

HYBRID ELECTRIC HEAT PUMP

The High Efficiency 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. High Efficiency can reduce water heating costs up to 58% and provide payback in 2-3 years. With annual savings of \$242 or more for the life of the appliance there is no better way to go green than High Efficiency.

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 2.20 Uniform Energy Factor (UEF) 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 Incoloy heating elements, 240V/2000W lower and 240V/4500W upper, helps heat water when in conventional Electric or Hybrid 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

POWERED ANODE

- \$230 value - after market accessory
- Lasts for the life of the water heater
- Maintenance free - reduces service/maintenance costs
- Eliminates smelly and discolored water problems associated with standard anodes

ELECTRONIC USER INTERFACE

- User-friendly LCD touch pad 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.

ACCESSORY INLET/OUTLET DUCT KITS

- Permits installation in confined spaces as small as 4' x 4' x 8' (128 cubic feet)
- Duct adaptor kits redirect inlet and/or outlet air
- Engineered solution – ensures optimal efficiency performance

6-YEAR LIMITED TANK AND PARTS WARRANTY

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





COMMERCIAL-GRADE

Residential Electric Water Heaters

Model Number	Nominal Capacity	Rated Storage Volume	UEF	First Hour Rating (Gallons)	Dimensions in Inches					Approx. Shipping Weight (lbs)
					A	B	C	D	E	
HPE6280H045DV	80	77	2.20	73	82-1/2	24-1/2	55	4-1/4	56-1/3	340

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



ELECTRONIC USER INTERFACE

- Large LCD touch pad display
- Intuitive icons clearly indicate the current operating mode
- Individual backlit buttons for mode selection:
 - Efficiency
 - Hybrid
 - Electric
 - Vacation
- Three-line display communicates current status and displays error messages in plain English when applicable
- Safety lock

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

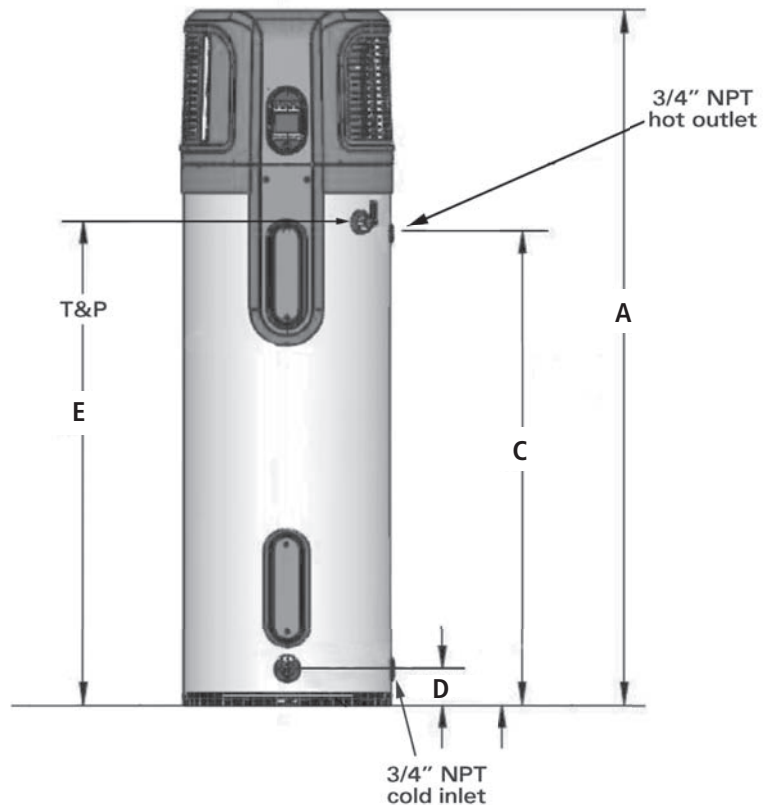
- One touch operation maintains tank temperature of 60°F (15.6°C) during vacation or extended absence to reduce operating costs and provide freeze protection

OPTIONAL ACCESSORIES

- Inlet Air Duct Kit part number 100131277
- Outlet Air Duct Kit part number 100131278

OPERATING REQUIREMENTS

- Requires provision for condensate draining; if a suitable drain is not available, a condensate pump is required
- Minimum 750 cubic feet of space without duct kit, minimum 128 cubic feet of space with duct kit
- 240 VAC 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.