Westinghouse

Heat Pump Water Heater

2.8 Uniform Energy Factor (UEF)

2.6 Energy Factor (EF)

EF is the overall efficiency rating of the water heater. The higher the EF the more efficient the model.

Standard Electric Water Heater: 0.95 EF Versus
HTP Heat Pump Water Heater: 2.6 EF
HTP's HPWH has an EF that's more than 2.5 times better than a standard electric water heater.
That's Real Energy savings!!

65 Gal. 1st Hour Rating (Auto Mode)

Easy Installation

Eco Friendly - Zero Emissions

ENERGY STAR

4 Operating Modes: Economy, Auto, Vacation, & Standard

Over Twice the Efficiency of Standard Electric Water Heaters

10 Year Limited Warranty

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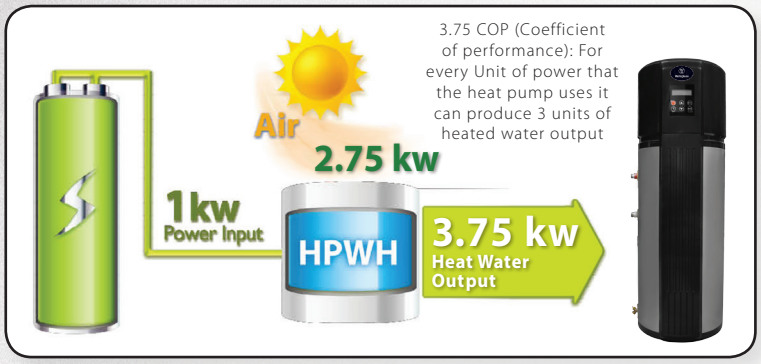
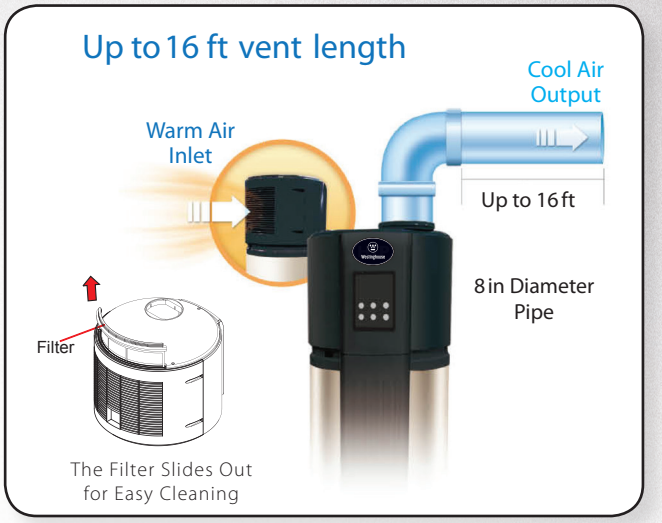
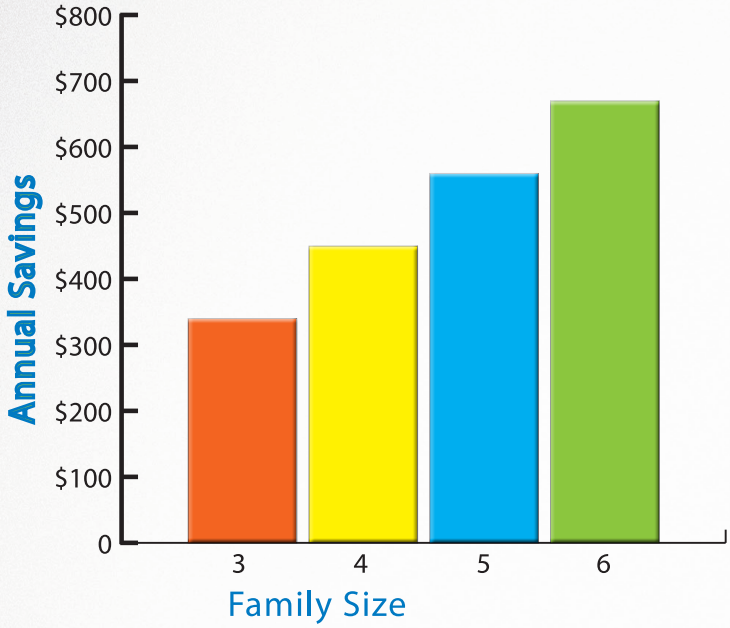
More Bang for Your Buck!



3.75 COP (Coefficient of performance): For every Unit of power that the heat pump uses it can produce 3 units of heated water output

Recycle Conditioned Exhaust Air to Dehumidify or Cool Your Home





How does the heat pump work?

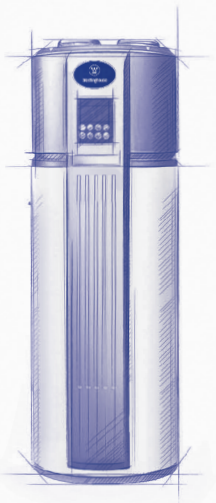
1. A variable speed fan brings in air
2. Heat in the air is absorbed by the refrigerant inside the evaporator coil
3. The warm refrigerant is pumped through a compressor, which raises the temperature even more
4. A condenser coil cradles the tank and transfers heat in to the tank
5. Hot water is produced super efficiently
6. Cooler and dehumidified air is a welcome by-product

Save Money on Cost of Operation

Estimated Homeowner Payback:

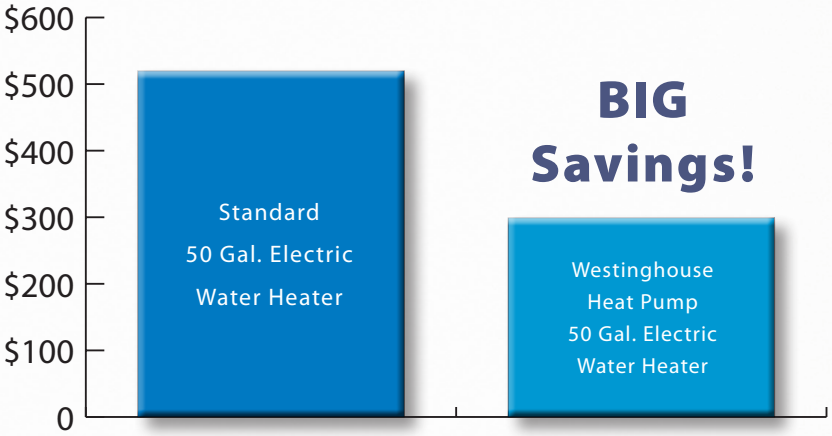
3 YEAR Payback

Payback with the application of tax credits & rebates may also apply



Annual Operating Cost Comparison

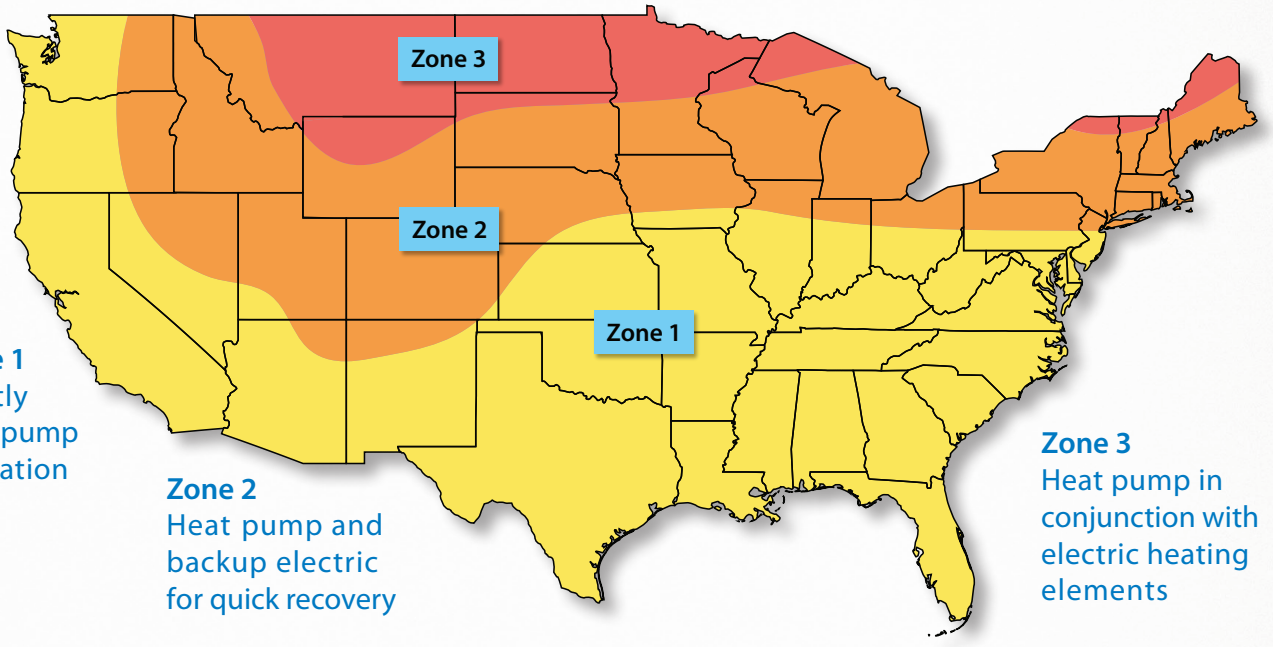
Standard 50 Gal. Electric WH vs Our 50 Gal. Heat Pump WH



BIG Savings!

Hybrid Electric Heat Pump Water Heater			HPWH50H		
Storage Size / Water Tank Volume		Gal (L)	50 (190)		
Power Supply		Ph-V-Hz	1-240/208-60		
Water Connections			3/4" NPT		
Ambient Temp. Operating Range		°F (°C)	-5 to 130 (-21 to 55)		
Physical Properties	Net Dimension (Diameter×H)	in. (mm)	22.5 × 64.5 (568 × 1640)		
	Packing Dimensions (W×H×D)		27.5 × 68.5 × 28.5 (700 × 1740 × 720)		
	Net Weight	lbs. (kg)	213 (96.5)		
	Gross Weight		243 (110.5)		
Outlet Water Temp.	Set Point Range	°F (°C)	100-140 (38-60)		
	Factory Setting		125 (50)		
Operating Modes			Economy	Auto	Electric
Operating Mode Ambient Temp. Range		°F (°C)	45 to 120 (7 to 48)		-5 to 130 (-20 to 55)
Water Heating	Heating Capacity	kW	1.5		4.5
	Max. Power Input		0.8	5.0	
	Ef	-	2.6		-
	FHR	US Gal	60	65.0	60.0
	Heat Pump COP	-	3.75		-
	Max. Current Input	A	6.5	24.0	21.0
	Resistance Elements	kW	4.5		
Branch Wiring	Minimum Circuit Ampacity	Amps	25		
	Over-Current Protection Recommendations		30		
	Copper Wire Size per NEC Table 310.16 (75 deg. C)	AWG	10		
Noise Level		dB(A)	48		
Refrigerant	Type		R134a		
	Charge Quantity	lbs. (kg)	1.8 (0.8)		
	Operating Pressure - High / Low	PSIA	331 / 86 at ambient 70 °F		
Tank Max. Operating Pressure		PSI	150		
Certification	Energy Star		Yes		
	UL				
Cool Air Output		Inches	8" Diameter (up to 16 feet length)		

Save the Most Where Electricity Rates are Highest and Where the Weather is the Warmest



Zone 1
Mostly heat pump operation

Zone 2
Heat pump and backup electric for quick recovery

Zone 3
Heat pump in conjunction with electric heating elements

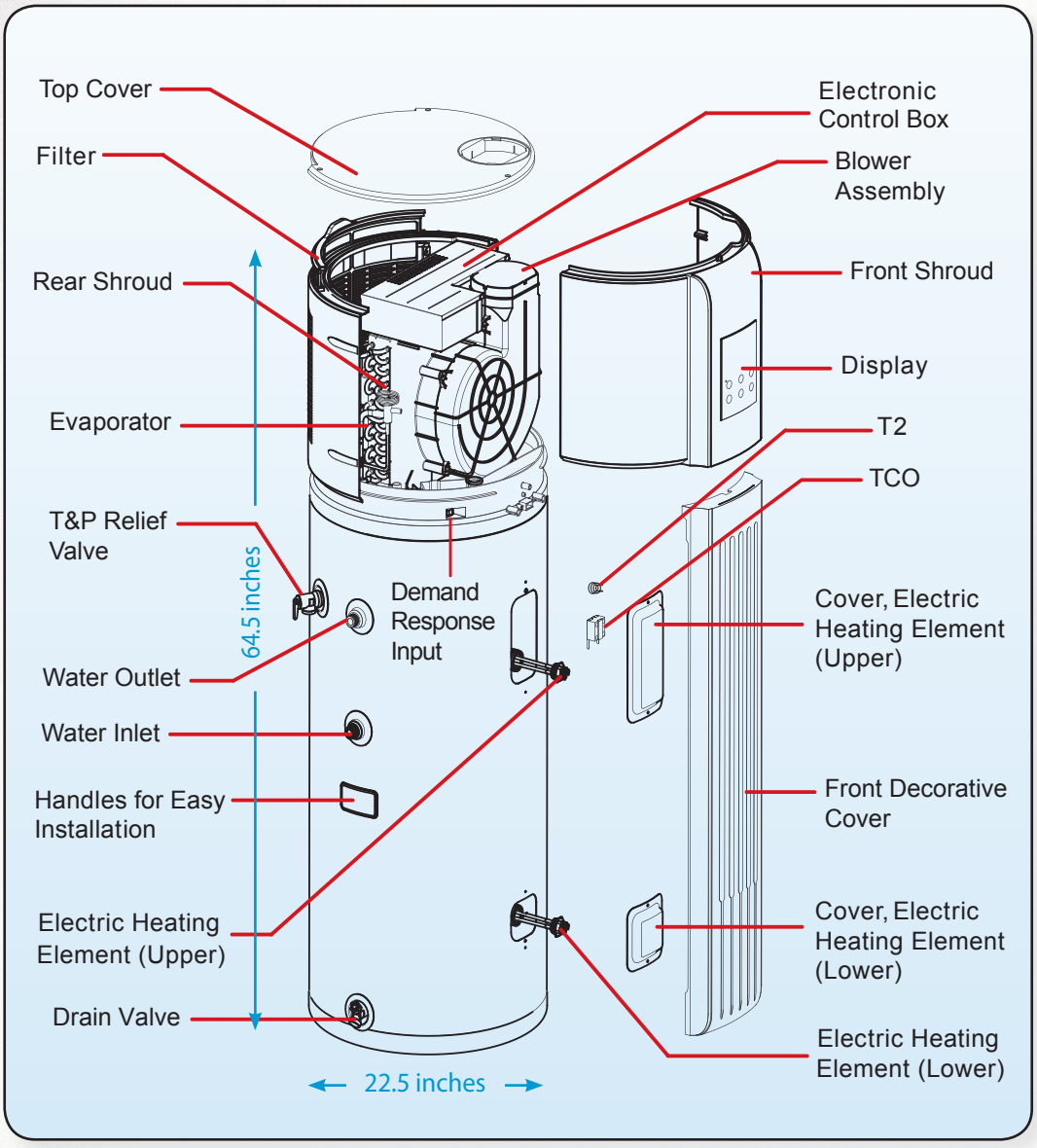
Take Charge of Efficiency with 4 Operating Modes

Economy Mode
The most efficient energy saving mode. The unit extracts energy from surrounding air and delivers it to the stored water. This mode provides an industry leading 2.6 energy factor (EF) with a first hour rating that reaches up to 65 gallons.

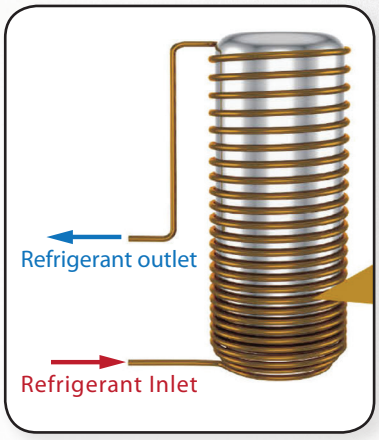
Vacation Mode
Save energy while away by using vacation mode. While in energy mode the unit will drop temperature down to 50°F to save energy and prevent water from freezing. Set the unit from 3 to 99 days away. The unit will automatically turn on one day before you come back, ensuring warm water on your return.

Auto Mode
The unit decide's which mode to achieve optimum efficiency and comfort. Auto mode uses the heat pump as the primary heat source while the standard electrical elements provide a backup heat source when extra recovery is needed

Standard Electric
This mode is used during high load conditions where the unit may need to expand more energy than usual.



The Refrigerant Coil



No Contamination

The refrigerant coil is wrapped around the outside of the tank. This means that there is no contamination potential.