

American Standard[®]
WATER HEATERS

HYBRID

HEAT PUMP WATER HEATER

It's like pulling
energy savings
out of thin air.

- Maximum Savings
- Trusted Quality
- Intelligent Connectivity



HYBRID HEAT PUMP WATER HEATER

PREMIUM EFFICIENCY / PERFORMANCE

- Up to 4.01 UEF and 87 gallon FHR
- Endorsement in incentive scheme (Pacific Coast Tier 4 NEEA) NEEA Tier 3 -B models

DEMAND RESPONSE

- EcoPort certified (CTA 2045/OpenADR) & DR compliant
- Specific SKUs for JA13 (New Construction/Title 24 in California)

LEAKAGE DETECTION FUNCTION*

- Integrated leak sensor and optional shut-off valve
- App notifications

*Leak detection not included on -B models

SMART CONNECTIVITY

- Comfort Link mobile app
- Full offer with Wi-Fi embedded solution
- Remote control / scheduling, energy reports and diagnosis

TOTAL COMFORT AND FULL CONTROL

- I-Memory habit-learning algorithm
- Customizable working modes and auto-learning
- Advanced time scheduling

PEACE OF MIND

- Dual cathodic protection with 1 powered and 1 magnesium anode
- 10-year tank and parts warranty



Model Number:
ASHPWH-65

65 Gallons

Model Number:
ASHPWH-80

80 Gallons

Model Number:
ASHPWH-40

40 Gallons

Model Number:
ASHPWH-50

50 Gallons

Features

- **I-MEMORY** self-learning habit algorithm which will ensure you have hot water when you need it and save energy when you don't.
- **INTEGRATED WI-FI and COMFORT LINK APP** connect to a local inetwork to remotely monitor and control your water heater through our free mobile app.
- **5 UNIQUE OPERATING MODES** to suit all water heating demands. Comfort (default factory mode), Green, Fast, Electric, and Vacation modes.
- **BOOST FUNCTION** allows for a single heat up cycle using the heat pump and elements to decrease recovery time.
- **BUILT IN LEAK DETECTION** with app notifications and optional shut off valve at the inlet to provide peace of mind. (not available on -B models).
- **ECOPORT CERTIFIED** Demand Response ready (CTA-2045/OpenADR).
- **USER-FRIENDLY LCD DISPLAY** screen that allows for easy view of current operational status, parameter changing, and diagnostics.
- **DUAL BACKUP INCOLOY HEATING ELEMENTS**
- **FULL FLOW BRASS DRAIN VALVE** allows easy and quick drainage.
- **TEMPERATURE AND PRESSURE RELIEF VALVE** factory provided and installed.

Comfort for all usage patterns.



COMFORT MODE (Default/Out-of-Box Setting)

Balanced Efficiency and Comfort

In Comfort mode, the water heater reaches set temperature with the rational use of the heat pump and, only if necessary, of the heating element. The priority is given to comfort. DOE Performance testing and published UEF/FHR were tested in Comfort mode.



GREEN MODE

Priority – Energy/Money Savings

In Green mode, the water heater will operate with only the heat pump for each cycle. The heating element will only turn on for back-up or safety functions.



i-MEMORY MODE

Proprietary Habit-Learning Algorithm

In i-Memory mode, a proprietary algorithm is used to reduce energy consumption and maximize comfort by monitoring the hot water needs of the user to optimize the use of the heat pump/heating element.



FAST MODE

Priority – Recovery Time

In Fast mode, the water heater will use both the heat pump and heating elements to reach the tank temperature to reduce recovery times. The efficiency and energy usage will go up while in this mode compared to Comfort, Green, and i-Memory modes.

Recommended only to be used for periods when larger than normal water usage will occur [e.g. guests staying for a long weekend].

*This mode will remain in operation for 72 hours after activation and then the water heater will return to Comfort mode.



ELECTRIC MODE

Just like a Traditional Electric

In Electric mode, the water heater will operate as a standard non-simultaneous electric water heater [no heat pump operation].

*This mode will remain in operation for 72 hours after activation and then the water heater will return to Comfort mode.



BOOST FUNCTION

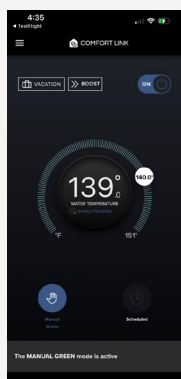
For Faster One-Time Heat-Ups

When activated, the Boost function will use both the heat pump and heating elements to reach the tank temperature to reduce the recovery time. Once the set point is reached, Boost will deactivate and return to the previous working mode.

Recommended only to be used for periods when larger than normal water usage will occur [e.g. guests staying for a long weekend].

The Comfort Link app. Home gets smarter, life gets simpler.

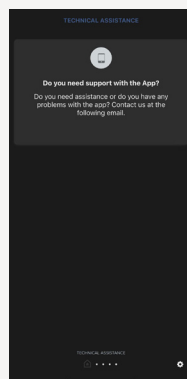
Manage the features and benefits of your water heater anywhere, anytime.



EASY CONTROL

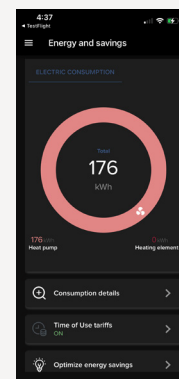
With just a **tap in the app**, you can switch your Hybrid Heat Pump water heater on and off, set a schedule, and change operation modes remotely from your smartphone.

You can also check the **amount of water available anytime** and monitor its temperature level.



PROMPT FEEDBACK

Receive **real-time push notifications** in case of a system failure, so you can immediately solve the issue. Comfort Link also provides detailed information, including error number and description, to facilitate technical assistance and interventions.



ENERGY AWARENESS

Your real-time energy consultant, the Comfort Link app allows you to **monitor your energy consumption** with reports, from daily to annual.

TECHNICAL SPECIFICATIONS

GENERAL SPECS

UEF	Up to 4.01 UEF
First Hour Rating (FHR)	Up to 87 gallons
Voltage & Frequency Phase	208/240 VAC 60Hz single phase
Compressor Avg Power (W)	500 W
Back Up Heating Element (W)	4,500 (X2)
Sound Level	49.1 dB
Dry-Fire Protection	Built in
Operating Air Temp Range	36°F to 120°F
Operating Water Pressure	150psi Max, recommended 30-80psi
Refrigerant	R134a
Certification	NEEA Tier-4 and JA-13; NEEA Tier-3 (-B models)

ELECTRONICS

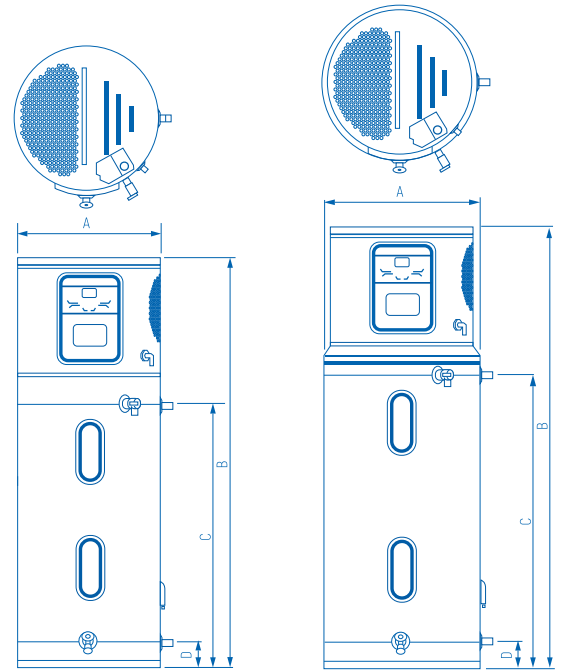
Display Type	LCD with Capacitive Touch
Demand Response	EcoPort Certified (JA-13 Compliant)
Working Modes	Green, I-Memory, Comfort (out of box), Fast, Electric, Vacation, Boost
Wi-Fi	Integrated – COMFORT LINK app available in store for Apple/Android

INSTALLATION

Ducting	Intake/Exhaust Duct Kits Available
Required Circuit Breaker (A)	30
Leak Detection	Built In (leak detection not included with -B models)
Inlet Shut-Off Valve	Optional Accessory

DURABILITY

Anode	Powered and Magnesium
Warranty	10-Year Tank and Parts



40 and 50 GALLON

65 and 80 GALLON

AVAILABLE ACCESSORIES

Model Number	Description	Included or Accessory?
65170399	Leak Detection Sensor	Included*
N/A	Tie-down straps	Included
3629160	Automatic Shut-off Valve	Accessory
3629161	Inlet Duct Adapter	Accessory
3629162	Outlet Duct Adapter	Accessory
3255016	Vibration Isolation Kit	Accessory
3255017	8" UL Certified Termination Kit	Accessory

*Not included on -B models



PRODUCT SPECIFICATIONS

DIMENSIONS IN INCHES

MODEL NUMBER	NOMINAL VOLUME (GAL)	DOE RATED CAPACITY (GAL)	FIRST HOUR RATING (GAL)	UNIFORM ENERGY FACTOR	NEEA TIER RATING	GPH RECOVERY AT 90° RISE	EST. YEARLY ENERGY COST	ELEMENT WATTAGE	COMPRESSOR WATTAGE	ELECTRICAL BREAKER SIZE	SOUND LEVEL	JACKET DIAM A	FLOOR TO					CONDENSATE HOSE SIZE	REC DRAIN PAN DIAMETER (IN)	APPROX. SHIP WEIGHT (LBS)
													TOP OF HEATER B	SIDE T&P C	SIDE COLD D	SIDE HOT C	DRAIN VALVE D			
ASHPWH-40	40	37	66	3.58	4	27	\$127	4,500	500	30	49.1	22 1/2	56 1/2	33 3/4	4 1/4	33 3/4	4 1/4	3/4	24	190
ASHPWH-50	50	45	68	3.75	4	27	\$121	4,500	500	30	49.1	22 1/2	64 1/4	41 1/8	4 1/4	41 1/4	4 1/4	3/4	24	238
ASHPWH-65	65	62	78	3.85	4	27	\$180	4,500	500	30	49.1	24 1/2	69 3/4	41 3/4	4 1/4	41 3/4	4 1/4	3/4	26	271
ASHPWH-80	80	73	87	4.01	4	27	\$173	4,500	500	30	49.1	24 1/2	78 1/4	54 1/4	4 1/4	54 1/4	4 1/4	3/4	26	337
ASHPWH-40-B	40	37	66	3.40	3	27	\$134	4,500	500	30	49.1	22 1/2	56 1/2	33 3/4	4 1/4	33 3/4	4 1/4	3/4	24	190
ASHPWH-50-B	50	45	68	3.49	3	27	\$130	4,500	500	30	49.1	22 1/2	64 1/4	41 1/8	4 1/4	41 1/4	4 1/4	3/4	24	238
ASHPWH-65-B	65	62	79	3.68	3	27	\$189	4,500	500	30	49.1	24 1/2	69 3/4	41 3/4	4 1/4	41 3/4	4 1/4	3/4	26	271
ASHPWH-80-B	80	73	87	3.81	3	27	\$181	4,500	500	30	49.1	24 1/2	78 1/4	54 1/4	4 1/4	54 1/4	4 1/4	3/4	26	337

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