

VOLTEX® HYBRID ELECTRIC HEAT PUMP WATER HEATER WITH CTA-2045

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% generating annual savings up to \$579*. These models are smart grid ready for CTA-2045-A utility communication.

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**

INCREASED ENERGY EFFICIENCY

- Designed for improved efficiency to ensure available hot water at the lowest possible cost
- 3.45 Uniform Energy Factor (UEF)
- ENERGY STAR® qualified

UTILITY SMART GRID READY

- Equipped with a CTA-2045-A (AC) utility communication port
- Participate in a utility demand response program
- Meets Washington State WAC 194-24-180 and similar CTA requirements

CHOICE OF OPERATING MODES

- Select from Efficiency, Hybrid, or Electric modes to match heating requirements to environmental conditions
- Vacation mode reduces operating costs and provides freeze protection during an extended absence

VERSATILE INSTALLATION

- Ideal for basements or garage installations; the compressor transfers heat to the water while dehumidifying and cooling the ambient air
- Optional air duct adapter kit for confined space installations

OTHER FEATURES

- Dual long-lasting backup heating elements provide faster recovery during times of high hot water use
- Integrated Dry Fire Protection ensures the tank is full of water during start up to prevent damage
- Coregard™ anode rod features a stainless steel core for superior tank protection compared to a standard anode rod
- Washable air filter is easily removed for routine cleaning

10-YEAR LIMITED WARRANTY

- For complete information, consult written warranty or go to 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		
HPTU-50CTA	50	46	3.45	66	63	22	40-5/8	3-3/4	40-1/2	196	10
HPTU-66CTA	66	67	3.45	79	61	27	38	4	38	289	10
HPTU-80CTA	80	82	3.45	86	69	27	46	4	46	307	10

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
- Display communicates current status, mode and set point, and displays error messages when applicable

OTHER FEATURES (CONTINUED):

- Easily accessible front mounted junction box
- Environmentally-friendly non-CFC foam insulation
- Durable, enhanced-flow brass drain valve
- CSA-certified and ASME-rated temperature and 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

