

# HEAT PUMP WATER HEATER vs. STANDARD ELECTRIC

Lower bills. Big rebates. Plenty of hot water. A heat pump water heater is just a smarter choice – see how it stacks up.

WATER HEATER COMPARISON	50-GAL. STANDARD ELECTRIC WATER HEATER	50-GAL. VOLTEX® HEAT PUMP WATER HEATER
<b>ESTIMATED ELECTRIC WATER HEATING COSTS PER MONTH</b>	\$35	\$9.50
<b>ESTIMATED ANNUAL ELECTRIC WATER HEATING COSTS</b>	\$419	\$114
<b>SAVINGS PER YEAR</b>	\$0	\$305
<b>LIFETIME SAVINGS</b> <i>Based on 10-year warranty</i>	\$0	\$3,050
<b>UTILITY REBATES &amp; TAX CREDITS</b>	No	Yes
<b>PAYBACK OF INCREMENTAL COSTS</b>	N/A	3 Years or Less with local Utility incentives. Check <a href="http://www.hotwater.com">www.hotwater.com</a>
<b>WARRANTY</b> <i>Tank and parts</i>	6 Years	10 Years
<b>ENERGY STAR®</b> <i>Meets or exceeds ENERGY STAR specifications for energy efficiency.</i>	No	Yes
<b>UNIFORM ENERGY FACTOR</b> <i>Percentage of energy that is turned into hot water. The higher the number, the more efficient the unit and the less it will cost to operate.</i>	0.93-0.95	3.42
<b>FIRST HOUR RATING</b> <i>Number of gallons of water a fully heated water heater can deliver in the first hour of use.</i>	57-62	66

\* Based on DOE test procedure and Energy Guide comparison of 50-gallon nominal capacity standard electric and A. O. Smith 50 gallon Voltex® heat pump water heaters. Annual energy savings of 2543 kWh/year and average U.S. residential electricity cost of 12 cents/kWh.



# HEAT PUMP WATER HEATER INSTALLATION TIPS

<b>CONDENSATE MANAGEMENT</b>	<b>ABOVE GRADE</b> (e.g., garage)	<b>BELOW GRADE</b> (e.g., basement)
	Sloped to: <ul style="list-style-type: none"> <li>• Outside</li> <li>• Laundry drain</li> </ul>	<ul style="list-style-type: none"> <li>• Pump to outside</li> </ul> Sloped to: <ul style="list-style-type: none"> <li>• Floor drain</li> <li>• Laundry drain</li> </ul>
<b>LOCATION CONSIDERATIONS</b>	<b>ROOMS &gt; 100 SQ FT</b>	<b>ROOMS &lt; 100 SQ FT</b>
	<ul style="list-style-type: none"> <li>• Manufacturer required clearances</li> </ul>	<ul style="list-style-type: none"> <li>• Louvered doors</li> <li>• Venting</li> <li>• Manufacturer required clearances</li> </ul>

## POTENTIAL SUPPLIES

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| <ul style="list-style-type: none"> <li>• PVC pipe and elbows, primer, glue</li> <li>• If flex connect, 3/8 inch flex connect</li> <li>• Condensate pump</li> </ul> | <ul style="list-style-type: none"> <li>• Venting kit / supplies</li> <li>• Seismic strapping</li> <li>• Foam pad</li> </ul> |
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## PRO-TIPS

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| <ul style="list-style-type: none"> <li>• Size product per code and manufacturer specs</li> <li>• Condensate pipes sloped per code</li> <li>• Ensure access for filter cleaning</li> <li>• No need for Teflon tape with flex connects</li> </ul> | <ul style="list-style-type: none"> <li>• Prime and glue all PVC connections</li> <li>• Allow clearance for sacrificial rod</li> <li>• Install noise dampening features as needed</li> </ul> |
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*For more information, visit [Hotwater.com](http://Hotwater.com)*

