

Electric Water Heater Selection Guide



The fast way to choose the right electric 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 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 5500 watt heating elements provide more hot water on 12-year water heaters.
- **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.
- **LIFEGUARD™ Stainless Steel Heating Elements** last longer, prolong tank life, fight sediment build-up, and resists accidental dry-fire burn-out. 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.

Installing Your Water Heater

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

Our electric 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	ELECTRIC	WARRANTY		
		6 YEAR WARRANTY	9 YEAR WARRANTY	12 YEAR WARRANTY
5 OR MORE PEOPLE	REGULAR DEMAND	80 GALLON	80 GALLON	65 GALLON
	HIGH DEMAND	120 GALLON	80 GALLON	80 GALLON
3 TO 4 PEOPLE	REGULAR DEMAND	65 GALLON	50 GALLON	50 GALLON
	HIGH DEMAND	80 GALLON	65 GALLON	65 GALLON
2 PEOPLE OR LESS	REGULAR DEMAND	40 GALLON	40 GALLON	40 GALLON
	HIGH DEMAND	50 GALLON	50 GALLON	40 GALLON

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.

Introducing The Super Efficient Electric Hybrid Water Heater featuring advanced heat pump technology

- Our most advanced, energy-efficient, electric water heater
- Utilizes heat pump technology for superb energy-efficiency
- Easy-to-use LED touch pad
- Installs as easily as a standard electric water heater
- Ideal for new construction and drop-in replacement
- 50 Gallon capacity
- 12-Year limited tank and parts warranty
- 1-Year limited labor warranty

User Friendly Integrated Touch Pad Controls



Over TWICE the efficiency of standard electric water heaters.

- 3 operation modes - Energy Saver (heat pump), High Demand (heat pump w/ element backup), and Electric Only (two elements)
- 2 1/2" Non-CFC foam insulation
- Premium restored anode rod protection for extended tank life
- Factory installed temperature and pressure relief valve
- Durable brass drain valve
- Easy access side connections
- Easily replaces standard electric water heaters
- Stainless steel back-up heating elements
- Heat pump operating range of 40° F to 120° F
- Built in freeze/overheat protection
- Easy access, top mounted washable air filter



Our Marathon® model is a remarkable innovation in water heaters. Our seamless, blow-molded polybutene tank is impervious to corrosion. And our tank design allows more insulation for super energy efficiency.

- Lifetime limited tank warranty
- 6 Year limited parts warranty
- Non-metallic tank and jacket never corrodes
- 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 build up
- Factory installed temperature and pressure relief valve
- Exceeds National Appliance Energy Conservation Act (NAECA) requirements



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

- 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



If you want years of trouble-free service and superior energy efficiency, this is the heater to choose.

- 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



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
- 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)



Dependable and highly efficient, this heater features our exclusive self-cleaning system. 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
- 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



Ideal for tight spaces under sinks, in RVs, and other locations where hot water is needed.

- 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 elements
- 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
- Optional wall mounting bracket available for 6, 10, 15, and 20 gallon models

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

Richmond Electric Water Heater Specifications



Description				Warranty	Features			Dimensions (shown in inches)				Energy Info.		
Model	Tank Gallon Capacity	Height Description	Model Number	Warranty Tank/Parts	Heating Elements Upper	Wattage Lower	First Hour Delivery GPH	Diameter	Height	Height to Water Conn.	Shipping Wt. (Pounds)	Energy Factor	Est. Annual Oper. Costs	
Hybrid Heat Pump	50	Tall	HP50RM	12 Years	2000	2000	67	21	75-1/2	–	200	2.0	\$234	
Lifetime Self-Cleaning	40	Tall	MR40245	Lifetime/6 Years	4500	4500	52	21-3/4	61-1/2	65-1/2	91	0.94	\$497	
	50	Tall	MR50245	Lifetime/6 Years	4500	4500	61	23-1/2	62-3/4	66-3/4	103	0.94	\$497	
	50	Short	MSR50245	Lifetime/6 Years	4500	4500	54	28-1/4	47-1/4	51-1/4	101	0.94	\$497	
	85	Tall	MR85245	Lifetime/6 Years	4500	4500	91	28-1/4	66-1/4	70-1/4	139	0.92	\$508	
	105	Tall	MR105245	Lifetime/6 Years	4500	4500	104	30-1/4	66-3/4	70-3/4	152	0.91	\$514	
12 Year Self-Cleaning	40	Medium	12EM40-2	12 Years	5500	5500	53	19-3/4	46-1/2	46-1/2	95	0.92	\$508	
	50	Medium	12EM50-2	12 Years	5500	5500	62	21-3/4	46	46	117	0.90	\$520	
	50	Tall	12E50-2	12 Years	5500	5500	67	19	57	57	107	0.90	\$520	
	50	Medium	12EMR50-2†	12 Years	5500	5500	62	24-1/4	46	46	128	0.93	\$503	
	65	Tall	12E65-2	12 Years	5500	5500	71	21	58-1/2	58-1/2	150	0.89	\$525	
	80	Tall	12E80-2	12 Years	5500	5500	88	23	59	59	177	0.86	\$544	
9 Year Self-Cleaning	40	Medium	9EM40-2	9 Years	4500	4500	53	19-3/4	46-1/2	46-1/2	95	0.92	\$508	
	50	Medium	9EM50-2	9 Years	4500	4500	62	21-3/4	46	46	117	0.90	\$520	
	50	Tall	9E50-2	9 Years	4500	4500	67	19	57	57	107	0.90	\$520	
	65	Tall	9E65-2	9 Years	4500	4500	71	21	58-1/2	58-1/2	150	0.89	\$525	
	80	Tall	9E80-2	9 Years	4500	4500	88	23	59	59	177	0.86	\$544	
6 Year	30	Short	6ES30-2	6 Years	4500	4500	42	22-1/4	30	30	83	0.93	\$503	
	30	Medium	6EM30-2	6 Years	4500	4500	44	19-3/4	36	36	80	0.93	\$503	
	30	Tall	6E30-2	6 Years	4500	4500	48	17-3/4	45-3/4	45-3/4	80	0.93	\$503	
	38	Short	6ES40-2	6 Years	4500	4500	45	23	31-1/2	31-1/2	108	0.92	\$508	
	40	Medium	6EM40-2	6 Years	4500	4500	53	19-3/4	46-1/2	46-1/2	95	0.92	\$508	
	40	Tall	6E40-2	6 Years	4500	4500	57	17-3/4	59-1/4	59-1/4	96	0.92	\$508	
	47	Short	6ES50-2	6 Years	4500	4500	55	26-1/4	32	32	149	0.91	\$514	
	50	Medium	6EM50-2	6 Years	4500	4500	62	21-3/4	46	46	117	0.90	\$520	
	50	Tall	6E50-2	6 Years	4500	4500	67	19	57	57	107	0.90	\$520	
	65	Tall	6E65-2	6 Years	4500	4500	71	21	58-1/2	58-1/2	150	0.89	\$525	
	85	Tall	6E80-2	6 Years	4500	4500	88	23	59	59	177	0.86	\$544	
	120	Tall	6E120-2	6 Years	4500	4500	99	28-1/4	62-1/2	62-1/2	324	0.85	\$550	
	6 Year Utility Models†	40	Medium	6EMR40-2	6 Years	4500	4500	56	22-1/4	46-3/4	46-3/4	104	0.94	\$497
50		Medium	6EMR50-2	6 Years	4500	4500	62	24-1/4	46	46	128	0.93	\$503	
50		Tall	6ER50-2	6 Years	4500	4500	67	22-1/4	57	57	123	0.94	\$497	
65		Tall	6ER65-2	6 Years	4500	4500	71	23	58-3/4	58-3/4	160	0.91	\$514	
80		Tall	6ER80-2	6 Years	4500	4500	88	24-1/2	59	59	181	0.90	\$520	
Mobile Home	30	Tall	T2V30-2	6 Years	4500	4500	46	17-3/4	45-1/2	39-3/4	70	0.93	\$503	
	40	Tall	T2V40-2	6 Years	4500	4500	51	19-3/4	46-3/4	40-1/4	94	0.93	\$503	
Point-of-Use	2.5	POU	6EP2-1	6 Years	–	1440	–	9-3/4	14	14	22	–	–	
	6	POU	6EP6-1	6 Years	–	2000	–	15-3/4	15 1/4	12-1/2	36	–	–	
	10	POU	6EP10-1	6 Years	–	2000	–	15-3/4	23	20-1/2	46	–	–	
	15	POU	6EP15-1	6 Years	–	2000	–	17-3/4	24-1/4	22	54	–	–	
	20	POU	6EP20-1	6 Years	–	2000	–	19-3/4	25-1/4	22-3/4	69	–	–	
	30	POU	6EP30-1	6 Years	–	2000	43	21-3/4	30	30	91	0.93	\$503	
Table Top	40	Table Top	8TV40-2	6 Years	4500	4500	45	25	36	33	156	0.88	\$531	
6 Year Solar Models	Side Connect w/ Electric Boost													
	80	Tall	S80-1	6 Years	4500	–	–	24-1/2	58-3/4	58-3/4	192	–	–	
	120	Tall	S120-1	6 Years	4500	–	–	28-1/2	62	62	336	–	–	
	Top Connect w/ Electric Boost													
	80	Tall	S80TC-1	6 Years	4500	–	–	24-1/2	58-3/4	58-3/4	192	–	–	
	120	Tall	S120TC-1	6 Years	4500	–	–	28-1/2	62	62	336	–	–	
	Heat Exchanger Model w/ Electric Boost													
	80	Tall	S80HE-1	6 Years	4500	–	–	24-1/2	58-3/4	58-3/4	222	–	–	
	120	Tall	S120HE-1	6 Years	4500	–	–	28-1/4	62	62	380	–	–	
	Solar Storage Tank w/ Heat Exchanger													
	80	Tall	S80HE-T	6 Years	–	–	–	24-1/2	58-3/4	58-3/4	222	–	–	
	120	Tall	S120HE-T	6 Years	–	–	–	28-1/4	62	62	380	–	–	

• Water heaters furnished with standard 240 volt AC, single phase, non-simultaneous wiring.
 • 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 for electricity is 10.65¢/KWH.
 • Hand hole option available on 8MV40-2 and 8V50-2 models.
 • Feature, dimensional and energy information is subject to change.
 † Electric utility model qualifies for most electric utility rebate programs.