

X OUTDOOR SPLIT HEAT PUMP WATER HEATER

The X Outdoor Split Heat Pump Water Heater from American is the most adaptable option for consumers who want to save money on their utility bills.* The X split system design allows the heat pump and storage tank to be installed in a wide range of space constrained locations. The X utilizes CO₂ refrigerant allowing the unit to work in colder temperatures compared to a standard heat pump water heater and provides annual savings up to \$600.

HOW DO THEY WORK?

- Absorbs ambient heat from the surrounding air to heat water using a compressor
- Water split system for easy installation by plumber (no EPA Section 608- Type II certification required for handling refrigerants - the HP comes pre-charged ready to go)
- Self-contained heat pump unit is separate from the storage tank
- Various tank sizes available to fit in a large range of space constrained environments previously not fit for standard hybrid heat pump

EXCEPTIONAL ENERGY EFFICIENCY

- Improved efficiency up to 3.80 Uniform Energy Factor (UEF) can reduce the cost of water heating by up to 76% compared to standard electric water heaters
- Heat Pump can operate in ambient temperatures down to -25°F and up to 109°F for more days of high efficiency operation
- ENERGY STAR® certified for many state and local utility rebates

SUSTAINABLE REFRIGERATION

- Utilizes CO₂ refrigerant for a smaller carbon footprint
- 99.9% lower global warming potential than the standard refrigerant used in other residential heat pump water heaters

FLEXIBLE CONFIGURATION

- Self-contained heat pump is installed outside
- Up to 66 feet of 1/2 inch water line is piped to storage tank inside
- Tanks are available in a large assortment of sizes and shapes to fit into a variety of space constrained locations
- Ideal for closet, garage, utility room, or basement installation

SMART CONNECTIVITY

- Monitor and control your water heater through the free iCOMM™ App
- Connect through a local Wi-Fi network or directly to the water heater through Bluetooth
- If applicable, download the Time of Use (TOU) schedule of your local electric utility to prioritize heating when the rates are the most affordable
- Receive alerts and notifications

ADVANCED PROTECTION TECHNOLOGY

- Smart sensor leak detection provides early warning and damage prevention
- Built-in freeze defense through heat pump circulation; optional Anti-Freeze Valve Kit available for additional protection during power outages
- Compatible with the automatic water shutoff valve for enhanced protection

10-YEAR LIMITED WARRANTY

- For complete information, consult written warranty or go to americanwaterheater.com

*Comparing 80-gallon X heat pump against pre-2015 similarly-sized standard electric using DOE EF to UEF conversion rates and \$0.14 per kWh electricity cost. Savings may vary.

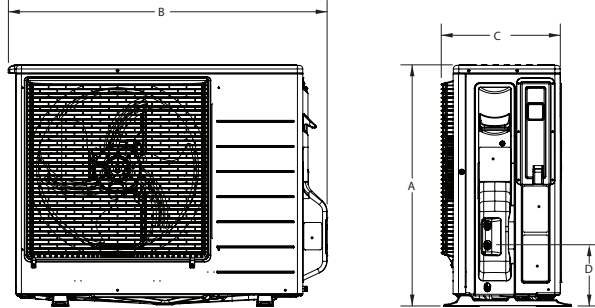




COMMERCIAL-GRADE RESIDENTIAL ELECTRIC WATER HEATERS

HEAT PUMP - A SYSTEM IS A COMBINATION OF HEAT PUMP AND A TANK

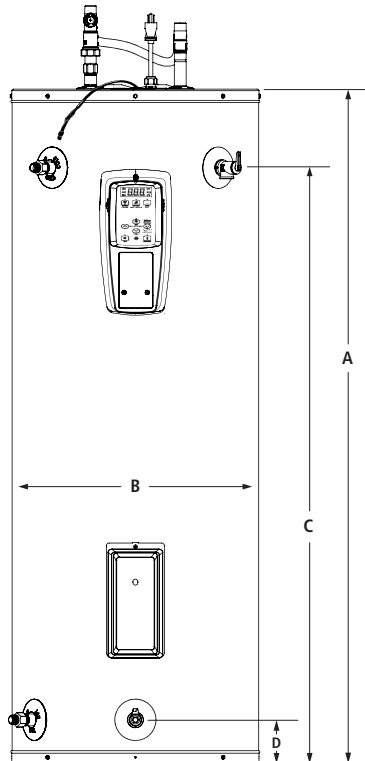
Model Number	Wattage	Dimensions (in.)				Weight (lbs.)	Warranty Term (Years)
		A	B	C	D		
MHPCO-45	4.5 kW	26-1/2	35	14-1/2	6-1/2	114	10



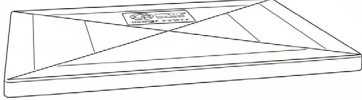
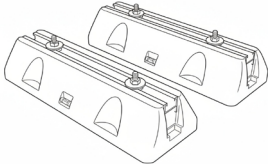
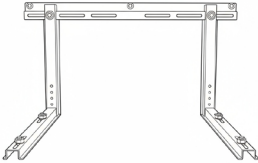

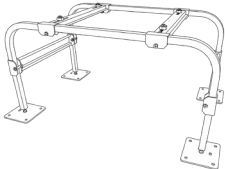
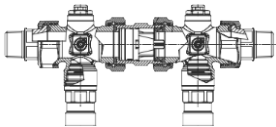
TANK

Model Number	Nominal Capacity	Rated Storage Volume	UEF	First Hour Rating (Gallons)	Dimensions (in.)				Weight (lbs.)	Warranty Term (Years)
					A	B	C	D		
MXST-50LBTP*	50	48	3.55	72	35-7/8	26-1/2	-	3-7/8	158	10
MXST-50S	50	46	3.52	70	48-7/8	22	40-3/4	4	119	10
MXST-50T	50	45	3.52	67	58	20	51-5/8	4	115	10
MXST-66	66	60	3.70	82	60-1/4	22	53-1/4	4	134	10
MXST-80	80	73	3.80	95	60-1/4	24	52-1/8	4	179	10

*Only available in top T&P



ACCESSORY LIST

Model Number	Description	Image
100400748	Plastic Equipment Pad 18in X 38in X 3in	
100400749	Mounting Struts 17.7in	
100400750	Mounting Wall Bracket with Rail, Steel	
100400761	Mounting Roof Bracket	
100400762	Mounting Stand Aluminum 18in	
100394673	Anti-Freeze Valve	

OPERATING MODES

- Heat Pump: Maximum energy efficiency
- Guest: Provides maximum hot water for up to seven days
- Vacation: Reduce energy use while you are away
- Quietest Operation: 40dBA outside; 0dBA inside the home

OPERATING REQUIREMENTS

- 208/240 VAC 60Hz single phase 20 amp power supply required for Heat Pump
- 120 VAC 60Hz single phase 15 amp shared circuit required for Storage Tank

OTHER FEATURES

- Outdoor rated communication cable standard on every unit
- Environmentally-friendly, non-CFC foam insulation
- Durable, enhanced-flow brass drain valve
- CSA certified and ASME rated temperature & pressure relief valve
- Multiple accessories available for customizable installation configurations

iCOMM™ SMART CONNECTIVITY

Download the free app to get started.



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