

American Standard®

WATER HEATERS

Residential Line

Residential Electric Heat Pump Water Heaters

Available in 50 Gallon Capacities
Model Number: HPWH50G-AS

American Standard Electric Heat Pump Water Heaters absorb warmth directly from ambient air and automatically transfers heat into the water in the storage tank via a compressor & an environmentally friendly R-134a refrigerant.

— FEATURES —

- **Complies with NAECA Requirements** – Effective April 16, 2015, in accordance with the Federal Energy Conservation Standards and Energy Policy & Conversation Act, (EPCA).
- **260% Efficiency Rating** – Two times more efficient than a traditional residential electric water heater of the same storage volume.
- **Heavy Gauge Steel Tank** – Additional thickness provides extended years of worry-free operation and service.
- **Inner Tank Glass-Lined** – With **Dura-Glas™** & fired at 1600°F for premium protection from the effects of corrosion.
- **Non-CFC Energy-Saving Foam Insulation** – R-24 value insulation reduces energy costs by maximizing heat retention.
- **Magnesium Anode Rod** – Ensures a longer tank life.
- **Reduced Lime Accumulation** – With low watt density screw-in Incoloy elements.
- **LCD Display** – Intuitive, back-lit screen with diagnostics.
- **Operational Modes** – Automatic mode, Economic mode, Electric mode & Vacation mode.
- **Factory Installed Temperature and Pressure Relief Valve**
- **American Standard Residential Electric Heat Pump Water Heaters** – Are certified at 300 PSI test pressure & 150 PSI working pressure. All tanks are 100% hydrostatically tested at the factory.
- **UL Listed & Energy Star Certified** – Uses 14% to 55% less energy, than other equipment meeting the minimum federal standards.
- **AHRI Certified & Qualifies for Federal Energy Efficiency Tax Credit** – for units placed into service by December 2016.
- **Dual Voltage Capable** – 208/240 VAC 60 Hz capable for use in practically any residential installation.
- **Ten Year Limited Warranty** – On inner glass-lined tank & 10 year limited warranty for heat pump component parts.



THESE WATER HEATERS MEET OR EXCEED ASHRAE 90.1B -1992 STANDARDS AND ARE LISTED WITH THE CALIFORNIA ENERGY COMMISSION.

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561 New York Drive, Pomona, California 91768
(800) 900-9063 * (909) 392-0230 * FAX (909) 392-7302

www.americanstandardwaterheaters.com

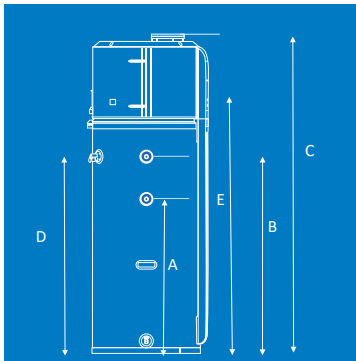
HPWH50G-AS REV 6/16

SPECIFICATIONS AND APPLICATION DATA

ELECTRICAL & COMPONENTS CHARACTERISTICS

Model Number		HPWH50G-AS		
Format			All-in-One	
Running Models			Economy	Auto E-Heater
Running Ambient Temperature		°F/Deg C	45~120 (7-48)	45~120 -5~130 (-20-55)
Outlet Water Temperature		°F/Deg C	Default 125°F, 100°F~140°F (38-60 Default 50)	
Power Supply		Ph-V-Hz	1-208~240-60	
Storage Size/Water Tank Vol. Liters (Gal)		Ltr	190L (50.19 Gal)	
Water Heating	Heating Capacity	kW	1.50	1.50 4.50
	Heating Power Input	kW	0.40	0.40 4.50
	Max. Power Input	kW	0.80	5.00 4.50
	EF		2.6	2.55 0.85
	FHR	US GAL	62.00	65.00 62.00
	Heating Current Input	A	1.80	1.80 21.00
	Starting Current	A	10.20	10.20 21.00
	Max. Current Input	A	6.50	24.00 21.00
	COP (Heating Cap./H. Power Input)	W/W	3.75	3.75 0.90
Ambient Temperature		°F/Deg C	-5~130°F	
Tank Unit	Net Dimension (D×H)	In	22" x 69 5/16"	
	Packing Dimension (W×H×D)	In	27 5/16" x 76" x 27"	
	Net Weight	Lbs	225 Lbs	
	Gross Weight	Lbs	275 Lbs	
	Hot Water Outlet	Lbs	Economy: 8.52 Gal / Hr ; E-Heater: 25.5 Gal / Hr	
	Additional Electrical Heater Capacity	Gal/Hr	4.5	
	Additional Electrical Heater Current	A	21	
Noise Level		dB(A)	48	
Refrigerant Type/Quantity		kg	R134a/0.8	
Refrigerant Design Pressure		PSIA	331/86 at Ambient 70°F	
Tank Design Pressure		PSI	150	
Materials	Tank Outer		Powder Coated	
	Tank Inner		Enamel	
	Split Housing		Powder Coated	
Throttling Type			Electric Expansion Valve	
System Protection			TCO, TDO, PT Valve, High Pressure Protector, Overload Protector Temperature, Electric Leakage Protector, Etc.	
Air Flow		m³/h	370/280/200	
Compressor	Model		H092C6RFAAC2	
	Type		Rotary	
	Brand		Panasonic	
	Input	kW	0.55	
Fan Motor	Model		YDK12-4H	
	Brand		Welling	
	Input	w	30	
	Speed	r/min	970/750/550	
Water Pipeline	Water Inlet Pipe		NPT 3/4	
	Water Outlet Pipe		NPT 3/4	
	Drainage Pipe		NPT 3/4	
	PT Valve Joint		NPT 3/4	
	Maximum Pressure	MPa	1.0	
	Heat Exchanger		Dividing Wall Type Heat Exchanger	
Measurement/ Test Conditions	E-Heater	kW		
	Outdoor Ambient Temperature	°F/Deg C	67.5°F	
	Water Inlet Temperature	°F/Deg C	58°F	
	Water Outlet Temperature	°F/Deg C	135°F	
Certification	AHRI		Yes	
	Energy Star		Yes	
	UL		Yes	
Loading Quantity	20'/40'/40H	Pcs	24/51/51	

GPH Recovery Capacities	Temperature	Watts 4500	
		40°F	46
		50°F	37
		60°F	31
		70°F	26
		80°F	23
		90°F	20
		100°F	18



SPECIFICATIONS					DIMENSIONS IN INCHES					
MODEL NUMBER	GALLON CAPACITY	WATER CONNECTION	R FACTOR	JACKET DIAM.	COLD WATER INLET	HOT WATER OUTLET	TOP OF HEATER	TPR VALVE	TOP OF DISPLAY	APROX. SHIP WGT (LBS)
					A	B	C	D	E	
HPWH50G-AS	50.2	3/4 NPT	24	22"	26 3/4"	40 3/4"	69 5/16"	40 3/4"	57"	255

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