



The new degree of comfort.™



Rheem Ingenuity. Innovation... And Then Some.



New *Prestige*™ Series
High Efficiency Water Heaters





What is 360°+1?

For nearly a century, Rheem has been the industry leader, pioneering numerous industry firsts including smart features that meet the needs of homeowners and contractors. That's why we design every new product with the Rheem 360°+1 philosophy. We evaluate every detail from top to bottom, inside and out, and everything in between. We consider the work that goes into installing and servicing our products as well as how we can deliver the best homeowner experience... And then we take it further. That's 360°+1.



360° Performance™

Our new *Prestige*™ Series Water Heaters set new standards for performance. The high efficiency Hybrid, Condensing Power Direct Vent and Tankless water heaters showcase Rheem ingenuity by topping their classes in efficiency, lowering operating costs and simply operating reliably year after year.



360° Installability™

We've added a multitude of features to our product line up—some you'd expect, others you wouldn't. These innovations make installation faster, easier and more cost-effective. The *Prestige*™ Series products were designed to save you time and money so you can reinvest in your business.



360° Serviceability™

Introducing the most advanced diagnostic systems on the market. The *Prestige*™ Series Water Heaters are intelligently designed to make servicing quicker and easier. This means they work smarter, so you don't have to work harder.



360° Integration™

At Rheem, we see the power of air and water integration. We're experts at designing innovative ways to transfer heat and integrating our air and water systems to deliver higher efficiencies – providing homeowners with more control over their home comfort. For example, our new Hybrid Electric Heat Pump Water Heater uses the power of air to heat water more efficiently. It also features EcoNet™, Rheem's exclusive technology—making it compatible for future integration with home automation, energy management and demand response systems. This helps your customers save now, and will help them continue to save for years to come.

INTR°DUCING

New *Prestige*™ Series High Efficiency Water Heaters

Introducing our *Prestige* line of high efficiency water heaters. With performance, efficiency, serviceability and more in mind—we've thought of everything, and then some. That's the 360°+1 philosophy. The new high efficiency Hybrid, Condensing Power Direct Vent, and Tankless water heaters aren't just the most innovative—they're the best on the market.



Redesigned Around Every Curve... And Then Some.

New *Prestige*™ Series Hybrid Heat Pump Water Heater

Our new *Prestige* Series Hybrid Heat Pump water heater has the highest efficiency in its class at 2.45 EF. It also has the lowest operating cost, saving your customers \$329 annually compared to a standard 50-gallon electric model. Exclusive, high quality features like our patented magnesium anode rod with resistor extends the life of the tank and Incoloy stainless steel resistored elements deliver dependable operation during high demand periods.



360° Performance™

Performance is what the new high efficiency line is all about. Our new *Prestige* Series Hybrid Heat Pump water heater sets a new standard for performance with the highest efficiency in its class at 2.45 EF.

PlusOne™ Heat Transfer Technology

New wrap around condenser maximizes the transfer of heat with no circulation pump required.



360° Serviceability™

Introducing the most advanced diagnostic system on the market. We made a smarter water heater, to make problem solving quicker and easier. It works smarter, so you don't have to work harder.

PlusOne™ Diagnostics

The only full-color, back lit, touch-screen control on the market, providing homeowner service alerts as well as detailed troubleshooting and diagnostic information for the Contractor.

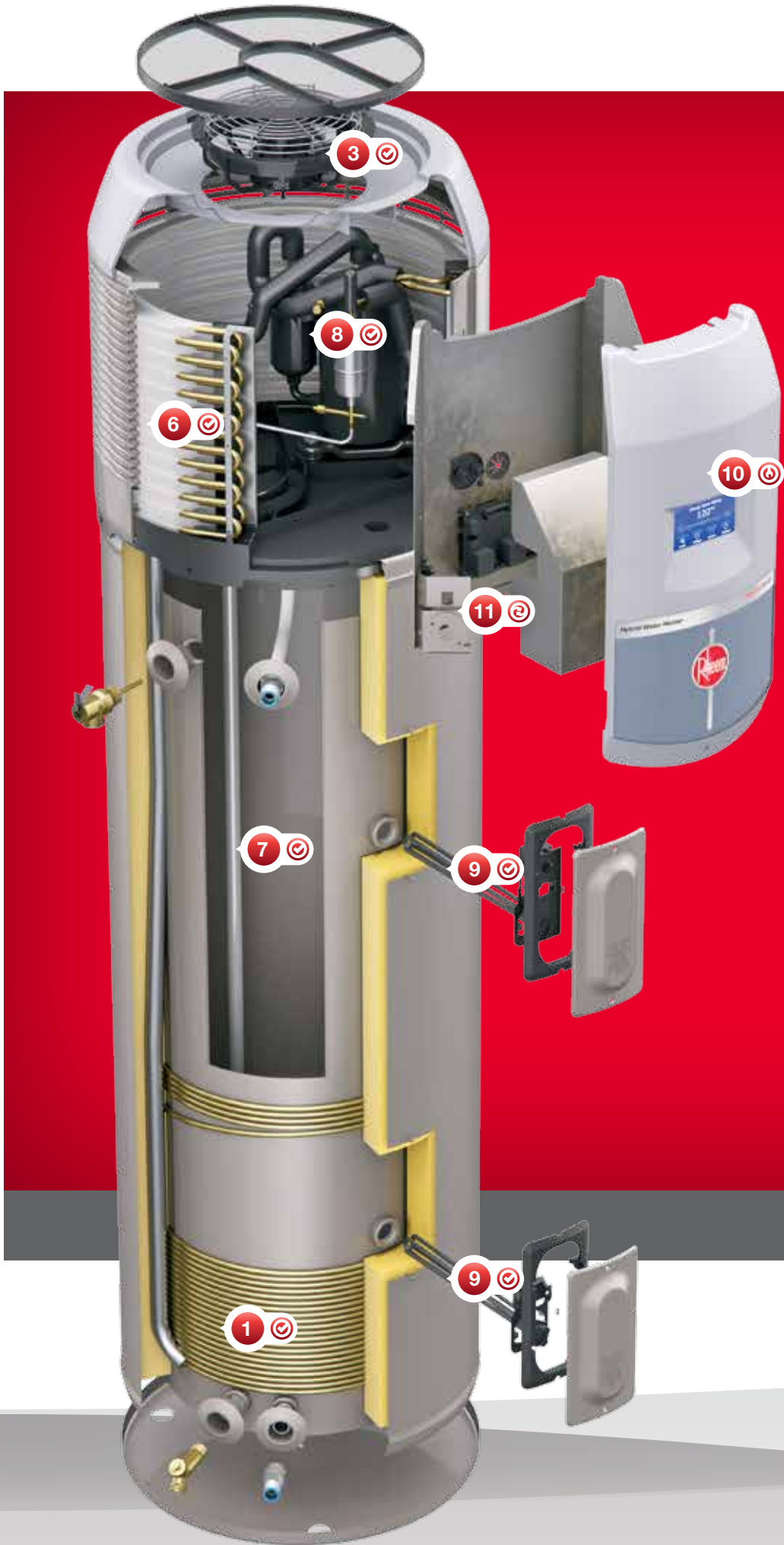


360° Integration™

We brought the power of air and water together to create the most efficient water heater on the market. Rheem integration also means your customers' Rheem heating, cooling and water heating systems will all work together seamlessly to create the most efficient home environment possible.

PlusOne™ Communication

EcoNet™ system allows for future integration with other Rheem appliances, such as heating and cooling systems, pool and spa heaters, and remote access tools. It is also future-compatible with home automation, energy management and demand response systems.



360° Performance™

1. **PlusOne™ Heat Transfer Technology** – New wrap around condenser maximizes the transfer of heat with no circulation pump required.
2. **Efficiency** – The highest efficiency in its class at 2.45 EF.
3. **Superior Heat Pump** – Delivers more hot water faster – 33% faster!
4. **ENERGY STAR® rated.**
5. **Unmatched Savings** – Reduces operating costs \$329 annually compared to a standard 50-gallon electric model.
6. **Operating Temperature Range** – Widest operating temperature range in its class (37-120F); it's certified for Northern Climate compatibility – able to operate in lower temperatures (cooler climates) which means it can be installed in more geographic areas and use the heat pump more days throughout the year.
7. **Innovation** – Patented magnesium anode rod with resistor extends the life of the tank.
8. **8700 Btu/h Compressor** – Built to work longer and harder for increased reliability and less dependence on traditional element heat year round.
9. **Incoloy Stainless Steel Resistored Elements** – Provides dependable operation during high demand and dry-fire protection.



360° Serviceability™

10. **PlusOne™ Diagnostics** – The only full-color, back lit, touch-screen control on the market.



360° Integration™

11. **PlusOne™ Communication** – EcoNet™ system allows for future integration with home automation, energy management and demand response systems.



Record-setting Energy Efficiency.

New *Prestige*™ Series Condensing Power Direct Vent Water Heater

The new *Prestige* Series High Efficiency Condensing Power Direct Vent (PDV) water heater has the highest energy efficiency for a residential gas tank-type water heater. It also has an industry leading first hour rating of 93 gallons for our 48-gallon model and a recovery rate of 48.5 gallons – all of which means your customers get more hot water faster, and at a lower operating cost. It's also the only fully condensing FVIR compliant water heater on the market and is ENERGY STAR® qualified in the U.S. and Canada.



360° Performance™

Our new *Prestige* Series Condensing Power Direct Vent Water Heater sets a new standard for performance with the highest efficiency in its class at .80 EF. And with an industry-leading FHR and recovery rate, this water heater's performance is in a class of its own.

PlusOne™ Heat Transfer Technology

Rheem's exclusive five coil submerged heat exchanger increases heat transfer and efficiency.



360° Installability™

We've added a multitude of features to our product line up—some you'd expect, others you wouldn't. These innovations make installation faster, easier and more cost-effective.

PlusOne™ Venting

Top venting means there is no need to build a bulky side-riser, plus it vents with low-cost PVC piping, making for a quicker, less expensive installation.



360° Serviceability™

The *Prestige*™ Series Condensing PDV Water Heaters feature an integrated, self-diagnostic system— which monitors the water heater's operations. They're intelligently designed to make servicing quicker and easier.

PlusOne™ Diagnostics

This system uses an array of six LED lights with different patterns pertaining to 15 troubleshooting codes, simplifying installation and servicing.



360° Performance™

1. **PlusOne™ Heat Transfer Technology** – Exclusive five coil submerged porcelain heat exchanger that increases heat transfer and efficiency.
2. **Efficiency** – .80 EF, highest energy efficiency for a residential gas tank-type water heater.
3. **Industry-Leading First Hour Rating** (93 gallons) and recovery rate (48.5 gallons).
4. **Flammable Vapor Ignition Resistance (FVIR)** – Created with a built-in sensor, making it the only fully condensing FVIR compliant option for the residential market, providing the consumer with safety and peace of mind.
5. **ENERGY STAR® Rated** – Qualified in the U.S. and Canada; Eco-friendly burner, low NOx design.
6. **Dual Patented Magnesium Anode Rods** with resistors protects the tank from corrosion for longer product life.
7. **6-year Limited Tank and Parts Warranty.**

360° Installability™

8. **PlusOne™ Venting** – Top venting which means there is no need to build a bulky side-riser, plus it vents with low-cost PVC piping, making for a quicker, less expensive installation.
9. **Power Direct Vent** addresses air quality or negative air pressure concerns & is ideal for tightly constructed homes.

360° Serviceability™

10. **PlusOne™ Diagnostics** – Diagnostic system that can be replaced without draining the unit.

Save Time, Save Money... And Grow Your Business.

Prestige™ Series Condensing Tankless Water Heater

The *Prestige™* Series Tankless water heater is the perfect addition to help round out your water heating offering. We've designed it with features that save you time and money on installation and servicing, while meeting homeowner needs for energy efficiency and reclaiming space. Operating at 94% thermal efficiency, it lowers operation costs for the homeowner, resulting in savings between \$194-\$326 annually.



360° Performance™

Efficiencies of up to 94% and a stainless steel heat exchanger make the *Prestige™* Series Condensing Tankless water heater one of the most reliable, high performance products on the market. Plus, industry-leading activation and minimum flow rates ensure it performs with even the most conservative low-flow fixtures.



PlusOne™ Heat Transfer Technology

We've applied our unique expertise in heat transfer technology to our condensing tankless products, delivering a proven, reliable solution.

360° Installability™

Rheem designed our condensing tankless products for quick, easy and cost-effective installation. From accessories that come included with the product to PVC venting, you'll find a multitude of features that make installation a snap.



PlusOne™ Venting

Two-pipe direct vent system that vents with low-cost PVC piping. Also available, a concentric vent termination kit.

360° Serviceability™

The *Prestige™* Series Water Heaters come standard with intelligent controls that increase efficiency, safety and make servicing faster and easier.



PlusOne™ Diagnostics

Digital display makes servicing easier - shows temperature setting and maintenance codes.

360° Performance™

1. **PlusOne™ Heat Transfer Technology** – Stainless steel heat exchanger lowers operating costs.
2. **Efficiency** – Operates at 94% thermal efficiency.
3. **Rheem proprietary Hot Start programming** – Cuts down the effect of the "cold water sandwich".
4. **Intelligent electronic controls** – Designed to increase energy efficiency and safety.
5. **ENERGY STAR® Rated.**
6. **External Remote Control** – Can be mounted anywhere in a home.
7. **AHRI Certified** to have efficiencies (EFs) greater than 0.82.
8. **Life Expectancy** – The national average life expectancy for tankless water heaters is 20 years.

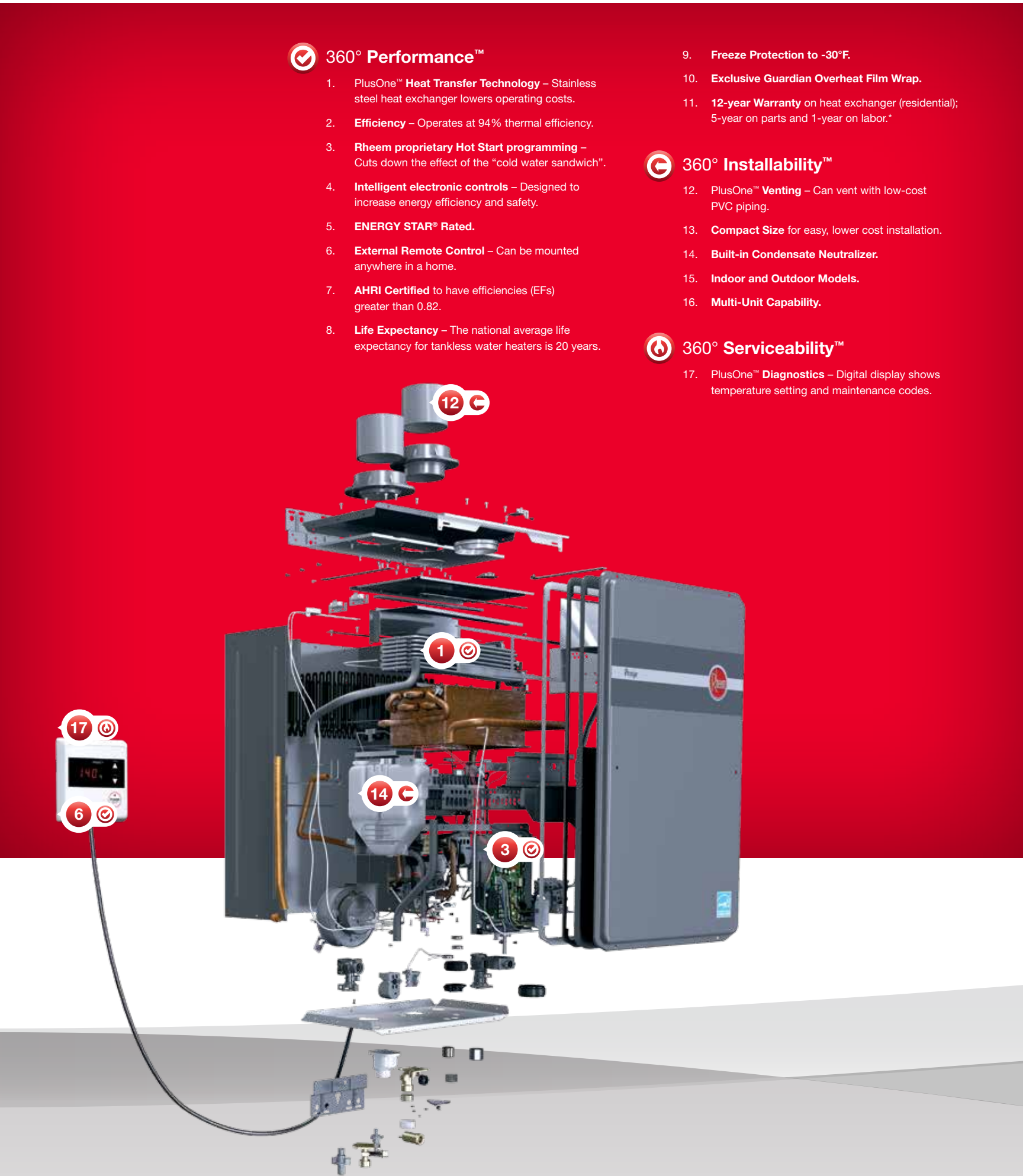
9. **Freeze Protection** to -30°F.
10. **Exclusive Guardian Overheat Film Wrap.**
11. **12-year Warranty** on heat exchanger (residential); 5-year on parts and 1-year on labor.*

360° Installability™

12. **PlusOne™ Venting** – Can vent with low-cost PVC piping.
13. **Compact Size** for easy, lower cost installation.
14. **Built-in Condensate Neutralizer.**
15. **Indoor and Outdoor Models.**
16. **Multi-Unit Capability.**

360° Serviceability™

17. **PlusOne™ Diagnostics** – Digital display shows temperature setting and maintenance codes.



Everything You Need To Know... And Then Some.

Product Specifications



New Prestige™ Series Hybrid Heat Pump Water Heater

Gallon Capacity	Model Number	Compressor BTU/H	First Hour Rating GPH
50	HB50RH	8700	57
Recovery in GPH @ 90°F Rise	Height A	Diameter B	Unit Weight (LBs)
21	75 1/2"	21"	180
Shipping Weight (LBs)	Energy Saver	Average Annual Operating Cost	EcoNet Capability
248	2.45 EF	\$191	Yes



New Prestige™ Series Condensing Power Direct Vent Water Heater

Gallon Capacity	Model Number	First Hour Rating GPH	Recovery in GPH @ 90°F Rise
48	RHE50	74	48.5
Height to Vent	Diameter	Vent Size	Shipping Weight (LBs)
71	22 1/8"	2 or 3	250
Energy Factor	Average Annual Operating Cost	EcoNet Capability	
.80	\$228	N/A	



Learn more about the new Prestige™ High Efficiency products online at MyRheem.com/360

Prestige™ Series Condensing Tankless Water Heater



Indoor



Outdoor

Model Number	Gas Input BTU/H	Temperature Range	Minimum Flow/ Activation GPM
Indoor RTGH-95DVLN Outdoor RTGH-95XLN	11,000 - 199,900	85° - 140°	0.26/0.40
GPM @ 77°F Rise Maximum	GPM @ 45° Rise Maximum	Maximum GPM	Water Connection
4.9	8.4	9.5	3/4
Gas Connection	Height	Width	Depth
3/4	27 1/2"	18 1/2"	9 3/4"
Vent Diameter	Shipping Weight (LBs)	Energy Factor	% of Thermal Efficiency
Indoor 2" or 3" PVC 2-Pipe Outdoor N/A	82	.94	94%
Average Annual Operating Cost	EcoNet Capability		
Natural Gas \$194 Liquid Propane \$326	N/A		



EcoNet™ is an innovative technology exclusively from Rheem that will allow monitoring and controlling of Rheem air conditioning, heating, water heating, and pool heating systems – all from a single access point. Products that feature EcoNet will communicate with each other, simplifying installation, maintenance and troubleshooting, as well as ensuring optimal performance and energy efficiencies for homeowners. EcoNet comes standard on the new Hybrid Electric Heat Pump Water Heater. Its intuitive interface provides easy interaction with advanced diagnostic and service capabilities for contractors, and makes it simple for homeowners to program. It is also future-compatible with home automation, energy management and demand response systems.

For compatibility with other Rheem appliances and to learn more about the EcoNet feature set, visit Rheem.com/Econet.



The new degree of comfort.™

Why Rheem?

Relationships, Dedication and Innovation.

Rheem makes our customers our first priority. Our approach as a company is to keep the dialog going and to listen. Then act. The innovations we've developed throughout the years in both the Water Heating and HVAC industries are a direct result of that process. And we have a series of industry firsts because of it.

The first-to-market hybrid electric water heater using heat pump technology, first integrated heating and water system with one manufacturer and one warranty, the first (and only) award-winning commercial integrated air and water heating system — H₂AC, the first 34" gas furnace cabinet, first modulating gas furnace, first use of Scroll compressor technology for an entire line of products, first residential convertible package unit, and the first complete line of 14 SEER remote condensing units and heat pumps.

These are just a few of the accomplishments we're proud to say were achieved through this process, and there are more to come. Rheem is dedicated to providing the products your customers need and the opportunities you want to expand your offerings and increase profitability. That's the Rheem 360°+1 approach to partnership. For more information, please visit us at **MyRheem.com/360**.

