

Your Neighborhood Water Heater Source



RELIANCE

The Brand Created for You and Your Customers.

Reliance Water Heater Company was founded in 1981 to serve the needs of hardware and home improvement retailers and their "do-it-yourself" customers. Our mission was twofold:

- **Maximize retailers' profit potential with a "Good-Better-Best" line of innovative water heaters, industry-leading service, plus parts, accessories and "self-selling" merchandising materials.**
- **Help consumers select the best water heater for their family, while providing everything they need to install and maintain it properly.**

More than a quarter century later, much has changed in water heating technology and in retailers' customer base. Increasingly, plumbing contractors are taking advantage of the one-stop convenience of retail stores to meet their customers' needs for professional quality water heaters and other plumbing products.

Over time, the Reliance program has evolved to help you get the most out of every sales opportunity and become recognized as "Your Neighborhood Water Heater Source" in your community. Our commitment to delivering our promises remains as strong as ever! We are proud to present **your** Reliance Water Heater Company.

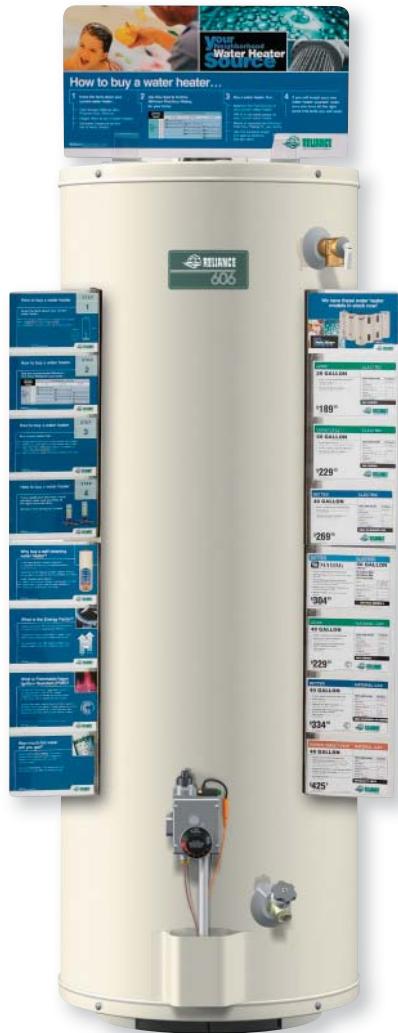
Contents

BEST 1212 Gas	4 - 5	BETTER 909 Electric	12
BETTER 909 Gas	6	GOOD 606 Electric	13
GOOD 606 Gas	7	GOOD 606 Compact and Mobile Home Electric	14
GOOD 606 Mobile Home Gas	8	GOOD 100 Series Point-of-Use Electric	15
GOOD 606 and BETTER 805 Power-Vent Gas	9	Water Heater Expansion Tanks	15
GOOD 606 Direct-Vent Gas	10	Water Heater Selection Guide	16
BEST LIFETIME and 1212 Electric	11	Reliance Commercial Water Heaters	17 - 18
		Reliance Pump Tanks	19



MERCHANDISING

Get the Most from Your Reliance In-Store Display.



Display space is precious in any store, where profit is measured by square foot. Whether you have space to display a single Reliance water heater or a full "Good-Better-Best" selection, the Reliance merchandising program is crafted to meet your need to maximize sales impact.

Reliance header cards, information cards and sales brochures allow you to select from every water heater you stock, using as little as 6 square feet of floor space. They clearly present comparisons between Good, Better and Best features and benefits, to demonstrate that a Reliance Lifetime, 1212 or 909 model delivers more hot water, higher efficiency and longer life. And of course, a Best or Better water heater sale means higher margins, which is best for you!

Choose from over 120 Reliance Water Heaters

LIFETIME Electric Star-Kleen® Lifetime	BETTER Gas and Electric Self-Cleaning 606	Power-Vent Sidewall Gas
• Gas First Hour Ratings up to 87 gallons	• Gas First Hour Ratings up to 87 gallons	• First Hour Ratings up to 120 gallons
• Electric First Hour Ratings up to 87 gallons	• Electric First Hour Ratings up to 87 gallons	• Gas tank and parts warranty
• Self-cleaning design	• Self-cleaning design	• Horizontal vent and intake line up to 45 feet
• "Star-Kleen" design	• "Star-Kleen" design	• First Hour Ratings up to 90 gallons
• Lifetime tank and parts warranty	• Lifetime tank and parts warranty	• Horizontal vent and intake line up to 45 feet
• 12-year tank and parts warranty	• 12-year tank and parts warranty	• First Hour Ratings up to 90 gallons

Best Gas and Electric Star-Kleen® 1212

- Gas First Hour Ratings up to 107 gallons
- Electric First Hour Ratings up to 107 gallons
- Self-cleaning design
- "Star-Kleen" design
- "Star-Kleen" water heater utility rebate programs
- 12-year tank and parts warranty

909 Gas and Electric

- Gas First Hour Ratings up to 91 gallons
- Electric First Hour Ratings up to 91 gallons
- Self-cleaning design
- "Star-Kleen" design
- "Star-Kleen" water heater utility rebate programs
- 12-year tank and parts warranty

We make an important decision easy!

Next, size up your First Hour Rating target...
A water heater's First Hour Rating is the amount of hot water it will deliver during your family's peak demand periods. Your number one concern should be to buy a Reliance water heater with a First Hour Rating that matches your needs.

Use this chart to find your minimum First Hour Rating requirement.

NUMBER OF BATHROOMS	1 to 1.5	2 to 2.5	3 to 3.5
1	MINIMUM FIRST HOUR RATING	MINIMUM FIRST HOUR RATING	MINIMUM FIRST HOUR RATING
2	MINIMUM FIRST HOUR RATING	MINIMUM FIRST HOUR RATING	MINIMUM FIRST HOUR RATING
3	MINIMUM FIRST HOUR RATING	MINIMUM FIRST HOUR RATING	MINIMUM FIRST HOUR RATING
4	MINIMUM FIRST HOUR RATING	MINIMUM FIRST HOUR RATING	MINIMUM FIRST HOUR RATING
5	MINIMUM FIRST HOUR RATING	MINIMUM FIRST HOUR RATING	MINIMUM FIRST HOUR RATING

These recommendations are based on a 100% First Hour Rating target at 100% of tank capacity. If you have an intermediate tank size, add 10 Gallons. If you have an intermediate tank size, add 10 Gallons. For every bathroom living in the home, choose a water heater with a minimum First Hour Rating target of 100% of tank capacity.

Once you know your First Hour Rating target, review your Reliance Water Heater choices...

Parts provide the total package.

When a consumer buys a water heater, they should leave your store with all the parts, tools and accessories required to do the job right, without a second visit. Parts and accessories are also essential elements of a well-balanced and complete plumbing department that professional contractors depend on for one-stop shopping convenience.

Reliance offers complete gas and electric water heater installation kits, drain pans and many other water heater installation parts, plus replacement electric heating elements, gas and electric thermostats, and more, to ensure that your store is the complete Neighborhood Water Heater Source!



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Reliance 1212

The Best of Everything.

Energy-saving Heat Traps

on cold water inlet and hot water outlet keep heat from escaping during "standby" periods.

Superior protection

against corrosion

The patented Reliance Blue Steel™ glass lining formula, enriched with higher levels of zircon, provides over twice the corrosion resistance compared to industry-standard glass lining.

Self-cleaning

Sta-Kleen® feature

Specially designed "dip tube" creates turbulence that reduces sediment buildup in the tank. A water heater with reduced sediment inside will last longer, remain energy efficient and keep saving money on energy costs (see page 5).

C3 Technology®

gas water heater design

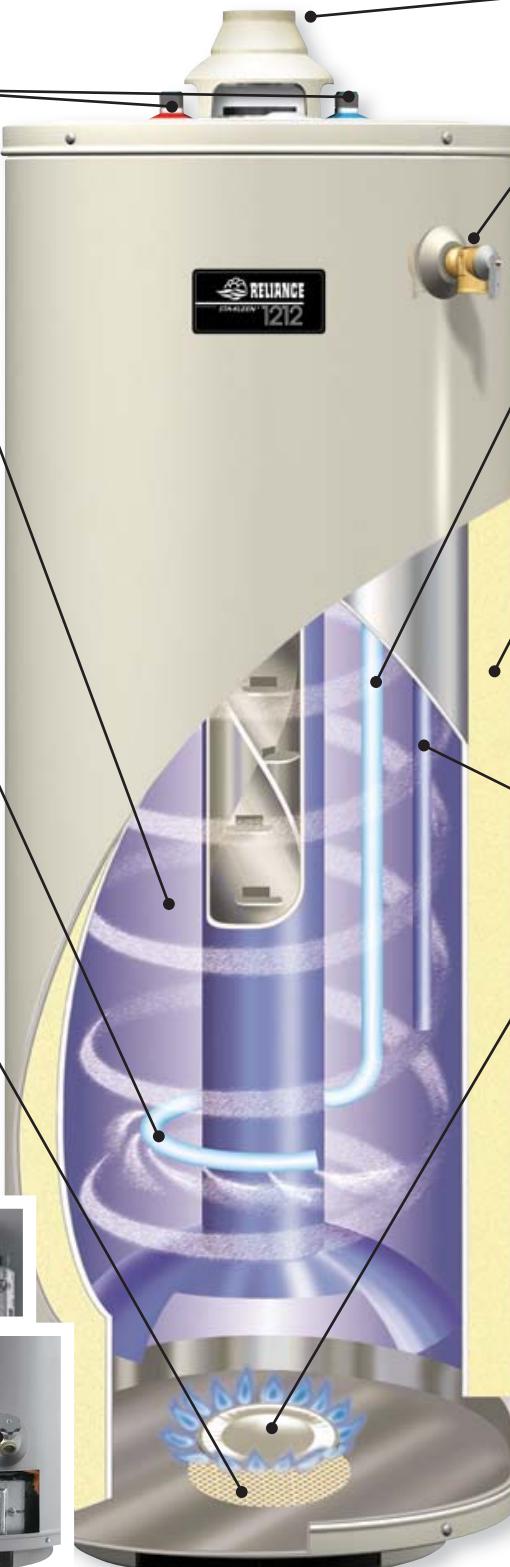
Meets federal standards dealing with the ignition of flammable vapors outside the water heater. Exclusive non-metallic Corderite flame arrestor will not warp or conduct heat (see page 6).

Easy-to-light Piezo Igniter

Fast, "one-hand" pilot ignition.

Plastic Drain Valve

For easy burner inspection. Standard on all C3 Technology gas models.



Draft Diverter

Innovative stepped design allows easy connection to 3" or 4" vent pipe without any adapters. On 9 and 12 year models*.

Temperature & Pressure (T&P) Relief Valve

A vital safety feature required on every water heater and installed at the factory.

Long-lasting PEX Dip Tubes on all Reliance models

Made from "cross-linked" PEX polymer. Withstands long-term exposure to the hottest water temperatures.

Energy-saving Foam Insulation

Protects against radiant heat loss from water in tank. 2" thickness on Reliance 1212 gas, 3" thickness on Reliance Lifetime and 1212 electric.

Heavy-duty Dual Anode Rods

Provides extra protection against corrosion for improved tank life.

Eco-friendly Green Choice® Gas Burner

Standard on all Reliance gas water heaters, reduces NOx emissions by up to 33%, complies with Southern California and Texas requirements.



Life-long Heating Elements

Standard on Reliance Lifetime and 1212 electric models. Highest-quality Incoloy nickel-chromium sheath for superior resistance to overheating and burnout. Most efficient and durable low-watt density design.

* 50,000 BTU input and up models require 4" vent.

BEST

Sta-Kleen® 1212 Series Gas

- **(HO) High Output** 40 and 50-gallon models deliver First Hour Ratings up to 97 gallons
- **(HE) High Efficiency** models have highest Energy Factors for lowest operating costs, qualify for most utility rebate programs
- **Self-cleaning Sta-Kleen® dip tube** helps water heater last longer
- **Maximum 12-year tank and parts warranty**
- **1-year labor warranty**
- **Energy-saving features include heat traps, 2"-thick foam insulation**
- **Piezo igniter** allows for easy, "one-hand" pilot ignition
- **Patented Blue Steel™ glass lining** enriched with higher levels of zircon for ultimate protection against corrosion
- **Heavy-duty dual anode rods** provide extra protection against tank corrosion
- **Eco-friendly Green Choice® gas burner** — reduces NOx emissions by 33% over standard burners
- **C3 Technology® flammable vapor ignition resistant design**
- **Factory-installed Temperature & Pressure (T&P) Relief Valve**

BEST — Sta-Kleen® 1212 Series Gas

Model Number*	Type	Tank Size Gallons	Natural Gas**					Height***	Diameter
			First Hour Rating	Input BTUs/Hour	Recovery 90° Rise Gallons/Hr.	Energy Factor			
12 30 YART	Tall	30	66	40,000	40	.61	61"	16"	
12 40 YARS	Short	40	71	40,000	40	.59	51-5/8"	20"	
12 40 YART	Tall	40	71	40,000	40	.59	59-7/8"	18-1/2"	
12 40 YXRT	Tall — HE	40	81	40,000	41	.63	63-1/2"	20-1/2"	
12 40 YQRT	Tall — HO	38	88	50,000	50	.60	58-1/2"	20-1/2"	
12 50 YQRT	Tall — HO	48	90	50,000	50	.58	60-7/8"	20"	
12 50 YART	Tall	50	91	40,000	40	.58	60-7/8"	20"	
12 50 YXRT	Tall — HE	50	97	40,000	41	.63	65"	22"	

* For Propane Gas Water Heaters, change "Y" to "H" in model number (example: 12 30 HART).

** Some Propane Gas models have slightly lower inputs than Natural Gas models, which may reduce First Hour Rating and recovery by up to 3 gallons on Propane models.

*** Height dimension is to the top of the draft diverter.



Reliance Fact: Sediment and Self-Cleaning

Across the country, water contains microscopic particles of lime and other sediments. Sediment is harmless for drinking. When water is heated, however, sediment "precipitates out" and collects in the bottom of the tank or on electric heating elements. Sediment interferes with heat transfer to the water, which reduces energy efficiency and increases operating costs. Sediment also concentrates heat in the bottom of the tank, which can promote metal fatigue and a premature tank leak.

Reliance self-cleaning water heaters use the force of incoming cold water to create turbulence inside the tank. This helps keep sediment particles in suspension, so they are carried out with hot water before they can settle. The result? A water heater that stays energy efficient, keeps saving money and lasts longer!



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BETTER

909 Series Gas: Self-Cleaning

- **30, 40 and 50-gallon models with First Hour Ratings up to 87 gallons**
- **Self-cleaning Sta-Kleen® PEX dip tube helps water heater last longer**
- **9-year tank and parts warranty**
- **1-year labor warranty**
- **Glass-lined tank with heavy-duty anode rod protects against corrosion**
- **Eco-friendly Green Choice® gas burner — reduces NOx emissions by 33% over standard burners**
- **Piezo igniter allows for easy “one-hand” pilot ignition**
- **C3 Technology® flammable vapor ignition resistant design**
- **Factory-installed Temperature & Pressure (T&P) Relief Valve**

BETTER — 909 Series Gas

Model Number*	Type	Tank Size Gallons	Natural Gas**					Height***	Diameter
			First Hour Rating	Input BTUs/Hour	Recovery 90° Rise Gallons/Hr.	Energy Factor			
9 40 YKRT	Tall	40	71	40,000	41	.59	59-7/8"	18-1/2"	
9 40 YKRS	Short	40	71	40,000	41	.59	51-7/8"	20"	
9 50 YKRT	Tall	50	91	40,000	41	.59	60-7/8"	20"	

* For Propane Gas Water Heaters, change “Y” to “H” in model number (example: 9 40 HKRS).

** Some Propane Gas models have slightly lower inputs than Natural Gas models, which may reduce First Hour Rating and recovery by up to 3 gallons on Propane models.

*** Height dimension is to the top of the draft diverter.

Draft diverter outlet size is 3" with integrated adapter for 4" vent option.

Reliance Fact: Flammable Vapor and C3 Technology®

Gasoline and other common household products (like paint thinner) give off invisible, flammable vapors that travel on the air and can be ignited in a number of ways...by an electrical spark, a lighted match, or the pilot flame or burner of a gas appliance.

Reliance C3 Technology® gas water heaters are designed to help protect against personal injury or property damage by containing accidental flammable vapor ignition inside the water heater. There is no substitute, however, for common-sense precautions like...

- Use gasoline as a motor fuel only, never as a solvent or cleaning fluid.
- Store gasoline only in approved, properly sealed containers.
- Store flammable liquids away from gas appliances and out of the reach of children.



GOOD

606 Series Gas

- **(HO) High Output** models feature high inputs and/or larger gallon capacity for maximum hot water
 - 40 and 50-gallon models are equipped with a sediment-reducing dip tube
- **(HE) High Efficiency** models qualify for most utility rebate programs
- **6-year tank and parts warranty**
- **Glass-lined tank with anode rod** protects against corrosion
- **PEX dip tube**
- **Eco-friendly Green Choice® gas burner** — reduces NOx emissions by 33% over standard burners
- **Piezo igniter** allows for easy “one-hand” pilot ignition
- **C3 Technology®** flammable vapor ignition resistant design on 30, 40 and 50-gallon models
- **Factory-installed Temperature & Pressure (T&P) Relief Valve**

GOOD — 606 Series Gas

Model Number*	Type	Tank Size Gallons	Natural Gas**					Height***	Diameter
			First Hour Rating	Input BTUs/Hour	Recovery 90° Rise Gallons/Hr.	Energy Factor			
6 30 YORS	Short	30	54	32,000	32	.61	48-1/4"	18-1/2"	
6 30 YORT	Tall	30	59	35,500	35	.61	61"	16"	
6 40 YORS	Short	40	63	35,500	35	.59	51-7/8"	20"	
6 40 YORT	Tall	40	70	35,500	35	.59	59-7/8"	18-1/2"	
6 40 YBRS	Short — HO	40	71	40,000	40	.59	51-7/8"	20"	
6 40 YBRT	Tall — HO	40	71	40,000	40	.59	59-7/8"	18-1/2"	
6 40 YOCT	Utility — HE	40	71	40,000	40	.62	59-7/8"	20-1/2"	
6 50 YORT	Tall	50	73	35,500	35	.58	60-7/8"	20"	
6 50 YOCT	Utility — HE	50	86	40,000	40	.62	60-7/8"	22"	
6 50 YBRT	Tall — HO	50	91	40,000	40	.58	60-7/8"	20"	
6 75 XRRS	Short — HO	74	N/A	75,100	81	N/A	61"	26-1/2"	
6 100 XRRT	Tall — HO	100	N/A	75,100	81	N/A	72"	26-1/2"	

* For Propane Gas Water Heaters, change “Y” to “H” or “X” to “C” in model number (example: 6 30 **H**ORS or 6 75 **C**RRS).

** Some Propane Gas models have slightly lower inputs than Natural Gas models, which may reduce First Hour Rating and recovery by up to 3 gallons on Propane models.

*** Height dimension is to the top of the draft diverter. Draft diverter outlet size is 3" except 75,100 BTU models, which require a minimum vent size of 4".



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GOOD

606 Series Gas: Mobile Home

- **All models meet HUD requirements for manufactured housing installation**
- **Available in atmospheric (standard-vent) or sealed combustion direct-vent designs**
Roof jack kits available for direct-vent models, with intake air and exhaust vents
- **Convertible gas control for natural or propane gas operation**
- **6-year tank and parts warranty**
- **Glass-lined tank with anode rod protects against corrosion**
- **Eco-friendly Green Choice® gas burner — reduces NOx emissions by 33% over standard burners**
- **Factory-installed Temperature & Pressure (T&P) Relief Valve**

GOOD — Mobile Home 606 Series Gas							
Model Number	Tank Size Gallons	Natural/Propane Gas			Energy Factor	Height***	Diameter
		First Hour Rating	Input BTUs/Hour	Recovery 90° Rise Gallons/Hr.			
ATMOSPHERIC STANDARD-VENT MODELS							
6 30 NOMT 2	30	54	30,000	31	.61	59-1/2"	18"
6 40 NOMT 2	40	63	30,000	31	.59	60"	20"
SEALED COMBUSTION DIRECT-VENT MODELS							
6 30 NHDST2	30	54	30,000	31	.61	56"	18"
6 40 NHDST2	40	64	32,000	33	.59	56-1/2"	20"

*** Height dimension is to the top of the draft diverter.



Reliance Fact: Mobile Home Water Heaters

If you need a water heater for a mobile home, never install a "standard" gas water heater. "Standard" gas water heaters are not approved for use in mobile homes. Water heaters in mobile homes must comply with special design features required by HUD and the American National Standards Institute (ANSI). Reliance offers gas mobile home water heaters that meet these requirements. Make sure you select a model with the right venting system for your mobile home. There are two options:

- Standard-Vent, for installation when the only access to the water heater compartment is from outside the home, and there is permanent separation between the water heater and the home's living area.
- Direct-Vent, for installation when the only access to the water heater compartment is from inside the home, or if the water heater being replaced is a direct-vent design.



POWER-VENT

GOOD: 606 SERIES

BETTER: 805 SERIES

C3 Technology® Flammable Vapor Ignition Resistant Design on 40 and 50-Gallon Models

- **Combined horizontal and vertical vent runs up to 120 equivalent feet using 3" vent pipe (up to 100' using 4" vent pipe on 74 gal. models)**
- **Vents using inexpensive Schedule 40 PVC, CPVC or ABS pipe**
- **More powerful modular blower with 110/120 volt electrical system, 7-foot cord, 3-prong male connector**
- **Good 606 Series — 6-year tank and parts warranty**
- **Better 805 Series — 8-year tank warranty, 5-year parts warranty**
- **Advanced Intelli-Vent®* gas control valve, with premium-grade silicon nitride hot surface igniter — no standing pilot saves energy**
- **Glass-lined tank with anode rod protects against corrosion**
- **Eco-friendly Green Choice® gas burner — reduces NOx emissions by 33% over standard burners**
- **Factory-installed Temperature & Pressure (T&P) Relief Valve**

POWER-VENT — 606 Series & 805 Series

Model Number*	Type	Tank Size Gallons	Natural Gas**					Height***	Diameter
			First Hour Rating	Input BTUs/Hour	Recovery 90° Rise Gallons/Hr.	Energy Factor			
NATURAL GAS POWER-VENT MODELS (not for mobile home use)									
8 40 YAVIT	805 Series	40	69	40,000	42	.65	63"	18-1/2"	
8 50 YAVIT	805 Series	50	83	40,000	42	.65	65"	20"	
8 75 YQVIT	805 Series	74	N/A	80,000	86	N/A	65-1/2"	25-1/2"	
6 40 YBVIT	606 Series	40	69	40,000	42	.65	63"	18-1/2"	
6 50 YBVIT	606 Series	50	83	40,000	42	.65	65"	20"	
6 75 YRVIT	606 Series	74	N/A	80,000	86	N/A	65-1/2"	25-1/2"	

* For Propane Gas Water Heaters, change "Y" to "H" in model number (example: 8 40 HAVIT).

** Some Propane Gas models have slightly lower inputs than Natural Gas models, which may reduce First Hour Rating and recovery by up to 3 gallons on Propane models.

*** Height dimension is to the top of the power-vent assembly.



Reliance Fact: Power-Vent Versatility

A "standard" gas water heater is designed to vent the products of combustion vertically, through the roof of the home, using metal vent pipe. There are some situations, however, where installing a vertical-vent water heater is not a practical option. A power-vent water heater provides versatile alternatives, because it allows venting to run up to 120 feet horizontally through an outside wall, instead of through the roof. In addition, power-vent water heaters use inexpensive, commonly available PVC, CPVC or ABS vent pipe.

* Intelli-Vent® is a registered trademark of the Emerson Electric Company.



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GOOD

606 Series Gas: Direct-Vent

- **“Coaxial” direct-vent system combines venting and air intake channels in a single pipe, requiring only one opening in the outside wall**
- **Horizontal venting and air intake up to 4 feet from outside wall, with no electrical power required**
- **Direct-vent design draws combustion air from outside the home ensuring a sufficient air supply for proper heater operation**
- **40 and 50-gallon models with First Hour Ratings up to 77 gallons**
- **6-year tank and parts warranty**
- **Piezo igniter allows for easy “one-hand” pilot ignition**
- **Glass-lined tank with anode rod protects against corrosion**
- **Eco-friendly Green Choice® gas burner — reduces NOx emissions by 33% over standard burners**
- **Factory-installed Temperature & Pressure (T&P) Relief Valve**

GOOD — 606 Series Direct-Vent

Model Number*	Tank Size Gallons	Natural Gas**					
		First Hour Rating	Input BTUs/ Hour	Recovery 90° Rise Gallons/Hr.	Energy Factor	Height***	Diameter
6 40 XODS	40	68	36,000	37	.59	63-3/4"	21"
6 50 XODS	50	77	38,000	38	.58	72-1/2"	21"

* For Propane Gas Water Heaters, change “X” to “C” in model number (example: 6 40 CODS).

** Some Propane Gas models have slightly lower inputs than Natural Gas models, which may reduce First Hour Rating and recovery by up to 3 gallons on Propane models.

*** Height dimension is minimum height to top of horizontal vent pipe.



Reliance Fact: Understanding First Hour Rating

The most useful way to help your customer select the right water heater is the use the First Hour Rating. This number tells them how many gallons of hot water a water heater will deliver during their “peak demand” periods. A typical home experiences “peak demand” twice a day...once in the morning and once in the early evening.

The First Hour Rating is based on a combination of the water heater’s tank size and its recovery...how much hot water it can heat in one hour. The Reliance Selection Guide will help your customers determine the correct First Hour Rating for their home and find the right Reliance water heater to meet their need.



BEST

Lifetime and 1212 Series Electric

- **40, 50 and 80-gallon models deliver First Hour Ratings up to 90 gallons**
- **Highest .95 Energy Factors for lowest operating costs, qualify for most utility rebate programs**
- **Self-cleaning Sta-Kleen® dip tube helps water heater last longer**
- **Lifetime warranty (LT) models covered for as long as original water heater purchaser owns the home**
- **1-year labor warranty**
- **1212 Series models covered by 12-year tank, 12-year parts warranty**
- **5500-watt Reliance LIFELONG heating elements for maximum hot water output**
- **Energy-saving features include heat traps, 3"-thick foam insulation**
- **Patented Blue Steel™ glass lining enriched with higher levels of zircon for ultimate protection against corrosion**
- **Heavy-duty dual anode rods provide extra protection against corrosion**
- **Factory-installed Temperature & Pressure (T&P) Relief Valve**



BEST — Lifetime and 1212

Model Number	Type	Tank Size Gallons	First Hour Rating	Input Watt/Hour	Recovery 90° Rise Gallons/Hr.	Energy Factor	Height	Diameter
LIFETIME ELECTRIC								
LT 50 DLRS	Medium	50	66	5500	25	.95	50"	24"
LT 50 DLRT	Tall	50	70	5500	25	.95	62"	22-1/2"
LT 80 DLRT	Tall	80	86	5500	25	.95	62"	26"
1212 SERIES ELECTRIC								
12 40 DARS	Medium	40	56	5500	25	.95	47"	22-1/2"
12 50 DARS	Medium	50	66	5500	25	.95	50"	24"
12 50 DART	Tall	50	70	5500	25	.95	62"	22-1/2"
12 80 DART	Tall	80	86	5500	25	.95	62"	26"

Reliance Fact: Lifetime Heating Elements

LIFELONG heating elements are made with the highest quality Incoloy nickel-chromium alloy steel. This superior design delivers dependable performance even when high mineral content causes lime and sand buildup that would cause other elements to burn out.

LIFELONG elements also feature the most efficient and durable extra-low-watt density design. A larger surface area spreads out wattage, reducing the heat transfer load ("watt density") to just 50 watts per square inch, compared to 100 to 150 watts per square inch on standard elements.

LIFELONG elements are proven to last longer. So Reliance backs them with a limited lifetime warranty!



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BETTER

909 Series Electric: Self-Cleaning

- **30, 40, 50, 66 and 80-gallon models deliver First Hour Ratings up to 87 gallons**
- **Self-cleaning Sta-Kleen® dip tube helps water heater last longer**
- **9-year tank and parts warranty**
- **1-year labor warranty**
- **4500-watt low-watt density heating elements for high hot water output**
- **Glass-lined tank with heavy-duty anode rod protects against corrosion**
- **Factory-installed Temperature & Pressure (T&P) Relief Valve**

BETTER — 909 Series Electric

Model Number	Type	Tank Size Gallons	First Hour Rating	Input Watt/Hour	Recovery 90° Rise Gallons/Hr.	Energy Factor	Height	Diameter
9 30 DKRT	Tall	30	47	4500	20	.95	47"	19"
9 40 DKRS	Medium	40	56	4500	20	.93	44"	21-1/2"
9 40 DKRT	Tall	40	54	4500	20	.93	60"	19"
9 50 DKRS	Medium	50	62	4500	20	.93	49"	23"
9 50 DKRT	Tall	50	62	4500	20	.93	61"	21-1/2"
9 66 DKRT	Tall	66	76	4500	20	.92	61"	23"
9 80 DKRT	Tall	80	87	4500	20	.93	61-1/2"	25"

Reliance Fact: Temperature & Pressure Relief Valve

A properly rated Temperature & Pressure (T&P) Relief Valve is required by code on every water heater installation, everywhere. In the unlikely event that water temperature and pressure inside the tank exceed proper or safe levels, the T&P Valve is designed to open and release hot water from the top of the tank to relieve the excess pressure. It is not uncommon for the T&P Valve to "weep" small amounts of water, especially as seasons change and incoming cold water temperatures fluctuate. However, frequent or sustained T&P Valve discharge probably indicates a situation that could require installation of a thermal expansion tank or pressure reducing valve.

All Reliance gas and electric models are shipped with a properly rated T&P Valve in place, to make sure this vital safety precaution is covered when our water heaters leave the factory!



GOOD

606 Series Electric

- Our broadest selection of models, with sizes ranging from 27 to 119 gallons, with First Hour Ratings up to 112 gallons
- Tall, Medium, Lowboy and "Table Top" choices to meet a wide variety of installation space requirements
- High-Efficiency (HE) models qualify for most utility rebate programs
- 6-year tank and parts warranty
- Dual 4500-watt standard watt density heating elements
- Glass-lined tank with anode rod protects against corrosion
- Factory-installed Temperature & Pressure (T&P) Relief Valve

GOOD — 606 Plus Series Electric

- dual 4500-watt low watt density elements
- sediment-reducing PEX dip tube

Model Number	Type	Tank Size Gallons	First Hour Rating	Input Watt/Hour	Recovery 90° Rise Gallons/Hr.	Energy Factor	Height	Diameter
6 40 DJRT	Tall	40	52	4500	20	.92	59-1/2"	18"
6 40 DJRS	Short	40	52	4500	20	.92	44"	20-1/2"
6 50 DJRT	Tall	50	64	4500	20	.90	60-1/4"	20-1/2"
6 50 DJRS	Short	50	62	4500	20	.90	48"	22"

GOOD — 606 Series Electric

6 30 DOLS	Lowboy	29	41	4500	20	.93	30"	22"
6 30 DORS	Medium	30	43	4500	20	.93	36-1/2"	20-1/2"
6 30 DORT	Tall	30	43	4500	20	.93	46-1/2"	18"
6 30 2OT1	Table Top	27	45	4500	20	.89	36"	21" w x 25" d
6 40 DOLNS*	Lowboy	38	48	4500	20	.92	31-1/2"	23"
6 40 2OT4	Table Top	40	52	4500	20	.89	36"	24" w x 25" d
6 40 DORS	Medium	40	52	4500	20	.92	44"	20-1/2"
6 40 DORT	Tall	40	52	4500	20	.92	59-1/2"	18"
6 40 DOCT	Utility-HE	40	54	4500	20	.93	60"	19"
6 50 DOLS	Lowboy	50	55	4500	20	.90	34"	26-1/2"
6 50 DOCT	Utility-HE	50	62	4500	20	.93	61"	21-1/2"
6 50 DORS	Medium	50	62	4500	20	.90	48"	22"
6 50 DORT	Tall	50	64	4500	20	.90	60-1/4"	20-1/2"
6 66 DORT	Tall	66	72	4500	20	.88	60-1/4"	22"
6 66 DOCT	Utility-HE	66	76	4500	20	.92	61"	23"
6 80 DORT	Tall	80	81	4500	20	.86	60-1/2"	24"
6 80 DOCT	Utility-HE	80	87	4500	20	.93	61-1/2"	25"
6 120 DORT	Tall	119	112	4500	20	.81	64-1/4"	28"

* Model 6 40 DOLNS replaces model 6 40 DOLS.



Reliance Fact: Electric Water Heaters

BEFORE YOU TURN ON THE ELECTRICAL SUPPLY, MAKE SURE THE WATER HEATER IS COMPLETELY FULL OF WATER!

- If electricity is turned on before the water heater tank is full, it can cause immediate or premature failure of electric heating elements.
- Water should flow freely from an open hot water faucet when the tank is full; DO NOT turn the power on until the tank is full.



**your
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RelianceWaterHeaters.com

GOOD

606 Series Electric: Compact/Mobile Home

Compact Models

- Ideal for under-counter or crawl space installation**
- Inlet and outlet connections on side for easier installation in tight spaces**
- One heating element – two elements available on 29-gallon model**

- 6-year tank and parts warranty**
- Glass-lined tank with anode rod protects against corrosion**
- Factory-installed Temperature & Pressure (T&P) Relief Valve**

GOOD — 606 Series Compact Electric

Model Number	Tank Size Gallons	First Hour Rating	Input Watt/Hour	Recovery 90° Rise Gallons/Hr.	Energy Factor	Height	Diameter
6 30 SOMS K**	29	33	1650	7.5	.93	30"	22"
6 20 1OMS K*	19.9	N/A	1650	7.5	N/A	21-3/4"	20"
6 17 1OMS K*	17	N/A	1650	7.5	N/A	28"	18"
6 10 1OMS K*	10	N/A	1650	7.5	N/A	17-1/4"	16"
6 6 1OMS K*	6	N/A	1650	7.5	N/A	17-1/4"	14"

* GOOD 606 Compact Models — Change "K" to "E" for 240V/2000W.

** Model 6 30 SOMS K — Change "K" to "E" for 240V/4500W.



Mobile Home Models

- All models meet HUD requirements for manufactured housing/mobile home installation**
- Side-mounted cold water inlet and hot water outlet for easy installation**
- 6-year tank and parts warranty**
- Glass-lined tank with anode rod protects against corrosion**
- Factory-installed Temperature & Pressure (T&P) Relief Valve**

GOOD — 606 Series Mobile Home Manufactured Housing

Model Number	Tank Size Gallons	First Hour Rating	Input Watt/Hour	Recovery 90° Rise Gallons/Hr.	Energy Factor	Height	Diameter
6 30 SHMS	30	43	3800	17	.93	37-1/2"	20-1/2"
6 40 SHMS	40	51	3800	17	.92	46"	20-1/2"



GOOD

100 Series Electric: Point-of-Use

Point-of-Use Models

- For low-demand point-of-use applications, such as lavatories in offices, or any building with remote restrooms
- 110/120 volt cord set with 3-prong plug standard on 120 volt "K" models, optional on 240 volt "E" model
- 1-year tank, 90-day parts warranty
- Glass-lined tank with anode rod protects against corrosion
- Factory-installed Temperature & Pressure (T&P) Relief Valve

100 Series Point-of-Use							
Model Number	Tank Size Gallons	First Hour Rating	Input Watt/Hour	Recovery 90° Rise Gallons/Hr.	Energy Factor	Height	Diameter
1-4-1SUS-E	4	N/A	1500	N/A	N/A	20"	10"
1-4-1SUS-K	4	N/A	1440	N/A	N/A	20"	10"
1-2-1SUS-K	2	N/A	1440	N/A	N/A	12-3/4"	10"



EXPANSION TANKS

For Gas and Electric Water Heaters

- Recommended for installation with every gas and electric water heater, required by code in many areas
- Provides important protection against potential damage to water heater and plumbing system caused by high water pressure
- Helps prevent "water hammer" noises in water pipes

Expansion Tanks	
Model	Description
ETC-2X	2 Gallon Expansion Tank, recommended for heaters up to 50 gallons
ETC-5X	5 Gallon Expansion Tank, recommended for heaters up to 75 gallons
ETC-10X	10 Gallon Expansion Tank, recommended for heaters over 75 gallons

Expansion tank recommendations based on 60 PSI water pressure and 140°F max. temperature.



Reliance Fact: Expansion Tanks

A T&P Valve that discharges water each heating cycle indicates a thermal expansion problem.



**your
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WATER HEATER SELECTION GUIDE

Choosing the Right Water Heater

Reliance offers over 100 gas and electric choices, because choosing a water heater is definitely not a "one size fits all" process. Your top priority is to help your customer choose a model that assures they'll always have enough hot water by matching them up with the right First Hour Rating (see page 10, and chart below).

But first, here are a few basic questions to start with to make sure your customer gets the right type of water heater and a unit that will fit in the space occupied by their current unit....

Is your water heater natural gas, propane gas or electric?

Do you need a water heater for a mobile home? If so, your customer should select a Reliance 606 Series Mobile Home model (see pages 8 and 15).

What is the height available for installation – measuring from the floor to the closet permanent obstruction above the water heater?

What is the diameter of your current water heater, measuring across the top of the unit?

Next, determine your customer's First Hour Rating target, using this chart...

NUMBER OF BEDROOMS	NUMBER OF BATHROOMS		
	1 to 1.5	2 to 2.5	3 to 3.5
1	42 GALLON FIRST HOUR RATING		
2	54 GALLON FIRST HOUR RATING	54 GALLON FIRST HOUR RATING	67 GALLON FIRST HOUR RATING
3	54 GALLON FIRST HOUR RATING	67 GALLON FIRST HOUR RATING	80 GALLON FIRST HOUR RATING
4		67 GALLON FIRST HOUR RATING	80 GALLON FIRST HOUR RATING
5		80 GALLON FIRST HOUR RATING	80 GALLON FIRST HOUR RATING

These are minimum requirements. Your customer should increase the First Hour Rating target as follows, to handle high usage factors:

Add 10 Gallons: If your customer has an oversized bathtub or whirlpool.

Add 10 Gallons: For every teenager living in the home.



COMMERCIAL

301 Series

Reliance offers this selection of 301 Series commercial water heaters (available on a special-order basis) to help you provide a full range of products to professional plumbing contractors whose customers include restaurants, apartment buildings and other commercial applications. Because commercial water heaters are much more complicated than residential units, Reliance recommends that they only be installed by licensed plumbing contractors.

Light-Duty Gas (Not pictured)

- **Recommended for applications where required First Hour Rating (at 100°F temperature rise) is 142 gallons or less**
- **Low NOx emissions: meets Southern California and Texas requirements (SCAQMD Rule 1146.2)**
- **Standing pilot ignition system**
- **3-year tank warranty**
- **Glass-lined tank with anode rod protects against corrosion**
- **Factory-installed Temperature & Pressure (T&P) Relief Valve**

Commercial — 301 Series Light-Duty - Natural Gas Only

Model Number	Tank Size Gallons	First Hour Rating	Input BTUs/Hour	Recovery 100° Rise Gallons/Hour	Height*	Diameter	Vent
S65 65NE	65	106	65,000	60	63-3/4"	22"	4
S75 76NE	74	125	75,100	73	61-1/8"	25-1/2"	4
S100 76 NE	98	142	75,100	73	69-3/4"	26-1/2"	4

Natural Gas Only

* Height shown is to top of draft diverter.

- **Front, top or rear hot and cold water connection options for installation flexibility in replacement applications**
- **Intermittent electronic ignition eliminates need for standing pilot, saves energy**
- **3-year tank warranty**
- **Glass-lined tank with multiple anode rods to protect against corrosion**
- **Factory-installed Temperature & Pressure (T&P) Relief Valve**

Commercial — 301 Series Medium-Duty - Natural or Propane Gas

Model Number*	Tank Size Gallons	First Hour Rating	Input BTUs/Hour	Recovery 100° Rise Gallons/Hour	Height***	Diameter	Vent
D71 120NE	71	166	120,000	116	69-3/4"	27-3/4"	5
D81 190NE	81	241	190,000	184	67-1/2"	27-3/4"	6
D100 199NES	100	263	199,000	193	72"	30-1/4"	6
D100 199NET	100	263	199,000	193	75"	27-3/4"	6
D100 250NE**	100	312	250,000	242	72"	30-1/4"	8
D100 275NE**	100	377	275,000	267	72"	27-3/4"	8
D85 365NE	85	414	365,000	354	79-1/2"	27-3/4"	8
D100 250NEA**	100	312	250,000	242	72"	30-1/4"	8
D100 275NEA**	100	377	275,000	267	72"	27-3/4"	8
D85 365NEA**	85	414	365,000	354	79-1/2"	27-3/4"	8



* Model numbers listed are for Natural Gas. For Propane, change "N" to "P" in model number (Example: D71 120PE).

** Indicates models provided with 8" to 6" vent reducer.

*** Height shown is to top of draft diverter.



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RelianceWaterHeaters.com

COMMERCIAL

301 Series

Medium-Duty Gas – Low NOx

- Available only in California and Texas
- Low NOx emissions: meets Southern California and Texas requirements (SCAQMD Rule 1146.2)
- Built-in induced draft blower helps ensure peak performance
- Front, top or rear hot and cold water connection options for installation flexibility in replacement applications

- Intermittent electronic ignition eliminates need for standing pilot, saves energy
- 3-year tank warranty
- Glass-lined tank with multiple anode rods to protect against corrosion
- Factory-installed Temperature & Pressure (T&P) Relief Valve

Commercial — 301 Series Medium-Duty, Natural or Propane Gas, Low NOx

Model Number*	Tank Size Gallons	First Hour Rating	Input BTUs/Hour	Recovery 100° Rise Gallons/Hour	Height**	Diameter	Vent
N100 200NES	100	263	200,000	193	72"	27-3/4"	6
N100 275NE	100	337	275,000	267	72"	27-3/4"	6

* Model numbers listed are for Natural Gas. For Propane, change "N" to "P" in model number (Example: N100 200PES).

** Height shown is to top of blower outlet.



Dairy Barn Electric (Not pictured)

- Includes base stand with 0" legs for dairy barn installation
- Two 4500-watt heating elements, each with thermostat adjustable up to 180°F
- 3-year tank warranty
- Glass-lined tank with anode rod protects against corrosion
- Factory-installed Temperature & Pressure (T&P) Relief Valve

Commercial — 301 Series Dairy Barn Electric

Model Number	Tank Size Gallons	First Hour Rating	Input Watts/Hour	Recovery 100° Rise Gallons/Hour	Height	Diameter
3 82 2KDT	80	84	4500	20	64-1/2"	24"



PUMP TANKS



A pump tank is a must for any home that uses a pump to draw water from a well. A properly sized Reliance pump tank will deliver many years of dependable service and provide the following benefits...

- **It ensures that the pump will run for at least a minute, as required by pump manufacturers**
- **It provides a supplemental water supply for use between pump cycles to reduce the number of cycles throughout the day and prolong pump life**
- **It helps maintain water pressure within the home's plumbing system, ensuring proper operation of the dishwasher and washing machine, plus robust flow for showering and bathing**

Pre-Pressurized Diaphragm Tanks

- **Strong, flexible butyl diaphragm, epoxy-coated inner shell for permanent separation of air and water**
- **In-line models from 2 through 14 gallons designed for installation directly into the cold water line**
- **Free-standing models from 14 through 119 gallons**
- **20 through 86-gallon "Control Manifold" models available with factory-installed pressure switch and gauge for easy installation**

Glass-Lined Tanks

- **42, 82 and 120-gallon models available**

Galvanized Tanks

- **12 through 900-gallon models available**



INSTALLING IT YOURSELF?

Make Sure You've Got The Right Parts!

If you're a "Do-It-Yourself" water heater installer, ask your Reliance dealer about installation parts and kits to make sure you leave the store with everything you need!



RELIANCE
WATER HEATER COMPANY

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Water Heater Orders (fax): 1-800-365-3291

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**Customer Assistance,
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