

Gas

Water Heater Selection Guide



The fast way to choose the right gas water heater

Richmond
The Water Heater Experts

richmondwaterheaters.com

The Best Water Heater For Your Needs

How do you pick it? Follow these simple steps, and you'll be able to choose a water heater that will serve your needs now – and in the future.

Find The Right Size

You may want to purchase a larger size if you are replacing an old water heater, adding water-using appliances, increasing the size of your family or if you frequently run out of hot water.

Why Do Some Water Heaters Cost More Than Others?

The value of a water heater is determined by (1) how long it lasts, (2) how much hot water it provides, and (3) how much it costs to operate. Better water heaters last longer, give you more hot water, and cost you less in energy bills.

Here are some things to look for in a water heater that mean it's a better value for you:

- **Longer Warranties.** The longer a water heater lasts, the more you get for your money.
- **Fast Recovery.** Our 6-year Heavy Duty Gas, 9-year, and 12-year water heaters provide more hot water.
- **Integra™ System** – now on 6, 9 and 12 year 30, 40 and 50 gallon gas models. Automatically shuts down the water heater if flammable vapors are detected. It features a low emission burner design, maintenance-free protection, no filters to clean and standard replacement parts.
- **EverKleen™ Self Cleaning System** fights sediment buildup that can cause your water heater to fail or provide less hot water. Available on 9-year and 12-year models.
- **Rigid Foam Insulation** fights stand-by heat loss.
- **Heat Traps** prevent convective heat loss, so the water heater costs less to operate. Available on 12-year models.
- **Low Input Pilots** reduce wasted energy during stand-by periods for all gas models.

Installing Your Water Heater

All Richmond water heaters come with detailed installation instructions. Some stores also offer professional installation services.

Our gas water heater models are shown in this brochure. Inside is a specification chart for selecting the model that's right for you.

Thank you for choosing Richmond!

WATER HEATER SELECTION GUIDE

HOUSEHOLD SIZE	GAS	WARRANTY		
		6 YEAR	9 YEAR	12 YEAR
5 OR MORE PEOPLE	REGULAR DEMAND	60* GALLON	50 GALLON	50 GALLON
	HIGH DEMAND	75 GALLON		
3 TO 4 PEOPLE	REGULAR DEMAND	50 GALLON	50 GALLON	50 GALLON
	HIGH DEMAND	60* GALLON	50 GALLON	50 GALLON
2 PEOPLE OR LESS	REGULAR DEMAND	40 GALLON	40 GALLON	40 GALLON
	HIGH DEMAND	50 GALLON	40 GALLON	40 GALLON

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 capabilities 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

© Rheem Water Heating 05/10 WP FORM NO. T-144F Rev. 10

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YEAR LIMITED WARRANTY ON TANK AND PARTS



NOW WITH INTEGRA SYSTEM

If you want years of trouble-free service and superior energy efficiency, this is the water heater to choose. It provides abundant hot water at extremely low operating costs.

- 12 Year limited warranty on tank and parts
- Fast recovery - 11% more hot water
- EverKleen™ self-cleaning system fights sediment build up
- Heavy-duty anode rod for extended tank protection
- Heat trap and pipe insulation kit reduces 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

9

YEAR LIMITED WARRANTY ON TANK AND PARTS



NOW WITH INTEGRA SYSTEM

Dependable and highly efficient, this water heater features our exclusive self-cleaning system that prevents lime and sediment from reducing performance. Designed to provide years of hot water for your family.

- 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

6

YEAR LIMITED WARRANTY ON TANK AND PARTS



NOW WITH INTEGRA SYSTEM

A value-priced water heater that can keep your energy bills under control while supplying your hot water needs.

- 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 burner 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

6

YEAR LIMITED WARRANTY ON TANK AND PARTS



NOW WITH INTEGRA SYSTEM

HEAVY DUTY – Ideal for installations that include spas and luxury showers, or wherever abundant hot water is required. Large tank and fast recovery mean plenty of hot water when you need it.

- 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

PowerVent

6 YEAR LIMITED WARRANTY ON TANK AND PARTS



PowerVent® water heaters are designed to be installed where other water heaters can't.

- 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
- 40 and 50 gallon models – Install up to 100 feet from outside wall using 3" schedule 40 PVC, ABS or CPVC pipe for venting
- 60 and 75 gallon heavy-duty models – 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
- 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

Direct Vent

6 YEAR LIMITED WARRANTY ON TANK AND PARTS



The Direct Vent water heater vents atmospherically through an outside wall, eliminating the need for a vertical chimney. Ideal for retro-fit replacement of an electric water heater, or when air outside the dwelling is needed for combustion.

- 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

Mobile Home

6 YEAR LIMITED WARRANTY ON TANK AND PARTS



NOW WITH INTEGRA SYSTEM

Specially designed for manufactured housing. Comes with a variety of energy saving features.

- 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)



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Richmond Gas Water Heater Specifications



Description			Warranty	Features			Dimensions (shown in inches)					Energy Information				
Model	Tank Gallon Capacity	Height Description	Model Number	Warranty Tank/Parts	BTU's		First Hour Delivery G.P.H.	Diameter	Vent Ht.	Tank Height	Vent Size	Shipping Wt. (Pounds)	Energy Factor	Est. Annual Oper. Costs		Altitude Rating
					Nat.	LP								Natural	LP	
12 Year Self-Cleaning With Integra	40	Tall	12GR40-40F*	12 Yrs.	40	-	68	21	63-1/4	59-3/4	3"	130	0.62	\$294	-	10,200
	40	Tall	12GR40-34PF	12 Yrs.	-	34	68	21	63-1/4	59-3/4	3"	130	0.60	-	\$511	10,200
	40	Short	12GR40S-40F*	12 Yrs.	40	-	72	23	53-7/8	50-1/2	3"	165	0.62	\$294	-	7,700
	40	Short	12GR40S-36PF*	12 Yrs.	-	36	72	23	53-7/8	50-1/2	3"	165	0.62	-	\$495	10,200
	50	Tall	12GR50-40F*	12 Yrs.	40	-	83	23	62-1/4	58-7/8	3"	165	0.62	\$294	-	10,200
	50	Tall	12GR50-36PF*	12 Yrs.	-	36	83	23	62-1/4	58-7/8	3"	165	0.62	-	\$495	10,200
9 Year Self-Cleaning With Integra	40	Short	9G40S-40F1	9 Yrs.	40	-	72	20-1/8	53-7/8	50-1/2	3"	130	0.59	\$309	-	7,700
	40	Tall	9G40-38F1	9 Yrs.	38	-	73	18-1/8	61-3/4	58-3/8	3"	120	0.59	\$309	-	10,200
	50	Tall	9G50-38F1	9 Yrs.	38	-	80	20-1/8	61-1/2	58-1/4	3"	130	0.58	\$315	-	10,200
6 Year With Integra	29	Tall	6G30-32F1	6 Yrs.	32	-	50	16-1/8	59-3/4	56-3/8	3	100	0.62	\$294	-	5,999
	29	Tall	6G30-30PF1	6 Yrs.	-	30	50	16-1/8	59-3/4	56-3/8	3	100	0.62	-	\$495	5,999
	30	Short	6G30S-30F	6 Yrs.	30	-	50	19-3/4	49-3/4	46-1/4	3	98	0.61	\$299	-	10,200
	40	Tall	6G40-36F1	6 Yrs.	36	-	67	17-3/4	61-1/2	58	3	120	0.59	\$309	-	10,200
	40	Tall	6G40-32PF1	6 Yrs.	-	32	67	18-1/8	61-3/4	58-3/8	3	120	0.59	-	\$520	7,700
	40	Tall	6GR40-40F* **	6 Yrs.	40	-	68	21	63-1/4	59-3/4	3	130	0.62	\$294	-	10,200
	40	Tall	6GR40-40PF	6 Yrs.	-	40	68	21	63-1/4	59-3/4	3	130	0.60	-	\$511	10,200
	40	Short	6G40S-36F1	6 Yrs.	36	-	72	20-1/8	52-1/2	49-1/4	3	149	0.59	\$309	-	7,700
	40	Short	6G40S-36PF1	6 Yrs.	-	36	72	20-1/8	52-1/2	49-1/4	3	149	0.59	-	\$520	5,999
	40	Tall	6G40-40F	6 Yrs.	40	-	70	19-3/4	63-1/4	59	3	146	0.59	\$309	-	10,200
	40	Short	6G40S-40F1	6 Yrs.	40	-	72	20-1/8	53-7/8	50-1/2	4	146	0.59	\$309	-	7,700
	40	Short	6G40S-36PF1	6 Yrs.	-	36	72	20-1/8	53-7/8	50-1/2	4	146	0.59	-	\$520	10,200
	50	Tall	6G50-38F1	6 Yrs.	38	-	80	20-1/8	61-1/2	58-1/4	3	130	0.58	\$315	-	10,200
	50	Tall	6G50-36PF1	6 Yrs.	-	36	80	20-1/8	61-1/2	58-1/4	3	130	0.58	-	\$529	7,700
	50	Tall	6GR50-40F* **	6 Yrs.	40	-	83	23	62-1/4	58-7/8	3	165	0.62	\$294	-	10,200
	50	Tall	6GR50-40PF* **	6 Yrs.	-	40	83	23	62-1/4	58-7/8	3	165	0.62	-	\$495	10,200
	50	Short	6G50S-40F1	6 Yrs.	40	-	84	22-1/4	54-1/4	49-3/4	3	158	0.59	\$309	-	5,999
	50	Short	6G50S-36PF1	6 Yrs.	-	36	84	22-1/4	54-1/4	49-3/4	3	158	0.59	-	\$520	5,999
6 Year Heavy-Duty With Integra	48	Tall	6G50-65F	6 Yrs.	65	-	98	21-3/4	62-1/2	58-1/2	4"	180	0.58	\$315	-	7,700
	48	Tall	6G50-48PF	6 Yrs.	-	48	88	21-3/4	62-1/2	58-1/2	4"	180	0.58	-	\$529	7,700
	60	Tall	6G60-50F	6 Yrs.	50	-	107	23	62	58	4"	180	0.56	\$326	-	7,700
	60	Tall	6G60-45PF	6 Yrs.	-	45	107	23	62	58	4"	180	0.56	-	\$548	7,700
	63	Tall	6G65-65F	6 Yrs.	65	-	115	23	65	61-1/4	4"	225	0.55	\$332	-	7,700
	63	Tall	6G65-50PF	6 Yrs.	-	50	110	23	65	61-1/4	4"	225	0.55	-	\$559	7,700
	75	Tall	6G75-75F	6 Yrs.	75	-	141	26-1/4	64	60	4"	320	0.53	\$344	-	7,700
	75	Tall	6G75-65PF	6 Yrs.	-	65	109	26-1/4	64	60	4"	320	0.53	-	\$579	7,700
	98	Tall	5V100F	6 Yrs.	75	-	135	27-1/4	67-3/4	64	4"	350	0.49	\$372	-	7,700
98	Tall	5V100PF	6 Yrs.	-	65	125	27-1/4	67-3/4	64	4"	350	0.49	-	\$587	7,700	
6 Year Heavy-Duty PowerVent With Integra	60	Tall	6G60PV-55FW*	6 Yrs.	55	-	104	22-1/4	69-1/4	58	3"	205	0.62	\$294	-	7,700
	60	Tall	6G60PV-50PFW*	6 Yrs.	-	50	104	22-1/4	69-1/4	58	3"	205	0.63	-	\$487	7,700
	75	Tall	6G75PV-75FW	6 Yrs.	75	-	130	26-1/4	72	60-1/8	3"	330	0.59	\$309	-	7,700
	75	Tall	6G75PV-69PFW	6 Yrs.	-	69	130	26-1/4	72	60-1/8	3"	330	0.59	-	\$520	7,700
6 Year PowerVent With Integra	40	Tall	6G40PVW-40F*	6 Yrs.	40	-	68	19-3/4	69-1/4	59	2" or 3"	140	0.64	\$285	-	7,700
	40	Tall	6G40PVW-40PF*	6 Yrs.	-	40	68	19-3/4	69-1/4	59	2" or 3"	140	0.63	-	\$487	7,700
	50	Tall	6G50PVW-42F*	6 Yrs.	42	-	87	21-3/4	68-1/4	58	2" or 3"	170	0.64	\$285	-	7,700
	50	Tall	6G50PVW-42PF*	6 Yrs.	-	42	87	21-3/4	68-1/4	58	2" or 3"	170	0.63	-	\$487	7,700
6 Year PowerVent With Electronic Control	40	Tall	6G40PV-40FE*	6 Yrs.	40	-	68	19-3/4	69-1/4	59	2" or 3"	140	0.64	\$285	-	7,700
	40	Tall	6G40PV-36PFE*	6 Yrs.	-	36	68	19-3/4	69-1/4	59	2" or 3"	140	0.63	-	\$487	7,700
	50	Tall	6G50PV-42FE*	6 Yrs.	42	-	87	21-3/4	68-1/4	58	2" or 3"	170	0.64	\$285	-	7,700
	50	Tall	6G50PV-42PFE*	6 Yrs.	-	42	87	21-3/4	68-1/4	58	2" or 3"	170	0.63	-	\$487	7,700
6 Year Direct Vent†	40	Tall	6GDV40F	6 Yrs.	38	-	66	19-3/4	68-1/4	59-3/4	6"	155	0.59	\$309	-	2,000
	40	Tall	6GDV40PF	6 Yrs.	-	30	64	19-3/4	68-1/4	59-3/4	6"	155	0.59	-	\$520	7,700
	50	Tall	6GDV50F	6 Yrs.	38	-	80	21-3/4	68	59-1/2	6"	165	0.58	\$315	-	6,000
	50	Tall	6GDV50PF	6 Yrs.	-	34	79	21-3/4	68	59-1/2	6"	165	0.58	-	\$529	6,000
6 Year Power Direct Vent	40	Tall	6G40PDV-40*	6 Yrs.	40	-	73	19 3/4	68 1/2	60 1/4	2-3	180	0.67	\$272	-	10,200
	40	Tall	6G40PDVP-38*	6 Yrs.	-	38	73	19 3/4	68 1/2	60 1/4	2-3	180	0.67	-	\$458	10,200
	50	Tall	6G50PDV-40*	6 Yrs.	40	-	93	21 3/4	67 5/8	59 3/8	2-3	205	0.67	\$272	-	10,200
	50	Tall	6G50PDVP-40*	6 Yrs.	-	40	93	21 3/4	67 5/8	59 3/8	2-3	205	0.67	-	\$458	10,200
	50	Tall	6G50PDV-65*	6 Yrs.	65	-	111	21 3/4	67 5/8	59 3/8	3-4	210	0.62	\$294	-	10,200
	50	Tall	6G50PDVP-50*	6 Yrs.	-	50	111	21 3/4	67 5/8	59 3/8	3-4	210	0.62	-	\$495	10,200
6 Year Mobile Home With Integra	29	Tall	6V30FT	6 Yrs.	32	30	48	16-1/8	59-3/4	56-3/8	3"	100	0.61	\$299	\$503	5,999
	40	Tall	6V40FT	6 Yrs.	34	32	59	18-1/8	61-3/4	58-3/8	3"	120	0.59	\$309	\$520	7,700
	50	Tall	6V50FT	6 Yrs.	38	36	65	20-1/8	61-1/2	58-1/4	3"	130	0.58	\$315	\$529	7,700
6 Year Mobile Home Direct Vent††	30	Tall	MVR30DV	6 Yrs.	30	30	51	17-3/4	57	57	3"	110	0.61	\$299	\$503	5,999
	40	Tall	MVR40DV	6 Yrs.	30	30	60	19-3/4	57-1/2	57-1/2	3"	125	0.59	\$309	\$520	5,999
	50	Tall	MVR50DV	6 Yrs.	32	32	67	21-3/4	57	57	3"	150	0.58	\$315	\$529	5,999

† 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.
 †† A Vent Package Kit must be ordered separately with the Mobile Home Direct Vent models and must be in accordance with instructions furnished with the heater. No other roof jack or air inlet assemblies are approved with this heater. Clamps and secure strapping are packed in water heater carton.
 * ENERGY STAR® compliant models
 ** Gas utility model - qualifies for most gas utility programs.

• Estimated annual operation costs based on the Department of Energy's national average unit energy costs and adopted by the Federal Trade Commission.
 • 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.
 • Feature, dimensional and energy information is subject to change.