

### ProLine® XE HEAT PUMP

The ProLine® XE heat pump water heaters from A. O. Smith are a cost effective energy-efficient option available for consumers who want to save money on their electric utility bills.

#### HOW DO THEY WORK?

- Absorbs 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

#### INCREASED ENERGY EFFICIENCY

- Improved efficiency design to ensure available hot water at the lowest possible cost
- Up to a 3.45 Uniform Energy Factor (UEF) conserves energy and exceeds ENERGY STAR® qualifications

#### CHOICE OF OPERATING MODES

- Select from Efficiency, Hybrid, or Electric modes to match heating requirements to environmental conditions
- Hybrid mode automatically adjusts between compressor and element, depending upon heat requirements
- Vacation mode reduces operating costs and provides freeze protection during extended absence

#### BACKUP ELECTRIC ELEMENTS

- Long-lasting backup heating elements help heat water according to environmental conditions, demand, and the chosen operating mode

#### COREGARD™ ANODE ROD

- Anode rods have a stainless steel core that extends the life of the anode rod allowing superior tank protection far longer than standard anode rods
- 66 and 80 gallon models have dual anodes for added protection

#### DRY FIRE PROTECTION

- Control system checks to ensure the tank is full of water during start up to prevent dry firing the heating elements

#### ELECTRONIC USER INTERFACE

- User-friendly electronic interface allows easy control of temperature setting, operating mode, and communicates diagnostics
- Easy to read temperature display (see back) shows temperature in °F or °C
- Advanced diagnostics convey error messages for service purposes and the last four error messages are saved in the control system memory

#### COMMERCIAL-GRADE

- ProLine® XE Heat Pump are residential water heaters with commercial grade quality

#### OTHER FEATURES

- Ideal for basement installations; the compressor transfers heat to the water while dehumidifying and cooling the ambient air
- Washable air filter is easily removed for routine cleaning

#### OPTIONAL DUCTING

- Permits installation in confined spaces
- Duct up to 50 feet with air duct adapter kit
- Duct up to 100 feet with air duct adapter and booster fan kits

#### WARRANTY

- 10 year limited tank and parts warranty
- For complete information, consult written warranty or A. O. Smith



## PERFORMANCE

MODEL	SERIES	NOMINAL CAPACITY USG (L)	INPUT		UNIFORM ENERGY FACTOR HYBRID MODE	FIRST HOUR RATING HYBRID MODE USG (L)
			WATTS UPPER/LOWER	VOLTS		
HPTU-50N	130	50 (189)	4500/4500	208/240	3.45	66 (249)
HPTU-66N	130	66 (250)	4500/4500	208/240	3.45	79 (299)
HPTU-80N	130	80 (303)	4500/4500	208/240	3.45	86 (325)

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

## DIMENSIONS & SHIPPING WEIGHT

MODEL	INSTALLATION HEIGHT	TANK DIAMETER	HEIGHT TO UPPER SIDE CONNECTION	HEIGHT TO LOWER SIDE CONNECTION	HEIGHT TO DRAIN VALVE	HEIGHT TO T&P	SHIPPING WEIGHT
	A IN (CM)	B IN (CM)	C IN (CM)	D IN (CM)	D IN (CM)	E IN (CM)	LB (KG)
HPTU-50N	63 (160)	22 (56)	40 5/8 (103)	3 3/4 (10)	3 3/4 (10)	40 1/2 (103)	196 (89)
HPTU-66N	61 (155)	27 (69)	38 (97)	4 (10)	4 (10)	38 (97)	289 (131)
HPTU-80N	69 (175)	27 (69)	46 (117)	4 (10)	4 (10)	46 (117)	307 (139)

## ELECTRONIC USER INTERFACE

- User friendly, easy to read display
- LEDs clearly indicate the current operating mode
- Easily select operating mode:
  - Efficiency
  - Hybrid
  - Electric
  - Vacation
- Display communicates current status, mode and set point, and displays error messages when applicable



## EFFICIENCY MODE

- Utilizes the heat pump for all water heating

## HYBRID MODE

- Automatically reverts to heating element if ambient air or water temperatures are outside optimal operating range for heat pump
- Utilizes the heat pump or heating element, depending on demand

## ELECTRIC MODE

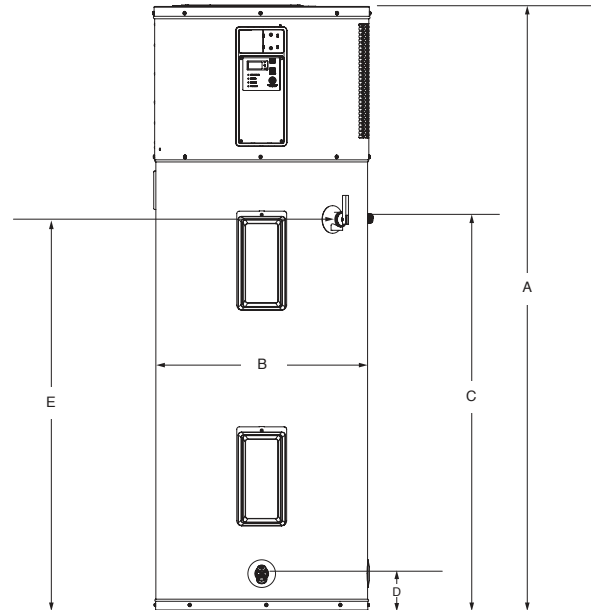
- Standard electric water heater operation

## VACATION MODE

- One touch operation maintains tank temperature of 60°F (15.6°C) during vacation or extended absence to reduce operating costs and provide freeze protection
- Programmable up to 99 days

## OPTIONAL ACCESSORIES

- 100234320 Inlet and Outlet Air Duct Kit
- 100131328 Booster Fan Kit



## OTHER FEATURES:

- Environmentally-friendly non-CFC foam insulation
- Durable, enhanced-flow tamper-resistant brass drain valve
- 51 dBA decibel level during operation
- CSA certified and ASME rated temperature & pressure relief valve

## OPERATING REQUIREMENTS:

- Minimum 700 f<sup>3</sup> (19.8 m<sup>3</sup>) installation space for optimal efficiency
- 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 888-599-2837. A. O. Smith Enterprises Ltd. reserves the right to make product changes or improvements without prior notice.