Flexibility meets

efficiency.



PROTERRA®

Hybrid Electric Heat Pump Water Heater

40-, 50-, 65- and 80-gallon Capacities

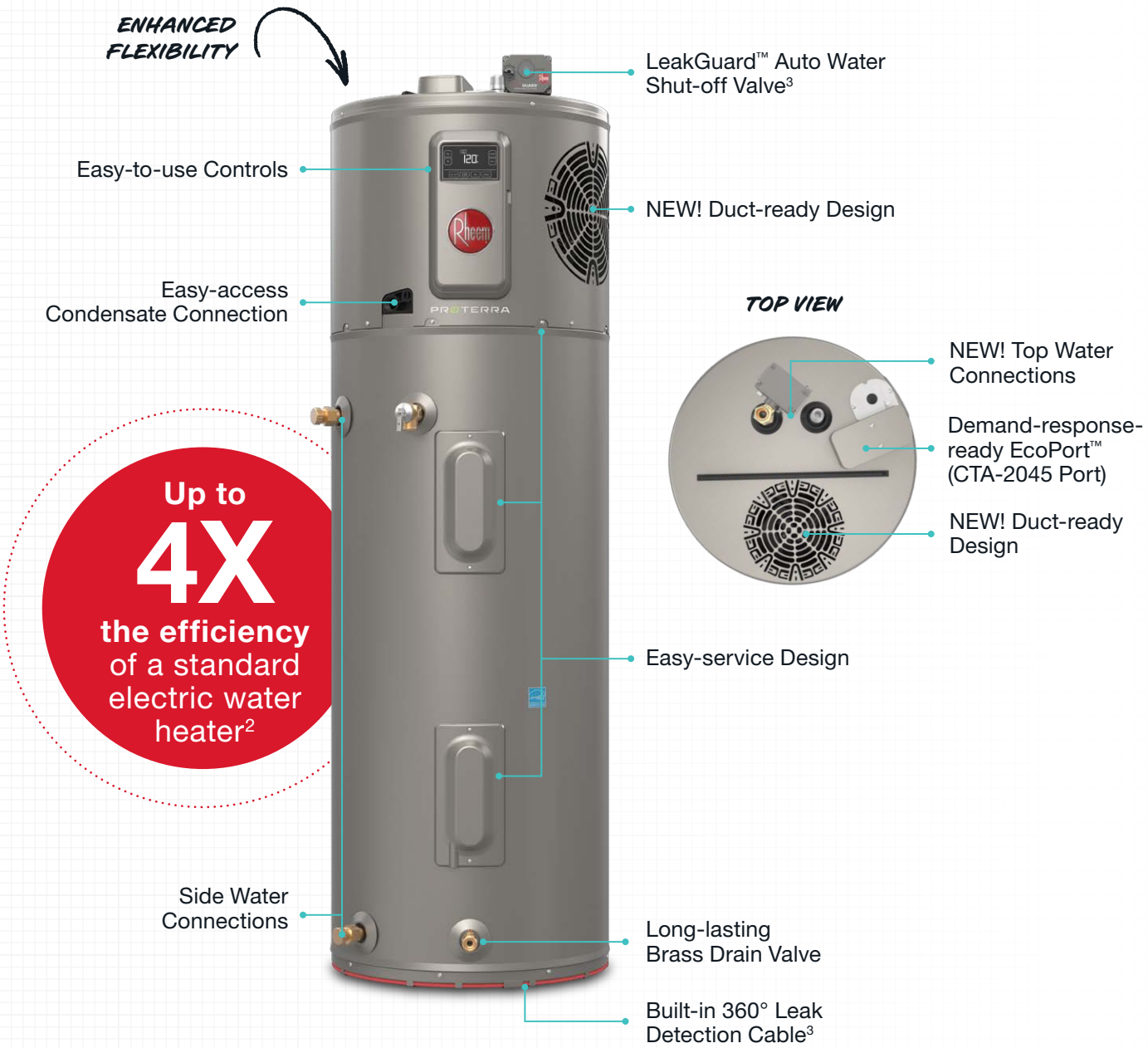
Rheem®

engineered for life™

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 among the most efficient water heaters available. It delivers impressive savings for homeowners—right away with local incentives and rebates,[1] and ongoing with up to $576 energy cost savings each year.[2] 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.[3]



[1]Rebates vary by region. [2]Based on estimated annual operating cost savings of the 40-, 50-, 65- and 80-gallon Hybrid Electric models compared to a standard electric water heater of like capacity with minimum efficiency. [3]Leak detection and prevention built-in for ProTerra Hybrid with LeakGuard only.



Plumber Friendly

Flexible Install, Faster Service, Easy Sell

Feel confident selling ProTerra® to homeowners while also enjoying hassle-free, flexible installation, replacement and service. Build reliable, life-long relationships by giving your clients the peace of mind they deserve.

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 control [1,2]

BEST-IN-CLASS WARRANTY

Deliver peace of mind with 10-year limited tank and parts warranty[3]

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 service[1]



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



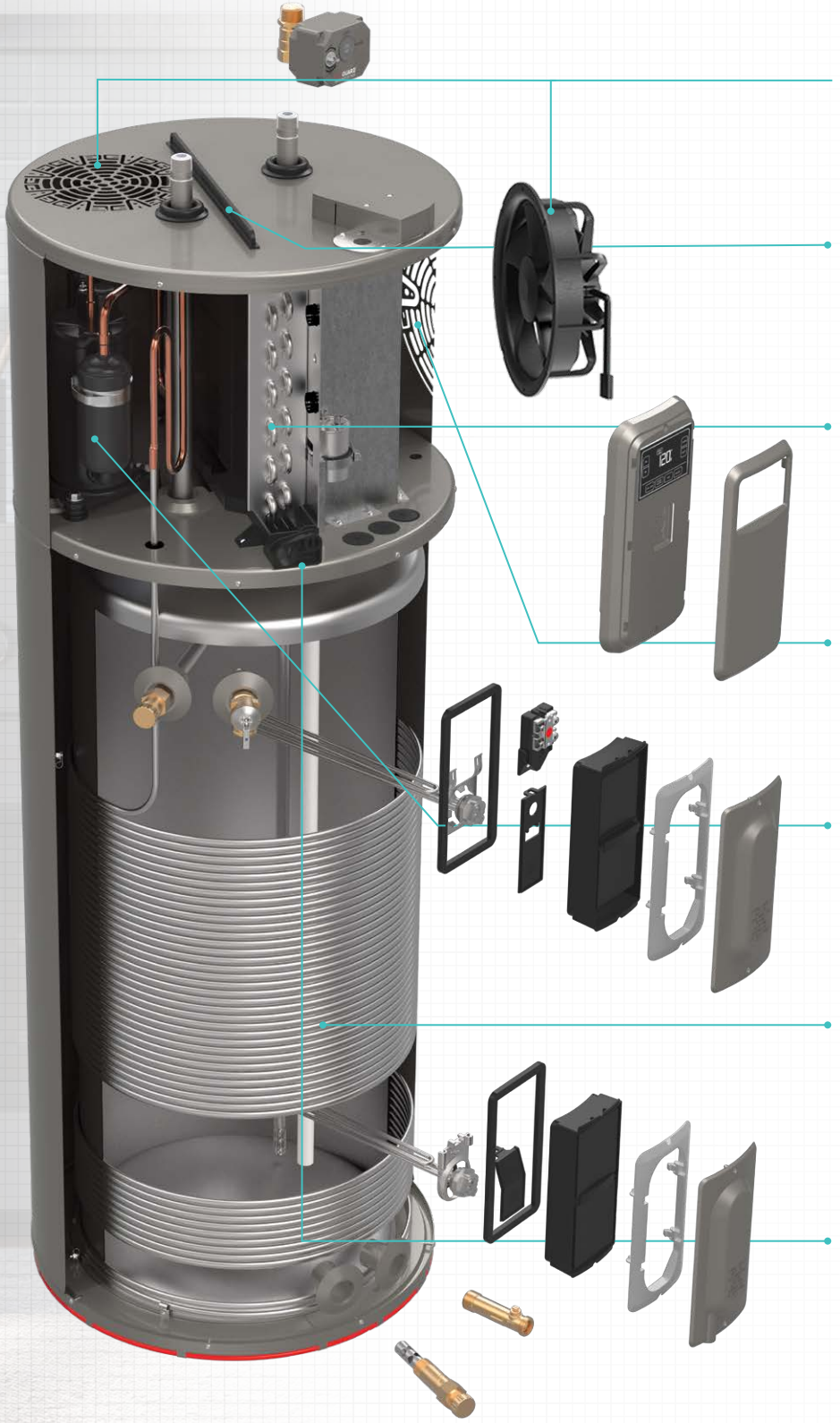
Leak Sensor Channel

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

[1]Wi-Fi broadband connection and Rheem Contractor App required; connection between water heater and app dependent on external factors beyond Rheem's control. [2]Leak detection and prevention built-in for ProTerra Hybrid with LeakGuard only. [3]See residential warranty certificate for complete information or view warranty details at RheemWarranties.com.

How It Works

Step By Step



1. A fan pulls air through the upper intake port
2. Air entering the upper intake port passes through a filter
3. Eco-friendly refrigerant in the evaporator absorbs heat
4. Cool air exhausts through the side outlet
5. A compressor pumps heated refrigerant to the condenser tubing
6. Heat is transferred to the water in the tank via condenser tubing
7. Non-acidic condensate is routed away from the unit

PROTERRA®

Save Today. Save Tomorrow.

Up to $5,760 in Energy Cost Savings

The Rheem® ProTerra® Hybrid Electric Heat Pump Water Heater is incredibly efficient, helping homeowners save up to $576 per year in energy costs—that's almost $5,760 over 10 years![1]

QUICK PAYBACK[2]

Upgrading can pay for itself thanks to an amazing 4.07 UEF, high energy cost savings, and available local rebates

TIME-OF-USE / DEMAND RESPONSE SCHEDULING

Homeowners can save up to $400 over the life of the heater with time-of-use energy rate scheduling and demand response program participation[3]

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[3]

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[4]

PROTERRA HYBRID ELECTRIC VS. STANDARD ELECTRIC WATER HEATERS[5]

SIZES & FEATURES Plus Savings	RHEEM PROTERRA HYBRID ELECTRIC WITH LEAKGUARD Annual Operating Cost	STANDARD ELECTRIC Annual Operating Cost
40 Gallon	**$119**	**$494**
50 Gallon	**$117**	**$494**
65 Gallon[6]	**$171**	**$747**
80 Gallon[6]	**$171**	**$747**
5 Operating Modes	✓	✕
10-Year Warranty	✓	Only 6-Year Warranty
Water Leak Detection	✓	✕
Auto Water Shut-off	✓	✕
Energy Saving Scheduling	✓	✕
Local Utility Rebates	✓	✕

SEE HOW PROTERRA HYBRID ELECTRIC STACKS UP!

[1]Based on estimated annual operating cost savings of the 40-, 50-, 65- and 80-gallon hybrid electric models compared to a standard electric water heater of like capacity with minimum efficiency as of 12.31.23. [2]Based on the comparison of a 50-gallon Rheem Hybrid Electric model to a standard electric water heater of like capacity with minimum efficiency; Payback based on average retail cost difference less rebates and annual operating costs savings. [3]Based on internal testing and the SMUD cost for peak/off peak pricing and season difference. [4]Wi-Fi broadband connection and Rheem EcoNet App required; connection between water heater and app dependent on external factors beyond Rheem's control. [5]Based on estimated annual operating costs certified by the Federal Trade Commission. [6]There is not a standard product of like capacity available on the market for comparison against the 65- and 80-gallon model. 55-gallon standard electric is the similar capacity comparison model for the 65-gallon and 80-gallon Hybrid Electric Heat Pump models.

Sustainability That Works

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.[1]

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

HEAT PUMP TECHNOLOGY

HPWHs pull heat energy from the surrounding air, making them the most efficient water heaters available[2]. The ProTerra delivers an impressive 4.07 UEF.



CARBON FOOTPRINT REDUCTION

The ProTerra Hybrid Electric HPWH uses 75% less energy[3] than a standard 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

USES LESS ENERGY TO OPERATE THAN A 100-WATT BULB!



[1]Based on comparison of the annual operating cost of a 40- and 50-gallon Rheem ProTerra Hybrid Electric Heat Pump model against the energy needed to power a single 100-watt incandescent light bulb constantly for one year. [2]Based on review of available residential water heaters. [3]Based on reduction in energy use of Hybrid Electric Heat Pump water heater models compared to a standard electric tank type model with similar capacity and minimum efficiency.

Smart Control

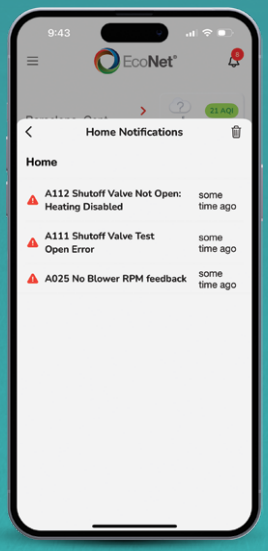
Powered by EcoNet® Technology

Built-in Wi-Fi gives homeowners complete control of their water heater from a smart phone[1] and the EcoNet App—including:

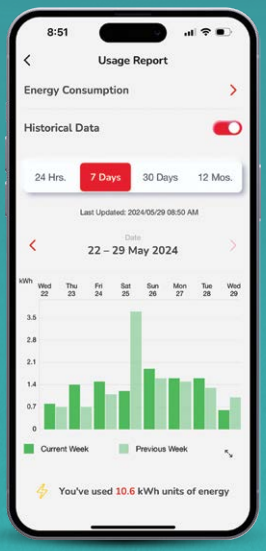
SCHEDULING OPERATING MODE & SET POINT



VIEWING / MANAGING ALERTS



TRACKING ENERGY USAGE





45 dBA

Quiet Operation

Enjoy peace of mind with quiet operation at 45 dBA.[2]

dBA	
90	Coffee Grinder
80	Garbage Disposal
70	Washing Machine
60	Printer
50	Refrigerator
40	Air Fryer
30	Whisper



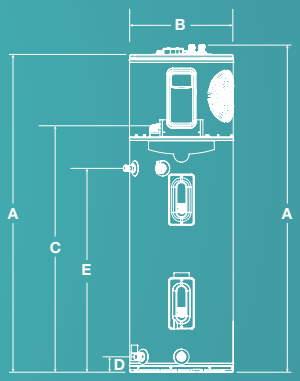
[1]Wi-Fi broadband connection and EcoNet App required; notifications are dependent on external factors beyond Rheem's control. EcoNet is a registered trademark of Rheem Manufacturing company. [2]Operation at 45 dBA measured at 6.28 feet using third-party certified testing procedures.

PROTERRA®

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™ – 30 AMPS														
40	36	PROPH40 T2 RH400-SO	30	3.83	4,500	4,200	60	26	62-5/16"	20-1/4"	47"	3-5/8"	39-5/8"	174
50	45	PROPH50 T2 RH400-SO	30	3.88	4,500	4,200	67	27	61-3/4"	22-1/4"	47"	3-5/8"	39-5/8"	218
65	59	PROPH65 T2 RH400-SO	30	4.05	4,500	4,200	75	27	64-3/16"	24-1/4"	49"	3-7/8"	42-3/8"	262
80	72	PROPH80 T2 RH400-SO	30	4.07	4,500	4,200	87	27	74-3/16"	24-1/4"	59"	3-7/8"	42-3/8"	281
ProTerra® Hybrid Electric HPWH – 30 AMPS														
40	36	PROPH40 T2 RH400-30	30	3.83	4,500	4,200	60	27	62-5/16"	20-1/4"	47"	3-5/8"	39-5/8"	174
50	45	PROPH50 T2 RH400-30	30	3.88	4,500	4,200	67	27	61-3/4"	22-1/4"	47"	3-5/8"	39-5/8"	218
65	59	PROPH65 T2 RH400-30	30	4.05	4,500	4,200	75	27	64-3/16"	24-1/4"	49"	3-7/8"	42-3/8"	262
80	72	PROPH80 T2 RH400-30	30	4.07	4,500	4,200	87	27	74-3/16"	24-1/4"	59"	3-7/8"	42-3/8"	281
ProTerra® Hybrid Electric HPWH – 15 AMPS														
40	36	PROPH40 T2 RH400-15	15	3.45	2,250	4,200	46	16	62-5/16"	20-1/4"	47"	3-5/8"	39-5/8"	174
50	45	PROPH50 T2 RH400-15	15	3.75	2,250	4,200	54	16	61-3/4"	22-1/4"	47"	3-5/8"	39-5/8"	218
65	59	PROPH65 T2 RH400-15	15	3.55	2,250	4,200	54	16	64-3/16"	24-1/4"	49"	3-7/8"	42-3/8"	262
80	72	PROPH80 T2 RH400-15	15	3.70	2,250	4,200	67	16	74-3/16"	24-1/4"	59"	3-7/8"	42-3/8"	281

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

Contact Us

Customer Service, Warranty, Parts
800-621-5622

Plumbing Support Team
866-339-2388

EcoNet® Technical Support
800-255-2388

Technical Service
800-HEATER3 (800-432-8373)

Technical Service for Hybrid Water Heaters
800-995-0982



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Visit us online at **Rheem.com/ProTerra** or see your local distributor.

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