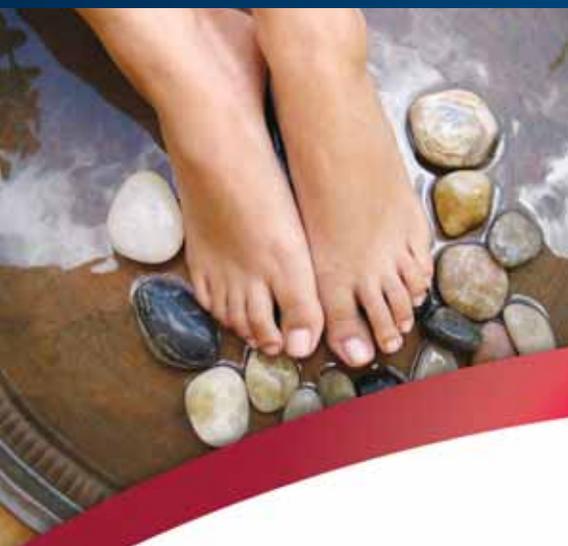




# HYBRID ELECTRIC HEAT PUMP WATER HEATERS

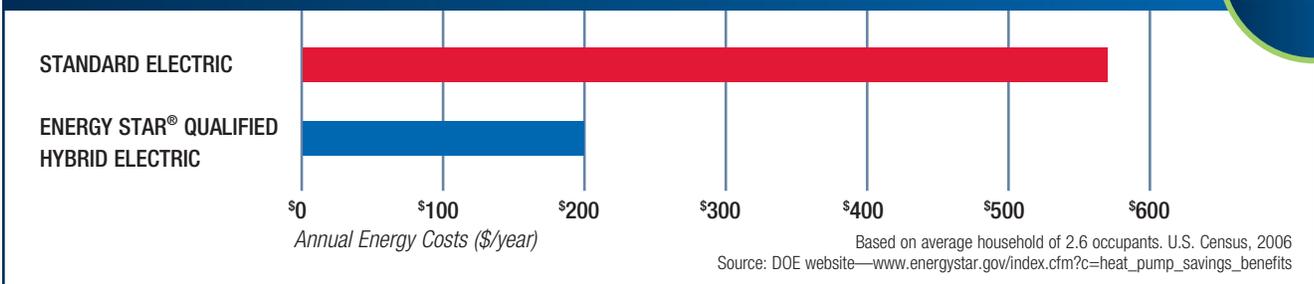


# DESIGNED TO CUT ENERGY COSTS BY MORE THAN HALF

If you were to combine the energy used by a household's refrigerator, dishwasher, clothes washer and clothes dryer, all of those appliances together would still use less energy than the standard water heater. That's why American developed Hybrid Electric Heat Pump Water Heaters, which actually create more hot water than the standard electric water heater using significantly less energy. It's a product that plumbers, wholesalers and homeowners can appreciate. In fact, American Hybrid Electric Heat Pump Water Heaters can save the average household about \$360 per year on their electricity bills compared to a standard electric water heater. That's a savings of more than \$4,200 over a 12-year period. With a payback period of three years or less, American Hybrid Electric Heat Pumps are a great solution for an energy-efficient upgrade.

## Compare the energy costs with American Hybrid Residential Electric Heat Pumps.

**\$360  
In Savings**



Compared to a 12-year-old standard electric water heater.

## HOW THEY WORK

In “Efficiency” mode, American Hybrid Electric Heat Pump Water Heaters operate automatically to heat water in the following manner:

- 1 A fan brings air through the air filter.
- 2 Heat in the air is absorbed by the refrigerant inside the evaporator coil.
- 3 The refrigerant is pumped through a compressor, which raises the temperature.
- 4 Hot refrigerant is circulated through the copper coil and transfers heat to the water.
- 5 The copper coil and storage tank are surrounded by 2 inches of “Environmentally-Friendly” Non-CFC foam insulation to reduce standby heat loss.

## ADVANCED ELECTRONIC CONTROL

### USER INTERFACE

- User-friendly LCD touch pad control with intuitive status icons in plain English provides easy interaction
- Safety lock feature prevents unwanted access
- Icons clearly indicate operating mode
- Three-line display communicates current status in plain English
- Individual buttons allow homeowner to choose from four operating modes: Efficiency, Hybrid, Electric and Vacation



### CHOOSE FROM FOUR OPERATIONAL MODES

Choose the right efficiency setting, based on climate, demand and installation.

**Efficiency Mode** – The most energy-efficient setting utilizes only the heat pump to extract warmth from the surrounding air and transfer it to the water. This mode provides the highest efficiency with up to a 2.4 Energy Factor (EF). This extra capacity allows it to operate in the efficiency mode more frequently than smaller capacity units.

**Hybrid Mode** – When hot water demand is at its peak, this setting utilizes both the heat pump and conventional electric element to provide the needed amount of hot water. This mode will provide a highly efficient 2.33 EF.

**Electric Mode** – In electric mode, the unit operates as a conventional electric model utilizing the elements only to provide quick recovery.

**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.

## GREATER STORAGE CAPACITY TRANSLATES TO MORE ENERGY SAVINGS

American Hybrid Electric Heat Pump Water Heaters have higher capacity and are designed to optimize the impact of the efficient heat pump technology. More storage capacity lets you store more of the hot water that was created by the heat pump. This capacity also enables the unit to operate in the maximum efficiency mode more often than other models with lower capacities.

## LARGE CAPACITY ALLOWS USE ACROSS ALL GEOGRAPHIC REGIONS

American Hybrid Electric Heat Pump Water Heaters can be effectively used in all areas of the U.S. Based on ambient conditions, hybrid mode allows both of the heating components – heat pump and traditional heating elements – to operate in order to provide optimal performance.

### REGION ①

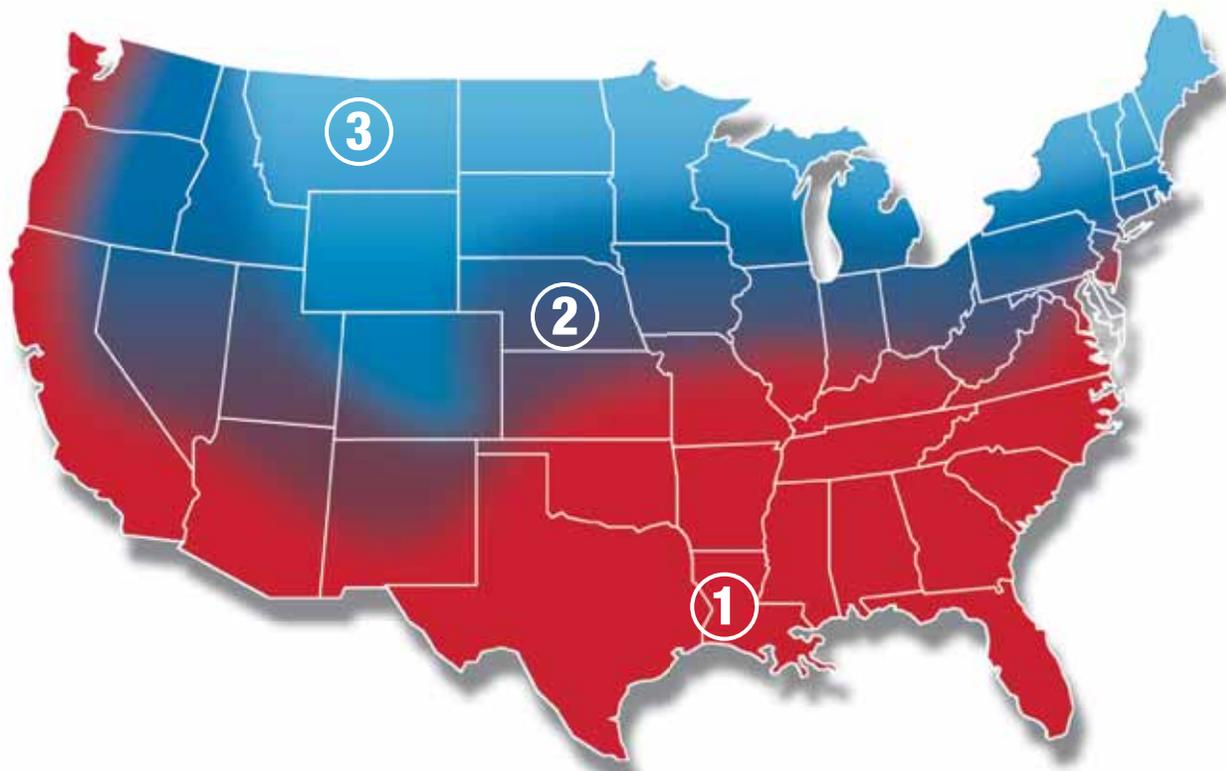
Heat pump will be used  
most of the year

### REGION ②

Majority heat pump operation

### REGION ③

Combination heat pump  
and electric heating elements



## SAVINGS ARE GREATER WHERE ELECTRICITY RATES ARE HIGHEST

The greatest savings and quickest payback can often be in regions where the average temperatures are colder. Operating 5 months out of the year in the heat pump mode where electricity rates are two to three times higher will yield more savings than operating 10 months in the heat pump mode where electricity rates are lower.



## A NEW ERA IN ELECTRIC WATER HEATING

*For years, there have been few high efficiency options for homeowners featuring an electric water heater. That's because there were few technological advances in electric water heating. But all that changes now, with American Hybrid Electric Heat Pump Water Heaters. Our new advanced design integrates heat pump technology to create a product that is over twice as efficient as a standard electric water heater. It's the most versatile and energy-efficient option for homeowners looking for cost savings and performance.*

American Hybrid Electric Heat Pump Water Heaters offer up to 2.4 Energy Factor (EF) rating. The design features an integrated heat pump with high efficiency compressor and external coil heat exchanger, with back-up electric elements. The combination provides greater energy efficiency and more energy savings, while providing multiple modes of operation for greater flexibility.



## ELIGIBLE FOR FEDERAL TAX CREDIT

These water heaters are eligible for the Federal Tax Credit. The Federal Tax Credit is limited to 30% of energy-efficient upgrades. Additional state and local utility incentives may also be available. Consult with your tax advisor for eligibility requirements and amount of tax credit. For more information, visit [www.americanwaterheater.com](http://www.americanwaterheater.com).



## ENERGY STAR® QUALIFIED

American Hybrid Electric Heat Pump Water Heaters meet ENERGY STAR® qualifications.



Model Number	Capacity (gallons)	Energy Factor by Mode			First Hour Rating by Mode			Height (inches)	Diameter (inches)	Shipping Weight (lbs)
		Efficiency*	Hybrid	Electric	Efficiency	Hybrid	Electric			
HPE10260H045DV	60	2.40	2.33	0.88	51	68	66	67½	24½	365
HPE10280H045DV	80	2.30	2.33	0.85	70	84	76	81½	24½	410

\*Up to a 2.4 Energy Factor (EF) rating in Efficiency mode.  
Power Requirements: 240 VAC Single Phase, 25 amp breaker



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