MAXIMUS™

Rheem® Maximus™ Super High Efficiency Gas Water Heater with LeakSense™

Maximum Efficiency
Powerful Performance

In Latin, the word "Maximus" means "the greatest," and the Rheem® Maximus™ Super High Efficiency Gas Water Heater lives up to its name. It was designed by plumbers and perfected by Rheem engineering to give homeowners continuous hot water, MaxMode™ and smart features—all from a water heater that installs as easily as a standard product.

Not only did we make it easy to install and service, but we also made it powerful, smart and dependable. So when you're looking for a gas water heater for your homeowners, why look for the best when you can install the greatest?

SMART
CONTROL

**Built-in EcoNet®
Wi-Fi Technology**
Allow your homeowners to control and optimize their water heater experience from their phone[3]

MAXIMUM
EFFICIENCY

Up to 0.90 UEF
Reduces energy usage and carbon footprint by up to 36%[1] while still heating water 2X faster than a standard gas tank[2]

ENERGY STAR® certified

POWERFUL
PERFORMANCE

Fast Recovery
Provides up to 2.5X the hot water of a standard 50-gallon water heater[4], enough for up to seven simultaneous showers[5]

SMART
PROTECTION

**LeakSense™ Leak
Detection System**
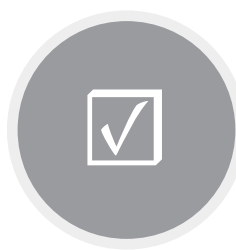Detects any water leak—large or small, internal or external[6]

Easy to Sell. Easy to Install. Easy to Service.

Rheem® Maximus™ is what you've been waiting for. Now you can give more homeowners the continuous hot water they want without the costs typically required, from a tank that installs no different than the many you've installed before. Because Maximus was designed by plumbers and perfected by Rheem engineering, it's a win-win solution that makes you come out looking like a hero.

Advanced Diagnostics

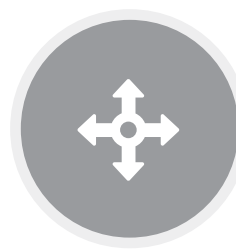View detailed diagnostics, alerts and alarm codes while at the water heater to expedite service.

Leak Sensor Channel

Leak sensor replacement is easy by opening the thermostat panel and snaking the new leak sensor down the channel—360° protection, all from the front of the tank.

0" Clearance on Sides

Fits in a closet and is fully serviceable from the front.

Start Up Verification

Be 100% sure your customer is up and running before you leave the job to prevent callbacks.

Perfect for Replacement

Easy replacement with the same dimensions as a standard gas water heater.

Contact Info in the App

If anything ever goes wrong, your contact info in the EcoNet® App gives homeowners an easy way to reach and share codes with you for repeat business and simpler service calls.

Maximum Efficiency

As the most efficient water heater in its class, Maximus™ is ENERGY STAR® certified and helps deliver up to $1,100+ in energy cost savings over 12 years.[7] And it may save even more with available tax credits or local utility rebates.

Earth-Friendly Design

Maximus was designed with a powerful, efficient burner that helps it outperform, so there's no need to choose between sustainability goals and enjoying hot water. It helps homeowners reduce their carbon footprint and energy use by up to 36%[1] and reduce their NOx emissions up to 75%.[8]
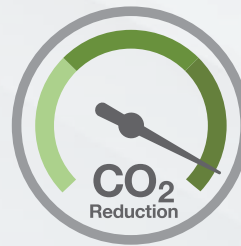
Save Water with Recirculation

Pair with a recirculation pump (sold separately) to save over 3,000 gallons of water from being wasted down the drain each year.[9]

Space Heating Ready

Side connections built-in so it can be used with a hydronic air handler for space heating—no need for a second tank or a furnace.

· SUSTAINABILITY · STANDOUT ™

This product meets a stringent set of our internally defined sustainability standards

CO₂ Reduction

This Product Demonstrates a BRAND BEST Level of CO₂ Reduction*

*As compared to our baseline product

Powerful Performance

With an efficient yet powerful burner, a 50-gallon Maximus™ produces up to 2.5X the hot water of a standard tank. So homeowners will never worry about running out of hot water while they do the dishes, wash the laundry or even run continuous back-to-back showers.
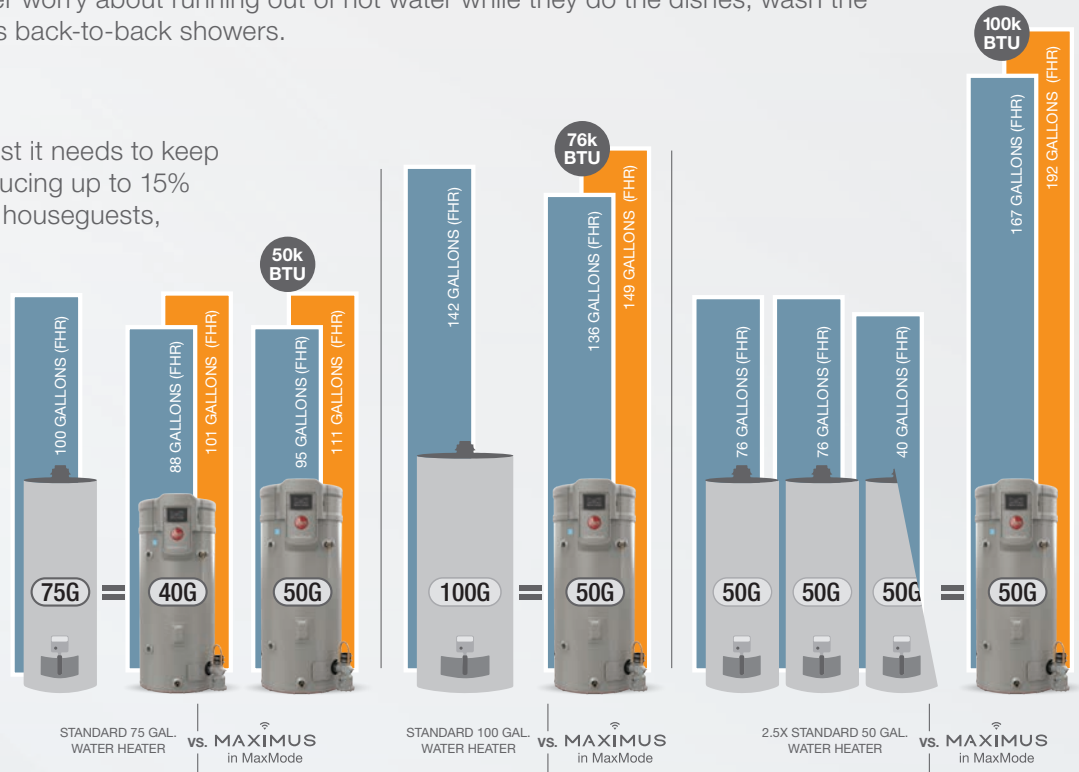
MaxMode™

Gives the water heater the boost it needs to keep up when demand is high, producing up to 15% more hot water.[10] So even with houseguests, homeowners are covered.

EVERYDAY NEEDS

MaxMode / High Demand

Hot Water Performance

- █ STANDARD FHR
- █ MAXMODE FHR

50k BTU

100 GALLONS (FHR)

88 GALLONS (FHR) · 101 GALLONS (FHR)

95 GALLONS (FHR) · 111 GALLONS (FHR)

75G = 40G · 50G

STANDARD 75 GAL. WATER HEATER vs. MAXIMUS in MaxMode

76k BTU

142 GALLONS (FHR)

136 GALLONS (FHR) · 149 GALLONS (FHR)

100G = 50G

STANDARD 100 GAL. WATER HEATER vs. MAXIMUS in MaxMode

100k BTU

167 GALLONS (FHR) · 192 GALLONS (FHR)

76 GALLONS (FHR) · 76 GALLONS (FHR) · 40 GALLONS (FHR)

50G · 50G · 50G = 50G

2.5X STANDARD 50 GAL. WATER HEATER vs. MAXIMUS in MaxMode

First Hour Rating (FHR):
Gallons of hot water produced per hour, starting with a full tank.

Fast Recovery

Replenishes hot water up to 2X faster than a standard gas tank to provide continuous hot water, up to 3.8 Gallons Per Minute[11], so you can take as many showers back-to-back as you need. With the tank capacity added to the fast recovery, Maximus is capable of providing hot water for up to seven simultaneous showers.*
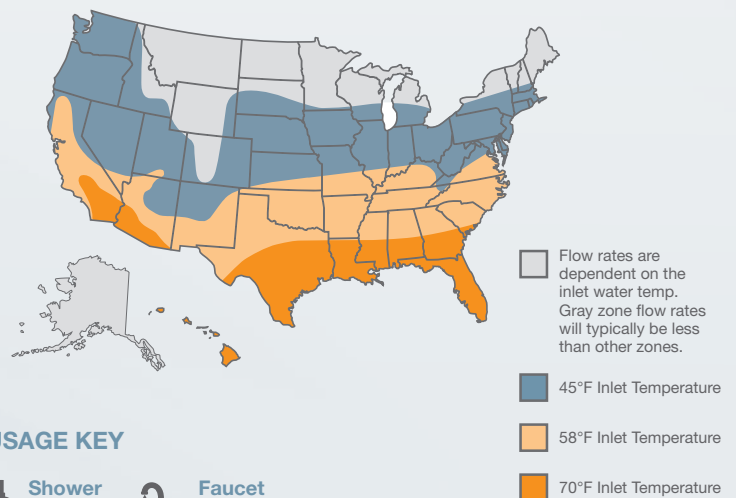
Continuous Hot Water Volume

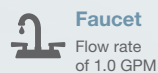| Models:	Inlet Temperature 45°	Inlet Temperature 58°	Inlet Temperature 70°
40G-50K	Faucet	Faucet	Faucet
50G-50K	Faucet	Faucet	Faucet
50G-76K	Faucet	Shower	Shower
50G-100K	Shower	Shower + Faucet	Shower + Faucet

Total simultaneous hot water flow for a continuous duration.

Maximum Simultaneous Hot Water Volume

Models:	Inlet Temperature 45°	Inlet Temperature 58°	Inlet Temperature 70°
40G-50K	3 Showers + Faucet	4 Showers	4 Showers + Faucet
50G-50K	4 Showers	4 Showers	5 Showers + Faucet
50G-76K	4 Showers + Faucet	5 Showers	6 Showers
50G-100K	5 Showers	5 Showers + Faucet	6 Showers
TOTAL # OF SHOWERS | 140°F SET-POINT | 2 GPM SHOWER			

Total simultaneous hot water flow for an 8-minute duration.

Flow rates are dependent on the inlet water temp. Gray zone flow rates will typically be less than other zones.

- █ 45°F Inlet Temperature
- █ 58°F Inlet Temperature
- █ 70°F Inlet Temperature

USAGE KEY

Shower — Flow rate of 2.0 GPM

Faucet — Flow rate of 1.0 GPM

Inlet Temperature: The temperature of cold water before it enters your water heater.

Approximate Usage: Shower temperature of 105°F. Flow rates vary depending on temperature of incoming cold water and water heater set temperature.

Smart Control

Wi-Fi Monitoring

With integrated Wi-Fi and the EcoNet® App, homeowners can enjoy complete control—like adjusting water temperature and setting Vacation / Away or MaxMode™—and know when their water heater needs service. It's all possible with the Rheem® Maximus™ Water Heater.

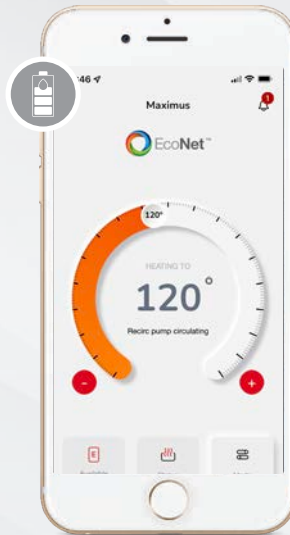### Hot Water Availability Indicator

This lets homeowners know how much hot water is available before jumping into the shower.

Scheduling

Homeowners can program the water heater to match household needs throughout the day.

Mobile Alerts

Maximus notifies the homeowner immediately of leaks and service needs through the EcoNet App[3].

Total Control

The EcoNet App allows homeowners to check hot water availability, adjust the temperature or turn on a recirculation pump accessory.

Energy Usage Tracking

The homeowner can view weekly, monthly and yearly energy usage reports to better manage consumption[3].

NOTE: *EcoNet App subject to change without notice.*
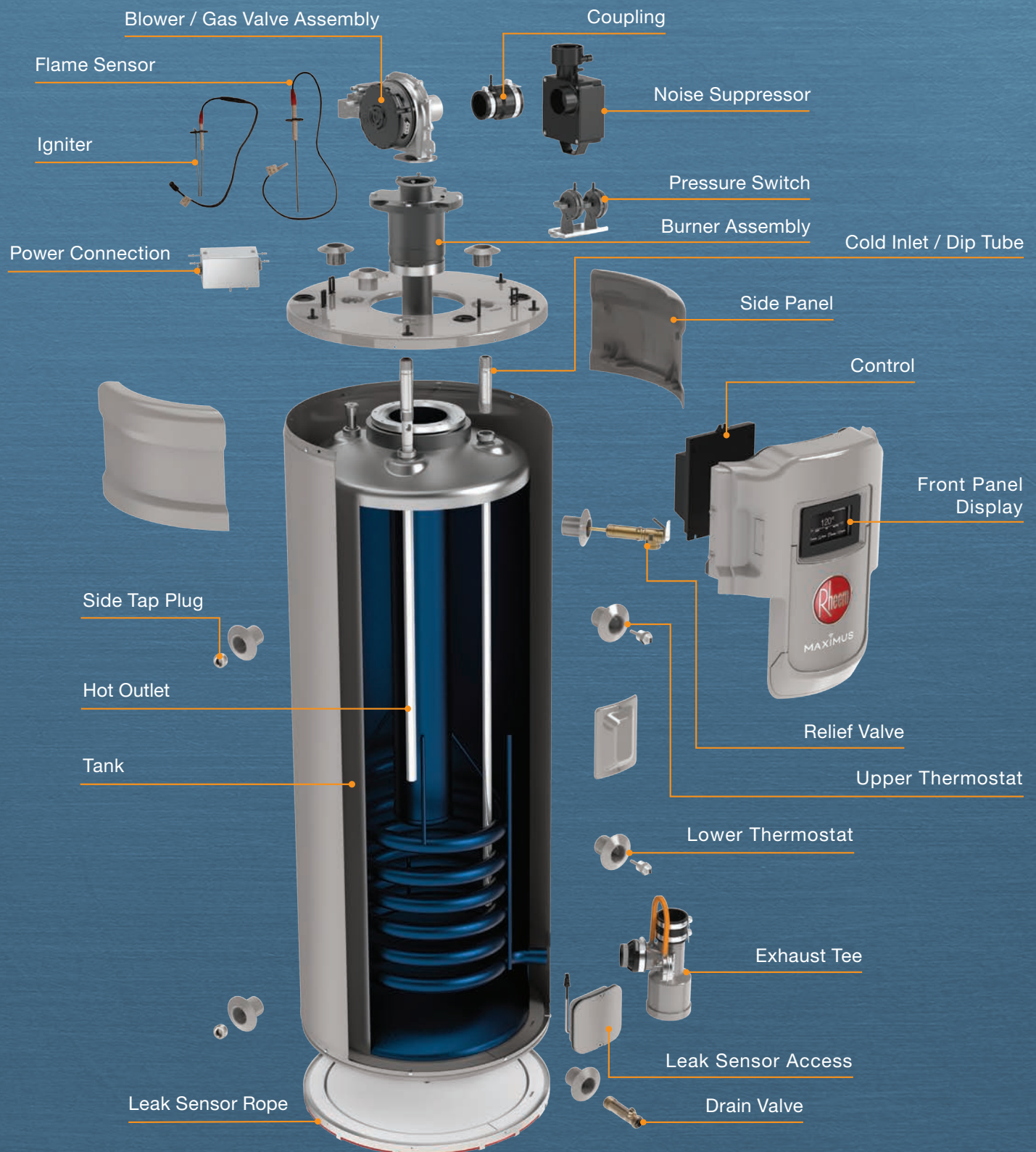
Smart Protection

Leak Detection

Maximus was designed with homeowner comfort and safety in mind. It features LeakSense™ leak detection system that detects any leak—large or small, internal or external—in less than 15 seconds[6] and alerts the homeowner through the EcoNet App and on-unit display.

Add Leak Prevention

When you add a LeakGuard™ Auto Water Shut-off Valve Kit (Part SP21172), Maximus can stop leaks before they become a problem. LeakGuard protects your homeowners' belongings by limiting leaks to no more than 20 ounces[12].

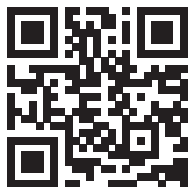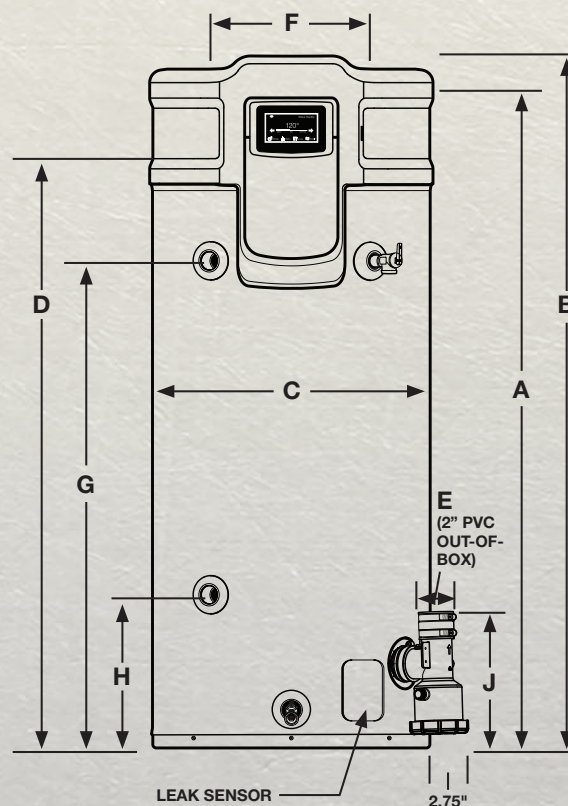# Built to be better for the
Homeowner—and You

Blower / Gas Valve Assembly

Coupling

Flame Sensor

Noise Suppressor

Igniter

Pressure Switch

Burner Assembly

Cold Inlet / Dip Tube

Power Connection

Side Panel

Control

Front Panel Display

Side Tap Plug

Hot Outlet

Relief Valve

Tank

Upper Thermostat

Lower Thermostat

Exhaust Tee

Leak Sensor Access

Drain Valve

Leak Sensor Rope

Maximus™ Specifications

DESCRIPTION				FEATURES								ROUGHING IN DIMENSIONS (SHOWN IN INCHES)										ENERGY INFO.
TYPE	NOMINAL GALLON CAP.	RATED GALLON CAP.	MODEL NUMBER	GAS INPUT IN THOUS. BTU/H		RECOVERY IN G.P.H. 90° F RISE		FIRST HR. RATING (GALLONS)		MAXMODE™ DELIVERY (GALLONS)		HEIGHT TO INTAKE A	OVERALL UNIT HEIGHT B	DIAM. C	HT. TO GAS CONN. D	VENT SIZE E	WATER CONN. CENTER F	HT. TO SIDE TAP HOT G	HT. TO SIDE TAP COLD H	HT. TO EXHAUST J	WATER CONN. SIZE	SHIP WT. (LBS)	UNIFORM ENERGY FACTOR (UEF)
				NAT.	LP	NAT.	LP	NAT.	LP	NAT.	LP												
Tall	40	40	PROP G40-50U RH HE EC3	50	–	64	–	88	–	101	–	54-1/4	54-1/2	21-3/4	50-1/4	2", 3", 4", 2" or 3" Flex	8	38	12	10	3/4	221	0.90
Tall	40	40	PROP G40-50P RH HE EC3 (H)	–	50	–	64	–	88	–	101	54-1/4	54-1/2	21-3/4	50-1/4	2", 3", 4", 2" or 3" Flex	8	38	12	10	3/4	221	0.90
Tall	50	50	PROP G50-50U RH HE EC3	50	–	64	–	95	–	109	–	64-1/4	65-1/2	21-3/4	61	2", 3", 4", 2" or 3" Flex	8	48	12	10	3/4	247	0.88
Tall	50	50	PROP G50-50P RH HE EC3 (H)	–	50	–	64	–	95	–	109	64-1/4	65-1/2	21-3/4	61	2", 3", 4", 2" or 3" Flex	8	48	12	10	3/4	247	0.88
Tall	50	50	PROP G50-76U RH HE EC3	76	–	97	–	136	–	156	–	64-1/4	65-1/2	21-3/4	61	2", 3", 4", 2" or 3" Flex	8	48	12	10	3/4	256	0.89
Tall	50	50	PROP G50-76P RH HE EC3	–	76	–	97	–	136	–	156	64-1/4	65-1/2	21-3/4	61	2", 3", 4", 2" or 3" Flex	8	48	12	10	3/4	256	0.89
Tall	50	50	PROP G50-100U RH HE EC3	100	–	128	–	167	–	192	–	64-1/4	65-1/2	21-3/4	61	2", 3", 4", 2" or 3" Flex	8	48	12	10	3/4	256	0.89
Tall	50	50	PROP G50-100P RH HE EC3	–	100	–	128	–	167	–	192	64-1/4	65-1/2	21-3/4	61	2", 3", 4", 2" or 3" Flex	8	48	12	10	3/4	256	0.89

Uniform Energy Factor and rated gallon capacity based on Department of Energy (DOE) requirements.
All units have integrated Wi-Fi control board.
(H) denotes high altitude LP model required for 2000-7800 feet.

LEAK SENSOR

2.75"

E (2" PVC OUT-OF-BOX)

CONTACT US

Customer Service, Warranty and Parts: 800.621.5622

Technical Service: 800.HEATER3 (800.432.8373)

EcoNet® Support: 800.255.2388

Plumber Support Group: 866.339.2388