



Product Guide

July 2008

**Richmond**TM
The Water Heater Experts

richmondwaterheaters.com

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Choosing The Right Size Water Heater

The following pages feature our water heater selection guides — one for electric and one for gas.

These sizing charts will help you select the right size water heater for your home.

Use the charts even if you're replacing an old water heater and you already know the size.

You may need a larger size if:

- You run out of hot water frequently
- You expand your home
- You add hot water-using appliances
- Your family grows
- Your old water heater was made before 1990
(Your old electric water heater's thermostat may be set at 140°F. Richmond's electric water heater thermostats are factory pre-set at 120°F to help prevent scalding.)

**If you have a special water heater application, such as for a mobile home, a special vent requirement for a gas water heater, or a height or width restriction, the product pages that follow can answer your questions.*

GAS

WATER HEATER SELECTION GUIDE

HOUSEHOLD SIZE

**6
YEAR
WARRANTY**

**9
YEAR
WARRANTY**

**12
YEAR
WARRANTY**

**REGULAR
DEMAND**

**60*
GALLON**

**50
GALLON**

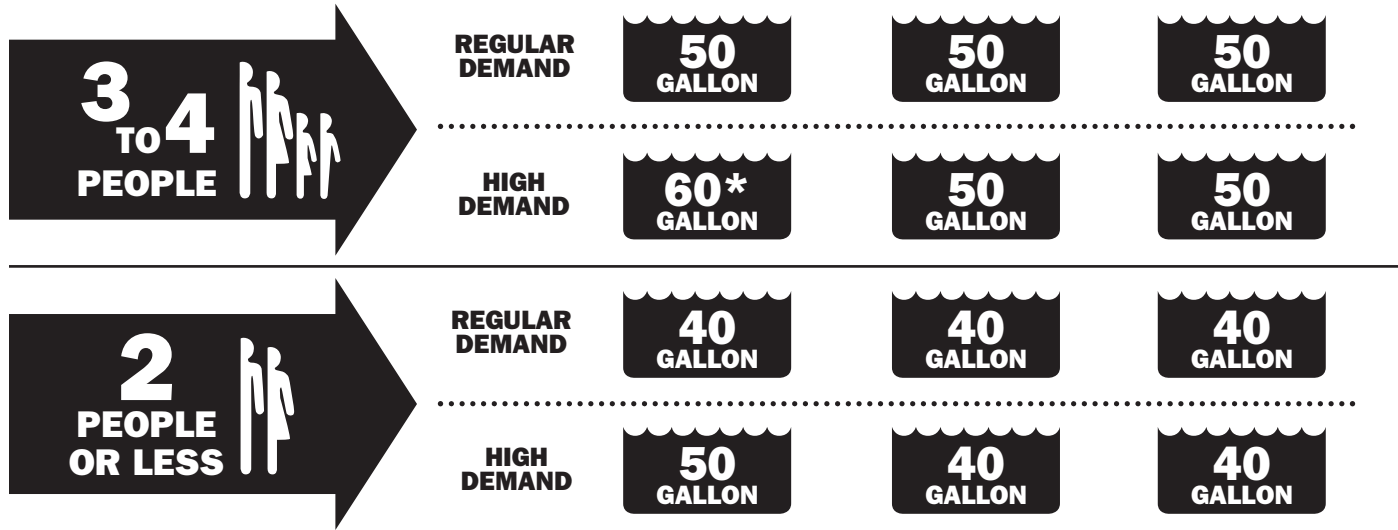
**50
GALLON**

**HIGH
DEMAND**

**75
GALLON**

**5 OR
MORE
PEOPLE**





Other sizes available. Some models available in LP. Ask a sales associate for details. This chart is designed to help you select the appropriate water heater capacity. Your use may vary. Regular Demand capacities are based on a home with a washing machine and an automatic dishwasher. High Demand capacities

meet the hot water needs of teenagers, whirlpool tubs, spas, and oversized baths. Always anticipate your family's future needs when selecting your water heater.

* 60 Gallon Heavy Duty



ELECTRIC

WATER HEATER SELECTION GUIDE

HOUSEHOLD SIZE

**6
YEAR
WARRANTY**

**9
YEAR
WARRANTY**

**12
YEAR
WARRANTY**

**REGULAR
DEMAND**

**80
GALLON**

**80
GALLON**

**65
GALLON**

**HIGH
DEMAND**

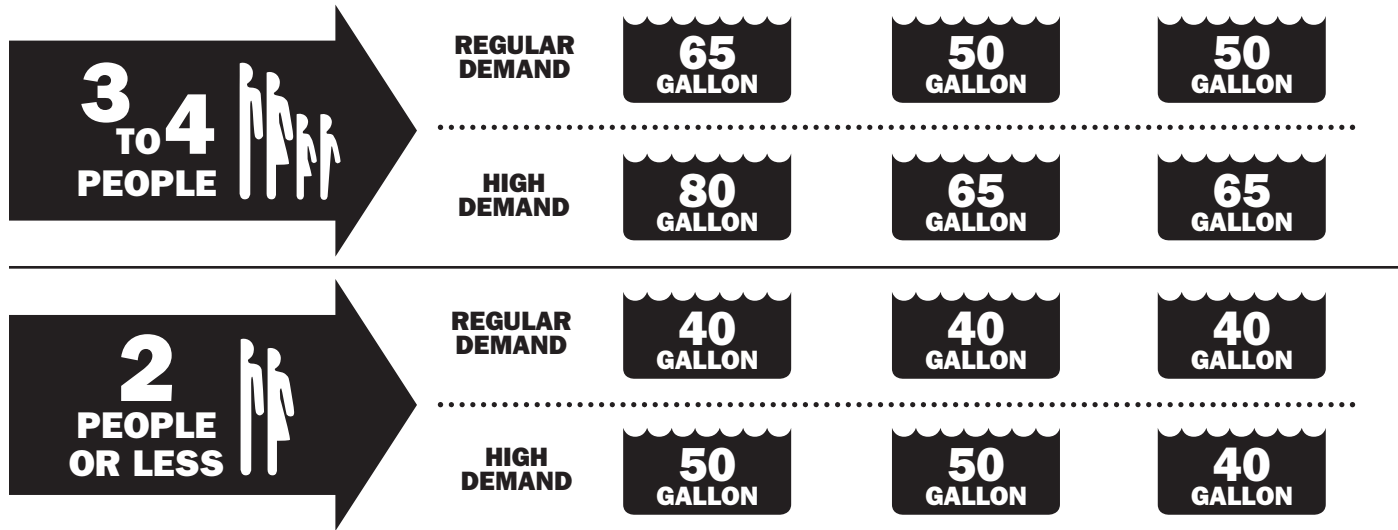
**120
GALLON**

**80
GALLON**

**80
GALLON**

**5
OR
MORE
PEOPLE**





Other sizes available. Ask a sales associate for details. This chart is designed to help you select the appropriate water heater capacity. Your use may vary. Regular Demand capacities are based on a home with a washing

machine and an automatic dishwasher. High Demand capacities meet the hot water needs of teenagers, whirlpool tubs, spas, and oversized baths. Always anticipate your family's future needs when selecting your water heater.

Exceptional Performance And Value From The Water Heater Experts.

Richmond Water Heaters are manufactured by Rheem®, the company which invented water heaters. We put the best materials and workmanship into our Richmond brand to produce water heaters that are exceptional values.

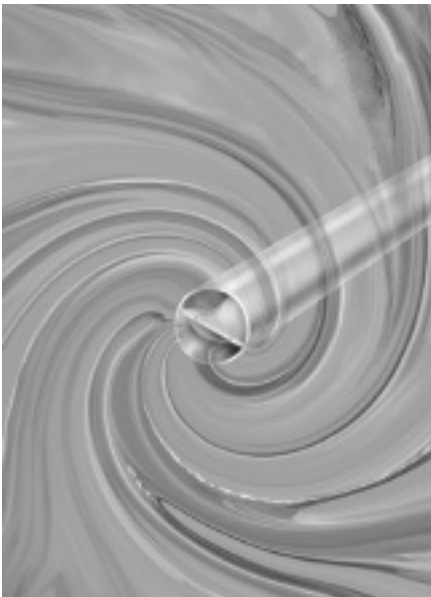
Now, we offer you better value than ever, with our all-new Richmond product line. Our comprehensive line is designed to meet all consumer needs. Products have been re-engineered to keep pace with consumer demands for larger, fast-recovery water heaters.

Our electric, natural gas, and liquid propane (LP) models are available in several warranties options — ranging from 6-year to 12-year, and even lifetime for our Marathon™ models. And to meet your specialty applications, we offer the Heavy Duty Gas, Direct Vent, PowerVent®, PowerVent® 2, Mobile Home, and Point-Of-Use models.

And when you look at the value, quality, and features of Richmond Water Heaters, no other brands come close. Here are just a few of the features that make Richmond Water Heaters the best product for you and your family.

Fast Recovery.

Ideal for “peak demand” situations when several showers may be in use, washers and dishwashers are operating, or the home has a spa. Our fast recovery models replace used hot water faster so there’s a larger supply available. Our 6-year Heavy Duty Gas, 9-year, and 12-year water heater models feature fast recovery.

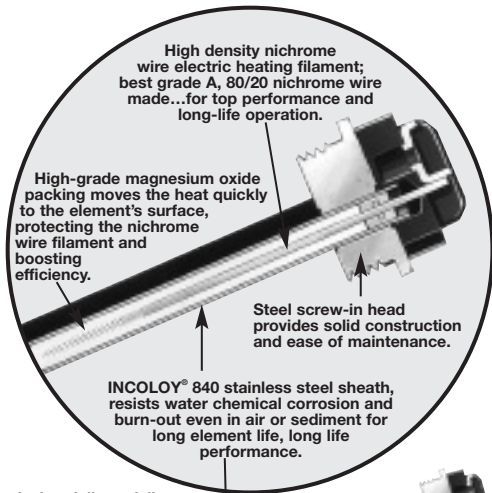


EverKleen™ Self Cleaning System.

Fights lime and sediment buildup to improve tank life and maintain peak efficiency. The EverKleen system channels water through an exclusive inlet tube, which creates a high-velocity spiraling water stream. This keeps sediment from settling into the tank, and eliminates tank “hot spots” to produce more hot water. Available on our 9-year and 12-year models.

Rigid Foam Insulation.

The water heater is the second-largest energy user in a home. Our 9-year Electric, 12-year, and Lifetime water heaters feature rigid foam insulation to fight stand-by heat loss. Twelve-year models come standard with pipe insulation for maximum efficiency.



Low watt density design delivers full watt-rated heating power to a larger surface area, eliminating high heat concentrations and prolonging element life.

LIFEGUARD™ Stainless Steel Heating Elements.

Available on our 9-year and 12-year models. These elements last longer, prolong tank life, provide superior resistance to lime build-up, and resist accidental dry-fire burn-out.

Low Input Pilots.

All our gas models feature low input pilots to reduce wasted energy during stand-by periods.

High Temperature Dip Tube.

All Richmond water heaters include an extra durable high temperature dip tube to meet the most stringent plumbing codes.

Resistor Heating Elements.

All electric models feature our patented design which helps prolong anode rod and tank life.

T & P Valve.

For installation convenience and for added safety, all Richmond water heaters come with a new temperature and pressure relief valve pre-installed at the factory.

Heat Traps.

Another way to prevent stand-by heat loss, so the water heater costs less to operate. Available on 12-year models.

Porcelain Tank Protection.

Tanks are protected by exclusive porcelain formula. Provides a tough, corrosion-resistant porcelain tank lining for long life.

The Major Features of Richmond Flammable Vapor Ignition Resistant (FVIR) Product Designs

INTEGRA™ **SYSTEM**

Flammable Vapor Resistant Technology

Richmond has done more than create an ANSI compliant FVIR water heater. We have created an entirely new class of water heaters featuring the Richmond Integra System, which has the following features and benefits:



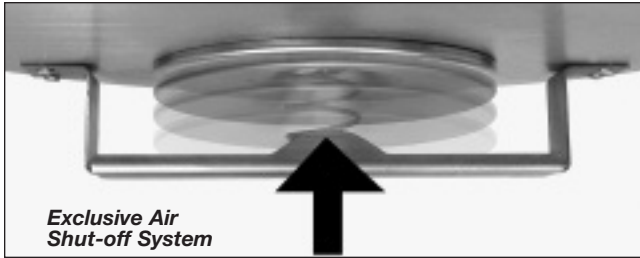
- **Thoroughly Tested Richmond Reliability**
Richmond Integra System water heaters on test at an independent laboratory.



and efficient product life is to limit the amount of LDO that can reach the flame arrestor plate. The Richmond design does this in three ways:



- **LDO Robustness For Efficient And Reliable Operation** – The Richmond Integra System also has a unique design to resist the detrimental effects of lint, dust and oil (LDO). The key to long and efficient product life is to limit the amount of LDO that can reach the flame arrestor plate. The Richmond design does this in three ways:
 1. Air flows into the combustion chamber from the sides (not from the floor where dust and dirt accumulate).
 2. Combustion air is pre-filtered by a unique intake design.
 3. The airway to the combustion chamber is guarded by flow baffles causing significant amounts of LDO to “drop-out”. The result of this Richmond design is a more dependable water heater that is effective in preventing LDO contamination.



■ Flammable Vapor Resistant Design

Our design is loaded with exclusive features for unmatched performance and reliability. The Richmond Integra System *completely shuts off the combustion chamber when a flammable vapor incident occurs*. Shutting off the gas supply, which all designs do, will not stop combustion inside the chamber. The Richmond air shutoff system does, eliminating the possibility of an undesirable sustained vapor burn.

- **R-TECH ANODE ROD** The Richmond exclusive restored anode rod is the secret to long, reliable tank life. Only Richmond has it!
- **PROPRIETARY EXTRA-STRENGTH STEEL FORMULATION** One more reason why our customers say, “With Richmond, you install it and forget it.”
- **STANDARD REPLACEMENT PARTS** Richmond FVIR models are assembled using our standard high quality components. You won’t have to worry about exotic, hard-to-find replacement parts to keep your customers in hot water.
- **NO SCHEDULED MAINTENANCE OR SERVICE REQUIRED** The Richmond Integra System requires no periodic maintenance or cleaning on behalf of the homeowner.
- **LOW NOx** Proprietary low NOx design is better for the environment.
- **SIMPLE PUSH BUTTON PILOT LIGHT IGNITION** Reliable, clean and easy, you’ll never have to fumble with matches again.
- **TAMPER-RESISTANT COMBUSTION CHAMBER** Helps keep curious, little fingers from getting into trouble.

12 Year **GAS** 🔥🔥🔥

- 12 year limited warranty on tank and parts
- Fast recovery - 11% more hot water than most 6 year models
- EverKleen™ self-cleaning system fights sediment build up
- Heavy-duty anode rod for extended tank protection
- Heat trap fittings reduce convective heat loss for greater efficiency
- Energy conserving low input pilot
- Porcelain lined tank surface for longer life
- Factory installed temperature and pressure relief valve
- Includes extra durable high temperature dip tube to meet the most stringent plumbing codes
- Piezo ignition system for “No Match” lighting



- Low emissions burner
- Meets or exceeds National Appliance Energy Conservation Act (NAECA) requirements

Energy Factor and Average Annual Operating Costs based on D.O.E. (Department of Energy) test procedures. The D.O.E. national average fuel rate is \$1.218/therm for natural gas and \$1.87/-gallon for LP gas.



DESCRIPTION			FEATURES				DIMENSIONS					ENERGY INFORMATION			
Tank Gallon Capacity	Height Description	Model Number	BTU's Nat.	BTU's LP	Recovery in G.P.H. 90° Rise	First Hour Del. G.P.H.	Tank Diam.	Vent Height	Tank Height	Vent Size	Shipping Wt. (Pounds)	Energy Factor	Est. Ann. Operating Cost Nat.	Est. Ann. Operating Cost LP	Altitude Rating (ft)
40	Tall	12G40-40F1	40	-	40.4	68	19-3/4	61-1/2	57-3/4	3	125	0.60	\$304	-	10,200
40	Tall	12G40-34PF1	-	34	34.3	64	19-3/4	61-1/2	57-3/4	3	125	0.60	-	\$511	10,200
50	Tall	12G50-40F1	40	-	40.4	83	21-3/4	61-1/2	58	3	150	0.58	\$315	-	10,200

- Above models meet meet Low NOx requirements for Texas and California.
- Feature, dimensional and energy information is subject to change.

9 Year **GAS** 🔥 🔥 🔥

- 9 year limited warranty on tank and parts
- EverKleen™ self-cleaning system fights sediment build up
- 76% recovery efficiency for more hot water
- Rigid foam insulation for superior heat retention
- Heavy-duty anode rod for extended tank protection
- Energy conserving low input pilot
- Factory installed temperature and pressure relief valve
- LP models feature durable aluminized steel burner designed specifically for propane gas
- Includes extra durable high temperature dip tube to meet the most stringent plumbing codes
- Piezo ignition system for “No Match” lighting



- Low emissions burner
- Meets or exceeds National Appliance Energy Conservation Act (NAECA) requirements

Energy Factor and Average Annual Operating Costs based on D.O.E. (Department of Energy) test procedures. The D.O.E. national average fuel rate is \$1.218/therm for natural gas and \$1.87/-gallon for LP gas.



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Tank Gallon Capacity	Height Description	Model Number	BTU's Nat.	BTU's LP	Recovery in G.P.H. 90° Rise	First Hour Del. G.P.H.	Tank Diam.	Vent Height	Tank Height	Vent Size	Shipping Wt. (Pounds)	Energy Factor	Est. Ann. Operating Cost Nat.	Est. Ann. Operating Cost LP	Altitude Rating (ft)
40	Short	9G40S-40F1	40	-	40.4	72	20-1/8	53-7/8	50-1/2	3	130	0.59	\$309	-	7,700
40	Short	9G40S-36PF1	-	36	36.3	72	20-1/8	53-7/8	50-1/2	3	130	0.59	-	\$520	10,200
40	Tall	9G40-38F1	38	-	38.4	73	18-1/8	61-3/4	58-3/8	3	120	0.59	\$309	-	10,200
50	Tall	9G50-38F1	38	-	38.4	90	20-1/8	61-1/2	58-1/4	3	130	0.58	\$315	-	10,200
50	Tall	9G50-36PF	-	36	36.4	83	21-3/4	61-1/2	58	3	169	0.58	-	\$529	10,200

• Above models meet meet Low NOx requirements for Texas and California.

Feature, dimensional and energy information is subject to change.

6 Year **GAS** 🔥 🔥 🔥

- 6 year limited warranty on tank and parts
- Energy conserving low input pilot
- Tank protected by exclusive porcelain formula
- 76% recovery efficiency for more hot water
- Rigid foam insulation for superior heat retention
- Factory installed temperature and pressure relief valve
- Includes extra durable high temperature dip tube to meet the most stringent plumbing codes
- LP models feature durable aluminized steel burners designed specifically for propane gas
- Piezo ignition system for “No Match” lighting
- Low emissions burner
- Meets or exceeds National Appliance Energy Conservation Act (NAECA) requirements

Energy Factor and Average Annual Operating Costs based on D.O.E. (Department of Energy) test procedures. The D.O.E. national average fuel rate is \$1.218/therm for natural gas and \$1.87/-gallon for LP gas.



DESCRIPTION			FEATURES				DIMENSIONS					ENERGY INFORMATION			
Tank Gallon Capacity	Height Description	Model Number	Nat. BTU's	LP	Recovery in G.P.H. 90° Rise	First Hour Del. G.P.H.	Tank Diam.	Vent Height	Tank Height	Vent Size	Shipping Wt. (Pounds)	Energy Factor	Est. Ann. Nat. Operating Cost	LP	Altitude Rating (ft)
29	Tall	6G30-32F1	32	-	32.3	50	16-1/8	59-3/4	56-3/8	3	100	0.62	\$294	-	5,999
29	Tall	6G30-30PF1	-	30	30.3	50	16-1/8	59-3/4	56-3/8	3	100	0.62	-	\$495	5,999
30	Short	6G30S-30F	30	-	30.3	50	19-3/4	49-3/4	46-1/4	3	98	0.61	\$299	-	10,200
40	Tall	6G40-36F1	36	-	36.4	67	17-3/4	61-1/2	58	3	120	0.59	\$309	-	10,200
40	Tall	6G40-34PF	-	34	34.4	67	19-3/4	61-1/4	57-3/4	3	146	0.59	-	\$520	10,200
40	Tall	6GR40-40F†	40	-	40.4	68	21	63-1/4	59-3/4	3	130	0.62	\$294	-	10,200
40	Short	6G40S-36F1	36	-	36.4	72	20-1/8	52-1/2	49-1/4	3	149	0.59	\$309	-	7,700
40	Short	6G40S-36PF1	-	34	34.3	72	20-1/8	52-1/2	49-1/4	3	149	0.59	-	\$520	5,999
40	Tall	6G40-40F	40	-	40.4	70	19-3/4	63-1/4	59	3	146	0.59	\$309	-	10,200
40	Short	6G40S-40F1	40	-	40.4	72	20-1/8	53-7/8	50-1/2	4	146	0.59	\$309	-	7,700
40	Short	6G40S-36PF1	-	36	36.4	72	20-1/8	53-7/8	50-1/2	4	146	0.59	-	\$520	10,200
50	Tall	6G50-38F1	38	-	38.4	90	20-1/8	61-3/4	58-1/4	3	130	0.58	\$315	-	10,200
50	Tall	6G50-36PF	-	36	36.4	84	21-3/4	61-1/2	58	3	169	0.58	-	\$529	10,200
50	Tall	6GR50-40F†	40	-	40.4	83	23	62-1/4	58-7/8	3	165	0.62	\$294	-	10,200
50	Short	6G50S-40F1	40	-	40.4	84	22-1/4	54-1/4	49-3/4	3	158	0.59	\$309	-	5,999
50	Short	6G50S-36PF1	-	36	36.4	84	22-1/4	54-1/4	49-3/4	3	158	0.59	-	\$520	5,999

• Above models meet meet Low NOx requirements for Texas and California.

†Gas utility model – qualifies for most gas utility rebate programs.

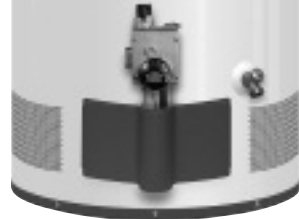
Feature, dimensional and energy information is subject to change.

6 Year Heavy Duty **GAS** 🔥 🔥 🔥

- 6 year limited warranty on tank and parts
- Designed specifically for high volume uses
- Large tank capacities (up to 100 gallons)
- High BTU input for fast recovery
- Durable aluminized steel burner
- Piezo ignition system for “No Match” lighting
- Extra durable brass drain valve - preferred by professional plumbers
- Rigid foam insulation for superior heat retention
- Tank protected by exclusive porcelain formula
- Factory installed temperature and pressure relief valve
- Includes extra durable high temperature dip tube to meet the most stringent plumbing codes



- Meets or exceeds National Appliance Energy Conservation Act (NAECA) requirements



Energy Factor and Average Annual Operating Costs based on D.O.E. (Department of Energy) test procedures. The D.O.E. national average fuel rate is \$1.218/therm for natural gas and \$1.87/gallon for LP gas.

DESCRIPTION			FEATURES				DIMENSIONS					ENERGY INFORMATION			
Tank Gallon Capacity	Height Description	Model Number	BTU's Nat.	BTU's LP	Recovery in G.P.H. 90° Rise	First Hour Del. G.P.H.	Tank Diam.	Vent Height	Tank Height	Vent Size	Shipping Wt. (Pounds)	Energy Factor	Est. Ann. Operating Cost Nat.	Est. Ann. Operating Cost LP	Altitude Rating (ft)
60	Tall	6G60-50F	50	-	50.5	107	23	62	58	4	180	0.56	\$326	-	5,999
60	Tall	6G60-45PF	-	45	45.5	106	23	62	58	4	180	0.56	-	\$548	5,999
75	Tall	6G75-75F	75	-	75.5	141	26-1/4	64	60	4	320	0.53	\$344	-	2,000
75	Tall	6G75-75PF	-	75	75.5	109	26-1/4	64	60	4	320	0.53	-	\$579	2,000
100	Tall	5V100*	75	-	75.8	135	26-1/4	68	64	4	350	0.48	\$380	-	2,000
100	Tall	5V100P*	-	69	69.7	135	26-1/4	68	64	4	350	0.48	-	\$639	2,000

* Non-FVIR models, utilize standing pilot light for burner ignition.

- Above models meet meet Low NOx requirements for Texas and California.

Feature, dimensional and energy information is subject to change.

Heavy Duty PowerVent **GAS** 🔥 🔥 🔥

- 6 year limited warranty on tank and parts
- Flammable vapor detection sensor disables heater in the event of flammable vapor accumulation
- Install up to 45 feet from outside wall using 3" schedule 40 PVC, ABS, or CPVC pipe for venting
- Ideal for retro-fit replacement of electric water heater
- Perfect where high efficiency furnaces are used
- Compact quiet blower with standard 110-volt connection
- Hot surface ignition system for “No Match” lighting
- Integrated self-diagnostic system control, thermostat and gas valve
- Durable brass drain valve
- Factory installed temperature and pressure relief valve



- Meets or exceeds National Appliance Energy Conservation Act (NAECA) requirements



Energy Factor and Average Annual Operating Costs based on D.O.E. (Department of Energy) test procedures. The D.O.E. national average fuel rate is \$1.218/therm for natural gas and \$1.87/-gallon for LP gas.

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60	Tall	6G60PV-55F	55	-	55.6	104	22-1/4	69-1/4	58	3	205	0.62	\$294	-	7,700
60	Tall	6G60PV-50PF	-	50	50.5	104	22-1/4	69-1/4	58	3	205	0.62	-	\$495	7,700
75	Tall	6G75PV-75F	75	-	75.8	130	26-1/4	72	60-1/8	3	330	0.53	\$344	-	7,700
75	Tall	6G75PV-70PF	-	70	70.3	130	26-1/4	72	60-1/8	3	330	0.53	-	\$579	7,700

Feature, dimensional and energy information is subject to change.

PowerVent[®] GAS

- 6 year limited warranty on tank and parts
- Flammable vapor detection sensor disables heater in the event of flammable vapor accumulation
- Hot surface ignition system for “No Match” lighting
- Install up to 100 feet from outside wall using 3" schedule 40 PVC, ABS, or CPVC pipe for venting
- EverKleen™ self-cleaning system fights sediment build up for more efficient operation
- Ideal for retro-fit replacement of electric water heater
- Perfect where high efficiency furnaces are used
- Compact, quiet blower with standard 110-volt connection
- Integrated self-diagnostic system control, thermostat and gas valve
- Factory installed temperature and pressure relief valve



- Meets or exceeds National Appliance Energy Conservation Act (NAECA) requirements



Energy Factor and Average Annual Operating Costs based on D.O.E. (Department of Energy) test procedures. The D.O.E. national average fuel rate is \$1.218/therm for natural gas and \$1.87/-gallon for LP gas.

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40	Tall	6G40PVW-40F	40	-	40.4	68	19-3/4	69-1/4	59	2 or 3	140	0.64	\$285	-	7,700
40	Tall	6G40PVW-40PF	-	40	40.4	68	19-3/4	69-1/4	59	2 or 3	140	0.64	-	\$479	7,700
50	Tall	6G50PVW-42F	42	-	42.4	87	21-3/4	68-1/4	58	2 or 3	170	0.64	\$285	-	7,700
50	Tall	6G50PVW-42PF	-	42	42.4	87	21-3/4	68-1/4	58	2 or 3	170	0.64	-	\$479	7,700

- Above models meet meet Low NOx requirements for Texas and California.
 - Above models designed for installations at altitudes up to 7,700 feet.
- Feature, dimensional and energy information is subject to change.

Direct Vent **GAS** 🔥 🔥 🔥

- 6 year limited warranty on tank and parts
- Vents through outside wall eliminating need for chimney
- Ideal for retro-fit replacement of electric water heater
- 360-degree swivel coaxial vent for installation flexibility
- Energy conserving low input pilot
- Rigid foam insulation for superior heat retention
- Heat saving flue baffle design
- Factory installed temperature and pressure relief valve
- Includes extra durable high temperature dip tube to meet the most stringent plumbing codes



- Meets or exceeds National Appliance Energy Conservation Act (NAECA) requirements

Energy Factor and Average Annual Operating Costs based on D.O.E. (Department of Energy) test procedures. The D.O.E. national average fuel rate is \$1.218/therm for natural gas and \$1.87/-gallon for LP gas.



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40	Tall	6GDV40F	38	-	38.4	66	19-3/4	68-1/4	59-3/4	6	155	0.59	\$309	-	2,000
40	Tall	6GDV40PF	-	30	30.3	64	19-3/4	68-1/4	59-3/4	6	155	0.59	-	\$520	7,700
50	Tall	6GDV50F	38	-	40.4	80	21-3/4	68	59-1/2	6	165	0.58	\$315	-	6,000
50	Tall	6GDV50PF	-	34	34.4	79	21-3/4	68	59-1/2	6	165	0.58	-	\$529	6,000

NOTE: Vent system can be installed up to 10" from outside wall. Diameter with air supply tube is 26-3/4". Review installation manual before installing.

- Above models meet meet Low NOx requirements for Texas and California.

Feature, dimensional and energy information is subject to change.

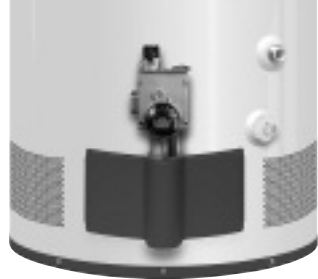
Mobile Home **GAS** 🔥🔥🔥

- 6 year limited warranty on tank and parts
- Specifically designed and UL approved for use in manufactured housing
- 76% recovery efficiency for more hot water
- Piezo ignition system for “No Match” lighting
- Side mounted T&P valve and cold water inlet for easier installation
- Convertible control for use with either natural or LP gas
- Energy conserving low input pilot
- Factory installed temperature and pressure relief valve
- Includes high temperature water way fittings to meet the most stringent plumbing codes
- Meets or exceeds National Appliance Energy Conservation Act (NAECA) requirements
- Meets HUD standard - section 3280.707(d)(1) or (2)





Gas control is convertible from natural gas to liquid propane.



Energy Factor and Average Annual Operating Costs based on D.O.E. (Department of Energy) test procedures. The D.O.E. national average fuel rate is \$1.218/therm for natural gas and \$1.87/-gallon for LP gas.

DESCRIPTION			FEATURES				DIMENSIONS				ENERGY INFORMATION				
Tank Gallon Capacity	Height Description	Model Number	Nat.	BTU's LP	Recovery in G.P.H. 90° Rise	First Hour Del. G.P.H.	Tank Diam.	Vent Height	Tank Height	Vent Size	Shipping Wt. (Pounds)	Energy Factor	Est. Ann. Operating Cost Nat.	Est. Ann. Operating Cost LP	Altitude Rating (ft)
29	Tall	6V30FT	32	30	32.3	48	16-1/8	62-3/8	58-3/8	3"	100	0.61	\$299	\$503	5,999
40	Tall	6V40FT	34	32	34.3	59	18-1/8	62-3/8	58-3/8	3"	120	0.59	\$309	\$520	7,700
50	Tall	6V50FT	38	36	38.4	65	20-1/8	62-1/4	58-1/4	3"	130	0.58	\$315	\$529	7,700

Feature, dimensional and energy information is subject to change.

Mobile Home Direct Vent **GAS** 🔥 🔥 🔥

- 6 year limited warranty on tank and parts
- Specifically designed and UL approved for use in manufactured housing
- 76% recovery efficiency for more hot water
- Side mounted T&P valve and cold water inlet for easier installation
- Convertible control for use with either natural or LP gas
- Energy conserving low input pilot
- Factory installed temperature and pressure relief valve
- Includes high temperature water way fittings to meet the most stringent plumbing codes
- Meets or exceeds National Appliance Energy Conservation Act (NAECA) requirements
- Meets HUD standard - section 3280.707(d)(1) or (2)



Vent Pack Kit for Direct Vent Models

Specify part number when ordering:

Part Number	Description
AP12032E	12" Vent Pkg. Kit
AP12032B	16"-32" Vent Pkg. Kit
AP12032C	30"-60" Vent Pkg. Kit
AP12032D	48"-95" Vent Pkg. Kit

* Mobile Home Direct Vent models must be ordered with Vent Package Kit which includes Roof Jack and 11"-22" adjustable air inlet tube. See chart for part numbers.



Gas control is convertible from natural gas to liquid propane.

Energy Factor and Average Annual Operating Costs based on D.O.E. (Department of Energy) test procedures. The D.O.E. national average fuel rate is \$1.218/therm for natural gas and \$1.87/-gallon for LP gas.

DESCRIPTION			FEATURES				DIMENSIONS					ENERGY INFORMATION			
Tank Gallon Capacity	Height Description	Model Number	BTU's Nat.	BTU's LP	Recovery in G.P.H. 90° Rise	First Hour Del. G.P.H.	Tank Diam.	Vent Height	Tank Height	Vent Size	Shipping Wt. (Pounds)	Energy Factor	Est. Ann. Operating Cost Nat.	Est. Ann. Operating Cost LP	Altitude Rating (ft)
30	Tall	MVR30DV	30	30	30.3	51	17-3/4	57	57	3	110	0.61	\$299	\$503	2,000
40	Tall	MVR40DV	30	30	30.3	60	19-3/4	57-1/2	57-1/2	3	125	0.59	\$309	\$520	2,000
50	Tall	MVR50DV	32	32	32.3	67	20-3/4	57	57	3	150	0.58	\$315	\$529	2,000

Feature, dimensional and energy information is subject to change.

Richmond is Eco-Friendly!

Introducing our new line of Ultra-Low NOx gas water heating systems for cleaner air and high performance.

Richmond is committed to offering the most eco-friendly products available. Our new line of ultra-low NOx gas water heaters dramatically reduce harmful emissions and score high in overall energy efficiency. This new product line includes our proven “maintenance free” Integra™ system, which is one of the most respected FVIR designs in the industry.



Richmond makes it easy for you to select the perfect eco-friendly water heater for new construction and replacement applications.



Environmentally-friendly Burner

- Our proprietary ultra-low NOx radiant burner is constructed with 100% high-grade stainless steel for reliability and scale resistance
- Side port design promotes even flame distribution and optimum heat transfer
- 10 ng/J NOx emissions – a 75% emissions reduction from previous low NOx models
- Complies with SCAQMD rule 1121 for low NOx emissions

Plus, our Ultra-Low NOx models feature:

- **Integra FVIR System** – with combination air/fuel shut-off system offers reliable protection and it's maintenance free – no filters to clean
- **Longer Life** – special patented anode design incorporates a resistor to maximize tank protection from potential corrosion
- **High Altitude Compliant** – all models are certified for applications up to 10,200 ft above sea level
- **Self-Cleaning** – EverKleen™ patented system fights sediment build-up
- **Energy Efficient** – More hot water at low operating cost
- **Easy to Light** – No matches required

Ultra Low NO_x GAS

South Coast Air Quality Management District Compliant Models

- 12, 9, 6 year limited tank and parts warranties available
- SCAQMD Rule 1121 compliant: 10ng/J NO_x emissions
- Integra System flammable vapor resistant technology with exclusive air/fuel shut-off for double protection
- Maintenance free - no filters to clean
- Environmentally friendly burner with Ultra Low NO_x radiant burner design
- Durable stainless steel burner
- EverKleen™ self-cleaning system fights sediment build up
- Easy to light - no matches required
- Energy efficient - more hot water at lower operating cost
- Includes extra durable high temperature dip tube to meet the most stringent plumbing codes



• Meets or exceeds National Appliance Energy Conservation Act (NAECA) requirements

Energy Factor and Average Annual Operating Costs based on D.O.E. (Department of Energy) test procedures. The D.O.E. national average fuel rate is \$1.218/therm for natural gas and \$1.87/gallon for LP gas.

DESCRIPTION				FEATURES			DIMENSIONS					ENERGY INFORMATION		
Warranty Years	Tank Gallon Capacity	Height Description	Model Number	BTU Input	Recovery in G.P.H. 90° Rise	First Hour Del. G.P.H.	Tank Diam.	Vent Height	Tank Height	Vent Size	Shipping Wt. (Pounds)	Energy Factor	Est. Ann. Operating Cost	Altitude Rating (ft)
12	38	Tall	12G40-38FN	38	38.4	72	18-1/8	60-5/8	57-3/4	3 or 4	125	0.60	\$304	10,200
12	40	Tall	12G40V-38FN†	38	38.4	73	21	63	60-1/8	3 or 4	140	0.62	\$294	10,200
12	48	Tall	12G50-40FN	40	40.4	91	20-1/8	60-5/8	57-7/8	3 or 4	135	0.58	\$315	10,200
12	50	Tall	12G50V-36FN	36	36.4	91	23	62-5/8	59-7/8	3 or 4	170	0.62	\$294	10,200
9	38	Short	9G40S-36FN	36	36.4	68	20-1/8	51-7/8	49-1/8	3 or 4	135	0.60	\$304	10,200
9	38	Tall	9G40-38FN	38	38.4	72	18-1/8	60-5/8	57-3/4	3 or 4	125	0.60	\$304	10,200
9	48	Tall	9G50-40FN	40	40.4	91	20-1/8	60-5/8	57-7/8	3 or 4	135	0.58	\$315	10,200
6	28	Tall	6G30-30FN	30	30.3	53	16-1/8	59	56-1/4	3 or 4	105	0.62	\$294	10,200
6	38	Tall	6G40-38FN	38	38.4	72	18-1/8	60-5/8	57-3/4	3 or 4	125	0.60	\$304	10,200
6	40	Tall	6G40V-38FN†	38	38.4	73	21	63	60-1/8	3 or 4	140	0.62	\$294	10,200
6	38	Short	6G40S-36FN	36	36.4	68	20-1/8	51-7/8	49-1/8	3 or 4	135	0.60	\$304	10,200
6	48	Tall	6G50-40FN	40	40.4	91	20-1/8	60-5/8	57-7/8	3 or 4	135	0.58	\$315	10,200
6	50	Tall	6G50V-36FN†	36	36.4	91	23	62-5/8	59-7/8	3 or 4	170	0.62	\$294	10,200

• Above models meet meet Low NOx requirements for Texas and California.

† Gas utility model – qualifies for most gas utility rebate programs.

Feature, dimensional and energy information is subject to change.

Encore 4.2 TANKLESS GAS

- 10 year limited warranty on heat exchanger and 3 year limited warranty on parts
- Continuous hot water - 4.2 gallons per minute at a 45° rise
- Energy saving design
- Compact design saves space
- Intelligent electronic controls designed to increase energy efficiency and safety
- Integrated self diagnostic program
- Digital display shows temperature settings and maintenance codes
- Exclusive SBT™ sensing burner technology
- Exclusive OFW™ overheat film wrap
- Exclusive oxygen depletion sensor
- Exclusive film wrap overheat limiter
- Built-in electric blower



- Vents horizontally or vertically
- Maximum vent run up to 36 feet 2 inches including one 90° elbow
- Utilizes 3" Category III stainless steel venting
- Supplied with 120-volt power cord
- Low NOx emissions meet SCAQMD rule 1146 requirements

Energy Factor and Average Annual Operating Costs based on D.O.E. (Department of Energy) test procedures. The D.O.E. national average fuel rate is \$1.218/therm for natural gas and \$1.87/gal- lon for LP gas.

DESCRIPTION		FEATURES				DIMENSIONS						ENERGY INFO.		
MODEL NUMBER	GAS INPUT BTU/HR.	TYPE	TEMP. RANGE*	WATER FLOW RATE		CONNECTION		HEIGHT	WIDTH	DEPTH	VENT	SHIP. WEIGHT (LBS.)	ENERGY FACTOR	EST. ANN. OPERATING COST
				GPM @ 77° RISE MAX.	GPM @ 45° RISE MAX.	WATER	GAS							
RMTG2-42PVN (NAT. GAS)	21,500 - 118,000	Indoor	100° to 140° F	2.4	4.2	3/4	3/4	20-1/2	13-3/4	5-1/4	3	35	.83	\$220
RMTG2-42PVP (LP GAS)	21,500 - 118,000	Indoor	100° to 140° F	2.4	4.2	3/4	3/4	20-1/2	13-3/4	5-1/4	3	35	.83	\$369

- UMC-117 remote control is included and can be set from the out-of-the-box 120 degrees – up to a 140 degree maximum (additional remote control thermostats are available – sold separately)
- For installations above 3,280 feet, a high altitude chip is required. Refer to Richmond price list or consult factory for details.
- Consult factory for information on sizing the application.

Feature, dimensional and energy information is subject to change.

Encore 5.3 TANKLESS GAS

- 10 year limited warranty on heat exchanger and 3 year limited warranty on parts
- Continuous hot water - 5.3 gallons per minute at a 45° rise
- Energy saving design
- Compact size saves space
- Intelligent electronic controls designed to increase energy efficiency and safety
- Integrated self diagnostic program
- Digital display shows temperature settings and maintenance codes
- Exclusive SBT™ sensing burner technology
- Exclusive OFW™ overheat film wrap
- Exclusive oxygen depletion sensor
- Built-in electric blower
- Vents horizontally or vertically
- Maximum vent run up to 36 feet 2 inches including one 90° elbow
- Utilizes 3" Category III stainless steel venting
- Supplied with 120-volt power cord
- Low NOx emissions meet SCAQMD rule 1146 requirements



Energy Factor and Average Annual Operating Costs based on D.O.E. (Department of Energy) test procedures. The D.O.E. national average fuel rate is \$1.218/therm for natural gas and \$1.87/-gallon for LP gas.

DESCRIPTION		FEATURES				DIMENSIONS						ENERGY INFO.		
MODEL NUMBER	GAS INPUT BTU/HR.	TYPE	TEMP. RANGE*	WATER FLOW RATE		CONNECTION		HEIGHT	WIDTH	DEPTH	VENT	SHIP. WEIGHT (LBS.)	ENERGY FACTOR	EST. ANN. OPERATING COST
				GPM @ 77° RISE MAX.	GPM @ 45° RISE MAX.	WATER	GAS							
RMTG-53PVN (NAT. GAS)	21,600 - 145,000	Indoor	100° to 140° F	3.1	5.3	3/4	3/4	20-1/2	13-3/4	5-1/4	3	36	.82	\$223
RMTG-53PVP (LP GAS)	21,600 - 145,000	Indoor	100° to 140° F	3.1	5.3	3/4	3/4	20-1/2	13-3/4	5-1/4	3	36	.82	\$374
RMTG-53DVN (NAT. GAS)	21,600 - 145,000	Indoor Direct Vent	100° to 140° F	3.1	5.3	3/4	3/4	20-1/2	13-3/4	5-1/4	3	36	.82	\$223
RMTG-53DVP (LP GAS)	21,600 - 145,000	Indoor Direct Vent	100° to 140° F	3.1	5.3	3/4	3/4	20-1/2	13-3/4	5-1/4	3	36	.82	\$374
RMTG-53XN (NAT. GAS)	21,600 - 145,000	Outdoor	100° to 140° F	3.1	5.3	3/4	3/4	20-1/2	13-3/4	5-1/4	N/A	36	.82	\$223
RMTG-53XP (LP GAS)	21,600 - 145,000	Outdoor	100° to 140° F	3.1	5.3	3/4	3/4	20-1/2	13-3/4	5-1/4	N/A	36	.82	\$374

• UMC-117 remote control is included and can be set from the out-of-the-box 120 degrees – up to a 140 degree maximum (additional remote control thermostats are available – sold separately)

• For installations above 3,200 feet, a high altitude chip is required. Refer to Richmond price list or consult factory for details.

• Consult factory for information on sizing the application.

Feature, dimensional and energy information is subject to change.

Encore 7.4 TANKLESS GAS

- 10 year limited warranty on heat exchanger and 3 year limited warranty on parts
- Continuous hot water - 7.4 gallons per minute at a 45° rise
- Energy saving compact design saves space
- Intelligent electronic controls designed to increase energy efficiency and safety
- Integrated self diagnostic program
- Digital display shows temperature settings and maintenance codes
- Exclusive SBT™ sensing burner technology
- Exclusive OFW™ overheat film wrap
- Exclusive oxygen depletion sensor
- Built-in electric blower
- Vents horizontally or vertically
- Indoor units use 4" Category III stainless steel venting and can be vented horizontally or vertically
- Supplied with 120-volt power cord
- Indoor and outdoor models feature freeze protection up to -30° F
- Low NOx emissions meet SCAQMD rule 1146 requirements



Energy Factor and Average Annual Operating Costs based on D.O.E. (Department of Energy) test procedures. The D.O.E. national average fuel rate is \$1.218/therm for natural gas and \$1.87/-gallon for LP gas.

DESCRIPTION		FEATURES				DIMENSIONS						ENERGY INFO.		
MODEL NUMBER	GAS INPUT BTU/HR.	TYPE	TEMP. RANGE	WATER FLOW RATE		CONNECTION		HEIGHT	WIDTH	DEPTH	VENT	SHIP. WEIGHT (LBS.)	ENERGY FACTOR	EST. ANN. OPERATING COST
				GPM @ 77° RISE MAX.	GPM @ 45° RISE MAX.	WATER	GAS							
RMTG-74PVN (NAT. GAS)	19,000 - 199,900	Indoor	100° to 140° F	4.3	7.4	3/4	3/4	25-3/8	14-7/8	11-1/8	4	55	.82	\$223
RMTG-74PVP (LP GAS)	19,000 - 199,900	Indoor	100° to 140° F	4.3	7.4	3/4	3/4	25-3/8	14-7/8	11-1/8	4	55	.82	\$374
RMTG-74DVN (NAT. GAS)	19,000 - 199,900	Indoor Direct Vent	100° to 140° F	4.3	7.4	3/4	3/4	25-3/8	14-7/8	11-1/8	4	55	.82	\$223
RMTG-74DVP (LP GAS)	19,000 - 199,900	Indoor Direct Vent	100° to 140° F	4.3	7.4	3/4	3/4	25-3/8	14-7/8	11-1/8	4	55	.82	\$374
RMTG-74XN (NAT. GAS)	19,000 - 199,900	Outdoor	100° to 140° F	4.3	7.4	3/4	3/4	25-3/8	14-7/8	11-1/8	N/A	55	.82	\$223
RMTG-74XP (LP GAS)	19,000 - 199,900	Outdoor	100° to 140° F	4.3	7.4	3/4	3/4	25-3/8	14-7/8	11-1/8	N/A	55	.82	\$374

• UMC-117 remote control is included and can be set from the out-of-the-box 120 degrees – up to a 140 degree maximum (additional remote control thermostats are available – sold separately)

• For installations above 3,200 feet, a high altitude chip is required. Refer to Richmond price list or consult factory for details.

• Consult factory for information on sizing the application.

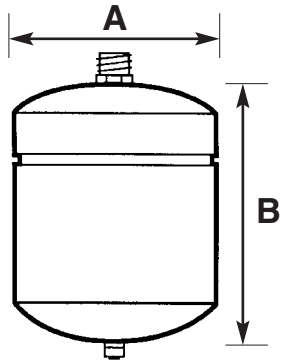
Feature, dimensional and energy information is subject to change.

Therm-X-Guard Thermal Expansion Tanks

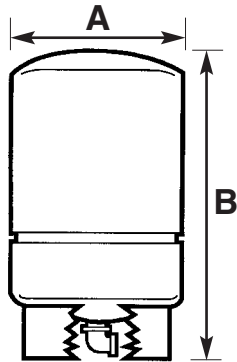
Eliminates problems associated with thermal expansion in closed loop systems.

- 5 year limited tank warranty
- Suitable for water heaters up to 120 gallon capacity and supply pressure to 80 PSI.





MODELS: RRT-5, RRT-12



MODEL: RRT-25

Model Number*	Maximum Operating Conditions		(Vt) Total Volume (Gallons)	Diameter (A)	Height (B)	System Connection	Standard Factory Pre-charge	Diaphragm Material	Liner Material
	Operating Temperature	Working Pressure (PSIG)							
RRT-5	200°F (93°C)	150 (10.5 kg/cm ²)	2.0	8"	12 ⁵ / ₈ "	3/4" NPTM – BRASS	40 PSIG (2.8 kg/cm ²)	Butyl Rubber	Polypropylene
RRT-12	200°F (93°C)	150 (10.5 kg/cm ²)	4.4	11"	15"	3/4" NPTM – BRASS	40 PSIG (2.8 kg/cm ²)	Butyl Rubber	Polypropylene
RRT-25	200°F (93°C)	150 (10.5 kg/cm ²)	10.3	15 ³ / ₈ "	15 ¹ / ₄ "	1" NPTF – BRASS	40 PSIG (2.8 kg/cm ²)	Butyl Rubber	Polypropylene

LIFETIME ELECTRIC

- Lifetime limited tank warranty
- 6 year limited parts warranty
- Non-metallic tank and jacket never corrodes
- Our most energy efficient water heater
- Plastic tank eliminates the need for anode rod - prevents “smelly water”
- Rigid foam insulation covers entire tank for maximum efficiency
- Pipe wrap energy saving kit included to achieve maximum energy savings
- Self-cleaning action of bowl-shaped tank bottom and inlet tube fights sediment buildup
- Thermally fused upper element provides protection against “dry-firing”



- Lower stainless steel heating element for superior resistance to lime buildup
- Factory installed temperature and pressure relief valve
- Exceeds National Appliance Energy Conservation Act (NAECA) requirements



Energy Factor and Average Annual Operating Costs based on D.O.E. (Department of Energy) test procedures. The D.O.E. national average fuel rate for electricity is 10.65¢/KWH.

DESCRIPTION			FEATURES			DIMENSIONS				ENERGY INFORMATION		
Tank Gallon Capacity	Height Description	Model Number	Heating Element Watt. Upper	Heating Element Watt. Lower	First Hour Del. G.P.H.	Tank Diam.	Tank Height	Height to Water Conn.	Ship Wt. (Pounds)	Energy Factor	Est. Annual Oper. Costs	Price
40	Tall	MR40245	4500	4500	52	21-3/4	61-1/2	65-1/2	91	0.94	\$497	
50	Tall	MR50245	4500	4500	61	23-1/2	62-3/4	66-3/4	103	0.94	\$497	
50	Short	MSR50245	4500	4500	54	28-1/4	47-1/4	51-1/4	101	0.94	\$497	
85	Tall	MR85245	4500	4500	91	28-1/4	66-1/4	70-1/4	139	0.92	\$508	
105	Tall	MR105245	4500	4500	104	30-1/4	66-3/4	70-3/4	152	0.91	\$514	

• Water heaters furnished with standard 240 volt AC, single phase, non-simultaneous wiring. Feature, dimensional and energy information is subject to change.

12 Year **ELECTRIC**

- 12 year limited warranty on tank and parts
- Rigid foam insulation for superior heat retention
- EverKleen™ self-cleaning system fights sediment build up
- LIFEGUARD™ longer life patented stainless steel upper heating element
- 5500 watt heating elements - heat water 22% faster than standard 4500 watt elements
- Heat trap and pipe insulation kit reduces convective heat loss for greater efficiency
- Heavy-duty anode rod for extended tank protection
- Porcelain lined tank surface for longer life
- Easy access thermostat adjustment
- Factory installed temperature and pressure relief valve



- Includes extra durable high temperature dip tube to meet the most stringent plumbing codes
- Meets or exceeds National Appliance Energy Conservation Act (NAECA) requirements



Energy Factor and Average Annual Operating Costs based on D.O.E. (Department of Energy) test procedures. The D.O.E. national average fuel rate for electricity is 10.65¢/KWH.

DESCRIPTION			FEATURES			DIMENSIONS				ENERGY INFORMATION		
Tank Gallon Capacity	Height Description	Model Number	Heating Element Watt. Upper	Heating Element Watt. Lower	First Hour Del. G.P.H.	Tank Diam.	Tank Height	Height to Water Conn.	Ship Wt. (Pounds)	Energy Factor	Est. Annual Oper. Costs	Price
40	Medium	12EM40-2	5500	5500	53	19-3/4	46-1/2	46-1/2	95	0.92	\$508	
50	Medium	12EM50-2	5500	5500	62	21-3/4	46	46	117	0.90	\$520	
50	Tall	12E50-2	5500	5500	67	19	57	57	107	0.90	\$520	
50	Medium	12EMR50-2†	5500	5500	62	24-1/4	46	46	128	0.93	\$503	
65	Tall	12E65-2	5500	5500	71	21	58-1/2	58-1/2	150	0.89	\$525	
80	Tall	12E80-2	5500	5500	88	23	59	59	177	0.86	\$544	

• Water heaters furnished with standard 240 volt AC, single phase, non-simultaneous wiring.

† Electric utility model – qualifies for most electric rebate programs.

Feature, dimensional and energy information is subject to change.

9 Year **ELECTRIC**

- 9 year limited warranty on tank and parts
- EverKleen™ self-cleaning system fights sediment build up
- LIFEGUARD™ longer life patented stainless steel upper heating element
- Rigid foam insulation for superior heat retention
- Easy access thermostat adjustment
- Heavy-duty anode rod for extended tank protection
- Factory installed temperature and pressure relief valve
- Includes extra durable high temperature dip tube to meet the most stringent plumbing codes
- Meets or exceeds National Appliance Energy Conservation Act (NAECA) requirements





Energy Factor and Average Annual Operating Costs based on D.O.E. (Department of Energy) test procedures. The D.O.E. national average fuel rate for electricity is 10.65¢/KWH.

DESCRIPTION			FEATURES			DIMENSIONS				ENERGY INFORMATION		
Tank Gallon Capacity	Height Description	Model Number	Heating Element Watt. Upper	Heating Element Watt. Lower	First Hour Del. G.P.H.	Tank Diam.	Tank Height	Height to Water Conn.	Ship Wt. (Pounds)	Energy Factor	Est. Annual Oper. Costs	Price
40	Medium	9EM40-2	4500	4500	53	19-3/4	46-1/2	46-1/2	95	0.92	\$508	
50	Medium	9EM50-2	4500	4500	62	21-3/4	46	46	117	0.90	\$520	
50	Tall	9E50-2	4500	4500	67	19	57	57	107	0.90	\$520	
65	Tall	9E65-2	4500	4500	71	21	58-1/2	58-1/2	150	0.89	\$525	
80	Tall	9E80-2	4500	4500	88	23	59	59	177	0.86	\$544	

•Water heaters furnished with standard 240 volt AC, single phase, non-simultaneous wiring. Feature, dimensional and energy information is subject to change.

6 Year **ELECTRIC**

- 6 year limited warranty on tank and parts
- Dual 4500 watt heating elements for faster recovery
- Patented resistor design heating elements prolong anode rod and tank life
- Tank protected by exclusive porcelain formula
- Easy access thermostat adjustment
- Rigid foam insulation for superior heat retention
- Factory installed temperature and pressure relief valve
- Includes extra durable high temperature dip tube to meet the most stringent plumbing codes
- Meets or exceeds National Appliance Energy Conservation Act (NAECA) requirements



Energy Factor and Average Annual Operating Costs based on D.O.E. (Department of Energy) test procedures. The D.O.E. national average fuel rate for electricity is 10.65¢/KWH.



DESCRIPTION			FEATURES			DIMENSIONS				ENERGY INFORMATION		
Tank Gallon Capacity	Height Description	Model Number	Heating Element Watt. Upper	Heating Element Watt. Lower	First Hour Del. G.P.H.	Tank Diam.	Tank Height	Height to Water Conn.	Ship Wt. (Pounds)	Energy Factor	Est. Annual Oper. Costs	Price
30	Short	6ES30-2	4500	4500	42	22-1/4	30	30	83	0.93	\$503	
30	Medium	6EM30-2	4500	4500	44	19-3/4	36	36	80	0.93	\$503	
30	Tall	6E30-2	4500	4500	48	17-3/4	45-3/4	45-3/4	80	0.93	\$503	
38	Short	6ES40-2	4500	4500	45	23	31-1/2	31-1/2	108	0.92	\$508	
40	Medium	6EM40-2	4500	4500	53	19-3/4	46-1/2	46-1/2	95	0.92	\$508	
40	Tall	6E40-2	4500	4500	57	17-3/4	59-1/4	59-1/4	96	0.92	\$508	
47	Short	6ES50-2	4500	4500	55	26-1/4	32	32	149	0.91	\$514	
50	Medium	6EM50-2	4500	4500	62	21-3/4	46	46	117	0.90	\$520	
50	Tall	6E50-2	4500	4500	67	19	57	57	107	0.90	\$520	
65	Tall	6E65-2	4500	4500	71	21	58-1/2	58-1/2	150	0.89	\$525	
80	Tall	6E80-2	4500	4500	88	23	59	59	177	0.86	\$544	
120	Tall	6E120-2	4500	4500	99	28-1/4	62-1/2	62-1/2	324	0.85	\$550	

•Water heaters furnished with standard 240 volt AC, single phase, non-simultaneous wiring.
Feature, dimensional and energy information is subject to change.

6 Year Utility **ELECTRIC**

- 6 year limited warranty on tank and parts
- High efficiency models qualify for most electric utility rebate programs
- Dual 4500 watt heating elements for faster recovery
- Patented resistor design heating elements prolong anode rod and tank life
- Easy access thermostat adjustment
- Rigid foam insulation for superior heat retention
- Tank protected by exclusive porcelain formula
- Factory installed temperature and pressure relief valve
- Includes extra durable high temperature dip tube to meet the most stringent plumbing codes



- Meets or exceeds National Appliance Energy Conservation Act (NAECA) requirements



Energy Factor and Average Annual Operating Costs based on D.O.E. (Department of Energy) test procedures. The D.O.E. national average fuel rate for electricity is 10.65¢/KWH.

DESCRIPTION			FEATURES			DIMENSIONS				ENERGY INFORMATION		
Tank Gallon Capacity	Height Description	Model Number	Heating Element Watt. Upper	Lower	First Hour Del. G.P.H.	Tank Diam.	Tank Height	Height to Water Conn.	Ship Wt. (Pounds)	Energy Factor	Est. Annual Oper. Costs	Price
40	Medium	6EMR40-2	4500	4500	56	22-1/4	46-3/4	46-3/4	104	0.94	\$497	
50	Medium	6EMR50-2	4500	4500	62	24-1/4	46	46	128	0.93	\$503	
50	Tall	6ER50-2	4500	4500	67	22-1/4	57	57	123	0.94	\$497	
65	Tall	6ER65-2	4500	4500	71	23	58-3/4	58-3/4	160	0.91	\$514	
80	Tall	6ER80-2	4500	4500	88	24-1/2	59	59	181	0.90	\$520	

•Water heaters furnished with standard 240 volt AC, single phase, non-simultaneous wiring. Feature, dimensional and energy information is subject to change.

Mobile Home **ELECTRIC**

- 6 year limited warranty on tank and parts
- Specifically designed and UL approved for use in manufactured housing
- Unique side mounted water connections for easier installation
- Dual 4500 watt heating elements for faster recovery
- Rigid foam insulation for superior heat retention
- Factory installed temperature and pressure relief valve
- Includes extra durable high temperature dip tube to meet the most stringent plumbing codes
- Meets or exceeds National Appliance Energy Conservation Act (NAECA) requirements
- Meets HUD standard - section 3280.707(d)(1) or (2)





Energy Factor and Average Annual Operating Costs based on D.O.E. (Department of Energy) test procedures. The D.O.E. national average fuel rate for electricity is 10.65¢/KWH.

DESCRIPTION			FEATURES			DIMENSIONS				ENERGY INFORMATION		
Tank Gallon Capacity	Height Description	Model Number	Heating Element Upper	Element Watt. Lower	First Hour Del. G.P.H.	Tank Diam.	Tank Height	Height to Water Conn.	Ship Wt. (Pounds)	Energy Factor	Est. Annual Oper. Costs	Price
30	Tall	T2V30-2	4500	4500	46	17-3/4	45-1/2	39-3/4	70	0.93	\$503	
40	Tall	T2V40-2	4500	4500	51	19-3/4	46-1/4	40-1/4	106	0.92	\$508	

•Water heaters furnished with standard 240 volt AC, single phase, non-simultaneous wiring. Feature, dimensional and energy information is subject to change.

Point-Of-Use **ELECTRIC**

- 6 year limited warranty on tank and parts
- Unique side mounted water connections for easier installation *
- Space saving design for installation in tight spaces
- UL approved for use in manufactured housing
- Ideal for retro-fit replacement of electric water heater
- Single 2000 watt heating element
- Rigid foam insulation for superior heat retention
- Factory installed temperature and pressure relief valve
- Includes extra durable high temperature dip tube to meet the most stringent plumbing codes



- Meets or exceeds National Appliance Conservation Act (NAECA) requirements
- Optional wall mounting bracket available for 6, 10, 15, and 20 gallon models

Energy Factor and Average Annual Operating Costs based on D.O.E. (Department of Energy) test procedures. The D.O.E. national average fuel rate for electricity is 10.65¢/KWH.

*2.5 gallon model has 1440 watt stainless steel heating element, top water connections, and convenient three-prong plug.

DESCRIPTION			FEATURES			DIMENSIONS			ENERGY INFORMATION			
Tank Gallon Capacity	Height Description	Model Number	Heating Element Upper	Watt. Lower	First Hour Del. G.P.H.	Tank Diam.	Tank Height	Height to Water Conn.	Ship Wt. (Pounds)	Energy Factor	Est. Annual Oper. Costs	Price
2.5	POU	6EP2-1	-	1440	-	9-3/4	14	14	22	-	-	
6	POU	6EP6-1	-	2000	-	15-3/4	15-1/4	12-1/2	36	-	-	
10	POU	6EP10-1	-	2000	-	15-3/4	23	20-1/2	46	-	-	
15	POU	6EP15-1	-	2000	-	17-3/4	24-1/4	22	54	-	-	
20	POU	6EP20-1	-	2000	-	19-3/4	25-1/4	22-1/4	69	-	-	
30	POU	6EP30-1	-	2000	43	21-3/4	30	30	91	0.93	\$503	

• Water heaters furnished with standard 120 volt AC, single phase wiring.
 Feature, dimensional and energy information is subject to change.

Table Top **ELECTRIC**

- 6 year limited warranty on tank and parts
- Dual 4500 watt heating elements for faster recovery
- Patented resistor design heating elements prolong anode rod and tank life
- Porcelain enamel top is durable and provides added work area in kitchen installations
- Compact design permits water heater to fit snugly against wall
- Factory installed temperature and pressure relief valve



- Includes extra durable high temperature dip tube to meet the most stringent plumbing codes
- Meets or exceeds National Appliance Conservation Act (NAECA) requirements

Energy Factor and Average Annual Operating Costs based on D.O.E. (Department of Energy) test procedures. The D.O.E. national average fuel rate for electricity is 10.65¢/KWH.

DESCRIPTION			FEATURES			DIMENSIONS				ENERGY INFORMATION		
Tank Gallon Capacity	Height Description	Model Number	Heating Element Watt. Upper	Heating Element Watt. Lower	First Hour Del. G.P.H.	Width	Depth	Height to Counter Top	Ship Wt. (Pounds)	Energy Factor	Est. Annual Oper. Costs	Price
40	Table Top	8TV40-2	4500	4500	45	24	25	36	156	0.88	\$531	

•Water heaters furnished with standard 240 volt AC, single phase, non-simultaneous wiring. Feature, dimensional and energy information is subject to change.

Solar **ELECTRIC**

- 6 year limited warranty on tank and parts
- Specifically equipped for installation with residential direct solar systems
- Special threaded stud located near the outlet for attachment of tank sensors
- Collector feed and return fittings located at front of tank for convenient installation
- Over temperature protector
- Includes 4500 watt patented resistor heating elements
- Solar models meet all current requirements for solar storage tanks
- Factory installed temperature and pressure relief valve
- Includes extra durable high temperature dip tube to meet the most stringent plumbing codes



•Meets or exceeds National Appliance Conservation Act (NAECA) requirements

Energy Factor and Average Annual Operating Costs based on D.O.E. (Department of Energy) test procedures. The D.O.E. national average fuel rate for electricity is 10.65¢/KWH.



DESCRIPTION			FEATURES			DIMENSIONS				ENERGY INFORMATION		
Tank Gallon Capacity	Height Description	Model Number	Heating Element Watt. Upper	Lower	First Hr. Del. GPH	Tank Diam.	Tank Height	Height to Water Conn.	Ship Wt. (Pounds)	Energy Factor	Est. Annual Oper. Costs	Price
SIDE CONNECT WITH ELECTRIC BOOST												
80	Tall	S80-1	4500	-	-	24-1/2	58-3/4	58-3/4	192	-	-	
120	Tall	S120-1	4500	-	-	28-1/4	62	62	336	-	-	
TOP CONNECT WITH ELECTRIC BOOST												
80	Tall	S80TC-1	4500	-	-	24-1/2	58-3/4	58-3/4	192	-	-	
120	Tall	S120TC-1	4500	-	-	28-1/4	62	62	336	-	-	
HEAT EXCHANGER MODEL WITH ELECTRIC BOOST												
80	Tall	S80HE-1	4500	-	-	24-1/2	58-3/4	58-3/4	222	-	-	
120	Tall	S120HE-1	4500	-	-	28-1/4	62	62	380	-	-	
SOLAR STORAGE TANK WITH HEAT EXCHANGER												
80	Tall	S80HE-T	-	-	-	24-1/2	58-3/4	58-3/4	222	-	-	
120	Tall	S120HE-T	-	-	-	28-1/4	62	62	380	-	-	

Feature, dimensional and energy information is subject to change.

General Information

1. Specifications subject to change without notice as not to limit continuous product improvement.
2. All gas water heaters are certified by the American Gas Association.
3. All electric water heaters are certified by the Underwriters Laboratories.
4. Models have been tested in accordance with DOE test procedures and meet or exceed the energy efficiency requirements of NAECA, ASHRAE STD. 90, BOCA Code and all state energy efficiency requirements for energy consuming appliances.
5. Manufacturer's warranty is set forth on printed warranty certificate furnished with water heater.
6. Estimated annual operation costs based on the Department of Energy's National Average Unit Energy Costs and adopted by the Federal Trade Commission.
7. Specify high altitude product when ordering gas products for installation 2000 feet or more above sea level. See page 21 for specifics on high altitude for PowerVent™.



**Underwriters
Laboratories**



National Customer Service

- Division Office ————— **334-260-1500**
 - Customer Service ————— **1-800-621-5622**
 - Warranty, Parts ————— **1-800-621-5622**
 - Fax ————— **1-800-535-9538**
-
- International Sales ————— **334-260-1596**
 - Fax ————— **334-260-1535**
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- Technical Service ————— **1-800-HEATER3**
(1-800-432-8373)
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- Website — **www.richmondwaterheaters.com**

Richmond Water Heaters
101 Bell Road • Montgomery, AL 36117
1-800-621-5622 • richmondwaterheaters.com

