

Hot Water Decisions Guide

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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.



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.



Pros

- > Utilises 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





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
- > No mains pressure
- > Takes longer to deliver hot water than a storage heater





Pros

- > Up front purchase costs are usually lower than other types of units
- > Lower installation costs with no upgrade of gas line required
- > Delivers hot water faster, as the water is stored ready for immediate use
- > 5 star energy efficient models also available

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



Above graphs are to be used as an indicative guide only, final results may vary dependent on individual scenarios.



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

- > Utilises 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



Pros

- > Can be connected to extended (16hr) off peak tariffs
- > 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
- > Suited to warmer climates



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











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 tubes
- > Energy efficient evacuated tubes
- > Cyclone rated framework
- > Frost protection down to -15 degrees
- > Eligible for Government Incentives (STC's)



everhot22

Everhot

Everhot Gas Boosted Solar systems use the sun's energy to heat water, so they are much better for the environment, and economical to operate.

- > Enhanced frost protection
- > 6 star energy efficient Continuous Flow boost options (26L/min or 20L/min available)
- > High efficiency solar collectors
- > Factory installed pump and controller
- > Australian made tank and solar collectors
- > Eligible for Government incentives (STC's)



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



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	22 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

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.

- > Flexible mounting and size options



Thermann 6*

Designed and manufactured in Japan, Thermann 6* Gas Continuous Flow hot water units use industry leading technologies to heat water as required, rather than storing it. This simply means they'll never run out of hot water.

- > Japanese technology & manufacture
- > 6*+ efficiency
- > Available in 16L, 20L & 26L
- > NG & LPG
- > 20L & 26L Solar Upgradeable
- > Cascading ability link 2 units
- > Universal controllers
- > Flue Diverter available
- > 12 year warranty on heat exchanger
- > Compact design



Rinnai Infinity

The Rinnai Infinity Continuous Flow systems are high performance units designed for significant users of hot water. With a compact, space saving design, they will provide you with endless hot water.

- > 12 year warranty on heat exchanger
- > 6 star+ energy rating
- > Available in 16L, 20L, 26L & 32L (internal option on 26L)
- > Range of controllers available (some with bath fill/shower saver)
- > Puretemp[™] temperature stability technology
- > Preheat with Smartstart® Water Saver function optional

Rinnai Infinity 26 Touch

- > All the features of Australia's favourite Infinity 26, now supplied together with a wireless temperature control
- > No wiring of controllers and additional controls can be purchased (up to 4 controls on 1 unit)
- > New look sleek and compact design





Rheem

Rheem Continuous Flow offers a flow rate for every size home, from 12-27L. Remote temperature controllers enable greater control for family safety, and up to 54L/minute is possible with Rheem's EZ Link system.

- > 6 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 54L/minute
- > Available in 12L, 16L, 18L, 20L, 24L & 27L



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 Touch	4 to 6	6.1 stars	199 MJ/hr	26	12 years	503 x 356 x 202
Heavy	Rinnai Infinity 26	4 to 6	6.1 stars	199 MJ/hr	26	12 years	530 x 350 x 194
Heavy	Thermann 6* 26	4 to 6	6.1 stars	200 MJ/hr	26	12 years	520 x 350 x 200
Heavy	Thermann 5* 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	6.1 stars	160 MJ/hr	20	12 years	530 x 350 x 194
Moderate	Thermann 6* 20	3 to 4	6.5 stars	158 MJ/hr	20	12 years	520 x 350 x 200
Moderate	Thermann 5* 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 6* 16	2 to 3	6.3 stars	125 MJ/hr	16	12 years	520 x 350 x 200
Light	Thermann 5* 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 models available
- > 272L Available in NG & LPG
- > 7 year cylinder 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 cylinder warranty.

- > High recovery 200L/hour
- > High performance
- > 5 star energy rating
- > 10 year cylinder warranty
- > Available in NG & LPG
- > Made in Australia



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



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	272	142	7 years	1410 x 475 x 565
Moderate	Rheem 5 star 265	2 to 4	5.3 stars	30 MJ/hr	130	272	142	7 years	1622 x 485 x 556
Light	Rheem 4 star 135	2 to 4	4 stars	27 MJ/hr	135	248	113	7 years	1558 x 422 x 502
Light	Thermann 135	2 to 4	4 stars	23 MJ/hr	135	239	104	7 years	1601 x 422 x 502
Light	Everhot 135	2 to 4	4 stars	27 MJ/hr	135	248	113	7 years	1558 x 422 x 502
Light	Vulcan 135	2 to 4	4.3 stars	27 MJ/hr	135	248	113	5 years	1558 x 422 x 502



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 tubes
- > Energy efficient
- > Cyclone rated framework
- > Frost protection down to -15 degrees
- > Eligible for Government Incentives (STC's)



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
- > Efficient flat panels
- > Large capacity systems 250L, 315L, 400L
- > Tank & Solar collectors Made in Australia
- > Eligible for Government Incentives (STC's)





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
- > Eligible for Government Incentives (STC's)

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 tube	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 Hiline 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 tube	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 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
- > Energy Efficient
- > Eligible for Government Incentives (STC's)



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
- > High recovery
- > Similar footprint to Electric Storage Units
- > Eligible for Government Incentives (STC's)



everhot325

everhot32

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 Series 11

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.

- > New Series 11 design
- > Features 'Whisper Technology'
- > Constant recovery
- > 5 year cylinder warranty
- > Can be connected to extended 16hr off peak tariffs
- > Eligible for Government Incentives (STC's)



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
- > Top down heating
- > Eligible for Government Incentives (STC's)
- > 5 year cylinder warranty
- > Heavy Duty model
- > Can be connected to extended 16hr off peak tariffs



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

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.

- > Electric footprint Identical easy changeover
- > 25L 160L dual handed
- > 250L 400L solar upgradeable
- > 7 year cylinder warranty



Everhot

Everhot electric hot water heaters provide an easy option when replacing an existing electric hot water unit. Water is heated quickly providing an affordable solution for your hot water needs.

- > Fast recovery
- > Mains pressure unit
- > 25L 400L capacities
- > Dual Handed across the range
- > 7 year cylinder warranty
- > 25L & 50L feature compact dimensions



Rheemglas

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

- > Dual handed inlet & outlet fittings
- > Twin element available providing a daytime boost for high demand hot water use
- > Mains pressure for hot water from multiple taps and showers at the same time
- > Money saving designed for off-peak energy rates
- > Suitable for both indoor and outdoor installations
- > 7 year cylinder warranty



Rheem Optima

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

- > Mains pressure unit
- > Back up 24 hr boosting (top element in twin element models)
- > Available in either single or twin element
- > 24hr hot water boosting
- > 10 year cylinder warranty
- > 250L, 315L, 415L only



Hot Tip It is important to understand which electricity tariff your hot water unit is connected to. Check with your energy supplier to learn more.

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 735
Heavy	Everhot 400	Dual	5 to 9	4 to 6	4.8	412	7 years	1840 x 690 x 755
Heavy	Thermann 400	Left	5 to 9	4 to 6	3.6	415	7 years	1705 x 705
Moderate	Rheemglas 315	Dual	4 to 6	2 to 4	3.6, 4.8	324	7 years	1640 x 640 x 680
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 620
Moderate	Rheem Optima 315	Left	4 to 6	2 to 4	3.6, 4.8	324	10 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 680
Light	Everhot 250	Dual	2 to 4	1 to 3	3.6, 4.8	250	7 years	1395 x 640 x 680
Light	Thermann 250	Left	2 to 4	1 to 3	3.6	250	7 years	1445 x 617
Light	Everhot 160	Dual	2 to 4	N/A	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	1345 x 530

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.



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