

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

The hybrid electric heat pump water heater from American is the most cost effective energy-efficient option available for consumers who want to save money on their utility bills. Hybrid 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 [americanwaterheater.com](http://americanwaterheater.com)





# COMMERCIAL-GRADE RESIDENTIAL ELECTRIC WATER HEATERS

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		
HPHE10250H045DVCTA	50	46	3.45	66	63	22	40-5/8	3-3/4	40-1/2	196	10
HPHE10266H045DVCTA	66	67	3.45	79	61	27	38	4	38	289	10
HPHE10280H045DVCTA	80	82	3.45	86	69	27	46	4	46	307	10

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



## ELECTRONIC USER INTERFACE

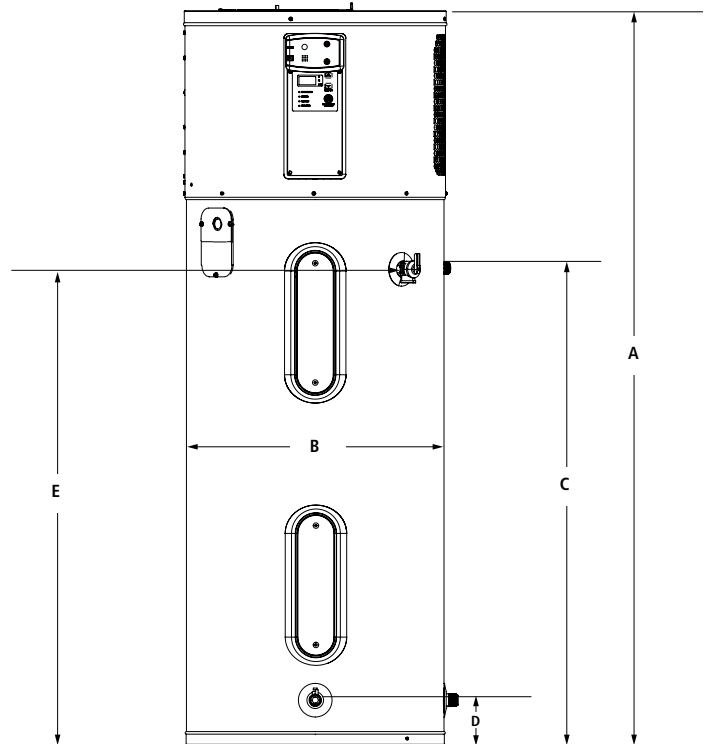
- User-friendly, easy-to-read display
- LEDs clearly indicate the current operating mode
- Display communicates current status, mode and set point, and displays error messages when applicable

## 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



For technical information call (800) 999-9515. American Water Heaters reserves the right to make product changes or improvements without prior notice.