

Voltex®

Hybrid Electric Heat Pump Water Heaters

AC Smith®



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 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 coil and transfers heat to the water.
- 5 The coil and storage tank are surrounded by "Environmentally-Friendly" Non-CFC foam insulation to reduce standby heat loss.



Cutaway of PHPT models