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

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<th>Rated Storage Volume</th>
<th>UEF</th>
<th>First Hour Rating (Gallons)</th>
<th>Dimensions in Inches</th>
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For technical information call (800) 999-9515. American Water Heaters reserves the right to make product changes or improvements without prior notice.

American Water Heaters | 500 Princeton Road (FEDEX, UPS), Johnson City, TN 37601-2030 | P.O.Box 1597 (Mailing), Johnson City, TN 37605-1597
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**COMMERCIAL-GRADE**
Residential Electric Water Heaters

**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