

Encore

Encore Hybrid Electric is the most efficient water heater available

EFFICIENCY

- Up to 4.0 UEF reduces operating cost
- ENERGY STAR® rated

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

- LED Screen with built-in water sensor alert with audible alarm
- Integrated EcoNet® WiFi-connected¹ technology (2.4 GHz only) and free mobile app gives users control over water systems, allowing for customizable temperature, vacation settings, energy savings and system monitoring at home or away. Visit Rheem.com/hybridsolutions

LEAKGUARD™
WATER SHUT-OFF VALVE

- Integrated leak detection and prevention system with factory installed auto water shut-off valve limits leaks to no more than 20 ounces of water²
- LeakSense™ Built-in Leak Detection System detects any leak large or small, internal or external³

OPERATION MODES

- Energy Saver
- Heat Pump Only
- High Demand
- Electric Heat Only
- 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

- 10-Year limited tank and parts warranty, 2-year limited 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.



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



LEED Points = 3

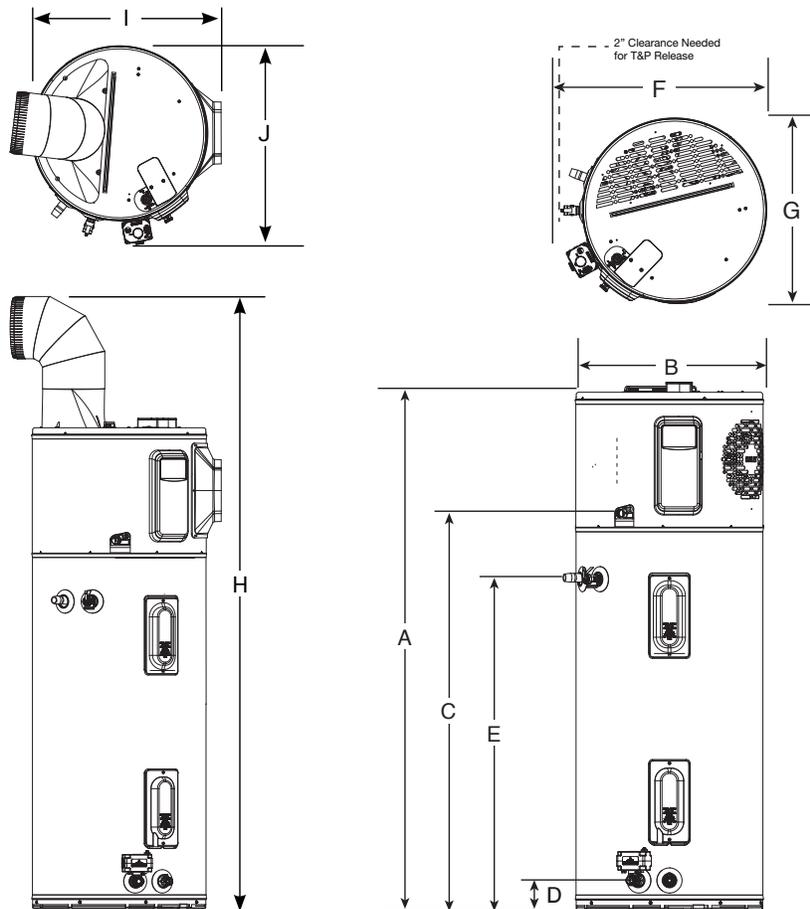
¹WiFi broadband internet connection required. ²Source: Rheem Leak-Sensing Data; testing under a vacuum lock using 50-gallon tank, no expansion tank, average tank pressure of 40 psi, assuming no additional faucets are opened. ³Water leaks from the heater only, as tested across scenarios including a minimum of 5.5mL/hr volume leak rate, using most common installation scenarios.

See specifications chart on back.

Hybrid Electric Specifications

DESCRIPTION				ENERGY INFO		FEATURES					TANK DIMENSIONS (SEE SPACE REQUIREMENTS IN DIAGRAMS BELOW)					
NOMINAL GALLON CAPACITY	RATED GALLON CAPACITY	MODEL NUMBER	ELECTRIC BREAKER SIZE	UNIFORM ENERGY FACTOR (UEF)	EST. YEARLY ENERGY COST	ELEMENT WATTAGE	COMPRESSOR BTU/H	SOUND LEVEL (dBA)	UEF FIRST HR. RATING G.P.H.	RECOVERY IN G.P.H 90° F RISE	HEIGHT A	DIAM. B	HT. TO COLD INLET & DRAIN VALVE	HT. TO HOT OUTLET & T&P	UNIT WT. (LBS)	APPROX. SHIP WT. (LBS.)
30 Amp with LeakGuard																
40	36	10E40-HP5S30	30	3.75	\$104	4,500	4200	49	60	26	62-5/16"	20-1/4"	3-5/8"	39-5/8"	157	174
50	45	10E50-HP5S30	30	3.75	\$104	4,500	4200	49	67	27	61-3/4"	22-1/4"	3-5/8"	39-5/8"	178	218
65	59	10E65-HP5S30	30	3.85	\$155	4,500	4200	49	75	27	64-3/16"	24-1/4"	3-7/8"	42-3/8"	225	262
80	72	10E80-HP5S30	30	4.00	\$149	4,500	4200	49	87	27	74-3/16"	24-1/4"	3-7/8"	42-3/8"	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.

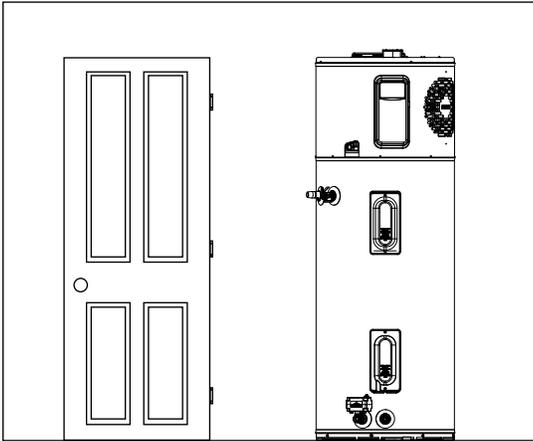


DESCRIPTION		DIMENSIONS (SHOWN IN INCHES)									
NOMINAL GALLON CAPACITY	MODEL NUMBER	A	B	C	D	E	F	G	H	I	J
40	10E40-HP5S30	62-5/16	20-1/4	47	3-5/8	39-5/8	23-3/8	20-1/2	78-7/8	22-3/8	23-1/4
50	10E50-HP5S30	61-3/4	22-1/4	47	3-5/8	39-5/8	25-3/8	22-1/2	78-5/8	24-3/8	25-9/16
65	10E65-HP5S30	64-3/16	24-1/4	49	3-7/8	42-3/8	27-1/2	24-5/8	81-1/8	26-1/2	27-3/8
80	10E80-HP5S30	74-3/16	24-1/4	59	3-7/8	52-3/8	27-1/2	24-5/8	91	26-1/2	27-3/8

Hybrid Water Heater Installation Guidelines to Provide Optimal Efficiency

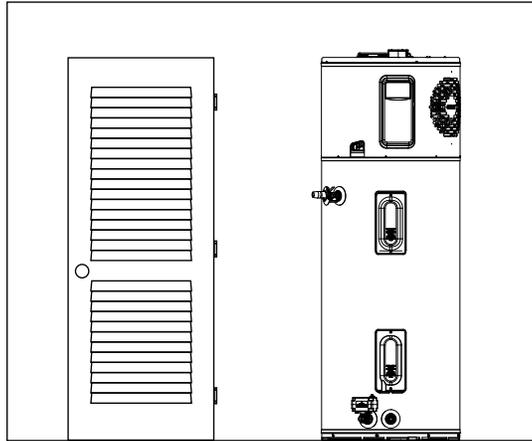
Heater: Not Ducted

Room size: Larger than 700 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.



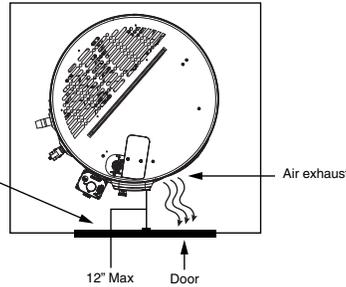
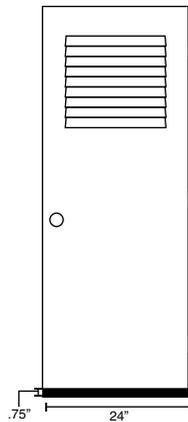
Heater: Not ducted

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.

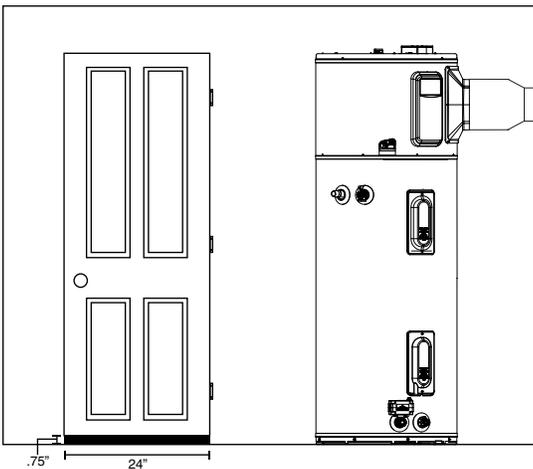
* Heater air exhaust must be positioned towards louver within one foot of door.



Heater: Ducted with inlet OR outlet duct

Room size: Any size room

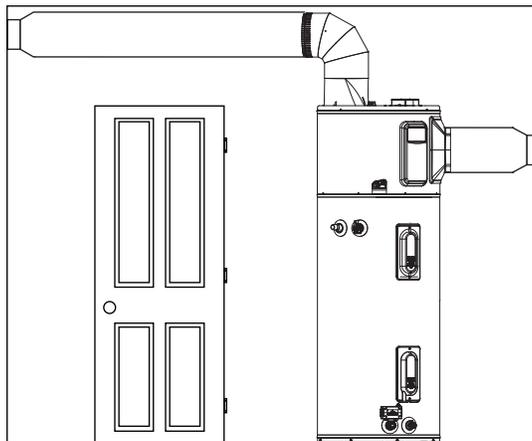
Requirements: Air gap under door equal to 18 in² (0.75" clearance)



Heater: Ducted with inlet AND outlet duct

Room size: Any size room

Requirements: No additional ventilation needed.



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Hybrid Accessories List

PART NUMBER	DESCRIPTION	USE FOR
AP19134	Leak Sensor	Automatic detection of internal and external leaks
AP20180	Shutoff Valve	Automatic shut off of water supply to unit
AP21365	Inlet Duct Adapter	Allows for ducting to be connected on the top inlet
AP17829	Outlet Duct Adapter	Allows for ducting to be connected to the 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" Richmond Approved Damper Kit	Exhaust only to the outside ducting configuration (no inlet duct)
SP20889	25' Flexible 8" Diameter Duct Kit	For up to 25' of ducting
SP20890	Rigid Elbow Duct Kit	Installation in tight places where space needs to be minimized



AP19134



AP20180



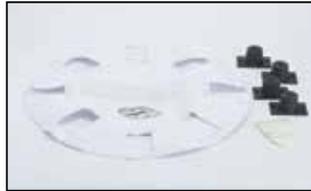
AP21365



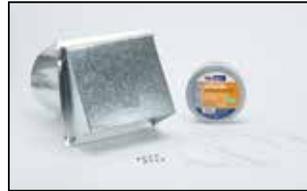
AP17829



SP20882



SP20883



SP20884



SP20885



SP20886



SP20887



SP20888



SP20889



SP20890