



The new degree of comfort.®



Residential Electric  
Professional *Prestige ProTerra*  
Hybrid Electric Heat Pump Water Heaters

## Professional *Prestige*® ProTerra® Hybrid Electric Heat Pump with LeakGuard™ is the most efficient water heater available

### Efficiency

- Up to 4.07 UEF reduces operating cost
- ENERGY STAR® certified
- Title 24 Compliant (JA13 Ready)

### Performance

- Delivers hot water faster than most standard electric water heaters
- 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

- LED Screen with built-in water sensor alert with audible alarm<sup>1</sup>
- Built-in Wi-Fi powered by EcoNet<sup>®2</sup> 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)
- **LeakGuard™ leak detection and prevention system** with factory installed 360° leak detection cable and auto shutoff valve (included in box) auto water shut off valve limits leaks to no more than 20 ounces of water<sup>1, 3</sup>

### 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 tank and parts 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.



## Professional *Prestige* ProTerra Hybrid Electric Heat Pump

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



LEED Points = 3

<sup>1</sup>Available with select models. <sup>2</sup>Wi-Fi broadband internet connection required. <sup>3</sup>Source: Rheem Leak-Sensing Data; testing under a vacuum lock using 50-gallon tank, no expansion tank, average tank pressure of 40 psi, assuming no additional faucets are opened.

See specifications chart on next page.

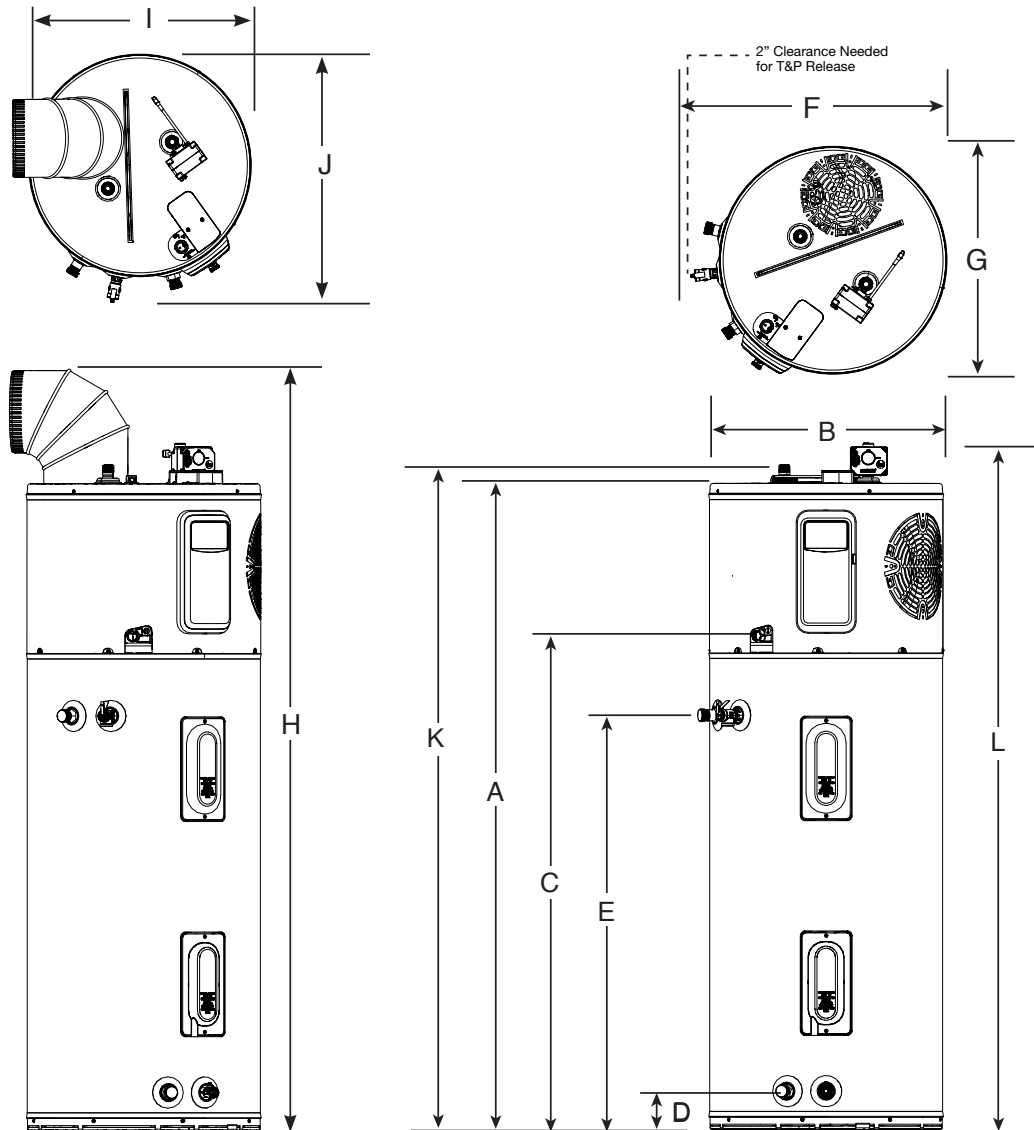


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# Professional *Prestige*® ProTerra Hybrid Electric Heat Pump Specifications

| DESCRIPTION                    |                       |                     |               | ENERGY INFO           |                             | FEATURES         |                             |                              |                 |                    |          | SHIPPING WEIGHTS |                         |
|--------------------------------|-----------------------|---------------------|---------------|-----------------------|-----------------------------|------------------|-----------------------------|------------------------------|-----------------|--------------------|----------|------------------|-------------------------|
| NOMINAL GALLON CAPACITY        | RATED GALLON CAPACITY | MODEL NUMBER        | MODEL VARIANT | ELECTRIC BREAKER SIZE | UNIFORM ENERGY FACTOR (UEF) | COMPRESSOR BTU/H | UEF FIRST HR. RATING G.P.H. | RECOVERY IN G.P.H 90° F RISE | ELEMENT WATTAGE | TOTAL UNIT WATTAGE | MAX AMPS | UNIT WT. (LBS.)  | APPROX. SHIP WT. (LBS.) |
| <b>ProTerra with LeakGuard</b> |                       |                     |               |                       |                             |                  |                             |                              |                 |                    |          |                  |                         |
| 40                             | 36                    | PROPH40 T2 RH400-SO | 702326        | 30                    | 3.83                        | 4,200            | 60                          | 26                           | 4,500           | 5,000              | 21       | 166              | 184                     |
| 50                             | 45                    | PROPH50 T2 RH400-SO | 702330        | 30                    | 3.88                        | 4,200            | 67                          | 27                           | 4,500           | 5,000              | 21       | 185              | 203                     |
| 65                             | 59                    | PROPH65 T2 RH400-SO | 702289        | 30                    | 4.05                        | 4,200            | 76.6                        | 27                           | 4,500           | 5,000              | 21       | 245              | 289                     |
| 80                             | 72                    | PROPH80 T2 RH400-SO | 702287        | 30                    | 4.07                        | 4,200            | 87                          | 27                           | 4,500           | 5,000              | 21       | 261              | 306                     |

Uniform Energy Factor and rated gallon capacity based on Department of Energy (DOE) requirements. All units have integrated Wi-Fi control board.

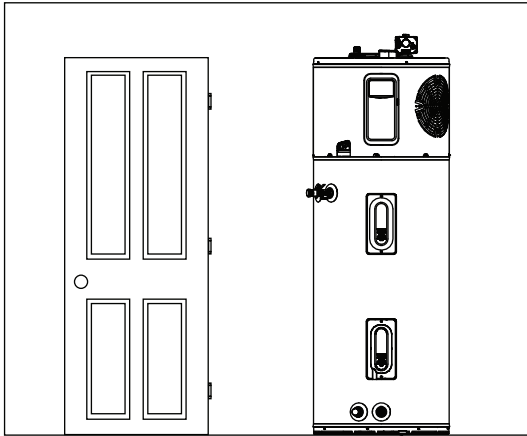


| DESCRIPTION             |              | DIMENSIONS (SHOWN IN INCHES) |        |    |       |        |        |        |        |        |         |          |         |
|-------------------------|--------------|------------------------------|--------|----|-------|--------|--------|--------|--------|--------|---------|----------|---------|
| NOMINAL GALLON CAPACITY | MODEL NUMBER | A                            | B      | C  | D     | E      | F      | G      | H      | I      | J       | K        | L       |
| 40                      | PROPH40      | 62-5/16                      | 20-1/4 | 47 | 3-5/8 | 39-5/8 | 25-3/8 | 20-1/2 | 78-7/8 | 20-1/4 | 23-1/4  | 64-15/16 | 67-7/16 |
| 50                      | PROPH50      | 61-3/4                       | 22-1/4 | 47 | 3-5/8 | 39-5/8 | 27-3/8 | 22-1/2 | 78-5/8 | 22-1/4 | 25-9/16 | 64-3/8   | 66-7/8  |
| 65                      | PROPH65      | 64-3/16                      | 24-1/4 | 49 | 3-7/8 | 42-3/8 | 29-1/2 | 24-5/8 | 81-1/8 | 24-1/4 | 28-1/16 | 66-13/16 | 69-5/16 |
| 80                      | PROPH80      | 74-3/16                      | 24-1/4 | 59 | 3-7/8 | 42-3/8 | 29-1/2 | 24-5/8 | 91     | 24-1/4 | 27-3/8  | 76-13/16 | 79-5/16 |

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

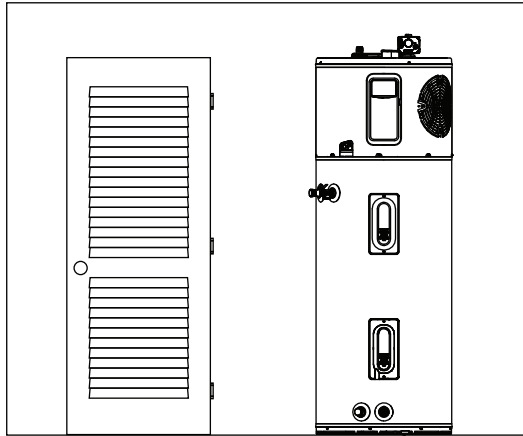
## Heater: Not Ducted

Room size: Larger than 700 ft<sup>3</sup> (e.g. 7' x 10' x 10').  
 Requirements: No additional ventilation needed.



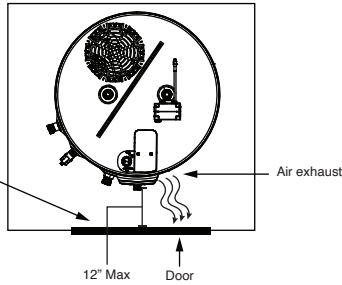
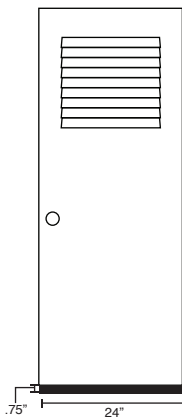
## Heater: Not Ducted

Room size: Smaller than 700 ft<sup>3</sup> (e.g. 7' x 10' x 10').  
 Requirements: Full louvered door OR two louvers top and bottom. See below.



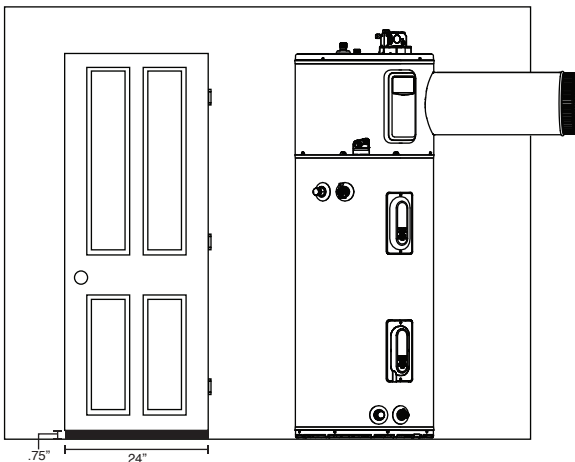
## Heater: Not ducted

Room: Small Closet  
 Requirements: \* Air gap under door equal to 18 in<sup>2</sup> (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.



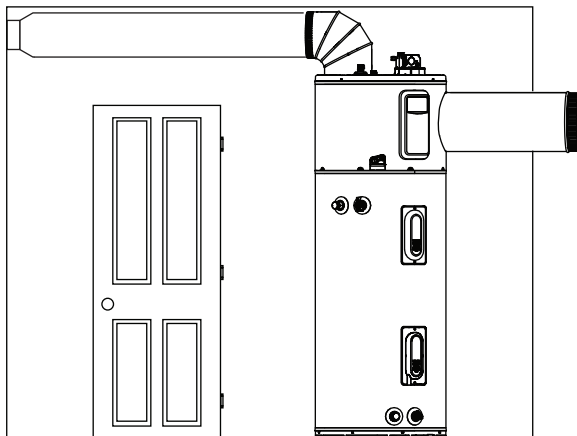
## Heater: Ducted with inlet OR outlet duct

Room size: Any size room  
 Requirements: Air gap under door equal to 18 in<sup>2</sup> (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 ft<sup>3</sup> down to 450 ft<sup>3</sup> 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.



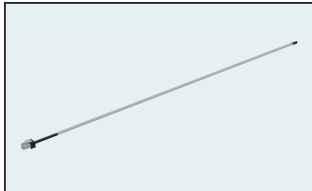
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## Hybrid Electric Heat Pump Accessories List

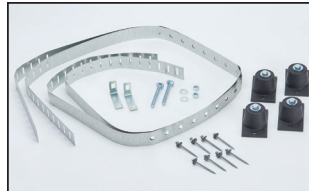
| PART NUMBER | DESCRIPTION                              | USE FOR   |
|-------------|--|---|
| AP19134     | Leak Sensor                              | Automatic detection of internal and external leaks                |
| AS50618A    | Shutoff Valve                            | Automatic shut off of 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    |



Leak Sensor



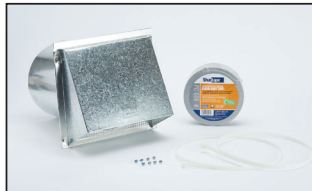
Shutoff Valve



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

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

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