



Hybrid Electric Commercial water heaters are available in 40, 50, 65 and 80-gallon capacities & are the most efficient water heaters available

## Efficiency

- Up to 4.0 UEF reduces operating cost
- ENERGY STAR® rated
- 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 days of HP operation annually; designed to meet Northern Climate Spec (Tier 4)

## Easy Installation

- Easy access side connections
- Quick access to electrical junction box
- Easily replaces a standard electric water heater

## Integration

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



- Integrated EcoNet® WiFi-connected\* technology 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. Visit [Ruud.com/hybridsolutions](http://Ruud.com/hybridsolutions)
- Built-in CTA-2045 Adapter

## Operation Modes

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

## Plus...

- Premium grade anode rod with resistor extends the life of the tank
- 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

- 3-Year limited tank and parts warranty

See Commercial Warranty Certificate for complete information

**Efficiency** | These models have been tested according to DOE test procedures, and exceed the minimum energy factor requirements of current ASHRAE Standards (Part of the federally mandated Energy Policy Act (EPAct)). Also exceeds energy efficiency codes of all states including California Energy Commission (CEC).

**Safety and Construction** | Safety and Construction: These products are design certified by Underwriters Laboratories (UL) as electric storage tank water heaters. All models are North Carolina and Massachusetts Code compliant. **Certified for a 150 PSI Maximum Working Pressure.**



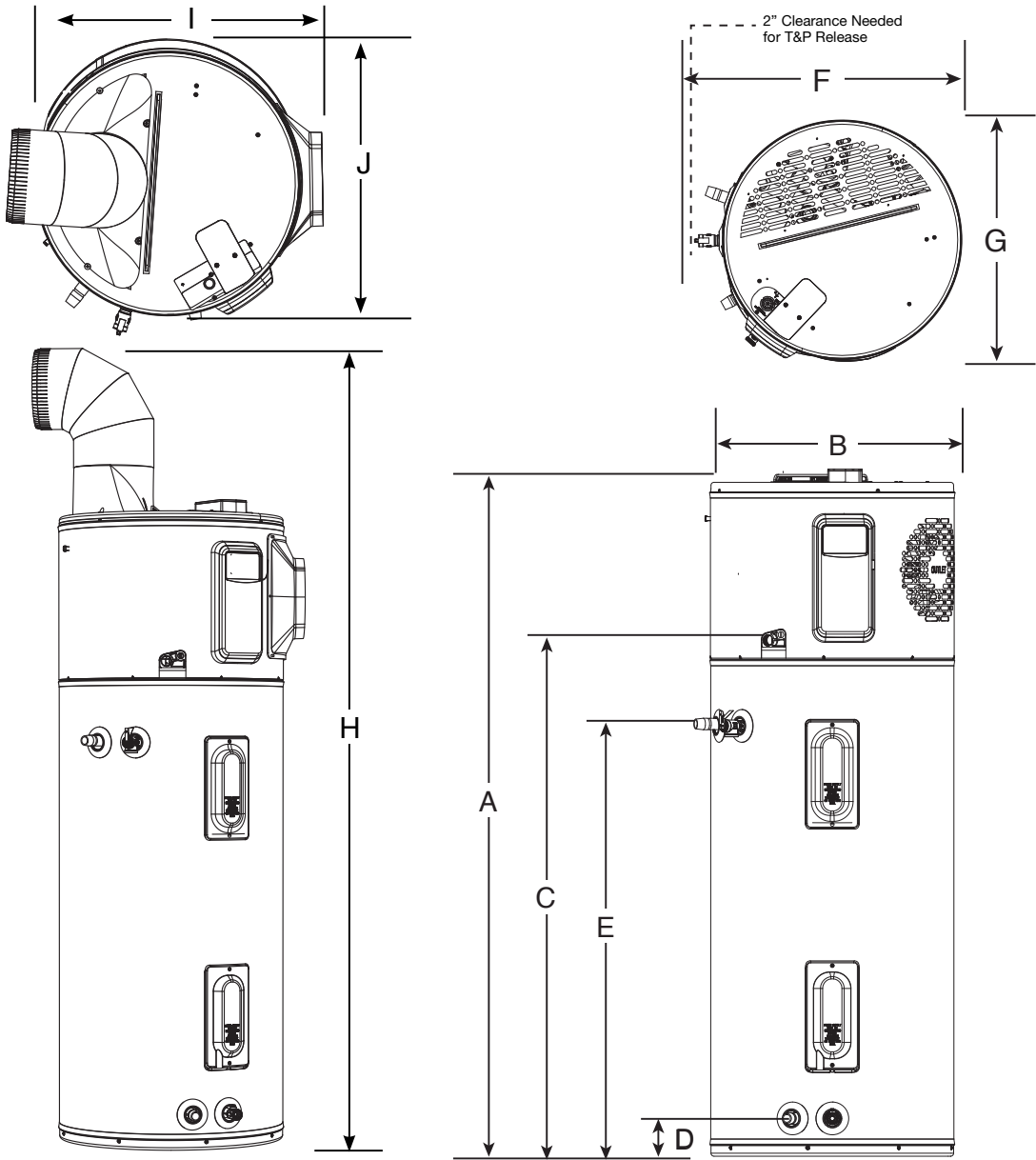
**Ruud Commercial  
Electric Hybrid**  
40, 50, 65 & 80-Gallon Capacities  
208-240 Volt / 1 PH  
Electric



Specifications

DESCRIPTION					ENERGY INFO		FEATURES						SHIPPING WEIGHTS	
NOMINAL GALLON CAPACITY	RATED GALLON CAPACITY	MODEL NUMBER	MODEL VARIANT	ELECTRIC BREAKER SIZE	UNIFORM ENERGY FACTOR (UEF)	EST. YEARLY ENERGY COST	COMPRESSOR BTU/H	FIRST HR. RATING (GALLONS)	RECOVERY IN G.P.H 90° F RISE	ELEMENT WATTAGE	TOTAL UNIT WATTAGE	MAX AMPS	UNIT WT. (LBS.)	APPROX. SHIP WT. (LBS.)
40	36	HPLD40-1RU	701445	30	3.75	\$104	4,200	60	27	4,500	5,000	21	157	174
50	45	HPLD50-1RU	701444	30	3.75	\$104	4,200	67	27	4,500	5,000	21	178	218
65	59	HPLD65-1RU	701446	30	3.85	\$155	4,200	75	27	4,500	5,000	21	225	262
80	72	HPLD80-1RU	701447	30	4.00	\$149	4,200	87	27	4,500	5,000	21	244	281

Estimated energy cost based on a national average electricity cost of \$0.12 /kWh. Uniform Energy Factor and rated gallon capacity based on Department of Energy (DOE) requirements. All units have integrated WiFi control board.

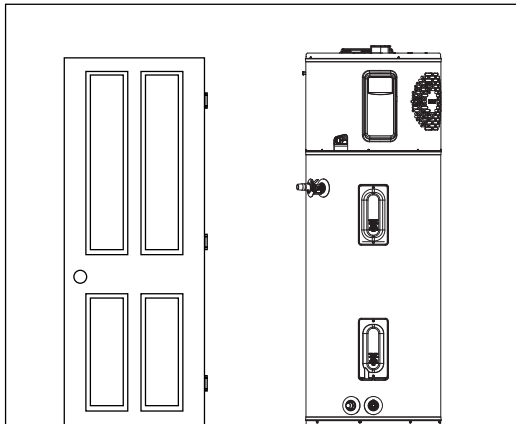


DESCRIPTION		DIMENSIONS (SHOWN IN INCHES)									
NOMINAL GALLON CAPACITY	MODEL NUMBER	A	B	C	D	E	F	G	H	I	J
40	HPLD40-1RU	62-5/16	20-1/4	47	3-5/8	39-5/8	23-3/8	20-1/2	78-7/8	22-3/8	23-1/4
50	HPLD50-1RU	61-3/4	22-1/4	47	3-5/8	39-5/8	25-3/8	22-1/2	78-5/8	24-3/8	25-9/16
65	HPLD65-1RU	64-3/16	24-1/4	49	3-7/8	42-3/8	27-1/2	24-5/8	81-1/8	26-1/2	27-3/8
80	HPLD80-1RU	74-3/16	24-1/4	59	3-7/8	42-3/8	27-1/2	24-5/8	91	26-1/2	27-3/8

## Hybrid Water Heater Installation Guidelines to Provide Optimal Efficiency

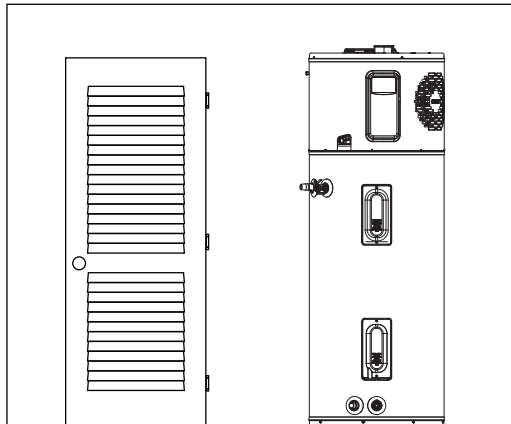
### Heater: Not Ducted

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.



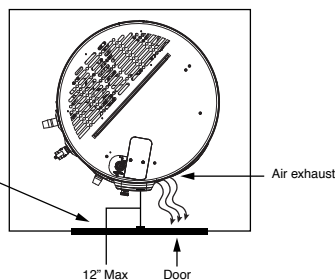
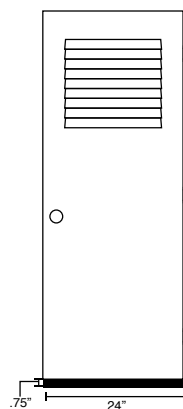
### Heater: Not ducted

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.

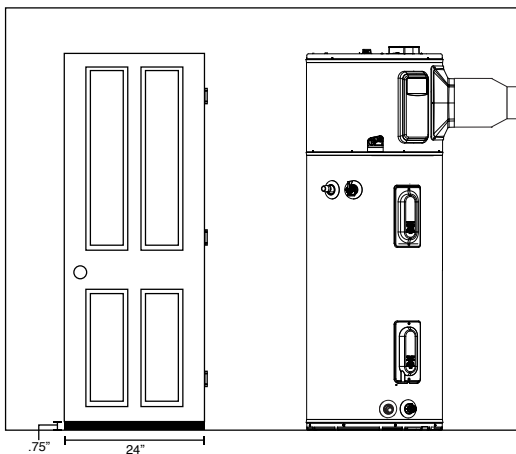
\* Heater air exhaust must be positioned towards louver within one foot of door.



### Heater: Ducted with inlet OR outlet duct

Room size: Any size room

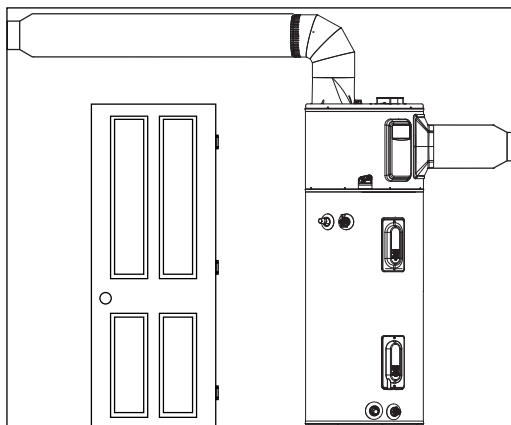
Requirements: Air gap under door equal to 18 in<sup>2</sup> (0.75" clearance)



### Heater: Ducted with inlet AND outlet duct

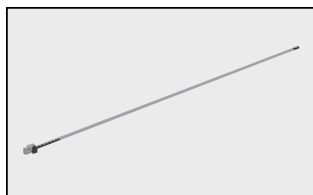
Room size: Any size room

Requirements: No additional ventilation needed.



## Hybrid Accessories List

DESCRIPTION	USE FOR
Leak Sensor	Automatic detection of internal and external leaks
Shutoff Valve	Automatic shut off of water supply to unit
Inlet Duct Adapter	Allows for ducting to be connected on the top inlet
Outlet Duct Adapter	Allows for ducting to be connected to the unit
Earthquake Isolation Kit	Installations in seismic regions
Vibration Isolation Kit	Installation on non-concrete floors
8" Diameter UL Certified Termination Kit	Termination to the outside or to the attic with 8" diameter
7" Diameter UL Certified Termination Kit	Termination to the outside or to the attic with 7" diameter
6" Diameter UL Certified Termination Kit	Termination to the outside or to the attic with 6" diameter
5" Diameter UL Certified Termination Kit	Termination to the outside or to the attic with 5" diameter
8" Ruud Approved Damper Kit	Exhaust only to the outside ducting configuration (no inlet duct)
25' Flexible 8" Diameter Duct Kit	For up to 25' of ducting
Rigid Elbow Duct Kit	Installation in tight places where space needs to be minimized
<b>UPGRADE KIT</b>	
Leak Sensor & Shutoff Valve Kit	Add leak detector and shutoff valve to protect from water damage



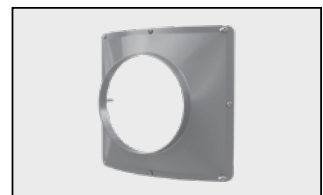
Leak Sensor



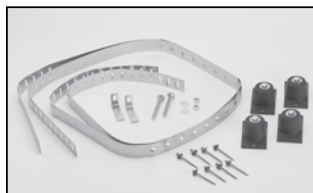
Shutoff Valve



Inlet Duct Adapter



Outlet Duct Adapter



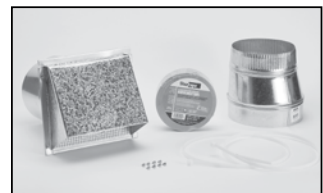
Earthquake Isolation Kit



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



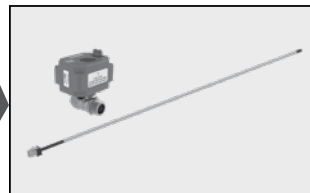
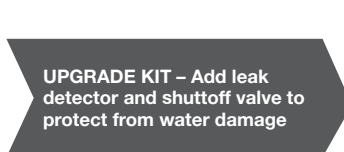
8" Ruud Approved Damper Kit



25' Flexible 8" Diameter Duct Kit



Rigid Elbow Duct Kit



Leak Sensor &amp; Shutoff Valve Kit

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