



Flexibility Meets Efficiency

The Richmond® ENCORE®
Hybrid Electric Heat Pump
Water Heater

**NEW! TOP CONNECTIONS
& DUCT-READY DESIGN**



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



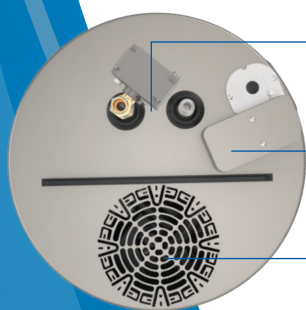
40-, 50-, 65- and 80-gallon Capacities

WHY RICHMOND ENCORE HYBRID

An Intelligent Replacement Solution

Offering enhanced installation flexibility, faster service and an easy sell, the new Richmond ENCORE® Hybrid Electric Heat Pump Water Heater is the most efficient water heater available. It delivers impressive savings for homeowners—right away with up to a \$2,000 federal tax credit and local utility 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

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 heater²

¹Rebates vary by region. 2023 federal tax credit of 30% of the heat pump water heater and installation costs up to \$2,000. ²Based 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. ³Leak detection and prevention built-in for ENCORE Hybrid with LeakGuard only.

PLUMBER FRIENDLY



Flexible Install, Faster Service, Easy Sell

Feel confident selling Richmond ENCORE Hybrid Electric 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 ENCORE 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 warranty³



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 Richmond Contractor App to expedite service¹



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

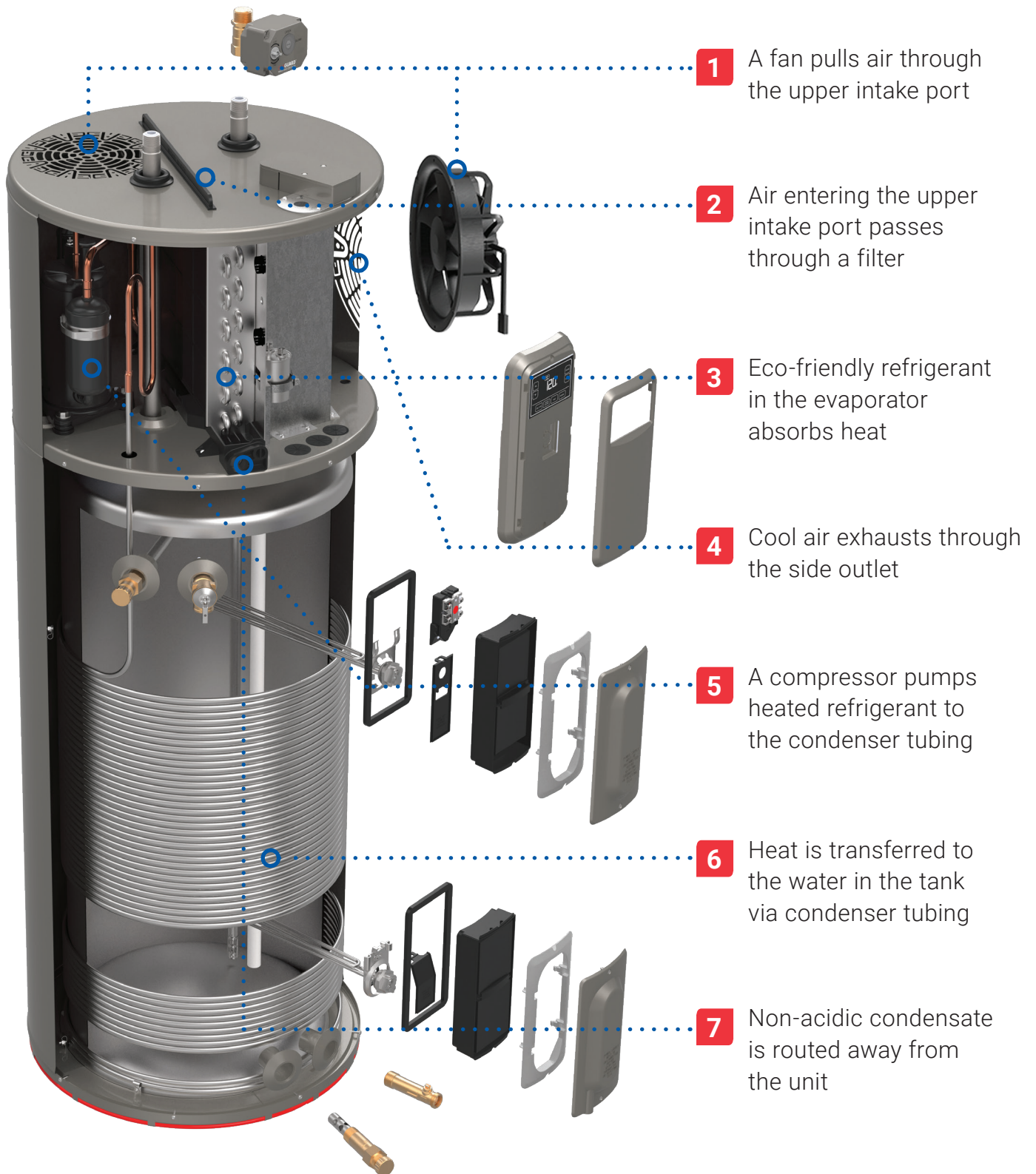


LEAK SENSOR CHANNEL

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 Richmond Contractor App required; connection between water heater and app dependent on external factors beyond our control.
²Leak detection and prevention built-in for ENCORE Hybrid with LeakGuard only.
³See residential warranty certificate for complete information or view warranty details at RichmondWaterHeaters.com/Warranty.

HOW IT WORKS



Up to \$5,760 in Energy Cost Savings

The Richmond ENCORE® Hybrid Electric Heat Pump Water Heater is the most efficient water heater on the market, helping homeowners save up to \$576 per year in energy costs—that’s almost \$5,760 over 10 years!¹

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 participation³

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 home³

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® app⁴

SAVE TODAY. SAVE TOMORROW.

Upgrading can pay for itself thanks to an amazing 4.07 UEF, high energy cost savings, up to \$2,000 federal tax credit and available local rebates.

**Quick
Payback²**

SEE HOW THE ENCORE HYBRID ELECTRIC STACKS UP AGAINST ELECTRIC WATER HEATERS⁵

	RICHMOND HYBRID ELECTRIC WITH LEAKGUARD	STANDARD ELECTRIC
SIZE	Hybrid Annual Operating Cost	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	✓	6-Year
Water Leak Detection	✓	✗
Auto Water Shut-off	✓	✗
Energy Saving Scheduling	✓	✗
Local Utility Rebates	✓	✗
Federal Tax Credit	✓	✗

¹Based 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. ²Based on the comparison of a 50-gallon Richmond Hybrid Electric model to a standard electric water heater of like capacity with minimum efficiency; Payback based on average retail cost difference less available tax credits, rebates and annual operating costs savings. ³Based on internal testing and the SMUD cost for peak / off peak pricing and season difference. ⁴Wi-Fi broadband connection and EcoNet App required; connection between water heater and app dependent on external factors beyond our control. ⁵Based on estimated annual operating costs certified by the Federal Trade Commission. ⁶There 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.



Did You Know?

The Richmond ENCORE® Hybrid Electric Heat Pump Water Heater uses less energy to operate than a classic 100-watt incandescent light bulb¹



Sustainability That Works

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

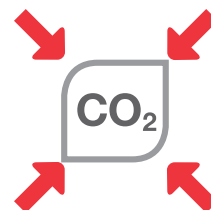


HEAT PUMP TECHNOLOGY

The Richmond ENCORE 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 Richmond ENCORE Hybrid Electric HPWH uses 75% less energy³ 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



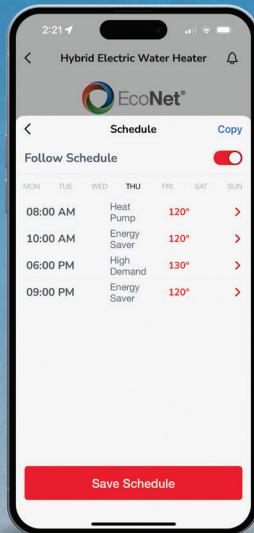
¹Based on comparison of the annual operating cost of a 40- and 50-gallon Richmond ENCORE Hybrid Electric Heat Pump model against the energy needed to power a single 100-watt incandescent light bulb constantly for one year. ²Based on review of available residential water heaters. ³Based on reduction in 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

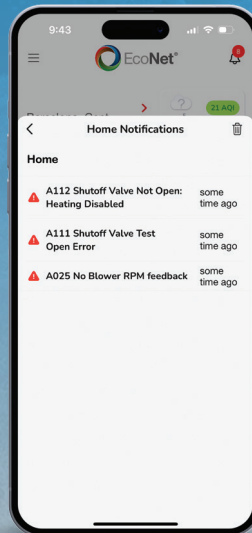


Built-in Wi-Fi gives homeowners complete control of their water heater from a smart phone¹ and the EcoNet App—including:

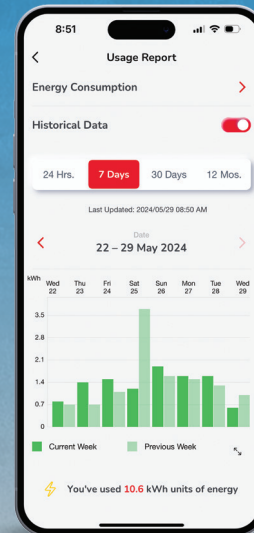
SCHEDULING OPERATING MODE & SET POINT



VIEWING / MANAGING ALERTS



TRACKING ENERGY USAGE



Quiet Operation

Enjoy peace of mind with quiet operation at 45 dBA²

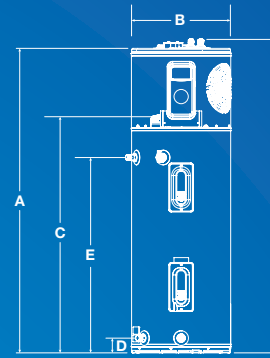
dBa

- 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 our 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.

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 SIDE COLD INLET & DRAIN (D)	HEIGHT TO SIDE HOT OUTLET AND T&P (E)	APPROX. SHIP WT. (LBS)
Hybrid Electric HPWH With LeakGuard™ – 30 AMPS														
40	36	10E40-HP5US30	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	10E50-HP5US30	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	10E65-HP5US30	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	10E80-HP5US30	30	4.07	4,500	4,200	87	27	74-3/16"	24-1/4"	59"	3-7/8"	42-3/8"	281
Hybrid Electric HPWH – 30 AMPS														
40	36	10E40-HP5U30	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	10E50-HP5U30	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	10E65-HP5U30	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	10E80-HP5U30	30	4.07	4,500	4,200	87	27	74-3/16"	24-1/4"	59"	3-7/8"	42-3/8"	281
Hybrid Electric HPWH – 15 AMPS														
40	36	10E40-HP5U15	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	10E50-HP5U15	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	10E65-HP5U15	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	10E80-HP5U15	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

Visit us online at
RichmondWaterHeaters.com/Hybrid
 or see your local distributor.

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