

VOLTEX® 120V PLUG-IN HYBRID ELECTRIC HEAT PUMP WATER HEATER

The Voltex 120V Plug-In Hybrid Electric heat pump water heater from A. O. Smith makes it easier than ever for consumers to electrify for an energy-efficient option to save money on their utility bills. These models plug into a standard wall outlet for easy installation and provide annual savings up to \$118 on utility bills* compared to a gas water heater. Plus homeowners gain added peace of mind with new leak protection features including leak detection and 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 heating elements provide hot water if the heat pump is unable to operate

QUALIFIES FOR MANY FEDERAL, STATE & LOCAL UTILITY REBATES - CHECK HOTWATER.COM

EASY INSTALLATION

- Simply plugs into a standard 120 volt wall outlet (certified for use on a shared circuit)
- Contractor preferred top water connections for easy replacement of a gas water heater
- 450 ft³ space requirement is lower than other heat pump water heaters (plus there are a variety of options for installation in smaller spaces)
- Zero clearance required on sides and back to fit in tighter spaces
- Integrated ducting adapters for easy installation in confined spaces

WHISPER-QUIET OPERATION AT 45 dBA

- No vibration isolation kit required

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 leak detection and automatic water shutoff for added peace of mind and enhanced protection

EASY TO CONTROL

- Digital control to easily set outlet water temperature
- No manual mixing valve to adjust or service
- Integrated iCOMM™ smart connectivity through Wi-Fi and Bluetooth
- Monitor and control your water heater through the free A. O. Smith app
- If applicable download the Time of Use schedule of your local electric utility to prioritize heating when the rates are most affordable

LOWER GWP REFRIGERANT

- Utilizes R-513A refrigerant for a smaller carbon footprint
- 56% lower global warming potential** than the standard refrigerant used in other residential heat pump water heaters

HIGH EFFICIENCY HEAT PUMP OPERATION

- Up to 3.2 Uniform Energy Factor (UEF) can reduce the cost of water heating by up to 35%*
- Heat pump can work down to 37°F

10-YEAR LIMITED WARRANTY

- For complete information, consult written warranty or go to hotwater.com



*Comparing 66-gallon Voltex 120V heat pump against pre-2015 similarly-sized standard gas water heater using DOE EF to UEF conversion rates \$0.14 per kWh electricity and \$1.21 per therm of natural gas.

**Comparing R-513A (630 GWP) against the most commonly used refrigerant R-134a (1,430 GWP) from the IPCC's fourth Assessment Report (AR4)



COMMERCIAL-GRADE RESIDENTIAL ELECTRIC WATER HEATERS

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		
HPTV-50	50	46	3.0	52	67.75	22	39.5	3.75	8	43.5	196	10
HPTV-66	66	68	3.2	76	61.5	26.5	38.25	4	8	46	289	10
HPTV-80	80	82	3.0	93	69	26.5	46.5	4	8	54.5	307	10

Top T&P option not available.

SIZING RECOMMENDATION FOR EQUIVALENT FIRST HOUR RATING

Voltex 120V Plug-In Heat Pump		Gas Water Heater
Model	Nominal Capacity	Nominal Capacity
HPTV-50	50 gal (52 FHR)	30 gal (50-60 FHR)
HPTV-66	66 gal (76 FHR)	40 gal (60-75 FHR)
HPTV-80	80 gal (93 FHR)	50 gal (80-100 FHR)

Voltex AL is recommended to replace a standard electric water heater or for use in new construction.

ADVANCED QUALIFICATIONS

- NEEA Tier 3
- California Title 24 JA13 Qualified
- ASSE 1082
- CTA-2045 (AC)
- OpenADR 2.0b VEN
- HUD Compliant

OTHER FEATURES:

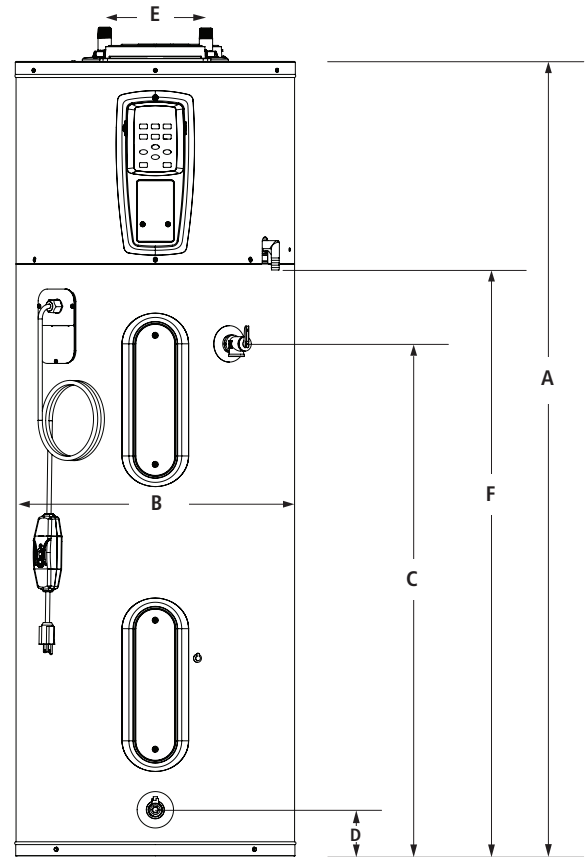
- Environmentally-friendly, non-CFC foam insulation
- Durable, enhanced-flow brass drain valve
- CSA certified and ASME rated temperature & pressure relief valve

OPERATING REQUIREMENTS:

- Requires provision for non-acidic condensate draining; if a suitable drain is not available a condensate pump is required
- 120 VAC 60Hz single phase 15 amp shared circuit

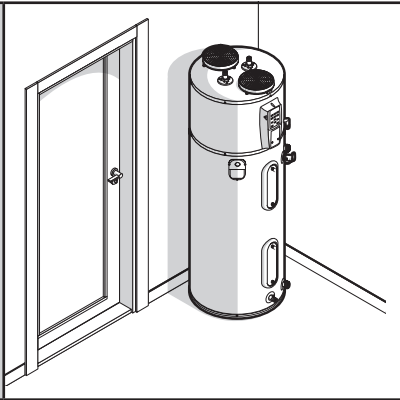
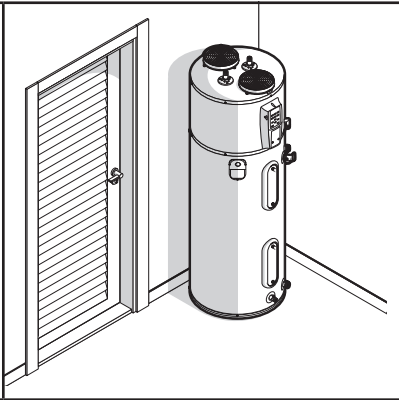

iCOMM™ SMART CONNECTIVITY

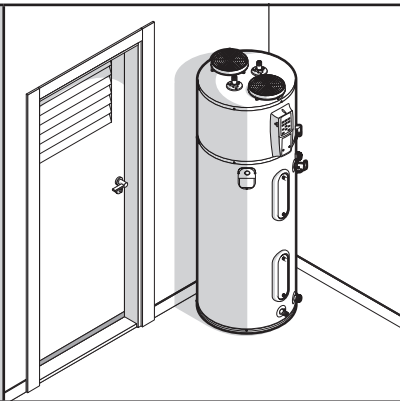
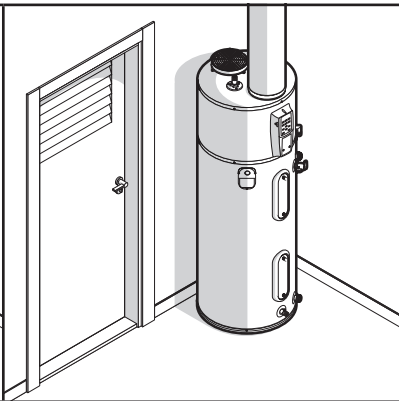
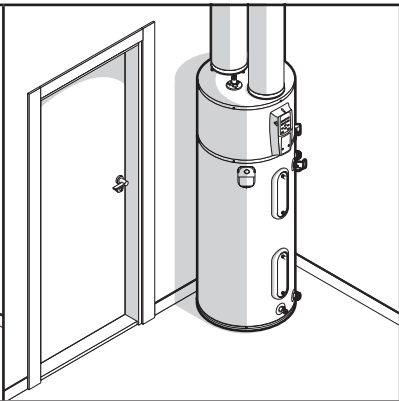
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450 FT³ ENCLOSED ROOM SIZE IS 35% SMALLER THAN OTHER MANUFACTURERS REQUIRE

			
Configuration	Enclosed Room	Fully Louvered Door	Upper and Lower Louvers in Door ^{1,2}
Minimum Space (FT³)	450	84	84
Space Example L x W x H (FT)	6 x 7.5 x 10	3 x 2.8 x 10	3 x 2.8 x 10

			
Configuration	Upper Louver and Undercut Door ^{1,3,4}	Inlet OR Outlet Ducting and a Single Louver OR Undercut Door ^{1,3,4,5}	Inlet AND Outlet Ducting ⁵
Minimum Space (FT³)	84	No minimum space requirement	No minimum space requirement
Space Example L x W x H (FT)	6 x 7.5 x 10		

¹Minimum louver size is 130 in² free area each.

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

³Undercut door should have a minimum of 0.75" clearance. (minimum 18 in² air gap)

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

⁵This 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.