrigerant
 - Self-contained heat pump unit is integrated into the top of the tank
 - Multiple operating modes to maximize efficiency and performance

Qualifies for many state and local utility rebates - check www.dsireusa.org

FEATURES

Increased Energy Efficiency

- Improved efficiency designed in, to ensure available hot water at the lowest possible cost
- Up to a 2.75 Energy Factor (EF) Rating conserves energy and meets ENERGY STAR® qualifications

Choice of Operating Modes

- Select from Efficiency, Hybrid, or Electric modes to match heating requirements to environmental conditions. Hybrid mode automatically adjusts between compressor and element, depending upon heat requirements.
- Vacation mode reduces operating costs and provides freeze protection during extended absence

Backup Electric Elements

- Long-lasting backup heating elements help heat water according to environmental conditions, demand, and the chosen operating modes

Dry Fire Protection

- Control system checks to ensure the tank is full of water during start up to prevent dry firing the heating elements

Coregard™ Anode Rod

- Our anode rod has a stainless steel core that extends the life of the anode rod allowing superior tank protection far longer than standard anode rods
- Protects the tank from the corrosive effects of hot water, to ensure long tank life

Electronic User Interface

- User-friendly electronic interface allows easy control of temperature setting, operating mode, and communicates diagnostics
- Easy to read temperature display (see back) shows temperature in °F or °C
- Advanced diagnostics convey error messages for service purposes. The last four error messages are saved in the control system memory.

Other Features

- Ideal for basements or garage installations; the compressor transfers heat to the water while dehumidifying and cooling the ambient air
- Washable air filter is easily removed for routine cleaning



HPSE10250H045DV



*For complete warranty information consult the written warranty of American Water Heaters found at www.americanwaterheater.com, or call (800) 999-9515.



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Electronic User Interface

- User friendly, easy to read display
- LEDs clearly indicate the current operating mode
- Easily select operating mode:
 - Efficiency
 - Hybrid
 - Electric
 - Vacation
- Display communicates current status, mode and set point, and displays error messages when applicable
- Vacation mode programmable up to 99 days

Efficiency Mode

- Utilizes the heat pump for all water heating
- Automatically reverts to heating element if ambient air or water temperatures are outside optimal operating range for heat pump

Hybrid Mode

- Utilizes the heat pump or heating element, depending on demand

Electric Mode

- Standard electric water heater operation

Vacation Mode

- Maintains tank temperature of 60°F (15.6°C) during vacation or extended absence to reduce operating costs and provide freeze protection

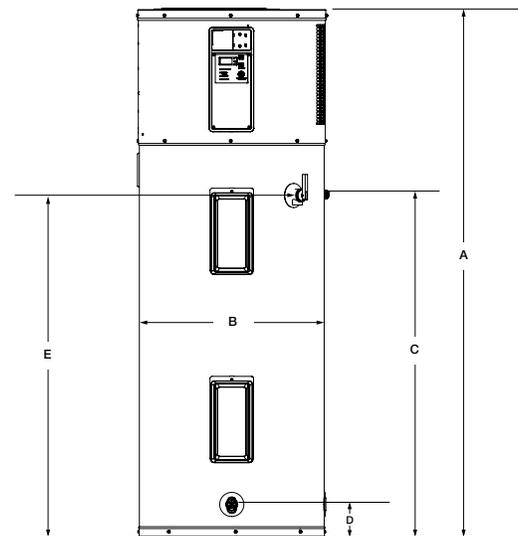
MODEL	GALLON CAPACITY	ENERGY FACTOR BY MODE			1ST HOUR RATING (GAL) BY MODE			HEIGHT (INCHES) A	DIAMETER (INCHES) B	HEIGHT TO WATER OUTLET (INCHES) C	HEIGHT TO WATER INLET (INCHES) D	HEIGHT TO T&P (INCHES) E	APPROX. SHIPPING WEIGHT (LBS)
		EFFICIENCY	HYBRID	ELECTRIC	EFFICIENCY	HYBRID	ELECTRIC						
HPSE10250H045DV	50	2.78	2.75	0.89	42.1	67.5	59.1	63	22	40-5/8	3-3/4	40-1/2	196
HPSE10266H045DV	66	2.71	2.74	0.91	59.7	81	79	61	27	38	4	38	285
HPSE10280H045DV	80	2.71	2.72	0.92	76.3	91	88	69	27	46	4	46	302

Other Features:

- Sacrificial anode to protect against tank corrosion
- 2 Inch environmentally-friendly non-CFC foam insulation
- Durable, tamper-resistant brass drain valve
- CSA certified and ASME rated temperature & pressure relief valve

Operating Requirements:

- Requires provision for condensate draining; if a suitable drain is not available, a condensate pump is required
- 240 VAC single phase 30 amp power supply



Distributed By:

Order Entry and Sales

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Warranty and Service

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