Residential Electric Water Heater

HYBRID ELECTRIC HEAT PUMP

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 71% and provide payback in 2-3 years. With annual savings of $437 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

INCREASED ENERGY EFFICIENCY

- Improved efficiency designed in, to ensure available hot water at the lowest possible cost
- Up to a 3.24 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.
- 66 and 80 gallon models have dual anodes for added protection.

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.

TEN YEAR LIMITED WARRANTY

- For complete information, consult written warranty or go to americanwaterheater.com.

Low Lead Content

ENERGY STAR

AHRI CERTIFIED®
www.ahridirectory.org

For complete warranty information consult the written warranty of American Water Heaters found at:
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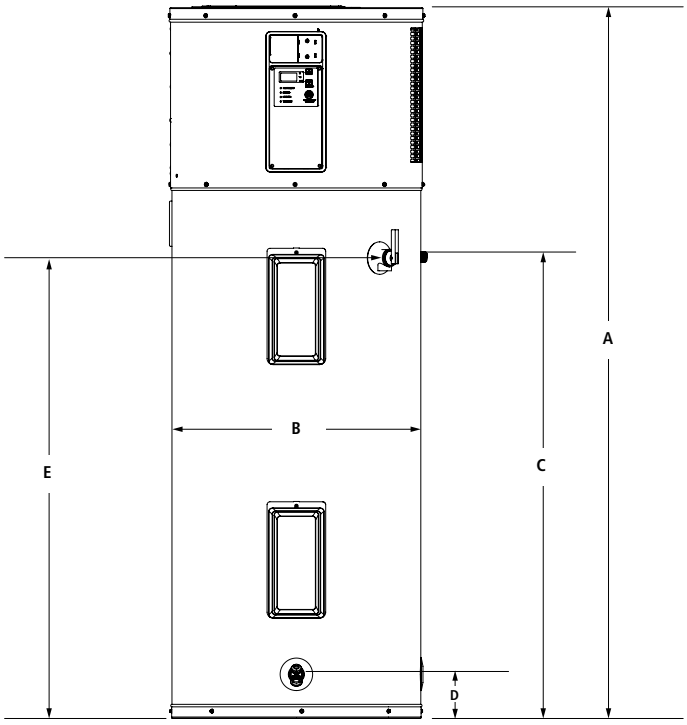
Model Number	Gallon Capacity	Energy Factor by Mode			1st Hour Rating (Gal) By Mode			Dimensions in Inches					Approx. Shipping Weight (lbs)	Warranty Term
		Efficiency	Hybrid	Electric	Efficiency	Hybrid	Electric	A	B	C	D	E		
HPHE10250H045DV	50	3.61	3.24	0.93	44.4	70	57.3	63	22	40-5/8	3-3/4	40-1/2	196	10
HPHE10266H045DV	66	3.44	3.17	0.92	62.5	80	78.6	61	27	38	4	38	289	10
HPHE10280H045DV	80	3.27	3.06	0.92	76.3	95	90.1	69	27	46	4	46	307	10

Requires 30 amp breaker.
Top T&P option not available on these models.



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

- One touch operation maintains tank temperature of 60°F (15.6°C) during vacation or extended absence to reduce operating costs and provide freeze protection
- Programmable up to 99 days.

OTHER FEATURES:

- Sacrificial anode to protect against tank corrosion
- Environmentally-friendly non-CFC foam insulation
- Durable, enhanced-flow 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
- 208/240 VAC 60Hz single phase 30 amp power supply

For technical information call (800) 999-9515. American Water Heaters reserves the right to make product changes or improvements without prior notice.