



COMMERCIAL-GRADE  
RESIDENTIAL ELECTRIC WATER HEATERS

## VOLTEX® AL SMART HYBRID ELECTRIC HEAT PUMP WATER HEATER WITH ANTI-LEAK TECHNOLOGY

The Voltex AL Smart 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 AL combines annual savings of more than \$600 per year\* on utility bills with new leak protection features to support homeowner peace of mind like leak detection and optional automatic water shutoff.

### HOW DO THEY WORK?

Absorb ambient heat from the surrounding air to heat water using a compressor

- Self-contained heat pump unit is integrated into the top of the tank
- Backup electric elements can supplement the heat pump depending on operating mode, environmental conditions and hot water demand

QUALIFIES FOR MANY STATE AND LOCAL UTILITY REBATES -  
CHECK [WWW.HOTWATER.COM](http://WWW.HOTWATER.COM)

### EXCEPTIONAL ENERGY EFFICIENCY

- Improved efficiency up to 3.88 Uniform Energy Factor (UEF) can reduce the cost of water heating by up to 75%\*
- Heat pump can work down to 37°F ambient for more days of high efficiency operation
- ENERGY STAR® certified for many state and local utility rebates

### iCOMM® SMART CONNECTIVITY

- Monitor and control your water heater through the free A. O. Smith app
- Connect through a local Wi-Fi network or directly to the water heater through Bluetooth
- If applicable download the Time of Use schedule of your local electric utility to prioritize heating when the rates are most affordable
- Receive alerts and notifications

### LEAK PROTECTION TECHNOLOGY

- Our Coregard™ Anode Rod have a stainless steel core that extend the life of the anode rod allowing superior tank protection far longer than standard anode rods
- Smart sensor alerts user in the event a leak does occur for added peace of mind
- Compatible with the automatic water shutoff valve for enhanced protection (accessory kit 100345338)
- Notifications through iCOMM function on the A. O. Smith app

### QUIET OPERATION

- Whisper-quiet operation at 45 dBA

### FLEXIBLE DESIGN

- Top and front water connections for easy installation
- Zero clearance required on sides and back to fit in tighter spaces
- Integrated ducting adapters for installations in confined spaces
- Ideal for basements, utility rooms or garage installations; the compressor transfers heat to the water while dehumidifying and cooling the ambient air

### ELECTRONIC CONTROLS

- User-friendly electronic interface allows easy control of temperature, operating mode and diagnostics

### ADVANCED QUALIFICATIONS

- NEEA Tier 4
- California Title 24 JA13 Qualified
- CTA-2045 (AC)
- OpenADR 2.0b VEN
- HUD Compliant

### 10-YEAR LIMITED WARRANTY

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



\*Comparing 80-gallon Voltex AL 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.



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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	F	G		
HPTS-50	50	46	3.80	65	63	22	40.5	3.75	8	43.5	48	196	10
HPTS-66	66	67	3.70	82	61.5	26.5	38.25	4	8	41.25	46	284	10
HPTS-80	80	82	3.88	95	69	26.5	46.5	4	8	50.5	54.5	302	10

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

## MULTIPLE OPERATING MODES

Choose from multiple modes to match water heating needs and environmental conditions

- Hybrid (Default): Hot water delivery balanced with energy saving performance
- Heat Pump: Maximum energy efficiency
- Electric: Uses only the electric heating elements
- Vacation: Reduce energy use while you are away

## iCOMM™ SMART CONNECTIVITY

Download the free A. O. Smith app to get started.



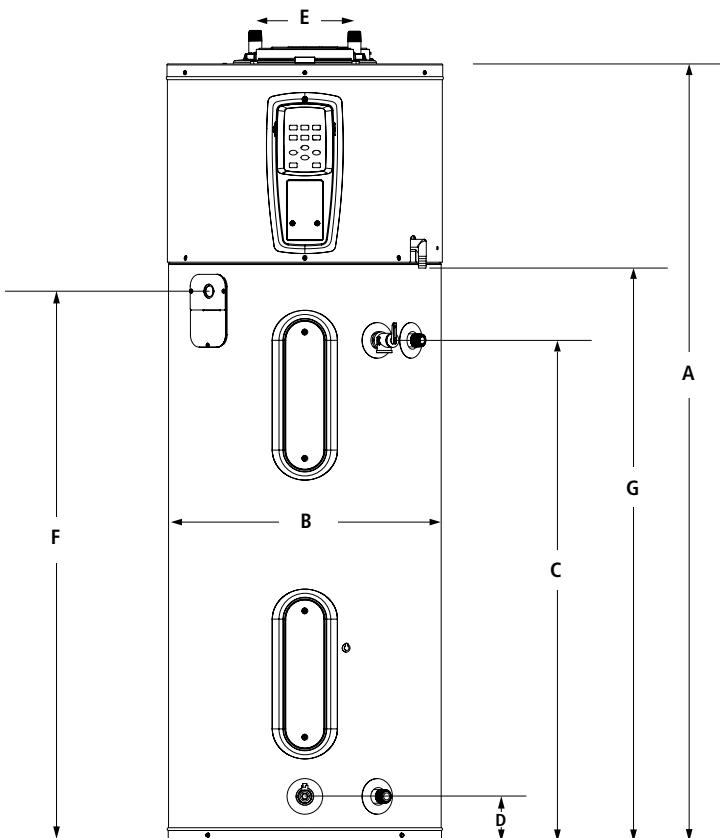
## OTHER FEATURES:

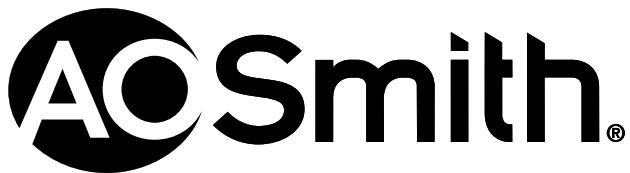
- Easily accessible front mounted junction box
- Environmentally-friendly, non-CFC foam insulation
- Durable, enhanced-flow brass drain valve
- CSA certified and ASME rated temperature & pressure relief valve

## OPERATING REQUIREMENTS:

- Requires provision for non-acidic condensate draining; if a suitable drain is not available a condensate pump is required
- 208/240 VAC 50/60Hz single phase 30 amp power supply

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450 FT<sup>3</sup> ENCLOSED ROOM SIZE IS 35% SMALLER THAN OTHER MANUFACTURERS REQUIRE

<b>Configuration</b>	Enclosed Room	Fully Louvered Door	Upper and Lower Louvers in Door <sup>1,2</sup>
<b>Minimum Space (FT<sup>3</sup>)</b>	450	84	84
<b>Space Example L x W x H (FT)</b>	6 x 7.5 x 10	3 x 2.8 x 10	3 x 2.8 x 10

<b>Configuration</b>	Upper Louver and Undercut Door <sup>1,3,4</sup>	Inlet <b>OR</b> Outlet Ducting and a Single Louver <b>OR</b> Undercut Door <sup>1,3,4,5</sup>	Inlet <b>AND</b> Outlet Ducting <sup>5</sup>
<b>Minimum Space (FT<sup>3</sup>)</b>	84	No minimum space requirement	No minimum space requirement
<b>Space Example L x W x H (FT)</b>	6 x 7.5 x 10		

<sup>1</sup>Minimum louver size is 130 in<sup>2</sup> free area each.

<sup>2</sup>When two louvers are installed, install one louver at the top of the heater and the other close to the floor.

<sup>3</sup>Undercut door should have a minimum of 0.75" clearance. (minimum 18 in<sup>2</sup> air gap)

<sup>4</sup>When one louver is installed, install the louver in a location close to the top of the heater.

<sup>5</sup>This heater supports multiple duct diameters as well as rigid and flex ducting options. See manual for more information.

For Technical Information, call 800-527-1953. A. O. Smith Corporation reserves the right to make product changes or improvements without prior notice.