

RESIDENTIAL WATER HEATERS

Lochinvar's Premium Smart Hybrid Electric Heat Pumpwater heater is up to 4 times more efficient and delivers more hot water than standard electric water heaters with its innovative smart valve technology.

PREMIUM SMART HYBRID ELECTRIC HEAT PUMP

STANDARD FEATURES

HEAT PUMP - Absorbs ambient heat from the surrounding air to heat water using a compressor. The self-contained heat pump is integrated into the top of the tank. Backup electric elements supplement the heat pump depending on operating mode, environmental conditions and hot water demand. Providing improved efficiency up to 3.88 Uniform Energy Factor (UEF), the heat pump works to a low of 37°F ambient for more days of high efficiency operation.

MULTIPLE OPERATING MODES - Choose from multiple modes to match water heating needs and environmental conditions. Three HotWater+ levels to choose from for up to 40% more hot water than a standard heat pump.

- Use Hot Water+ in conjunction with other modes to customize the amount of hot water for daily operations.
- Hybrid (default) delivers hot water balanced with energy saving performance
- Heat Pump provides maximum energy efficiency

Use HotWater+ with temporary modes:

- Guest: Provides maximum hot water for up to seven days
- Electric: Uses only the electric heating elements
- Vacation: Reduce energy use while you are away

LEAK PROTECTION TECHNOLOGY - The smart anode adapts to water conditions, protecting and extending the life of the water heater. Controls regulate depletion of the anode, extending life, while allowing superior tank protection to standard anode rods. Notification is sent when the anode needs to be replaced. The smart sensor leak detection and automatic water shutoff enhance protection and provide peace of mind.

QUIET OPERATION - 45 dBA. (no vibration isolation kit required)

FLEXIBLE DESIGN - Top water connections. Zero clearance required on sides and back to fit smaller spaces. Only 450 ft³ of space required, plus integrated ducting adapters for easy installation in tight spaces.

10-YEAR LIMITED WARRANTY - See written warranty for complete information. Also found on Lochinvar.com.



Qualifies for many state and local utility rebates - check Lochinvar.com



Lochinvar®
HIGH EFFICIENCY BOILERS & WATER HEATERS

DIMENSIONS AND SPECIFICATIONS

PREMIUM SMART RESIDENTIAL HYBRID ELECTRIC HEAT PUMP					DIMENSIONS AND SPECIFICATIONS							
Model Number	Nominal Capacity	Rated Storage Volume	UEF	First Hour Rating (gal.)	A	B	C	D	E	F	G	Approx Ship. Wt. (lbs.)
HPPA040KD	40	36	3.6	55	64-3/4"	20"	41-1/2"	3-3/4"	8"	43-1/2"	46-1/2"	191
HPPA050KD	50	46	3.68	65	63"	22"	40-1/2"	3-3/4"	8"	43-1/2"	48"	196
HPPA065KD	66	68	3.84	83	61-1/2"	26-1/2"	38-1/4"	4"	8"	41-1/4"	46"	284
HPPA080KD	80	81	3.88	95	69"	26-1/2"	46-1/2"	4"	8"	50-1/2"	54-1/2"	302

Top T&P option not available.

ADVANCED QUALIFICATIONS

ASSE 1082
California Title 24 JA13 Qualified
CTA-2045 (AC)
ENERGY STAR®
HUD Compliant
NEEA Tier 4
Open ADR 2.0b VEN
Utility Demand Response Advanced Load-up Capable

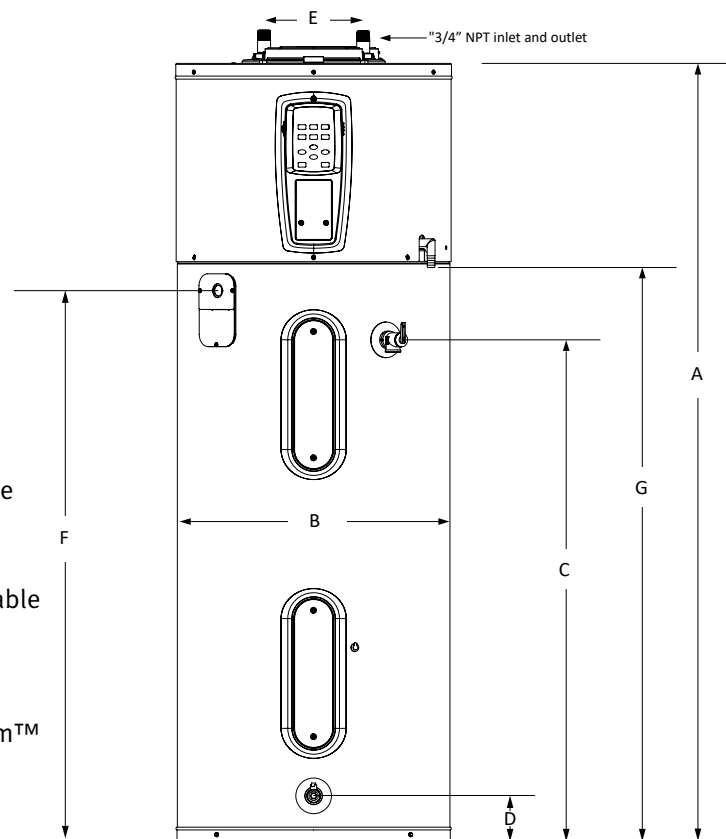
OTHER FEATURES

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

OPERATING REQUIREMENTS

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

iCOMM SMART CONNECTIVITY - Download the free iComm™ app to get started



FOR EASE IN ORDERING BY MODEL NUMBER

HPP	o8o	K	D
Heat Pump	Tank Capacity	Element Wattage	Element Qty.

This is a residential heat pump model that has 81 gallon capacity with two 208/240 V volt elements.

For technical information call 800-722-2101. Lochinvar, LLC reserves the right to make product changes or improvements without prior notice.



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