

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 in the NW.*

WATER HEATER COMPARISON	50-Gallon standard electric water heater	50-Gallon electric heat pump water heater
ESTIMATED ELECTRIC WATER HEATING COSTS PER MONTH	\$30	\$12
ESTIMATED ANNUAL ELECTRIC WATER HEATING COSTS	\$359	\$142
SAVINGS PER YEAR	\$0	\$217
LIFETIME SAVINGS <i>Based on 10-year warranty</i>	\$0	\$2,168
UTILITY REBATES & TAX CREDITS	No	Yes
PAYBACK OF INCREMENTAL COSTS	N/A	3 Years
WARRANTY <i>Tank and parts</i>	6 Years	Typically 10 Years
ENERGY STAR® <i>Meets or exceeds ENERGY STAR specifications for energy efficiency.</i>	No	Yes
UNIFORM ENERGY FACTOR <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	3.24-3.70
FIRST HOUR RATING <i>Number of gallons of water a fully heated water heater can deliver in the first hour of use.</i>	60-67	66-70
RECOVERY RATE <i>Amount of hot water, measured in gallons, a water heater is capable of providing in 1 hour, assuming 90 degree F increase.</i>	20-22	29

*Northwest savings provided by the Regional Technical Forum based on an average cost of electricity of \$0.101/ kWh and a usage pattern of 2.5 people.

HEAT PUMP WATER HEATER INSTALLATION TIPS

CONDENSATE MANAGEMENT

Above grade (e.g., garage)

- Sloped to:
- Outside
 - Laundry drain

Below grade (e.g., basement)

- Pump to outside
- Sloped to:
- Floor drain
 - Laundry drain

LOCATION CONSIDERATIONS

Rooms > 100 sq ft

- Manufacturer required clearances
- Consider future ducting needs

Rooms < 100 sq ft

- Louvered doors
- Venting
- Manufacturer required clearances

POTENTIAL SUPPLIES

- PVC pipe and elbows, primer, glue
- If flex connect, 36 inch flex connect
- Condensate pump
- Venting kit/supplies
- Seismic strapping
- Foam pad

PRO-TIPS

- Size product per code and manufacturer specs
- Condensate pipes sloped per code
- Ensure access for filter cleaning
- No need for Teflon tape with flex connects
- Prime and glue all PVC connections
- Allow clearance for sacrificial rod
- Install noise dampening features as needed

For more information, visit HotWaterSolutionsNW.org

**HOT
WATER
SOLUTIONS**