

### VOLTEX® HYBRID ELECTRIC HEAT PUMP WATER HEATER

The Voltex Hybrid Electric heat pump water heater from A. O. Smith is the most cost effective energy-efficient option available for consumers who want to save money on their utility bills. Voltex can reduce water heating costs up to 74% and provide payback in 2-3 years. With annual savings up to \$579\*, there is no better way to go green than Voltex.

#### 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](http://WWW.DSIREUSA.ORG)**

#### INCREASED ENERGY EFFICIENCY

- Improved efficiency designed in, to ensure available hot water at the lowest possible cost. Up to a 3.45 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 backup heating elements help heat water according to environmental conditions, demand, and the chosen operating mode

#### COREGARD™ ANODE ROD

- Our anode rods have a stainless steel core that extends the life of the anode rod allowing superior tank protection far longer than standard anode rods
- 66 and 80 gallon models have dual anodes for added protection.

#### DRY FIRE PROTECTION

- Control system checks to ensure the tank is full of water during start up to prevent dry firing the heating elements

#### 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

#### OPTIONAL AIR DUCT ADAPTER KIT

- Permits installation in confined spaces

#### SIX YEAR LIMITED WARRANTY

- For complete information, consult written warranty or go to [hotwater.com](http://hotwater.com)

\*Comparing 80-gallon Voltex heat pump against pre-2015 similarly-sized standard electric using DOE EF to UEF conversion rates and \$0.14 per kWh electricity cost. Savings may vary.



| Model Number | Nominal Capacity | Rated Storage Volume | UEF  | First Hour Rating (Gallons) | Dimensions in Inches |    |        |       |        | Approx. Shipping Weight (lbs) | Warranty Term |
|--------------|------------------|----------------------|------|-----------------------------|----------------------|----|--------|-------|--------|-------------------------------|---------------|
|              |                  |                      |      |                             | A                    | B  | C      | D     | E      |                               |               |
| FPTU-50      | 50               | 46                   | 3.35 | 66                          | 63                   | 22 | 40-5/8 | 3-3/4 | 40-1/2 | 196                           | 6             |
| FPTU-66      | 66               | 67                   | 3.42 | 79                          | 61                   | 27 | 38     | 4     | 38     | 289                           | 6             |
| FPTU-80      | 80               | 82                   | 3.45 | 84                          | 69                   | 27 | 46     | 4     | 46     | 307                           | 6             |

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



## 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.

## 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

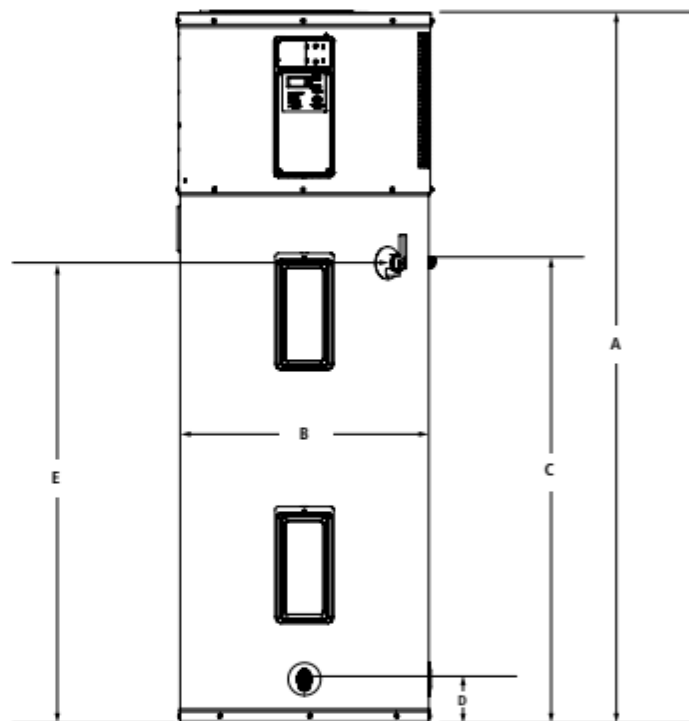
- Utilizes the heat pump or heating element, depending on demand.

## 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.
- Programmable up to 99 days.



## OTHER FEATURES:

- Sacrificial anode to protect against tank corrosion.
- Environmentally-friendly non-CFC foam insulation.
- Durable, enhanced-flow brass drain valve.
- CSA certified and ASME rated temperature & pressure relief valve.
- HUD Compliant

## OPERATING REQUIREMENTS:

- Requires provision for condensate draining; if a suitable drain is not available, a condensate pump is required.
- 208/240 VAC 60Hz single phase 30 amp power supply.