



# COMMERCIAL-GRADE

## Residential Electric Water Heaters

### PREMIER® HYBRID ELECTRIC HEAT PUMP WATER HEATER WITH CTA-2045

The Premier® hybrid electric heat pump water heater from State is the most cost effective energy-efficient option available for consumers who want to save money on their utility bills. Premier® can reduce water heating costs up to 73% generating annual savings of \$306 or more. These models are smart grid ready for CTA-2045-A utility communication.

#### HOW DO THEY WORK?

- Absorb ambient heat from the surrounding air to heat water using a compressor and environmentally-friendly R134a refrigerant
  - Self-contained heat pump unit is integrated into the top of the tank
  - Multiple operating modes to maximize efficiency and performance

#### QUALIFIES FOR MANY STATE AND LOCAL UTILITY REBATES CHECK [WWW.DSIREUSA.ORG](http://WWW.DSIREUSA.ORG)

#### INCREASED ENERGY EFFICIENCY

- Designed for improved efficiency to ensure available hot water at the lowest possible cost.
- 3.45 Uniform Energy Factor (UEF)
- ENERGY STAR® qualified

#### UTILITY SMART GRID READY

- Equipped with a CTA-2045-A (AC) utility communication port
- Participate in a utility demand response program
- Meets Washington State WAC 194-24-180 and similar CTA requirements

#### CHOICE OF OPERATING MODES

- Select from Efficiency, Hybrid, or Electric modes to match heating requirements to environmental conditions
- Vacation mode reduces operating costs and provides freeze protection during an extended absence

#### VERSATILE INSTALLATION

- Ideal for basements or garage installations; the compressor transfers heat to the water while dehumidifying and cooling the ambient air
- Optional air duct adapter kit for confined space installations

#### OTHER FEATURES

- Dual long-lasting backup heating elements provide faster recovery during times of high hot water use
- Integrated Dry Fire Protection ensures the tank is full of water during start up to prevent damage
- Coregard™ anode rod features a stainless steel core for superior tank protection compared to a standard anode rod
- Washable air filter is easily removed for routine cleaning

#### 10-YEAR LIMITED WARRANTY

- For complete information, consult written warranty or go to [statewaterheaters.com](http://statewaterheaters.com)



# SOLID. STATE.

| Model Number   | Nominal Capacity | Rated Storage Volume | UEF  | First Hour Rating (Gallons) | Dimensions in Inches |    |        |       |        | Approx. Shipping Weight (lbs) | Warranty Term |
|----------------|------------------|----------------------|------|-----------------------------|----------------------|----|--------|-------|--------|-------------------------------|---------------|
|                |                  |                      |      |                             | A                    | B  | C      | D     | E      |                               |               |
| HPX-50-DHPTCTA | 50               | 46                   | 3.45 | 66                          | 63                   | 22 | 40-5/8 | 3-3/4 | 40-1/2 | 196                           | 10            |
| HPX-66-DHPTCTA | 66               | 67                   | 3.45 | 79                          | 61                   | 27 | 38     | 4     | 38     | 289                           | 10            |
| HPX-80-DHPTCTA | 80               | 82                   | 3.45 | 86                          | 69                   | 27 | 46     | 4     | 46     | 307                           | 10            |

Requires 30 amp breaker.  
 Top T&P option not available.



### ELECTRONIC USER INTERFACE

- User-friendly, easy-to-read display
- LEDs clearly indicate the current operating mode
- Display communicates current status, mode and set point, and displays error messages when applicable

### OTHER FEATURES (CONTINUED):

- Easily accessible front mounted junction box
- Environmentally-friendly non-CFC foam insulation
- Durable, enhanced-flow brass drain valve
- CSA-certified and ASME-rated temperature and pressure relief valve

### OPERATING REQUIREMENTS:

- Requires provision for condensate draining; if a suitable drain is not available, a condensate pump is required
- 208/240 VAC 60Hz single-phase 30 amp power supply

