

# Residential High Efficiency Electric Water Heater

The Market-Driven Solution to Efficient Electric Water Heating

An  ECR International Brand

## The Watter\$aver Difference

Electric heat pump water heaters (HPWH) have been around for decades, but until now have never made an impact on the market. ECR has designed a fully integrated HPWH... the **Watter\$aver**... that is a drop-in replacement for a typical 50-gallon electric water heater. The heat pump portion is integral to the tank and shipped fully charged. The **Watter\$aver** is easy to install, needing only single trade installation.

Best of all, the **Watter\$aver** achieves performance and payback levels that make it an attractive replacement alternative.

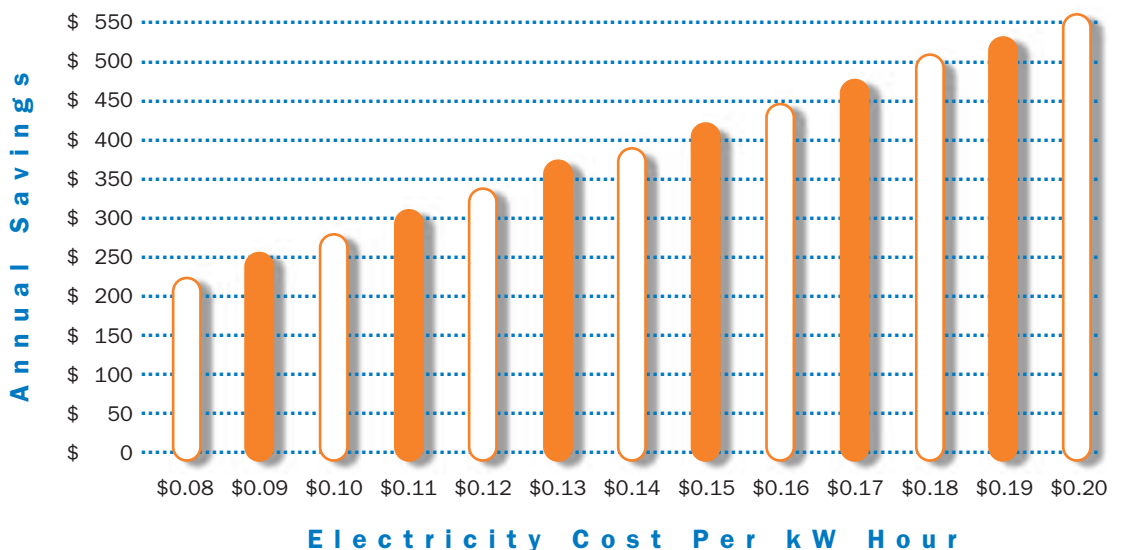
Working with Oak Ridge National Laboratories and the utility industry, ECR has successfully tested the **Watter\$aver** for extensive reliability and endurance.

## The Watter\$aver Opportunity

About half of all domestic water heating is done using electric resistance storage water heaters. The most efficient electric water heaters have an Energy Factor (EF) of .95. By utilizing the heat in the ambient air the **Watter\$aver** attains a much higher EF rating of 2.4, nearly three times as efficient as the most efficient electric water heaters. Due to this efficiency gain the **Watter\$aver** pays for itself within 2 to 5 years.



## Watter\$aver Estimated Annual Savings



Based on 64.3 gallons per day usage (DOE national average), 60°F ambient air temperature and 95% of hot water usage provided by heat pump mode (5% electric resistance mode)

# WATTER\$AVER

The *higher* the electric rate, the *quicker* the payback

# WATTER\$AVER DESIGN FEATURES

- Full “drop-in” replacement for 50 gallon electric water heater with:
  - Same footprint
  - Identical electrical hookup
  - Same plumbing connections
  - Requires a condensate drain
- EF Rating = 2.4
- First hour rating 61.8 gallons
- Nominal Heating Capacity 5100 BTU/Hr.
- Designed for single trade installation.
- Uses refrigeration compressor – robust, proven, inexpensive, and compact, yet sufficient capacity for meeting most water heating demands. Auxiliary 4500 watt electric elements provide quicker recovery when demand requires
- No circulator pumps required
- Heat pump unit shipped fully charged and operational
- Design employs a conventional hot water tank; simply make plumbing connections and electrical hook-ups.
- Can be installed virtually anywhere:
  - Basements    ● Garages
  - Closets        ● Conditioned spaces
- Condensate Management System available
- Quiet Operation
- Typical payback from 2-5 years  
*(dependent upon kWh rates and water usage)*

## ■ Tank and Heat Pump 7-Year Warranty

**The Watter\$aver is available under these ECR International brands:**

- Dunkirk:** ■ Phone: 877.386.5475 ■ Fax: 716.366.1209  
**EMI:** ■ Phone: 800.228.9364 ■ Fax: 800.232.9364  
**Utica:** ■ Phone: 800.325.5479 ■ Fax: 315.797.3762



### Specifications:

- 60 inches tall
- 22 ¼ inches Diameter
- 208/240 VAC
- 50 Gallon Capacity
- 180 pounds
- 30 Amp Circuit Recommended
- Optional 3500 Watt element kit available for use with 20 Amp circuits
- Environmentally friendly refrigerant R-134A



M.E.A. # 267-01-E  
Massachusetts Approval #P1-0804-30

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