
Hot Water Decisions Guide



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for our interactive hot water decisions tool.

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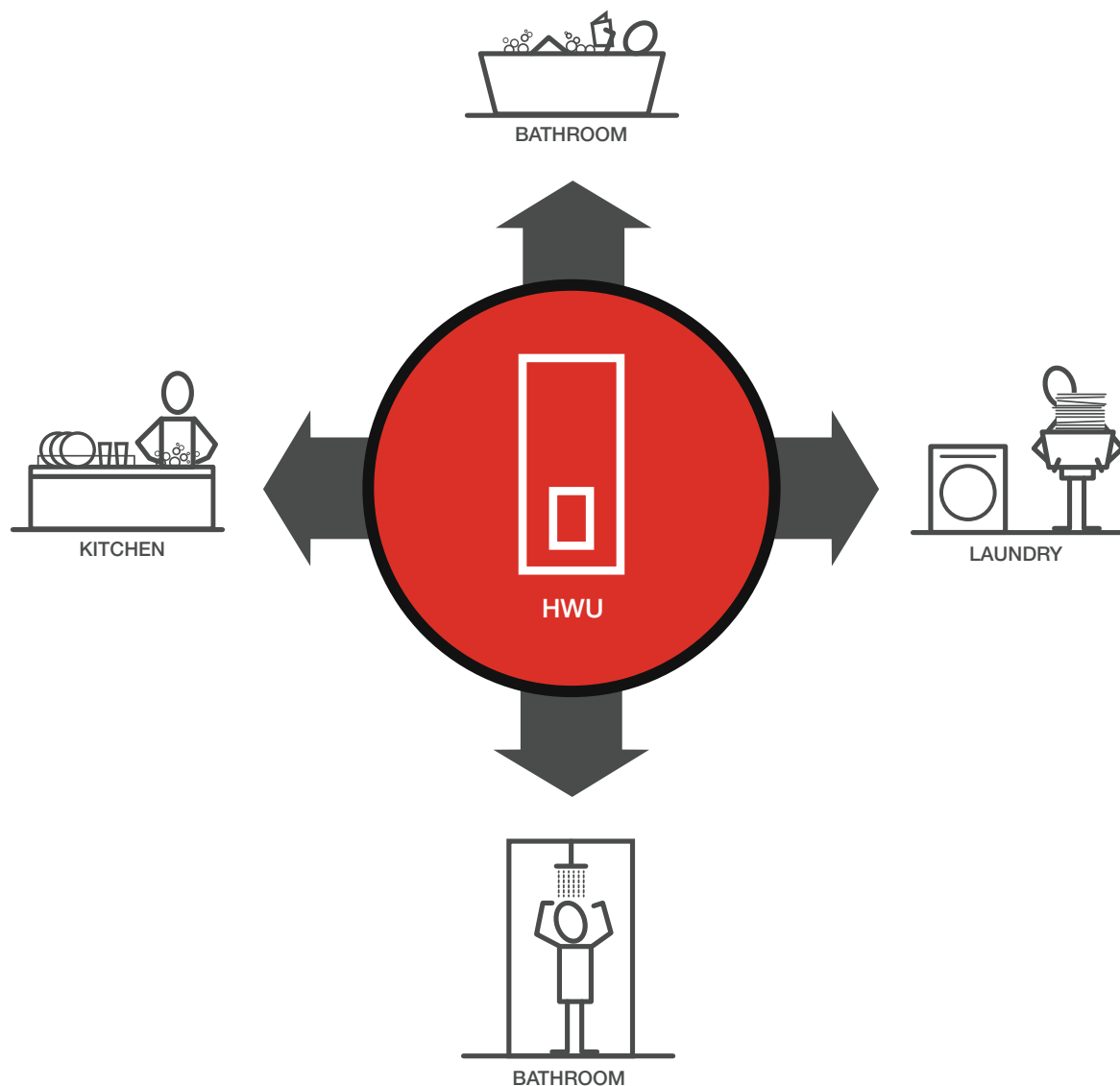
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Your hot water unit is the engine room of your home. It helps to ensure your bathroom, kitchen and laundry can perform well every day.

From the invigorating morning shower to the heavy-duty clothes wash, you need a hot water unit that can effectively meet the needs of your family.

Recently, rising energy costs and an increased emphasis on sustainability, have made choosing an efficient hot water unit even more important. That's why we've put together this handy guide. It's designed to help you select the perfect hot water unit for your needs.

Your local licensed plumber can also be a valuable source of advice when deciding which hot water system is ideal for you.



What are my options?

Gas Units

Natural Gas hot water systems are generally cheaper to run than electricity. If you are in an area which doesn't have natural gas available you could consider using LPG (natural gas usually comes through pipes, LPG is gas you usually buy in bottles). There are options for gas systems to be installed inside, however they do require fluing.

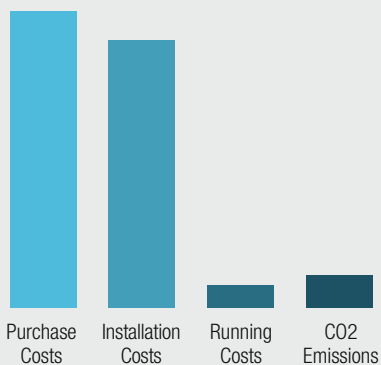
Solar Gas Boosted

Pros

- > Free energy from the sun
- > Reduced monthly gas bills
- > Government incentives can help offset part of the initial investment
- > Uses a continuous flow unit for a backup booster, which means you will never run out of hot water

Cons

- > Higher installation cost
- > Tank takes up more space than continuous flow units (units with roof mounted tanks are also available)
- > Less efficient in winter
- > Panels have to be installed on a north facing roof to maximise the efficiency of the sun



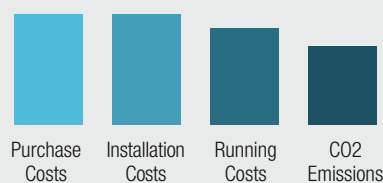
Continuous Flow

Pros

- > Save space with small footprint mounted on your wall
- > They heat water as you need it, so you will never run out of hot water
- > Controllers can be installed to accurately deliver required water temperature

Cons

- > You may need to upgrade your gas line which can add to your upfront costs
- > Small amount of water (approx 1 to 2 litres) is wasted in initial delivery
- > Most units need to be plugged into a powerpoint. If there is a power outage, unit will not work. (Units which do not require an electrical power supply are available)



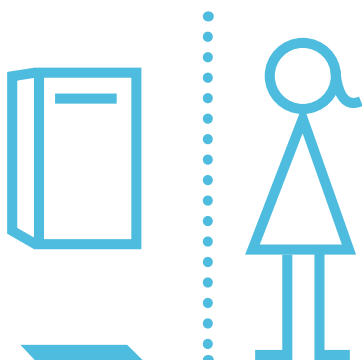
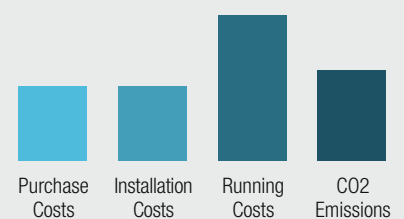
Gas Storage

Pros

- > Up front purchase costs are usually lower than other types of units
- > Lower installation costs with no upgrade of gas line required

Cons

- > Tank size takes up space
- > Heat loss from the tank, whether the water is being used or not
- > Not as energy efficient as a solar or continuous flow unit



What type of a user am I?

Step 1

Identify how many showers, baths or laundry loads you would do a day.

Step 2

Add up your final total to identify if you are a light, moderate or heavy user.

Step 3

Identify on the following pages which units best suit your usage needs in each storage type available.

Electric Units

Electric hot water units are generally more expensive to run than natural gas units. The cost of running them can be reduced by setting the unit on an off peak tariff or taking advantage of a free energy source like the sun. Unless the unit is running off a renewable energy source, it is likely to emit more greenhouse gas emissions versus other units.

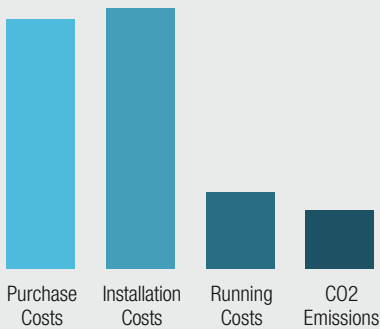
Solar Electric Boosted

Pros

- > Free energy from the sun
- > Reduced monthly electricity bills
- > Great for climates that receive a lot of sunshine
- > Government incentives can help offset part of the initial investment
- > Boosting element

Cons

- > Higher up front cost for equipment and installation
- > Less efficient in winter
- > Panels have to be installed on a north facing roof to maximise the efficiency of the sun



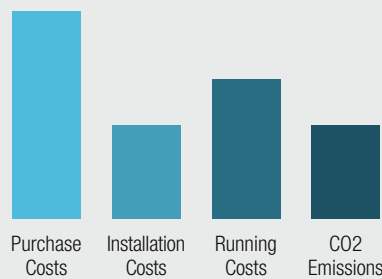
Heat Pump

Pros

- > Ease of installation as a heat pump uses the similar connections as an electric hot water system and similar footprint
- > Takes heat from ambient air to heat water
- > Environmentally friendly

Cons

- > Can be noisy when operating
- > Works best in the middle of the day when the temperature is at its hottest, however this is when electricity tariffs are also at their highest
- > Not as efficient when the outdoor air temperature falls near or below freezing



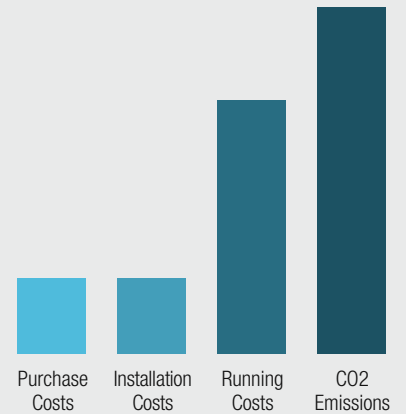
Electric Storage

Pros

- > Same footprint when replacing a like for like unit, saving money on replacement costs
- > Most affordable unit to purchase
- > Lower tariffs are often available, which will heat water during off-peak times

Cons

- > Rates as the highest when it comes to Co2 emissions.
- > When installed on an off peak tariff, high chance of running out of hot water during heavy load days. Water will not be reheated until over night



Showers



Baths



Laundry
(Hot loads only)

TOTAL

0	1	2	3+
0	1	2	3+
0	1	2	3+
light 0 - 3	moderate 4 - 6	heavy 7+	



Solar Gas Boosted

Thermann

Thermann Evacuated Tube Solar gas boosted systems provide an efficient and reliable supply of hot water by harnessing the sun's energy. And during those few times when it may need a little help, the gas booster provides the perfect back up, ensuring peace of mind, while still keeping your running costs low.

- > **Leading industry warranties**
- > **Innovative technology**
- > **Lightweight systems**
- heavy lifting not required
- > **Energy efficient evacuated tubes**
- > **Cyclone rated framework**
- > **Frost protection down to -15 degrees**



Everhot

Everhot Gas Boosted Solar systems use the sun's energy to heat water, so they are much better for the environment. We have an Everhot Gas Boosted Solar unit for everyone around the country, no matter where you live.

- > **Enhanced frost protection**
- > **Continuous flow gas boosted solar**
- enjoy endless efficient hot water from the standard 20L/min gas booster or upgrade to a 26L/min
- > **High efficiency solar collectors**



Solar systems use the sun's energy to heat water, so they are much better for the environment and cheaper to run.

Rheem Premier Hiline

The Rheem Premier is a high performance roof mounted solar solution that's ideal for more moderate climates.

- > Minimal energy consumption
- > Frost protection
- > High performance collectors
- > Roof mounted tank



Apricus Stainless Steel

The Apricus solar collector takes advantage of the efficiency benefits provided by solar evacuated tubes, combined with heat pipes and glass wool insulation, representing the latest in thermal solar technology.

- > Reduced carbon emissions
- > 15 year cylinder warranty
- > Flexible mounting and size options



Hot Tip

For solar systems, Collectors should face true north and need to be inclined correctly to catch the most sunlight.



Usage	Model	No. of People	Tank Location	No. of Collectors	Storage Capacity (Litres)	Cylinder Dimensions (HxDia)	Cylinder Warranty
Heavy	Thermann Glass Lined Gas 315	4 to 6	Ground	30 tube	334	1682 X 648	10 years
Heavy	Apricus Stainless Steel Gas 315	4 to 6	Ground	30 tube	332	1990 X 620	15 years
Heavy	Rinnai Sunmaster 8-SL	4 to 7	Ground	3 panel	315	1510 x 685	5 years
Moderate	Everhot ES220 Direct System	2 to 5	Ground	2 panel	220	1595 x 627 x 601	7 years
Moderate	Rheem Premier Hiline 300	2 to 5	Roof	2 panel	300	2490 x 2198 x 563	6 years
Moderate	Thermann Glass Lined Gas 250	2 to 4	Ground	22 tube	268	1389 X 648	10 years
Moderate	Apricus Stainless Steel Gas 250	2 to 4	Ground	22 tube	269	1620 X 620	15 years
Light	Thermann Glass Lined Gas 160	1 to 2	Ground	10 tube	195	1502 X 540	10 years
Light	Rheem Premier Hiline 180	1 to 3	Roof	1 panel	180	2490 x 1495 x 563	6 years
Light	Apricus Stainless Steel Gas 160	1 to 2	Ground	10 tube	181	1140 X 620	15 years



Thermann

Designed and manufactured in Japan, Thermann Gas Continuous Flow hot water units use the latest technologies to heat water as required, rather than storing it. This simply means they'll never run out of hot water.

- > Japanese technology and manufacture
- > AGA approved
- > Over 50 years of manufacturing experience
- > Available in NG and LPG
- > Watermark approved
- > Solar upgradable
- > 10 year warranty
- > Controllers available



Rinnai Infinity

The Rinnai Infinity Continuous Flow systems are high performance units designed for significant users of hot water.

- > Preheat with smart start function
- > Compact, space saving design
- > 10 year warranty on heat exchanger
- > Indoor model available on the 26L model
- > Controllers available



Gas Continuous Flow hot water units heat water as required, so they never run out. They are much smaller than storage systems, saving valuable space.

Rheem

Rheem Continuous Flow offers a flow rate for every size home, from 18-27L. Remote temperature controllers enable greater control for family safety, and up to 40L/minute is possible with Rheem's EZ Link system.

- > **5 star+ energy rating**
- > **Compact, space saving models**
- > **10 year warranty on heat exchanger**
- > **Remote temperature controllers for extra safety**
- > **Rheem Flamesafe overheat protection**
- > **Rheem EZ Link system delivers up to 40L/minute**



Bosch HydroPower

The Bosch External HydroPower models are perfect for a constant, reliable supply of hot water. The Bosch External HydroPower range provides constant hot water at the turn of a tap, without the need for a powerpoint. These models can be operated in relatively low water and gas pressure areas of Australia and New Zealand.

- > **Uses water flow to ignite burner**
- > **Compact design**
- > **4.5+ star energy efficiency**
- > **Suitable for 1 - 2 bathroom homes**
- > **10 year warranty on heat exchanger**
- > **Internal or external available**



Hot Tip

Controllers can be installed to accurately deliver hot water.



Usage	Model	No. of People	Energy Rating	Hourly Gas Consumption	Capacity @ 25°C Rise (L/min)	Heat Exchanger Warranty	Dimensions
Heavy	Rinnai Infinity 26	4 to 6	6.0 stars	199 MJ/hr	26	12 years	530 x 350 x 194
Heavy	Thermann 26	4 to 6	5.8 stars	200 MJ/hr	26	10 years	575 x 350 x 165
Heavy	Everhot 26	4 to 6	5.9 stars	199 MJ/hr	26	10 years	565 x 350 x 205
Heavy	Rheem 27	4 to 6	6.0 stars	205 MJ/hr	27	10 years	600 x 350 x 215
Moderate	Rinnai Infinity 20	3 to 4	6.0 stars	160 MJ/hr	20	12 years	530 x 350 x 194
Moderate	Thermann 20	3 to 4	5.3 stars	160 MJ/hr	20	10 years	575 x 350 x 165
Moderate	Everhot 20	3 to 4	6.0 stars	153 MJ/hr	20	10 years	520 x 350 x 160
Moderate	Rheem 24	4 to 5	6.0 stars	188 MJ/hr	24	10 years	565 x 350 x 205
Light	Rinnai Infinity 16	2 to 3	6.2 stars	125 MJ/hr	16	12 years	530 x 350 x 194
Light	Thermann 16	2 to 3	5.2 stars	125 MJ/hr	16	10 years	575 x 350 x 165
Light	Rheem 18	2 to 3	6.0 stars	140 MJ/hr	18	10 years	520 x 350 x 160
Light	Bosch HydroPower 16H	n/a	5.0 stars	130 MJ/hr	16	10 years	936 x 460 x 265
Light	Bosch Pilot 16P	n/a	4.3 stars	130 MJ/hr	16	10 years	936 x 460 x 265



Everhot 5 Star

Everhot 5 star units not only help save the environment, they'll also save you money.

- > Full mains pressure at multiple taps
- > Made in Australia
- > Product backed and supported by Rheem
- > 272L and 302L available
- > 272L - Available in NG or LPG
- > 7 year warranty



Rheem Stellar

Rheem Stellar range offers fast 200L/hour recovery, and the unique SuperFlue design increases both efficiency and longevity, with a 10 year warranty.

- > Fast, high recovery - 200L/hour
- > High performance
- > 5 star energy rating
- > 10 year cylinder warranty
- > Available in NG and LPG



Gas Storage hot water units are available in 4 and 5 star. Cylinders can be made from stainless steel or vitreous enamel coated steel.

Thermann 4 Star

The Thermann 4 star Gas hot water heater is suited to families of 2-4 people. With an adjustable thermostat for safety and efficiency it allows you to be in control of your operating costs and performance.

- > 4 star efficiency
- > Full mains pressure taps
- > Small footprint, easy replacement
- > Available in NG & LPG
- > Dual handed
- > Available in 135L or 170L



Everhot 4 Star

The Everhot 4 star has the capacity to suit most family sizes and hot water requirements, as well as being a fast easy replacement for 3 star units - same dimensions.

- > Full mains pressure at multiple taps
- > 4 star energy rating
- > Made in Australia
- > Available in NG or LPG



Hot Tip

When buying a Gas storage heater, choose a system with a 5 star energy rating. These systems provide maximum efficiency.



Usage	Model	No. of People	Energy Rating	Hourly Gas Consumption	Capacity (L/min)	First Hr Delivery (Litres)	Recovery rate @ 45°C Rise (Litres)	Cylinder Warranty	Dimensions
Heavy	Rheem stellar 360	3 to 6	5.0 stars	42 MJ/hr	160	360	200	10 years	1900 x 485 x 558
Heavy	Everhot 302	3 to 6	5.3 stars	32 MJ/hr	160	302	142	7 years	1922 x 485 x 556
Heavy	Rheem 5 star 295	3 to 5	5.3 stars	30 MJ/hr	160	302	142	5 years	1922 x 485 x 556
Moderate	Rheem stellar 330	2 to 5	5.2 stars	42 MJ/hr	130	330	200	10 years	1600 x 485 x 558
Moderate	Everhot 272	2 to 4	5.0 stars	30 MJ/hr	135	270	135	7 years	1410 x 475 x 565
Moderate	Rheem 5 star 265	2 to 4	5.3 stars	30 MJ/hr	130	272	142	5 years	1622 x 485 x 556
Light	Rheem 4 star 135	2 to 4	4 stars	27 MJ/hr	135	252	117	7 years	1558 x 422 x 502
Light	Thermann 135	2 to 4	4 stars	33 MJ/hr	135	210	125	7 years	1601 x 490 x 502
Light	Everhot 135	2 to 4	4 stars	27 MJ/hr	135	252	117	7 years	1558 x 422 x 502
Light	Vulcan 135	2 to 4	4.3 stars	27MJ/hr	135	252	113	5 years	1558 x 422 x 502



Solar Electric Boosted

Thermann

Thermann Evacuated Tube Solar electric boosted systems offer the best of both worlds. While the tubes harness the sun's energy to heat your water you also have the confidence of an affordable electric tank to provide back up if needed. So you'll not only have peace of mind, you'll also reduce your running costs.

- > **Leading industry warranties**
- > **Innovative technology**
- > **Lightweight systems- heavy lifting not required**
- > **Energy efficient**
- > **Cyclone rated framework**
- > **Frost protection down to -15 degrees**



Rheem Loline

The Rheem Loline is the perfect solution for those that want solar power, without a roof mounted storage tank.

- > **Environmentally friendly**
- > **Minimal energy consumption**
- > **Large capacity system**
- > **Efficient flat panel**



Solar systems use the sun's energy to heat water, so they are much better for the environment and cheaper to run.

Rinnai Sunmaster

The Rinnai Sunmaster Solar system offers solutions for gas and electric in a split system. Panels sit on the roof, while the streamlined tank sits on the ground.

- > High quality vitreous enamel lined cylinders
- > Supplied with high efficiency Enduro or Equinox Collectors
- > Available as split systems only



Apricus Stainless Steel

The Apricus solar collector takes advantage of the efficiency benefits provided by solar evacuated tubes, combined with heat pipes and glass wool insulation, representing the latest in thermal solar technology.

- > Reduced carbon emissions
- > 15 year cylinder warranty
- > Flexible mounting and size options



Hot Tip

When you install a solar hot water unit, you may be eligible to receive assistance with your purchase and installation costs via government incentives (STC's).



Usage	Model	No. of People	Tank Location	No. of Collectors /Tubes	Storage Capacity (Litres)	Cylinder Dimensions (HxWxD)	Cylinder Warranty
Heavy	Thermann 400	5+	Ground	44 tube	436	1721 X 731	10 years
Heavy	Rinnai Sunmaster System 8-SL	4 to 7	Ground	3	315	1510 x 685	5 years
Heavy	Rheem Loline 410	3 to 6	Ground	3	410	1840 x 690 x 730	5 years
Moderate	Thermann 315	4 to 6	Ground	30	334	1682 X 648	10 years
Moderate	Apricus Stainless 315	4 to 6	Ground	22, 30 or 44 tube	332	1990 X 620	15 years
Moderate	Rheem Hilline 300	2 to 5	Roof	2	300	2490 x 2198 x 540	5 years
Moderate	Rheem Loline 325	2 to 4	Ground	2	325	1640 x 640 x 680	5 years
Light	Thermann 250	2 to 4	Ground	22	268	1389 X 648	10 years
Light	Apricus Stainless 250	2 to 4	Ground	22 or 30 tube	269	1620 X 620	15 years
Light	Thermann 160	1 to 2	Ground	10 or 22 tube	195	1502 X 540	10 years
Light	Apricus Stainless 160	1 to 2	Ground	10 or 22 tube	181	1140 X 620	15 years



Everhot Split

Everhot Heat Pumps deliver the very latest technology at an affordable price. As one of the most efficient hot water systems, they are a more environmentally friendly alternative to straight gas and electric storage systems.

- > Everhot 270L, 325L & 410L Split System
- > Ground mounted installation (no solar panels)
- > Split design, allows the tank & heat pump module to be installed up to 4 metres apart
- > Tank can be installed indoors
- > 7 year cylinder warranty



Everhot Integrated

The Everhot 310 litre Heat Pump delivers innovation at an affordable price.

- > 310L capacity
- > Heats water to 60°C, which is available for immediate use
- > Ground mounted installation (no solar panels)
- > Two piece, site integrated design
- > 7 Year cylinder warranty



Heat Pumps are one of the most efficient hot water systems and they are a more environmentally friendly alternative to straight Gas and Electric storage systems.

Rheem MPi

The Rheem MPi-325 features 'Whisper Technology' for supremely quiet operation, and offers the convenience of a 2 piece design for easy handling, which is integrated on-site by only one tradesman.

- > Features 'Whisper Technology'
- > One person installation
- > Constant recovery
- > 5 year cylinder warranty



Rheem HDi

The 310L Rheem Heat Pump utilises environmental heating technology to efficiently heat water using the air's warmth. Its advanced 'top-down' heating design delivers a concentrated volume of hot water available for immediate use.

- > Excellent energy efficiency
- > Reduces greenhouse gas emissions
- > Usable hot water faster
- > Top down heating
- > No solar panels
- > 5 year cylinder warranty



Hot Tip

Heat Pumps work at their highest efficiencies in warmer climates. Although some also have an electric booster as backup to supply hot water.



Usage	Model	No. of People	Storage Capacity (Litres)	Booster Element (kW)	Cylinder Warranty	Dimensions
Heavy	Rheem MPi 410*	2 to 5	410	2.4 or 3.6	5 years	1842 x 931 x 686
Heavy	Everhot 410 Split*	2 to 5	410	3.6	7 years	1842 x 726 x 686 (module 1034 x 575 x 332)
Heavy	Everhot 310 Integrated	3 to 6	310	3.6	7 years	1870 x 670 x 679
Heavy	Rheem HDi 310	3 to 6	310	2.4 or 3.6	5 years	1870 x 670 x 679
Moderate	Everhot 325 Split	2 to 5	325	3.6	7 years	1637 x 676 x 638 (module 1034 x 575 x 332)
Moderate	Rheem MPi 325	2 to 5	325	1.8, 2.4 or 3.6	5 years	1631 x 638 x 863
Moderate	Stiebel Eltron WW K300A	2 to 5	300	3.6	5 years	1862 x 670
Light	Everhot 270 Split*	2 to 4	270	3.6	7 years	1382 x 676 x 638 (module 1034 x 575 x 332)

*Not available in all areas.



Thermann

The Australian made Thermann electric storage hot water units heat water in an insulated tank by an electric element. They're quick and easy to install and are available in 8 different sizes to suit your needs.

- > Australian made tanks
- > Electric footprint Identical
– easy changeover
- > Manufactured using state
of the art machinery
- > 25 - 160L dual handed
- > 250L - 400L solar upgradeable
- > 7 year warranty



Everhot

Capable of delivering 320 litres of hot water in the first hour, the Everhot is ideal for the significant home water user.

- > Fast recovery
- > Thermostat control
- > Mains pressure unit
- > 25L - 400L
- > Dual handed
- > 7 year warranty



In electric storage hot water units, water is heated in an insulated tank by an electric element, like a giant kettle.

Rheemglas

Featuring Rheem's unique Rheemglas enamel, and CFC-free insulation, the Rheemglas economical electric storage range is ideal for large or small applications.

- > Vitreous enamel lining
- > Mains pressure unit
- > Off-peak system
- > Available in either single or twin element
- > 25L - 400L



Rheem Optima

A popular choice in electric storage heaters, the Rheem Optima range is guaranteed to provide years of reliable service.

- > Mains pressure unit
- > Adjustable thermostat
- > Available in either single or twin element
- > 24hr hot water boosting
- > 10 year cylinder warranty
- > 150L, 300L, 415L only



Hot Tip

It is important to understand which electricity tariff your hot water unit is connected to

Off Peak

- Water is only heated at night
- Cheaper to run
- Larger size storage capacity is required so hot water does not run out during the day

Domestic/Continuous

- Water is heated throughout the day and night as required
- More expensive to run
- Smaller unit can be selected as hot water can be continually heated throughout the day

Usage	Model	Inlet/Outlet	No. of People (continuous)	No. of People (off-peak)	Element (kw)	Storage Capacity (Litres)	Cylinder Warranty	Dimensions
Heavy	Rheemglas 400	Dual	5 to 9	4 to 6	3.6, 4.8	412	7 years	1840 x 690 x 755
Heavy	Everhot 400	Dual	5 to 9	4 to 6	4.8	400	7 years	1840 x 690 x 755
Heavy	Thermann 400	Left	5 to 9	4 to 6	3.6	415	7 years	1704 x 705
Moderate	Rheemglas 315	Dual	4 to 6	2 to 4	3.6, 4.8	324	7 years	1640 x 640 x 700
Moderate	Everhot 315	Dual	4 to 6	2 to 4	3.6, 4.8	324	7 years	1640 x 640 x 680
Moderate	Thermann 315	Left	4 to 6	2 to 4	3.6	322	7 years	1765 x 617
Moderate	Rheem Optima 315	Dual	4 to 6	2 to 4	3.6, 4.8	324	7 years	1640 x 640 x 680
Light	Rheemglas 250	Dual	2 to 4	1 to 3	3.6, 4.8	250	7 years	1395 x 640 x 700
Light	Everhot 250	Dual	2 to 4	1 to 3	3.6, 4.8	250	7 years	1395 x 640 x 700
Light	Thermann 250	Left	2 to 4	1 to 3	3.6	250	7 years	1444 x 617
Light	Everhot 160	Dual	2 to 4	N/A	1.8, 2.4, 3.6	160	7 years	1610 x 480 x 515
Light	Thermann 160	Dual	2 to 4	N/A	2.4, 3.6	160	7 years	940 x 480 x 515

Don't risk it, use a licensed plumber.™

Once you have chosen your new hot water system you will need a professional to install it for you. Always use a licensed plumber and electrician and ensure that your system is serviced to manufacturer instructions.



Reece. Works for you.™

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