

ECO-HYBRID HEAT PUMP WATER HEATER

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INDEX

BENEFITS.....	2-3
FEATURES	2-3
INTELLIGENT CONTROL SYSTEM.....	2-2
TECHNICAL DATA	2-3

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ECO-HYBRID HEAT PUMP WATER HEATER

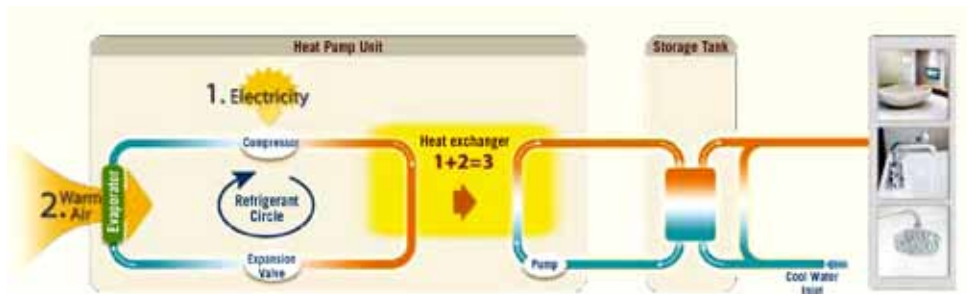
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ECO-HYBRID HEAT PUMP HOT WATER HEATER

The Most Energy Efficient Hot Water Tank Design in Existence

The revolutionary design of the hybrid hot water tank absorbs energy in the air surrounding the tank, concentrates the energy, and injects the heat into the water stored in the tank – instead of expelling it outdoors.

This water heating system is far more energy efficient because most of the energy comes from the vapour compression cycle as opposed to the heat produced by the electric elements. If a backup or extra performance is needed, the unit has two electric heating elements that will turn on automatically as they are required.



Intelligent Control System

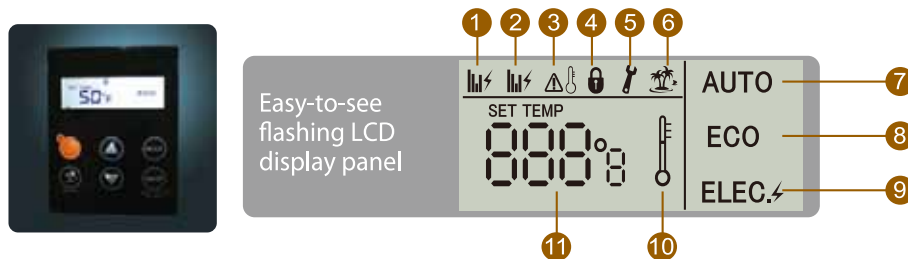
- Takes the guesswork out of hot water settings – precise water temperature can be set with the digital monitoring system.
- Timer function can be set to lower water temperature at night, while on vacation, or any time when hot water is not used – saving even more money.
- Includes built-in safety features such as overheated water warning indicators.
- Program safety lock feature prevents accidental changes to the temperature settings or other program features.
- Heat Pump Mode – Used for best efficiency
- Hybrid Mode – Very efficient with quicker recovery
- Electric Mode – Used as a backup should service be needed



Warranty



Multiple easy-to-use LCD touch pad controls



- 1) Peak load shifting mode 1
- 2) Peak load shifting mode 2
- 3) High temperature setting
- 4) Lock icon
- 5) Alarm icon
- 6) Vacation or Away*
- 7) Auto mode icon
- 8) Economic mode icon
- 9) Electric mode icon
- 10) Water temperature mode icon
- 11) Parameter icon

*For use during times of no water usage, such as a vacation. System will drop the temperature set-point to 50°F to save energy, then will automatically heat water up to previous set temperature upon return.

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BENEFITS

Homeowners

The super efficiency of this hybrid water heater makes it an affordable investment for the homeowner, with payback from 2-5 years. ENERGY STAR® standards with a rating of 2.2 energy factor.

Contractors

Can be installed practically anywhere.* Full replacement for a 50 gallon electric water heater with similar footprint and the same plumbing and electrical connections.

**If room is less than 10' x 10' x 7' (700 cf), there must be a louvered door.*

Builders

The GREEN HYBRID heat pump water heater has some great benefits for builders. It is much more energy efficient than standard heaters and has a classy look. With its easy-to-use LCD control and extra benefits, it is attractive to savvy consumers.

Features

- Energy Efficient: 2.2 EF – Over TWICE the efficiency of standard electrical water heaters
- Typical Payback from 2-5 years (Dependant on kWh rates and water usage)
- Noise Level: 48dB(A) – The quietest Heat Pump Water Heater in the Industry
- First Hour Rating: 56 Gallons
- 2-1/2" Non-CFC Foam Insulation
- Built-in Freeze/Overheat factory protection
- Two 4,000 watt electrical element back-ups
- 3 Operation Modes: Auto, Economic and Electric
- Heat Pump Operating Range: 5°C to 49°C
- Easy Installation – Single trade installation. Full replacement for 50 gallon conventional electric water heater with similar footprint. Use existing electrical hookup. Identical plumbing connections. Easy to add a condensate drain.
- ENERGY STAR® rated
- Easy access, top mounted washable air filter with automatic monitor

STOCK #	MODEL	DESCRIPTION	PRICE
827012	WH50GM	Eco-Hybrid Heat Pump Water Heater	\$4,178.00

NOTE: For Technical Data see end of section.

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TECHNICAL DATA

COMBO TYPE 19L (60 HZ) — MODEL # WH50GM

Unit Capacity	50 gallons
Voltage/Frequency	Single Phase 220-240/60 V/Hz
Circuit breaker	30 A
Electrical consumption (upper and lower element)	4,000 watts each
First hour rating	56 gallons
Energy factor	2.2 hybrid mode
Refrigerant type	R134a
Refrigerant filling weight	0.80 Kg
Compressor brand	Embraco (Model # FFC110HBX)
Sound level	48 dB(A)
Air flow	370/280/220 m ³ h
Ambient temperature	-5°F – 120°F
Water temperature	100°F – 140°F (120°F factory default)
Unit dimensions	64.57" (164 cm) H × 22.36" (56.8 cm) Ø
Packing	25" (63.5 cm) W × 68.5" (174 cm) H × 27.17" (69 cm) D
Net weight	209 lbs (95 kg)
Gross weight	242 lbs (110 kg)

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