

Voltex® HYBRID ELECTRIC HEAT PUMP WATER HEATERS

The Voltex hybrid electric heat pump water heaters from A. O. Smith are a cost effective energy-efficient option available for consumers who want to save money on their electric utility bills.

HOW DO THEY WORK?

- Absorbs 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

FEATURES

INCREASED ENERGY EFFICIENCY

- Improved efficiency design to ensure available hot water at the lowest possible cost
- Up to a 3.24 Energy Factor (EF) Rating conserves energy and exceeds 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 and the last four error messages are saved in the control system memory

OTHER FEATURES

- Ideal for basement installations; the compressor transfers heat to the water while dehumidifying and cooling the ambient air
- Washable air filter is easily removed for routine cleaning

WARRANTY

- 10 year limited tank warranty
- 10 year limited parts warranty

For complete information, consult written warranty or A. O. Smith



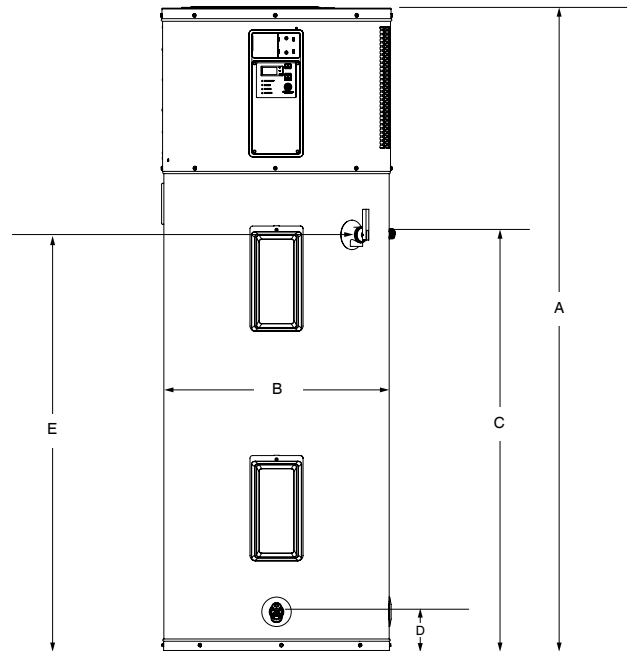
PERFORMANCE

MODEL	SERIES	CAPACITY USG (L)	INPUT		ENERGY FACTOR BY MODE			FIRST HOUR RATING BY MODE GPH (LPH)		
			WATTS UPPER/LOWER	VOLTS	EFFICIENCY	HYBRID	ELECTRIC	EFFICIENCY	HYBRID	ELECTRIC
HPTU-50	120	50 (189)	4500/4500	208/240	3.61	3.24	0.93	44.4 (168)	70 (265)	57.3 (217)
HPTU-66	120	66 (250)	4500/4500	208/240	3.44	3.17	0.92	62.5 (237)	80 (303)	78.6 (298)
HPTU-80	120	80 (303)	4500/4500	208/240	3.27	3.06	0.93	76.3 (289)	95 (360)	90.1 (341)

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

DIMENSIONS & SHIPPING WEIGHT

MODEL	INSTALLATION HEIGHT	TANK DIAMETER	HEIGHT TO UPPER SIDE CONNECTION	HEIGHT TO LOWER SIDE CONNECTION	HEIGHT TO DRAIN VALVE	HEIGHT TO T&P	SHIPPING WEIGHT
	A IN (CM)	B IN (CM)	C IN (CM)	D IN (CM)	D IN (CM)	E IN (CM)	LB (KG)
HPTU-50	63 (160)	22 (56)	40 5/8 (103)	3 3/4 (10)	3 3/4 (10)	40 1/2 (103)	196 (89)
HPTU-66	61 (155)	27 (69)	38 (97)	4 (10)	4 (10)	38 (97)	289 (131)
HPTU-80	69 (175)	27 (69)	46 (117)	4 (10)	4 (10)	46 (117)	307 (139)



EFFICIENCY MODE

- Utilizes the heat pump for all water heating

HYBRID MODE

- Utilizes the heat pump or heating element, depending on demand
- Automatically reverts to heating element if ambient air or water temperatures are outside optimal operating range for heat pump

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
- 2 inch environmentally-friendly non-CFC foam insulation
- Durable, tamper-resistant brass drain valve
- CSA certified and ASME rated temperature & pressure relief valve

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