

## 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 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

### EXCEPTIONAL ENERGY EFFICIENCY

- Improved efficiency up to 4.02 Uniform Energy Factor (UEF) can reduce the cost of water heating by up to 75%\*
- Heat pump can work down to 2°C (37°F) ambient for more days of high efficiency operation
- ENERGY STAR® certified

### 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®
- Receive alerts and notifications

### LEAK PROTECTION TECHNOLOGY

- Smart anode adapts to local water conditions to protect and extend the life of the water heater
- Controls regulate depletion of the anode to extend the life of the anode allowing superior tank protection far longer than standard anode rods
- User is notified when the anode is consumed and needs to be replaced
- Smart sensor alerts user in the event a leak does occur for added peace of mind
- Automatic water shutoff compatible for enhanced protection
- 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

### 10-YEAR LIMITED WARRANTY

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



\*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.

Model	Capacity		UEF	Recovery Rate at 90°F Temperature Rise	First Hour Rating	Dimensions in (cm)							Approx. Shipping Weight
	USG	L		GPH (LPH)	USG (L)	A	B	C	D	E	F	G	lb (kg)
HPTS-50	50	189	3.80	20 (76)	65 (246)	63 (160)	22 (56)	40 ½ (103)	3 ¾ (9.5)	8 (20)	43 ½ (136)	48 (122)	196 (89)
HPTS-66	66	250	3.70	20 (76)	82 (310)	61 ½ (156)	26 ½ (67)	38 ¼ (97)	4 (10)	8 (20)	41 ¼ (105)	46 (115)	284 (129)
HPTS-80	80	303	3.88	20 (76)	95 (360)	69 (175)	26 ½ (67)	46 ½ (118)	4 (10)	8 (20)	50 ½ (128)	54 ½ (138)	302 (137)

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.

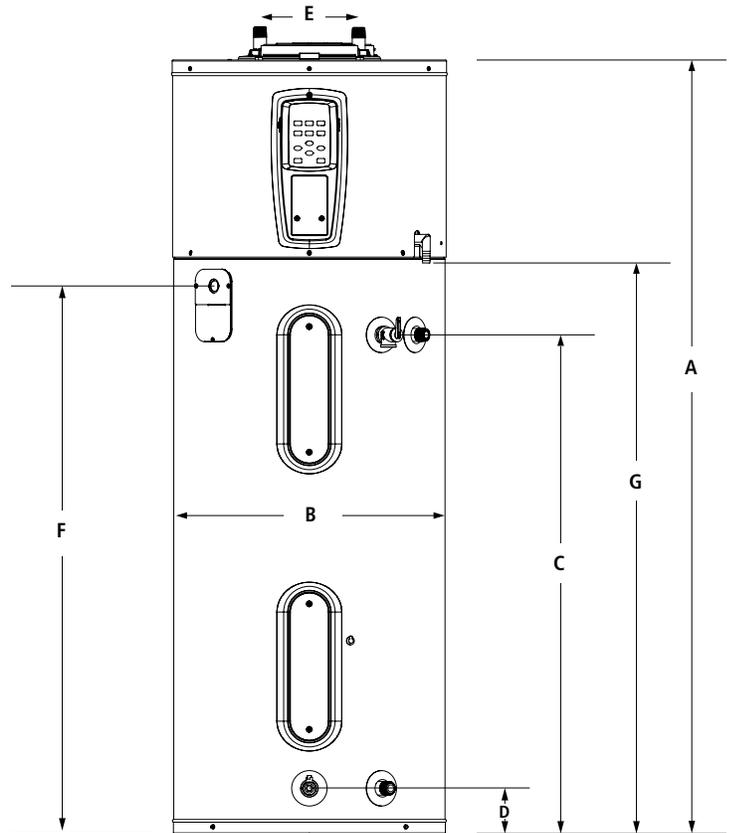


## OTHER FEATURES:

- 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

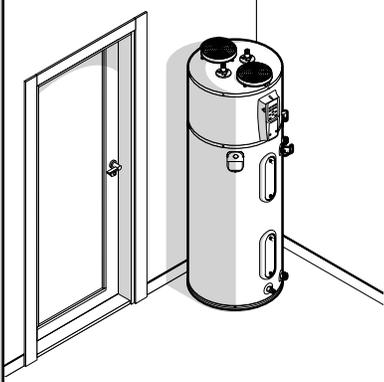
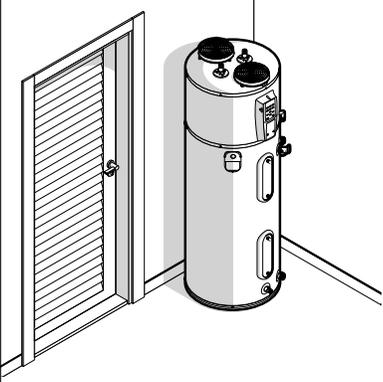
## OPERATING REQUIREMENTS:

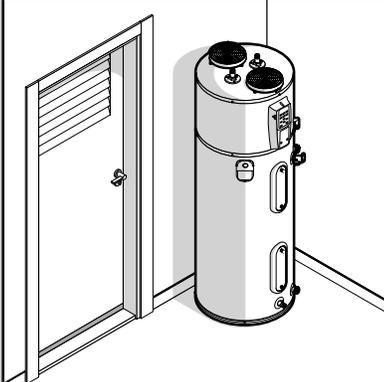
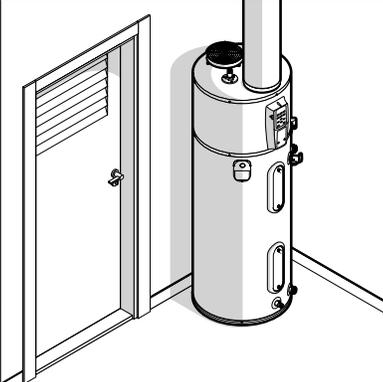
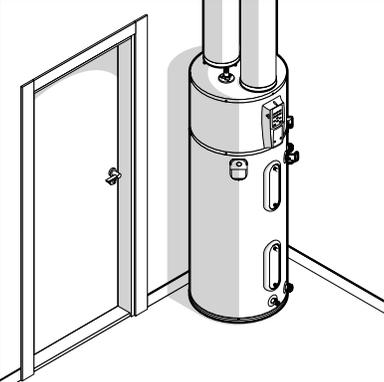
- Requires provision for non-acidic condensate draining; if a suitable drain is not available a condensate pump is required
- 208/240VAC 4500/3380W 50/60 Hz single phase 30 amp power supply



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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.