



PROTERRA[®] NEXT GEN

engineered for life[™]

Flexibility Meets Efficiency

The Rheem[®] ProTerra[®]
Hybrid Electric Heat Pump
Water Heater



TOP CONNECTIONS &
DUCT-READY DESIGN



*This product meets a stringent
set of our company's internally
defined sustainability standards*

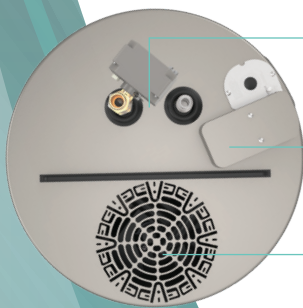
**ProTerra Hybrid Electric
Heat Pump Water Heater**
50 and 80 gallons Capacities

WHY PROTERRA

An Intelligent Replacement Solution

Offering enhanced installation flexibility, faster service and an easy sell, the new Rheem® ProTerra® Hybrid Electric Heat Pump Water Heater is the most efficient water heater available. It delivers impressive savings for homeowners. Plus, it features quiet operation and is full of smart features your customers will love—from built-in Wi-Fi to our exclusive LeakGuard™ leak detection and prevention.

ENHANCED FLEXIBILITY



NEW! Top Water Connections

Demand-response-ready EcoPort™ (CTA-2045 Port)

NEW! Duct-ready Design

UP TO
4X
THE EFFICIENCY
of a standard
electric water
heater



LeakGuard™ Auto Water Shut-off Valve

Easy-to-use Controls

NEW! Duct-ready Design

Easy-access Condensate Connection

Easy-service Design

Side Water Connections

Long-lasting Brass Drain Valve

Built-in 360° Leak Detection Cable

Flexible Install Faster Service



PERFECT FOR REPLACEMENT

Easy replacement with the same dimensions as a standard electric water heater and one-button startup



FITS MORE APPLICATIONS

With zero side clearance requirement, universal top and side water connections, and a duct-ready design, the ProTerra Hybrid Electric HPWH is a great option for homes with less space, even in closets



BUILT-IN PREMIUM FEATURES

Save yourself time with built-in leak detection, automatic water shut-off valve and Wi-Fi control¹.



CONVENIENT DESIGN

All serviceable parts and condensate line are on the front of the unit, making service and earthquake strap installs easy



ADVANCED DIAGNOSTICS

View detailed alerts and alarm codes while at the water heater via the on-unit display and Rheem® Contractor App to expedite service²



VALVE QUICK-RELEASE

If the actuator communication goes bad between the control and valve, you can replace it without touching the plumbing for faster service



LEAK SENSOR CHANNEL

Leak sensor replacement is easy by opening the bottom element cover and snaking the new leak sensor down the tube—360° protection, all from the front of the tank

¹Wi-Fi broadband connection and Rheem Contractor App required; connection between water heater and app dependent on external factors beyond Rheem's control.

HOW IT WORKS



PROTERRA®

ENERGY SAVING SCHEDULING

Program the water heater to match demand throughout the day—higher production during high use times, like the morning, and lower production for energy savings when no one is home

SET VACATION OR AWAY MODE

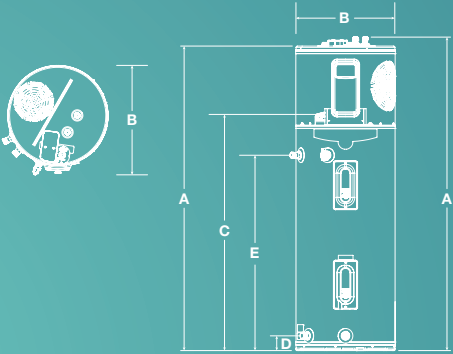
Reduce water heating costs while homeowners are away for a week or just for the day—it’s easy to set from a phone from anywhere through the free EcoNet app

SEE HOW PROTERRA HYBRID ELECTRIC STACKS UP AGAINST ELECTRIC WATER HEATERS		
	RHEEM PROTERRA HYBRID ELECTRIC WITH LEAKGUARD	STANDARD ELECTRIC
5 Operating Modes	✓	X
Water Leak Detection	✓	X
Auto Water Shut-off	✓	X
Energy Saving Scheduling	✓	X

PROTERRA[®]

NEXT GEN

Rheem[®] ProTerra[®] Hybrid Electric Specifications



DESCRIPTION				ENERGY INFO	FEATURES				TANK DIMENSIONS					
NORMAL GALLON CAPACITY	RATED GALLON CAPACITY	MODEL NUMBER	ELECTRIC BREAKER SIZE	UNIFORM ENERGY FACTOR (UEF)	ELEMENT WATTAGE	COMPRESSOR BTU	FIRST HOUR RATING (GALLONS)	RECOVERY IN G.P.H. 90° F RISE	HEIGHT (A)	DIAMETER (B)	HEIGHT TO CONDENSATE CONNECTION (C)	HEIGHT TO COLD INLET & DRAIN (D)	HEIGHT TO HOT OUTLET AND T&P (E)	APPROX. SHIP WT. (LBS)
ProTerra [®] Hybrid Electric HPWH with LeakGuard [™]														
50	45	PROPH50 T2 RH400-S0	30	3.88	4,500	4,200	67	27	61-3/4"	22-1/4"	47"	3-5/8"	39-5/8"	218
80	72	PROPH80 T2 RH400-S0	30	4.07	4,500	4,200	87	27	74-3/16"	24-1/4"	59"	3-7/8"	42-3/8"	281



Did You Know?

The Rheem® ProTerra® Hybrid Electric Heat Pump Water Heater uses less energy to operate than a classic 100-watt incandescent light bulb



Sustainability That Works

Homeowners don't have to choose between sustainability goals and enjoying hot water

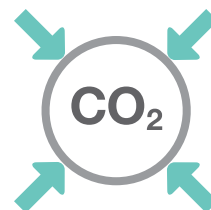


HEAT PUMP TECHNOLOGY

The ProTerra Hybrid Electric HPWH pulls heat energy from the air around it to heat water, making it the most efficient water heater on the market² with up to a 4.07 UEF

CARBON FOOTPRINT REDUCTION

The ProTerra Hybrid Electric HPWH uses 75% less energy than a standard residential 50-gallon hybrid electric water heater to help minimize impact on the environment



DEMAND RESPONSE READY

EcoPort (CTA-2045) and built-in Wi-Fi allow easy connection to utility programs for additional energy and time-of-use rate savings

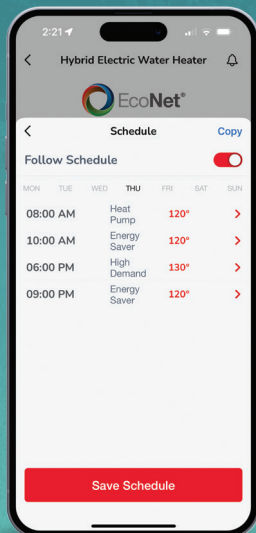


Smart Control Powered by EcoNet[®] Technology

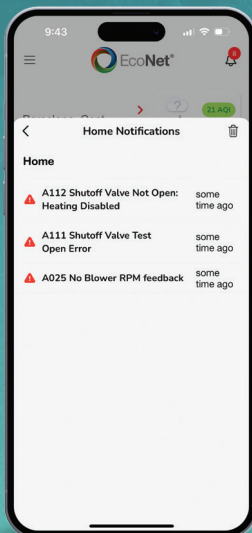


Built-in Wi-Fi gives homeowners complete control of their water heater from a smart phone¹ and the EcoNet App—including:

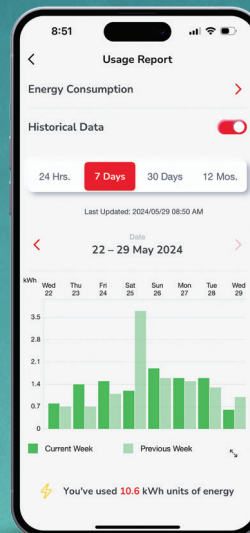
SCHEDULING OPERATING MODE & SET POINT



VIEWING / MANAGING ALERTS



TRACKING ENERGY USAGE



Quiet Operation

Enjoy peace of mind with quiet operation at 45 dBA²

dBA

90 Coffee Grinder

80 Garbage Disposal

70 Washing Machine

60 Printer

50 Refrigerator

40 Air Fryer

30 Whisper



¹Wi-Fi broadband connection and EcoNet App required; notifications are dependent on external factors beyond Rheem's control. EcoNet is a registered trademark of Rheem Manufacturing company. ²Operation at 45 dBA measured at 6.28 feet using third-party certified testing procedures.



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Discover the future of innovation and learning at Rheem's state-of-the-art Innovation and Learning Centre in Saudi Arabia. Visit us to experience cutting-edge technologies, collaborative spaces, and ongoing educational programs shaping the future of our industry.



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