Voltex™







Voltex™ Hybrid Electric Water Heater

Twice as efficient as a standard electric water heater and easy to install, the Voltex more than lives up to its impressive reputation. The consumer friendly display is simple to operate and provides easy-to-understand feedback on operational status.



AT A GLANCE:

- Absorbs environmental heat and transfers it to the water, at the same time cooling and dehumidifying the ambient air
- 80-gallon tank means more energy created through the heat pump technology can be stored, resulting in increased savings
- Can operate in EFFICIENCY, HYBRID and ELECTRIC modes
- User-friendly LCD display for easy interaction
- Conserves energy thanks to 2.3 EF (Energy Factor) rating
- Eligible for 30% Federal tax credit of total installation cost; additional state or utility rebates may also apply
- ENERGY STAR® qualified appliance





Save Money On Cost Of Operation

Water heaters typically use more energy than most other household appliances. On average, they use more energy than a household's refrigerator, dishwasher, clothes washer and dryer combined. The great news is that the Voltex[™] has been designed to dramatically decrease the cost of operation. In fact, the Voltex can translate into

quite significant savings for the homeowner over the course of its lifespan. Just how significant? With its 2.3 EF rating (compared to an average .87–.92 EF rating of a standard electric model), this innovative water heater can cut annual operating costs by more than half.



Choose The Right Operating Mode Based On Climate, Demand And Installation To Maximize Savings

Efficiency Mode

The most energy-efficient setting works by extracting warmth from the surrounding air, concentrating the heat and transferring it to the water.

Hybrid Mode

This mode uses the heat pump for efficiency, but will use the element for quick recovery following increased hot water usage.

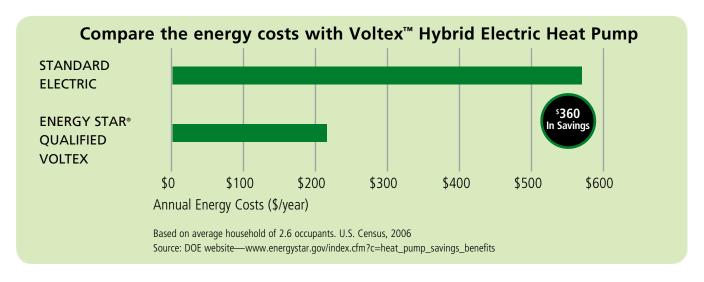
Conventional Electric Mode

In Electric Mode, the unit operates as a conventional electric water heater, utilizing the elements only for conditions when limited ambient heat is available.

Vacation Mode

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

How Much Money Can You Save?



How Does The Voltex Work?

The Voltex™ Hybrid Electric Heat Pump Water Heater is an integrated system that utilizes heat pump technology to provide a more efficient way to heat water with electricity. The Voltex pulls heat from the surrounding air and deposits the heat into the tank. The end result is very efficient production of hot water, with cooler and dehumidified air as a welcome by-product.

How It Works

In "Efficiency" mode, the Voltex Hybrid Electric Heat Pump Water Heater operates in the following manner:

- A fan brings warm 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 Non-CFC foam insulation to reduce standby heat loss.





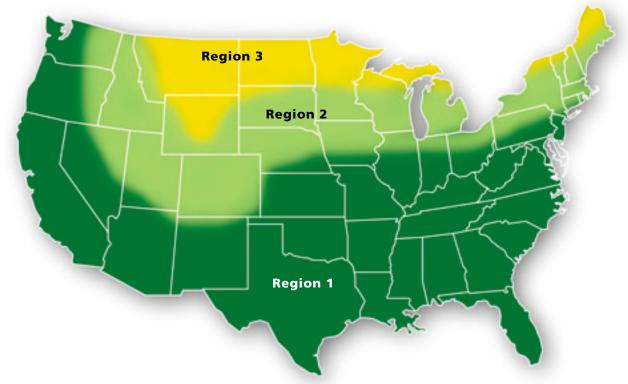
Large Capacity Allows Use Across All Geographic Regions

The Voltex Hybrid Electric Heat Pump Water Heater can be effectively used in all areas of the U.S. Based on the location, either or both of the heating components—heat pump and traditional heating elements—will operate for 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 tempertures 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.

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Model	lodel Gallon Energy Factor by Mode*			Mode*	First Hour Rating by Mode			Dimensions		Shipping Weight
Number	Capacity	Efficiency	Hybrid	Electric	Efficiency	Hybrid	Electric	Height	Diameter	(lbs)
PHPT-80	80	2.3	2.3	0.85	70	84	76	81.5	24.5	410

All dimensions in inches.

One thing you need to know about hybrid electric water heaters: the bigger the storage tank, the bigger the savings. And the Voltex has an 80-gallon tank, the biggest available. So you can imagine the savings.





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^{*}Increase storage capacity provides the same 2.3 Energy Factor in both Efficiency and hybrid modes.