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

*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

<table>
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<th>MODEL</th>
<th>GALLON CAPACITY</th>
<th>ENERGY FACTOR BY MODE</th>
<th>1ST HOUR RATING (GAL) BY MODE</th>
<th>HEIGHT (INCHES) A</th>
<th>DIAMETER (INCHES) B</th>
<th>HEIGHT TO WATER OUTLET (INCHES) C</th>
<th>HEIGHT TO WATER INLET (INCHES) D</th>
<th>HEIGHT TO T&amp;P (INCHES) E</th>
<th>APPROX. SHIPPING WEIGHT (LBS)</th>
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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:

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