

PERFORMANCE PLATINUM™



The new degree of comfort®

PERFORMANCE PLATINUM™ Hybrid Electric Heat Pump is the most efficient water heater available

Efficiency

- High 3.83 - 4.07 UEF reduces operating cost
- ENERGY STAR® certified

Performance

- Delivers hot water faster than most standard electric water heaters – 60-87 gallons first-hour delivery, depending on model
- Ambient operating range: 37-145° F is widest in class, offering more heat pump operation annually; designed to meet Northern Climate Spec (Tier 4)
- Quiet Operation

Easy Installation

- Universal top and side water connections
- Quick access to electrical junction box
- Duct ready design
- Easily replaces a standard electric water heater

Integration

- Electronic control for easy temperature adjustment and mode management
- Audible alarm for service alerts



- Built-in Wi-Fi powered by EcoNet®* and free mobile app gives users control over water heater, allowing for customizable temperature, vacation settings, energy savings and system monitoring at home or away.
- Demand Response Ready with built-in EcoPort™ (CTA-2045 Port)
- Easily add leak detection and prevention with the leak sensor and shut-off valve kit (part# SP21265A sold separately)**

Operation Modes

- Energy Saver
- Heat Pump
- High Demand
- Electric
- Vacation/Away: 2-28 days (or placed on hold indefinitely)

Plus...

- Premium grade anode rod extends the life of the tank
- Dip tube diffuser reduces sediment improving efficiency and tank life
- 3/4" NPT water inlet and outlet; 3/4" condensate drain connections
- Incoloy stainless steel resistor elements
- Dry-fire protection
- Easy access, top mounted washable air filter
- 2" Non-CFC foam insulation
- Enhanced flow brass drain valve
- Temperature and pressure relief valve installed
- Design certified to NSF/ANSI 372 (Lead Content)

Warranty

- 10-Year limited warranty for tank and parts, 1-year full in-home labor warranty
See Residential Warranty Certificate for complete information

Units meet or exceed ANSI requirements and have been tested according to D.O.E. procedures. Units meet or exceed the energy efficiency requirements of NAECA, ASHRAE standard 90, ICC Code and all state energy efficiency performance criteria.

* Wi-Fi broadband internet connection required



New! Top Connections and Duct Ready Design

PERFORMANCE PLATINUM Hybrid Electric Heat Pump

40, 50, 65 and 80-Gallon Capacities
208-240 Volt / 1 PH
30 Amp



LEED Points = 3

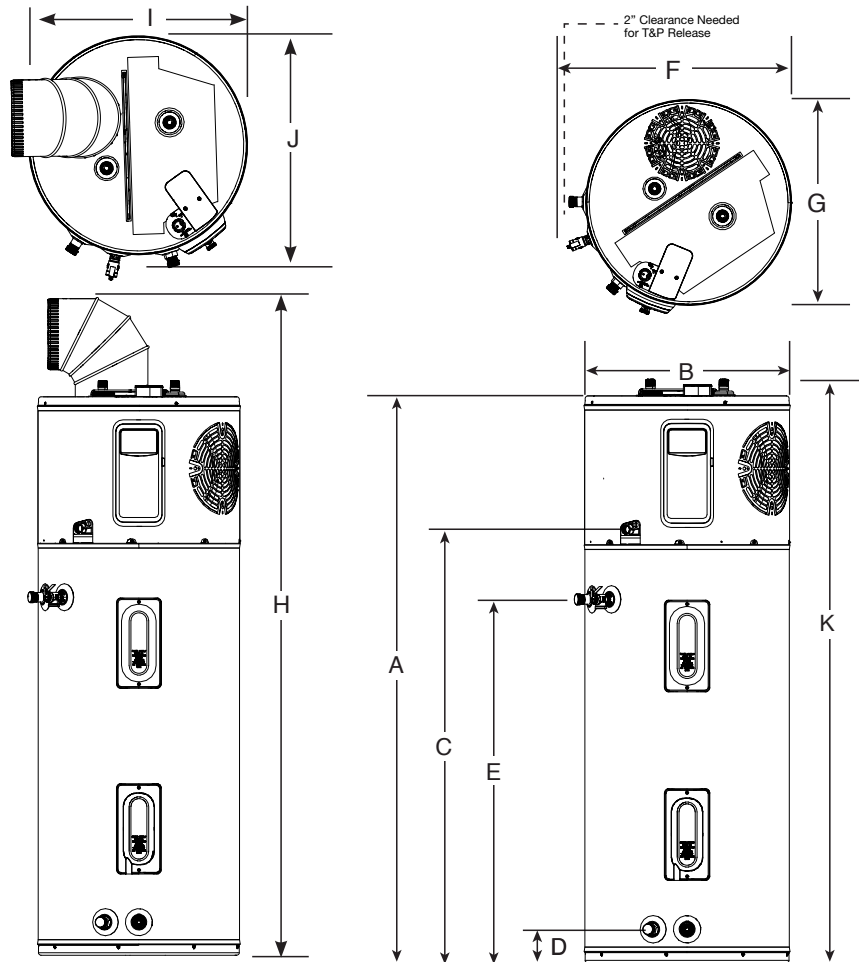
See specifications chart on back.



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PERFORMANCE PLATINUM™ Hybrid Electric Heat Pump Specifications

| Fuel Type | Desc. | Nominal Gallon Cap. | Rated Gallon Cap. | Model Number | Electric Breaker Size | Uniform Energy Factor (UEF) | Element Wattage | Compressor Btu/H | First Hr. Rating (Gallons) | Recovery in G.P.H. 90° F Rise | Tank Height A | Diam. B | Ht. to Cold Inlet & Drain Valve | Ht. to Hot Outlet & T&P | Unit Wt. (LBS.) | Approx. Ship Wt. (LBS.) |
|----------------|-------|---------------------|-------------------|--------------|-----------------------|-----------------------------|-----------------|------------------|----------------------------|-------------------------------|---------------|---------|---------------------------------|-------------------------|-----------------|-------------------------|
| 30 AMPS | | | | | | | | | | | | | | | | |
| Electric | Tall | 40 | 36 | XE40T10H45U1 | 30 | 3.83 | 4,500 | 4200 | 60 | 27 | 63" | 20-1/4" | 3-5/8" | 39-5/8" | 166 | 184 |
| Electric | Tall | 50 | 45 | XE50T10H45U1 | 30 | 3.88 | 4,500 | 4200 | 67 | 27 | 62" | 22-1/4" | 3-5/8" | 39-5/8" | 185 | 203 |
| Electric | Tall | 65 | 59 | XE65T10H45U1 | 30 | 4.05 | 4,500 | 4200 | 76.6 | 27 | 65" | 24-1/4" | 3-7/8" | 42-3/8" | 245 | 289 |
| Electric | Tall | 80 | 72 | XE80T10H45U1 | 30 | 4.07 | 4,500 | 4200 | 87 | 27 | 75" | 24-1/4" | 3-7/8" | 42-3/8" | 261 | 306 |

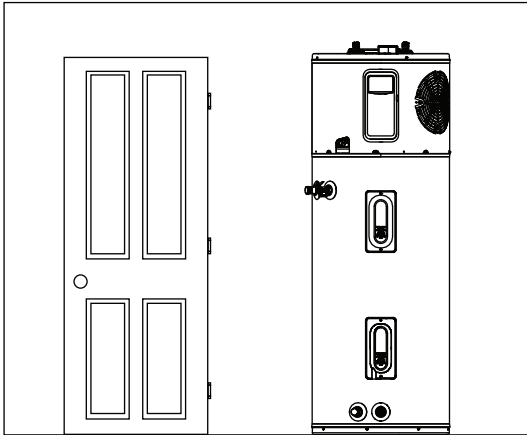


| DESCRIPTION | | DIMENSIONS (SHOWN IN INCHES) | | | | | | | | | | |
|-------------------------|--------------|------------------------------|--------|----|-------|--------|--------|--------|--------|--------|---------|----------|
| NOMINAL GALLON CAPACITY | MODEL NUMBER | A | B | C | D | E | F | G | H | I | J | K |
| 40 | XE40T10H45U1 | 62-5/16 | 20-1/4 | 47 | 3-5/8 | 39-5/8 | 23-3/8 | 20-1/2 | 78-7/8 | 20-1/4 | 23-1/4 | 64-15/16 |
| 50 | XE50T10H45U1 | 61-3/4 | 22-1/4 | 47 | 3-5/8 | 39-5/8 | 25-3/8 | 22-1/2 | 78-5/8 | 22-1/4 | 25-9/16 | 64-3/8 |
| 65 | XE65T10H45U1 | 64-3/16 | 24-1/4 | 49 | 3-7/8 | 42-3/8 | 27-1/2 | 24-5/8 | 81-1/8 | 24-1/4 | 27-3/8 | 66-13/16 |
| 80 | XE80T10H45U1 | 74-3/16 | 24-1/4 | 59 | 3-7/8 | 42-3/8 | 27-1/2 | 24-5/8 | 91 | 24-1/4 | 27-3/8 | 76-13/16 |

Hybrid Electric Heat Pump Water Heater Installation Guidelines to Provide Optimal Efficiency

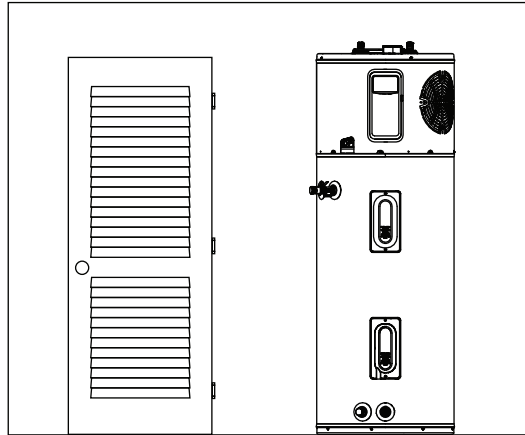
Heater: Not Ducted

Room size: Larger than 700 ft³ (e.g. 7' x 10' x 10').
 Requirements: No additional ventilation needed.



Heater: Not Ducted

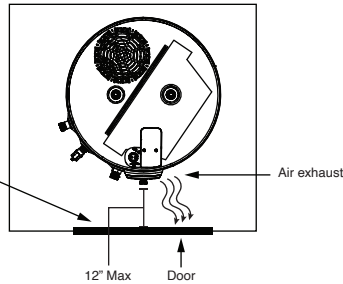
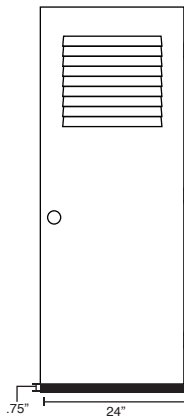
Room size: Smaller than 700 ft³ (e.g. 7' x 10' x 10').
 Requirements: Full louvered door OR two louvers top and bottom. See below.



Heater: Not ducted

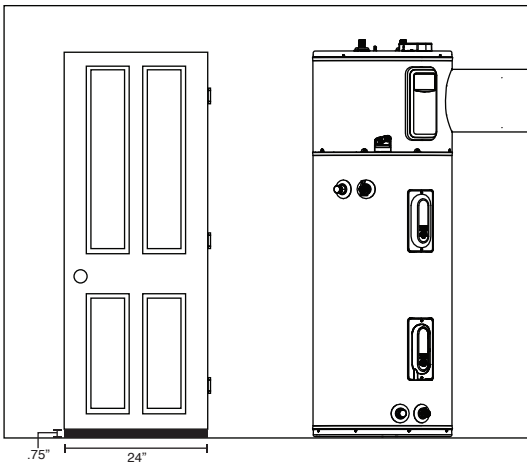
Room: Small Closet

- Requirements: * Air gap under door equal to 18 in² (0.75" clearance).
 * Louver must be located the same height on door as the air exhaust on heater.
 * Heater air exhaust must be positioned towards louver within one foot of door.



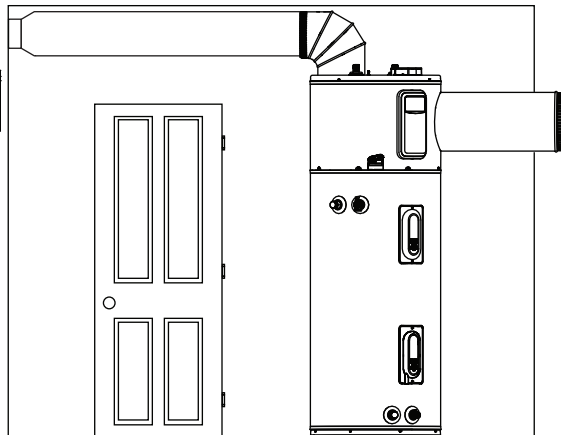
Heater: Ducted with inlet OR outlet duct

Room size: Any size room
 Requirements: Air gap under door equal to 18 in² (0.75" clearance)



Heater: Ducted with inlet AND outlet duct

Room size: Any size room
 Requirements: No additional ventilation needed.



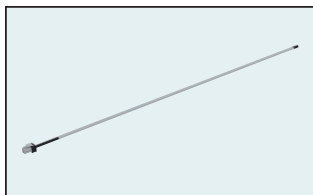
NOTE: Heat pump water heater will operate in rooms less than 700 ft³ down to 450 ft³ but at reduced energy efficiency and reduced performance output. Reduced energy efficiency and performance has not been evaluated by Rheem Manufacturing and not recommended for optimal performance of the unit. When unit is operated in a small enclosure, a door or wall with a minimum of 2.3 sq ft of louvers is recommended to provide proper air changes for unit function.



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Hybrid Electric Heat Pump Accessories List

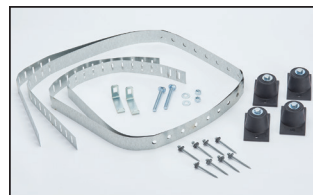
| PART NUMBER | DESCRIPTION | USE FOR |
|--------------------|--|---|
| AP19134 | Leak Sensor | Automatic detection of internal and external leaks |
| AS50618A | Shutoff Valve | Automatic shut off of water supply to unit |
| SP20882 | Earthquake Isolation Kit | Installations in seismic regions |
| SP20883 | Vibration Isolation Kit | Installation on non-concrete floors |
| SP20884 | 8" Diameter UL Certified Termination Kit | Termination to the outside or to the attic with 8" diameter |
| SP20885 | 7" Diameter UL Certified Termination Kit | Termination to the outside or to the attic with 7" diameter |
| SP20886 | 6" Diameter UL Certified Termination Kit | Termination to the outside or to the attic with 6" diameter |
| SP20887 | 5" Diameter UL Certified Termination Kit | Termination to the outside or to the attic with 5" diameter |
| SP20888 | 8" Collar for Flex Venting | Exhaust only to the outside ducting configuration (no inlet duct) |
| SP20889 | 25' Flexible 8" Diameter Duct Kit | For up to 25' of ducting |
| SP20890 | 8" Rigid Elbow Duct Kit | Installation in tight places where space needs to be minimized |
| UPGRADE KIT | | |
| SP21265A | Kit - Automatically Shutoff Valve Assembly | Add leak detector, shutoff valve and S.O.V extension harness for top connection setup |



Leak Sensor



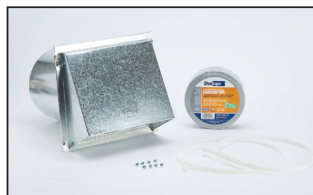
Shutoff Valve



Earthquake Isolation Kit



Vibration Isolation Kit



8" Diameter UL Certified Termination Kit



7" Diameter UL Certified Termination Kit



6" Diameter UL Certified Termination Kit



5" Diameter UL Certified Termination Kit



8" Collar for Flex Venting

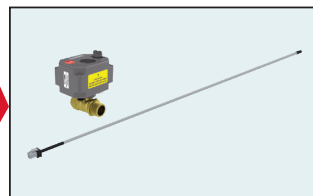


25' Flexible 8" Diameter Duct Kit



8" Rigid Elbow Duct Kit

UPGRADE KIT (for ProTerra models without LeakGuard™ only) – Add leak detector and shutoff valve to protect from water damage



Leak Sensor & Shutoff Valve Kit

In keeping with its policy of continuous progress and product improvement, Rheem reserves the right to make changes without notice.