

HOT WATER

decisions guide



reece™

A QUALITY HOT WATER SYSTEM IS DEFINITELY ONE OF THE MOST IMPORTANT THINGS YOU CAN HAVE IN YOUR HOME. AFTER ALL, ITS THE ENGINE ROOM OF YOUR BATHROOM.

At Reece, we want to make sure you get the right hot water unit for your lifestyle - one that provides enough hot water for you and your family.

Recently, rising energy costs and an increased awareness of global warming have made the process of choosing a new hot water unit even more significant. That's why we put together this handy decisions why we put together this handy decisions guide. It's designed to help you select the perfect hot water system for your needs.

If you have any questions, one of our staff will be happy to walk you through the decision making process. Your local licensed plumber is also a valuable source of advice when considering which system is ideal for you.

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HOT WATER AND THE ENVIRONMENT

Sustainability has become a major consideration for plumbers and their customers. The Federal and State Governments are even involved, with incentives for more environmentally friendly systems (although these change from time to time). The cost of buying and installing a system is merely the tip of the iceberg. The real cost is how much you'll pay to run it over its lifetime. Inefficient systems can cost as much to run as an average car.

There's a lot to think about, and some exciting new technologies and products such as gas boosted solar, heat pumps and 5 star gas. Here are some things to consider when you're making your choice.

Help the environment.

When you're installing a new system, there are options which use less energy and emit significantly less greenhouse gases into our atmosphere. As the black balloon chart opposite shows, your hot water system uses up to 25% of your home's energy, so this is one significant way you can help our environment. And, of course, save money.

Money matters.

It was easy when governments were offering generous rebates. But the market has changed with more choices on offer. Sometimes spending a bit more now can save a lot in the future. As the running costs graph opposite shows, when you purchase a more efficient hot water system, even if it costs slightly more, you use less energy, which saves money in the long term.

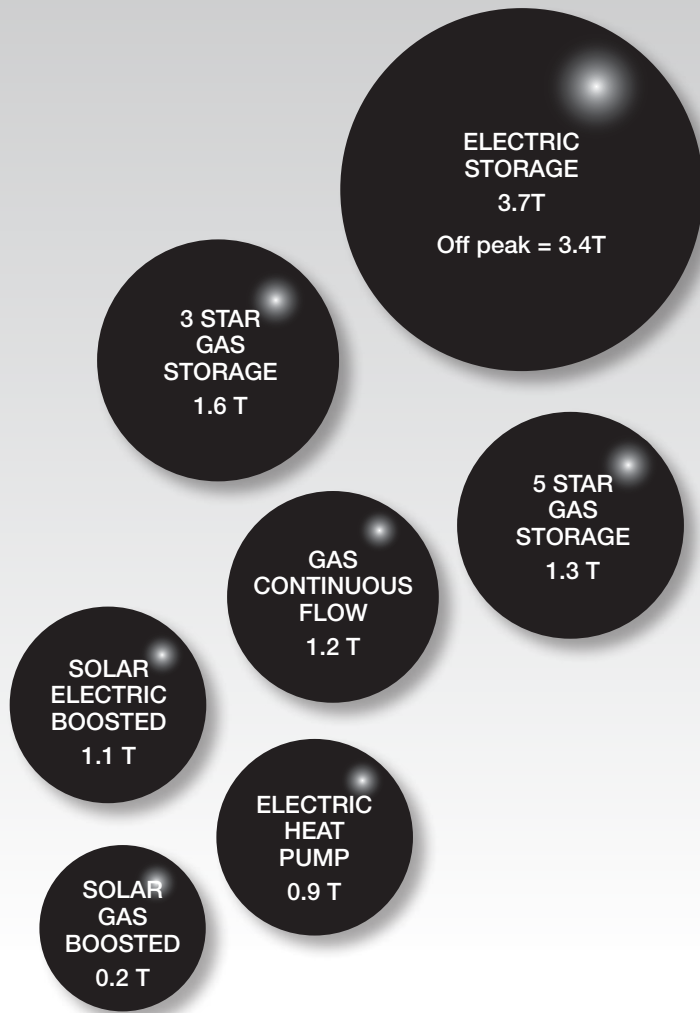
Government rebates and renewable energy certificates.

When you install an energy efficient hot water unit, you may receive assistance with the purchase and installation costs through government rebates and renewable energy certificate schemes (which also translate into cash in your pocket). Visit our website at www.reece.com.au/sustainability to find out what's available. Or talk to your plumber.



CO² EMISSIONS PER YEAR BY HOT WATER SYSTEMS

T = Tonnes



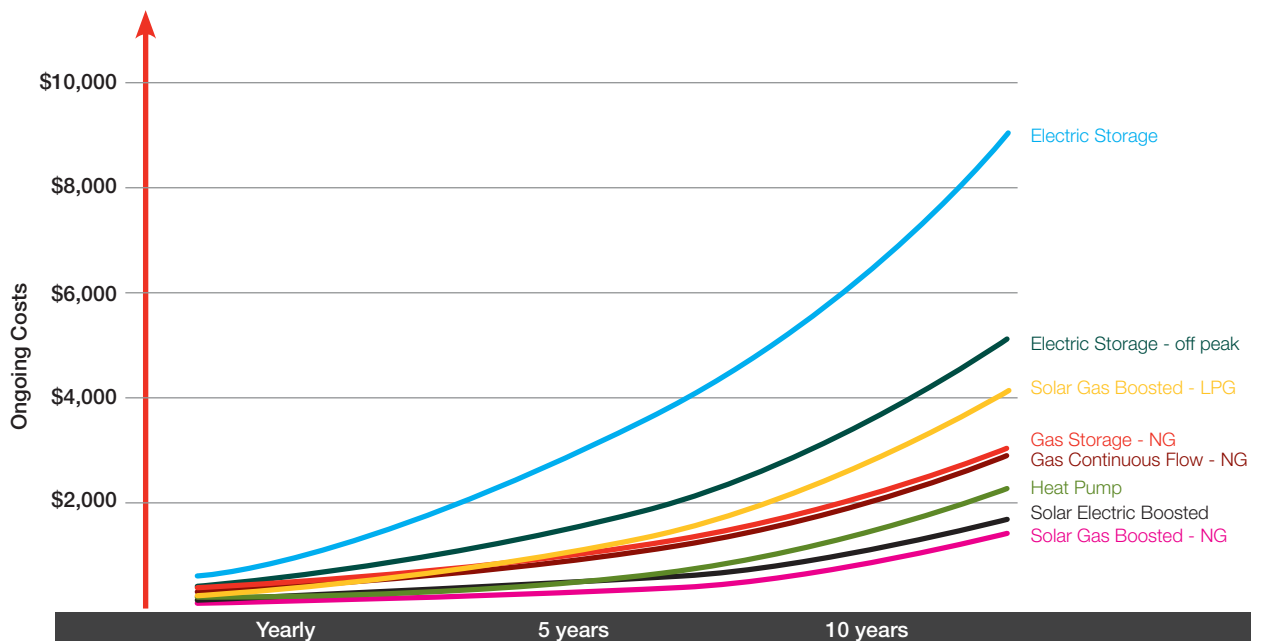
Hot water systems can account for 25% of household CO² emissions.

Replacing an Electric hot water unit with a Solar system or Heat Pump is equal to taking a car off the road in terms of carbon emissions.

Riedy/Milne/Reardon 2008, Your Home Technical Manual - Edition 4 - 6.5 HOT WATER SERVICE, pp197-204, Department of the Environment, Water, Heritage and the Arts, accessed 19th March 2010.

RUNNING COSTS

When choosing a hot water system, there are a number of factors you need to consider beyond the unit price. Installation costs can vary greatly for different types of hot water units. Ongoing running costs should also play a part in your purchase decision. As the following chart illustrates, environmentally friendly hot water systems will always save you money over the longer term.



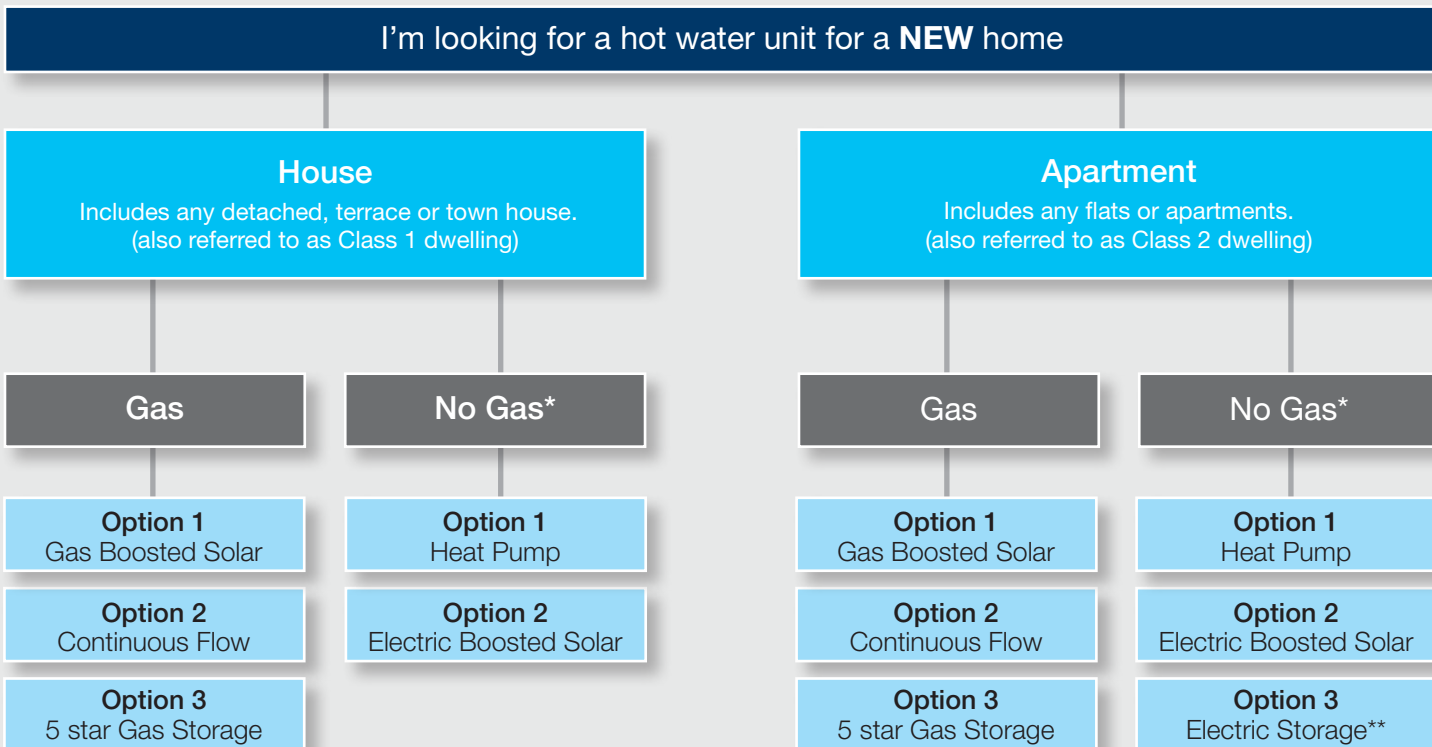
Guide only based on current average energy cost. This chart does not account for increased Electricity or Gas costs in coming years.

Energy Consult Pty Ltd 2009, Estimated Hot Water System Running Costs in Victoria, Sustainability Victoria, accessed 19th March 2010, <http://www.resourceart.vic.gov.au/documents/HotWater_RunningCosts_Victoria2008.pdf>

THINGS TO CONSIDER WHEN CHOOSING A HOT WATER SYSTEM.

There are a number of important factors to determine the most appropriate hot water system for your home or apartment. The flow charts below is designed to highlight the key factors you should consider when selecting a hot water system.

1. WHAT TYPE OF HOT WATER UNIT DO I NEED?



*If your home is not currently connected to natural gas it can be beneficial to check if it is available in your area. Although there may be a high up-front cost to switch, your ongoing running costs will be lower over time. ** Please Note: The installation of Electric and 3 & 4 star Gas units may be prohibited in some states due to legislation. If unsure, check with your relevant local authorities.

2. WHAT SIZE UNIT DO YOU NEED?

Once you have decided on the type of unit you want you need to think about your water usage.

How many showers, baths and hot water washing loads does your family have daily?

1 - 3 = Light

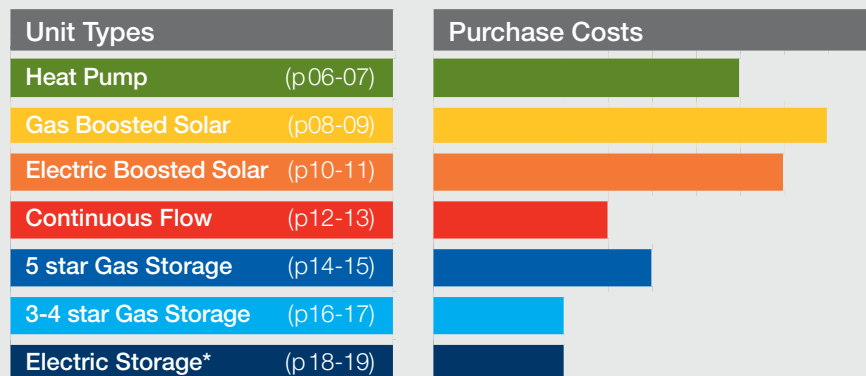
4 - 5 = Moderate

6 - 10 = Heavy

Keep this in mind as you go through the following product pages.

3. COMPARE THE UNITS

When comparing unit types, the length of each coloured bar represents how low or high the relative costs or emissions are.



The above chart is to be used as a guide only. Results vary depending on location and model types.
* When installed on continuous tariff. Running costs significantly reduced when on off-peak tariff



I'm looking to **REPLACE** an existing hot water unit

House
Includes any detached, terrace or town house.
(also referred to as Class 1 dwelling)

Apartment
Includes any flats or apartments.
(also referred to as Class 2 dwelling)

Gas

No Gas*

Gas

No Gas*

Option 1
Gas Boosted Solar

Option 1
Heat Pump

Option 1
Gas Boosted Solar

Option 1
Heat Pump

Option 2
Continuous Flow

Option 2
Electric Boosted Solar

Option 2
Continuous Flow

Option 2
Electric Boosted Solar

Option 3
5 star Gas Storage

Option 3
Electric Storage**

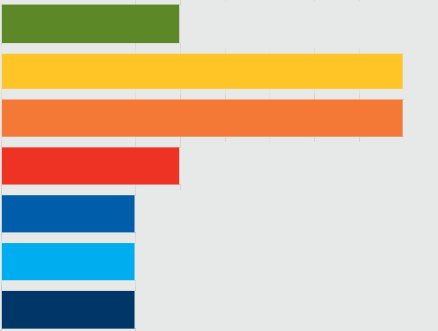
Option 3
5 star Gas Storage

Option 3
Electric Storage**

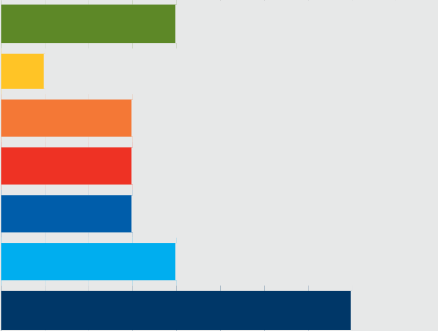
Option 4
3-4 star Gas Storage**

Option 4
3-4 star Gas Storage**

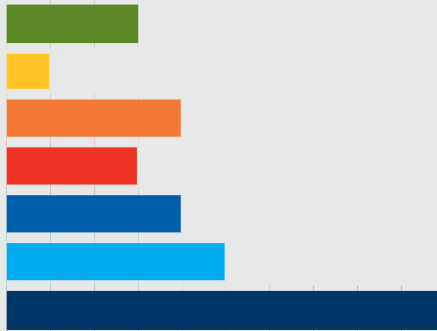
Installation Costs



Running Costs



CO² Emissions



Everhot 310 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



Rheem MPi-325

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



Heat Pump

Heat Pumps are a relatively new technology that are becoming very popular. They work by removing heat from the ambient air to warm water. Heat Pumps attract RECs and government rebates.

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. Heat Pumps are usually located at ground level and are approximately the same size as conventional hot water tanks. Like Solar, some Heat Pumps use an Electric booster to supply adequate hot water during periods of very cold weather.

Usage	Model	Code
Heavy	Rheem Heat Pump HDi 310	1300549
Heavy	Everhot 310 Integrated	1300899
Moderate	Everhot 325 Split	1300897
Moderate	Rheem Heat Pump MPi 325	1300617
Moderate	Dux Airoheat Subzero	1317834
Moderate	Rheem MPS-325 Split Heat	1300808

Everhot 325L Split System

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 4m's apart



Dux Airoheat

The Dux Airoheat Subzero is Australia's most highly awarded hot water system. It's the most efficient Heat Pump in its class and one of the quietest available. It is a single piece unit that requires no on-site assembly and easily replaces a standard Electric storage system.

- > No collectors on roof
- > Easy to install
- > Reduces energy usage
- > Environmentally friendly



Hot Spot

Robert and Rose are a busy working couple with two growing children. They are looking to replace their faulty Electric hot water unit and they are both conscious of doing their bit for the environment. There is always plenty of washing to do and the kids have a warm bath every night before bed.

Choice:
Everhot 325L Split System

No. of People	Storage Capacity (Litres)	Booster Element	Cylinder Warranty	Dimensions
2 to 6	310	3.6kw	5 years	1870 x 670 x 679
3 to 6	310	3.6kw	7 years	1870 x 670 x 679
1 to 4	325	3.6kw	7 years	1034 x 575 x 332
2 to 5	325	3.6kw	5 years	1631 x 638 x 863
2 to 5	250	No	5 years	1755 x 632 x 632
2 to 5	325	3.6kw	5 years	1034 x 575 x 332

Everhot Direct

The Everhot Direct is an efficient Gas boosted Solar system, incorporating a slim design ground mounted tank, and one roof mounted collector. Available with either a 20L/min or 26L/min Gas booster

- > Environmentally friendly
- > Patented frost resistance technology
- > Compact system



Everhot Indirect

The Everhot Indirect is an efficient, split Gas boosted Solar system, featuring drain back heat exchange technology. Available with either a 20L/min or 26L/min Gas booster

- > Complete frost protection
- > Aesthetically pleasing square design
- > Easy to install



Solar Gas Boosted

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

They are the cheapest hot water systems to run but generally have a higher initial purchase price. Their average payback period is 6 years. This means they can save you money over the life of the unit. All these Solar systems come with Gas or LPG boosters to supply adequate hot water during periods of low sunshine or very cold weather. Solar systems use collectors located on the roof and connected to a storage tank on the roof or at ground level. Ground level tanks are sometimes preferred because they provide a clean roofline. Solar systems attract RECs and government rebates.

Usage	Model
Heavy	Rheem Loline 430
Heavy	Rheem Loline 340
Heavy	Dux Sunpro 315
Moderate	Rheem Premier Hiline 300
Moderate	Dux Sunpro 250
Moderate	Rinnai Sunmaster 5
Moderate	Rheem Premier Loline 270
Moderate	Rinnai Sunmaster 2
Light	Everhot Direct 26
Light	Everhot Indirect 26
Light	Rheem Premier Hiline 180
Light	Rinnai Sunmaster 1

Dux Sunpro Gas Continuous Boosted Solar

The award winning Dux Sunpro Gas automatically boosts on demand when Solar gain is insufficient using a 26L/min Continuous Flow booster. RECs values and rebates exist. Available in NG and LPG.

- > Most environmentally friendly hot water type
- > Lowest running cost hot water type
- > 26L/min boost helps you to stay in hot water
- > Award winning Solar
- > Available 250,315 and 400 litres



Rinnai Sunmaster

The Rinnai Sunmaster Solar split system is where only the Solar collector panels sit on the roof and the storage tank is located at ground level. A small pump circulates the water from the tank through the panels to collect the heat energy from the sun.

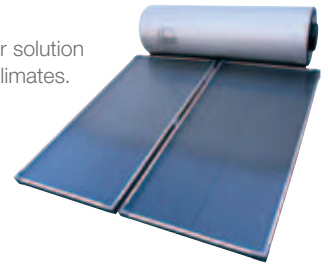
- > Gas and Electric boosted options
- > Streamlined appearance.



Rheem Premier Hiline

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

- > Environmentally friendly
- > Minimal energy consumption
- > Freeze protection
- > High performance collectors



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
- > Quick boosting
- > Ease of installation



No. of People	No. of Collectors	Tank Location	Storage Capacity (Litres)	Cylinder Warranty
4 to 6	3	Ground	410	5 years
3 to 6	2	Ground	325	5 years
4 to 7	2	Ground	324	5 years
2 to 5	2	Roof	300	6 years
4 to 6	2	Ground	259	5 years
4 to 5	2	Ground	270	5 years
2 to 5	2	Ground	270	5 years
3 to 5	1	Ground	175	5 years
2 to 5	1	Ground	160	7 years
2 to 5	1	Ground	160	7 years
1 to 2	1	Roof	180	6 years
1 to 4	1	Ground	175	5 years

Dux Sunpro Electric Boosted Solar

Dux Sunpro Electric Boosted Solar is simple to install and provides high RECs values. Mid element makes for efficient boosting on those cloudy days.

- > Extremely efficient hot water
- > Lowest running cost hot water type (Electric)
- > Great for homes without Natural Gas connected



Rheem Loline

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- > Minimal energy consumption
- > Large capacity system
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Solar Electric Boosted

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Usage	Model
Heavy	Rheem Loline 430
Heavy	Dux Sunpro 400
Moderate	Rheem Loline 340
Moderate	Dux Sunpro 315
Moderate	Rheem Premier Hiline 300
Moderate	Rinnai Sunmaster 8
Light	Rheem Loline 270
Light	Dux Sunpro 250
Light	Rheem Premier Hiline 180

Hot Spot

John and Sandra live in Perth and have three teenage children. Their large home has two bathrooms. Their boys have football training twice a week and play on weekends. They use the washing machine almost every night with up to eight showers a day.

Choice:
Dux Sunpro 400



Rinnai Sunmaster

The Rinnai Sunmaster Solar split system is where only the Solar collector panels sit on the roof and the storage tank is located at ground level. A small pump circulates the water from the tank through the panels to collect the heat energy from the sun.

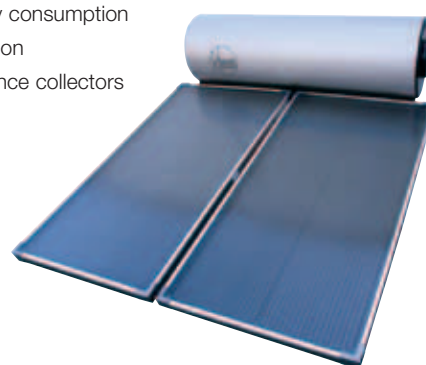
- > Gas and Electric boosted options
- > Streamlined appearance



Rheem Premier Hiline

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

- > Environmentally friendly
- > Minimal energy consumption
- > Freeze protection
- > High performance collectors



No. of People	No. of Collectors	Tank Location	Storage Capacity (Litres)	Cylinder Warranty
4 to 6	3	Ground	410	5 years
4 to 7	3	Ground	416	5 years
2 to 4	2	Ground	325	5 years
3 to 5	2	Ground	324	5 years
2 to 5	2	Roof	300	6 years
4 to 5	3	Ground	315	5 years
1 to 3	2	Ground	270	5 years
2 to 4	2	Ground	259	5 years
1 to 2	1	Roof	180	6 years

Hot Spot

Emma and David are in their mid 30s, they have two young boys, three and six years of age. The kids are always getting dirty playing in the backyard, so there is a warm bath every night as well as plenty of washing.

Choice:
Everhot 26 Continuous Flow System



Everhot

Everhot Continuous Flow water heaters are energy efficient high performance units available in both 20 & 26L/Minute flow rates.

- > Never runs out of hot water
- > 5.1 (Everhot 20) & 5.2 (Everhot 26) star energy rating
- > Compact, space saving design
- > 10 year warranty on heat exchanger
- > Controllers available



Continuous Flow

Gas Continuous Flow hot water units heat water as required, so they never run out. They are sometimes referred to as instantaneous units.

Gas Continuous is a sensible method of water heating, because you only pay to heat the water you use. Possibly the biggest advantage of these units is that they are much smaller than storage systems, saving valuable space. They can be installed both externally or internally with a flue. Continuous Flow systems are rated by the volume of hot water they can produce per minute - usually 10 to 26 litres. The more hot water you use, the higher capacity unit you will require. Gas units generally require a large Gas supply line, potentially adding to the cost of installation.

Usage	Description	Code
Heavy	Everhot 26	1300786
Heavy	Rinnai Infinity 26	1320330
Heavy	Rheem 27	1312546
Heavy	Rinnai Infinity Plus 26	1320293
Heavy	Rheem 24	1305233
Moderate	Everhot 20	1300834
Moderate	Rinnai Infinity 20	1320242
Moderate	Rheem 20	1305230
Light	Rheem 18	1305227
Light	Rinnai Infinity 16	1320223
Light	Bosch HydroPower 16H	1305962
Light	Bosch Standing Pilot 16P	1301530

Rheem Continuous Flow

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.

- > Never runs out of hot water
- > 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



Rinnai Infinity

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

- > Never runs out of hot water
- > Compact, space saving design
- > 10 year warranty on heat exchanger
- > Indoor model available on the 26L model



Rinnai Infinity Plus

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

- > Never runs out of hot water
- > Compact, space saving design
- > 12 year warranty



Bosch 16P Standing Pilot

- > Economical running costs
- > Environmentally Friendly - water is heated only as required
- > Continuous hot water
- > Pilot Ignition - no matches or power connection required to ignite unit
- > Compact design - smaller than traditional storage water heaters
- > External Installation
- > Premium Warranties - 10 year heat exchanger (part only) and 2 year parts and labour
- > Available in Natural Gas only



Bosch HydroPower

- > Uses water flow to ignite burner
- > Compact design
- > External installation
- > 4.5+ star energy efficiency
- > Suitable for 1 - 2 bathroom homes
- > 2 year warranty on parts and labour
- > 10 year warranty on heat exchanger
- > Internal or External



No. of People	Energy Rating	Hourly Gas Consumption	Capacity (Litres/min)	Heat Exchanger Warranty	Dimensions HxWxD
4 to 6	5.2 stars	199 MJ/hr	26	10 years	565 x 350 x 205
4 to 6	5.1 stars	199 MJ/hr	26	10 years	530 x 350 x 194
4 to 6	5.8 stars	200 MJ/hr	27	10 years	600 x 350 x 215
4 to 6	5.2 stars	199 MJ/hr	26	12 years	503 x 355 x 202
4 to 6	5.3 stars	188 MJ/hr	24	10 years	565 x 350 x 205
3 to 4	5.1 stars	153 MJ/hr	20	10 years	520 x 350 x 160
3 to 4	5.5 stars	160 MJ/hr	20	10 years	530 x 350 x 194
3 to 4	5.2 stars	157 MJ/hr	20	10 years	520 x 350 x 160
2 to 3	5.2 stars	157 MJ/hr	18	10 years	520 x 350 x 160
2 to 3	5.0 stars	125 MJ/hr	16	10 years	530 x 350 x 194
2 to 3	5.0 stars	130 MJ/hr	16	10 years	936 x 460 x 265
1 to 3	4.3 stars	130 MJ/hr	16	10 years	936 x 460 x 265

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.

- > Fast, high recovery
- 200L/hour
- > High performance
- > 5 star energy rating
- > 10 year cylinder warranty
- > Stylish, modern design



Aquamax 390

Ideal for new homes the Aquamax 390 boasts a stainless steel cylinder and fast recovery. It's even solar compatible.

- > Fast recovery unit
- > Ideal for new homes
- > Solar compatible
- > Stainless steel cylinder
- > 5 star energy rating



5 star Gas Storage

Holding the highest energy efficiency star rating for Gas Storage, these units not only help save the environment, they'll also save you money.

Gas Storage systems store heated water at a constant temperature in an insulated tank, ready for use. The water is reheated by a Gas flame when the temperature falls below the thermostat setting. Internal and external models are available. Internal models require a flue. Their storage capacity and recovery rate determines how much hot water they can deliver per hour. Because Gas hot water systems heat much faster than Electric systems, they usually require a smaller tank to produce the same amount of hot water per hour.

Usage	Description	Code	No. of People
Heavy	Rheem Stellar 360	1300750	3 to 6
Heavy	Dux Prodigy 360	1300792	4 to 7
Heavy	Aquamax 390	1309520	4 to 6
Moderate	Rheem Stellar 330	1300745	2 to 5
Moderate	Dux Prodigy 330	1300790	3 to 6
Moderate	Rheem 295	1312530	3 to 5
Light	Everhot 270	1305338	2 to 4
Light	Aquamax 270	1309534	2 to 4
Light	Rheem 265	1301170	2 to 4

All units listed above are for installation outdoors only. Indoor units are available on selected units. Speak to your Reece branch if you require your Gas storage unit to be located indoors.

Everhot 270

Holding one of the highest energy efficiency star ratings for Gas Storage, the Everhot 5 star units not only help save the environment, they'll also save you money.

- > Full Mains pressure at multiple taps
- > Natural and Propane gas models
- > 5 star energy rating
- > Compact design



Hot Spot

Natasha and Mitch are in their late twenties and are currently renovating their two-bedroom weatherboard. They have no kids but are planning to start a family in the next few years, so they're very conscious about the environment.

Choice:
Rheem Stellar 330

Energy Rating	Hourly Gas Consumption	Storage Capacity (Litres)	First Hr Delivery (Litres)	Recovery rate at 45deg Rise (litres)	Cylinder Warranty	Dimensions HxWxD
5.0 stars	42 MJ/hr	160	360	200	10 years	1900 x 485 x 558
5.0 stars	42 MJ/hr	170	371	201	10 years	2045 x 491 x 585
5.0 stars	40 MJ/hr	155	390	185	10 years	1635 x 520 x 610
5.2 stars	42 MJ/hr	130	330	200	10 years	1600 x 485 x 558
5.0 stars	42 MJ/hr	135	333	198	10 years	1732 x 491 x 585
5.0 stars	30 MJ/hr	160	302	142	5 years	1922 x 485 x 556
5.0 stars	30 MJ/hr	135	270	135	7 years	1410 x 475 x 545
5.0 stars	33 MJ/hr	130	270	145	10 years	1415 x 475 x 585
5.0 stars	30 MJ/hr	130	272	142	5 years	1622 x 485 x 556

Everhot 320

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

- > Fast recovery
- > 3 star energy rating
- > Thermostat control
- > Mains pressure unit



Rheemglas

A range of economical Gas water heaters featuring Rheem's unique Rheemglas enamel, for long-lasting protection and service.

- > Indoor & outdoor
- > Mains pressure unit
- > Fast recovery
- > Adjustable thermostat
- > 3 star energy rating



3 & 4 star Gas Storage

With low upfront costs, these units can be good replacements, however higher running fees over the long term may cost you more in the long run. They store heated water at a constant temperature in an insulated tank, ready for use. The water is reheated by a Gas flame when the temperature falls below the thermostat setting.

Internal and external models are available. Internal models require a flue. These systems are rated for their energy efficiency with an energy star rating system. The higher the star rating, the better the efficiency. Their storage capacity and recovery rate determines how much hot water they can deliver per hour.

Usage	Description	Code	No. of People
Heavy	Everhot 320	1300785	3 to 5
Heavy	Rheemglas 170	1300730	3 to 5
Heavy	Dux Prodigy 170	1301015	4 to 6
Moderate	Rheemglas 135	1300725	2 to 4
Moderate	Dux Prodigy 135	1301013	3 to 5
Light	Rheemglas 90	1300720	1 to 3

All units listed above are for installation outdoors only. Indoor units are available on selected units. Speak to your Reece branch if you require your Gas storage unit to be located indoors.
 ** Please Note: The installation of 3 & 4 star Gas units may be prohibited in some states due to legislation. If unsure, check with your relevant local authorities.

Dux Prodigy 3 star

The Dux Prodigy Gas water heater combines an environmentally sound 3 star energy efficiency rating with a stylish and distinctive design.

- > Thermostat control
- > Rapid reheat
- > Dual handed connections
- > Indoor option available



Hot Spot

Rob and Mary have a tight budget, but with two growing kids they're keen to upgrade their old gas unit to something robust, reliable and more affordable in the long term.

Choice:
Everhot 320



Energy Rating	Hourly Gas Consumption	Storage Capacity (Litres)	First Hr Delivery (Litres)	Recovery rate at 45deg Rise (litres)	Cylinder Warranty	Dimensions HxWxD
3.0 stars	40 MJ/hr	160	320	160	7 years	1898 x 422 x 502
2.9 stars	40 MJ/hr	160	335	175	5 years	1915 x 425 x 500
3.0 stars	33 MJ/hr	170	305	135	7 years	1896 x 421 x 503
3.2 stars	35 MJ/hr	130	280	150	5 years	1615 x 425 x 502
3.0 stars	33 MJ/hr	135	270	135	7 years	1601 x 421 x 503
3.4 stars	30 MJ/hr	85	210	125	5 years	1198 x 422 x 502

Everhot

The Everhot 315 Electric is the warmest way to start the day. With its huge 315 litre capacity, you can now enjoy hours of showers.

- > 7 year warranty on cylinder
- > Mains pressure unit
- > Initial capacity of 324 litres



Hot Spot

Robert and Rachel live in an apartment with only an electric connection. They are both very active, going to gym or for a run nearly every day. They have plenty of hot showers and do a lot of washing as well.

Choice:
Everhot 315 Electric

BE AWARE

In QLD and SA, electric systems can't be installed in any new detached, terraced or town house with access to piped gas, and not in new flats and apartments after 2012*. Other states to follow soon. There'll be some exemptions, but not many.

*Correct at time of publication.



Electric Storage

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

Units that are less than 160 litres generally recover continuously. These are suited to households where smaller amounts of hot water are used throughout the day rather than a large amount being required at one time. Systems greater than 160 litres capacity generally use off-peak electricity. With an off-peak system, water is heated overnight to provide adequate water for the following day, reducing your total electricity charges over that of a peak system. While Electric storage heaters are generally cheaper to purchase and install, they usually have the highest ongoing energy cost and are the least environmentally friendly option.

Usage	Model	Code
Heavy	Everhot 315	1300794
Heavy	Rheem Optima 400	1300585
Heavy	Dux Proflo 400	1300886
Heavy	Rheem Optima 315	1300076
Heavy	Rheemglas 315	1300067
Heavy	Dux Proflo 315	1300795
Moderate	Rheemglas 250	1300064
Moderate	Rheem Optima 250	1300550
Moderate	Dux Proflo 250	1300846
Light	Dux Proflo 160	1300841
Light	Rheemglas 160	1300055
Light	Rheemglas 125	1300044
Light	Dux Proflo 125	1300831
Light	Dux Proflo 80	1300821

*Due to Electric units being high carbon emitting units, some state bans exist with more to come.

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



Rheemglas

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

- > Mains pressure unit
- > Vitreous enamel lining
- > Available in either single or twin element
- > Off-peak system
- > Large capacity unit



Dux Proflo

Dux Proflo Electric storage units are reliable systems and dual handed plumbing makes them easy to install.

- > Mains connections
- > Adjustable thermostat



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

Off Peak	Domestic/Continuous
Water is only heated at night	Water is heated throughout the day and night as required
Cheaper to run	More expensive to run
Larger size storage capacity is required so hot water does not run out during the day	Smaller unit can be selected as hot water can be continually heated throughout the day

No. of People (continuous)	No. of People (off-peak)	Element*	No. of Elements*	Initial Delivery (Litres)	Cylinder Warranty	Dimensions HxWxD
4 to 6	2 to 4	3.6kw	1	324	7 years	1640 x 640 x 680
5 to 9	4 to 6	3.6kw	1	412	10 years	1840 x 690 x 755
8 to 13	5 to 8	3.6kw	1	416	7 years	1703 x 705
4 to 6	2 to 4	4.8kw	1	324	10 years	1640 x 640 x 705
4 to 6	2 to 4	4.8kw	1	324	5 years	1640 x 640 x 705
6 to 10	3 to 6	4.8kw	1	324	7 years	1754 x 617
3 to 5	1 to 3	4.8kw	1	270	5 years	1395 x 640 x 705
3 to 5	1 to 3	3.6kw	1	270	10 years	1395 x 640 x 705
5 to 8	2 to 4	3.6kw	1	259	7 years	1444 x 617
4 to 6	1 to 3	3.6kw	1	164	7 years	1317 x 532
2 to 4	N/A	3.6kw	1	165	5 years	1610 x 480 x 515
2 to 3	N/A	3.6kw	1	135	5 years	1340 x 480 x 515
3 to 5	N/A	3.6kw	1	128	7 years	1062 x 532
2 to 4	N/A	3.6kw	1	90	7 years	925 x 490

*Options available on units for number of elements used and wattage of elements. All units able to be installed indoor or outdoor.

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. When installed and used correctly your hot water system should last up to 10 years.





Hot Tips

- Have your system installed near to the point where most hot water will be used. This will keep heat loss to a minimum as the hot water travels through the pipes.
- Continuous Flow systems with Electric hydro ignition use significantly less energy than pilot systems.
- If buying a Gas storage heater, choose a system within 5 or 6 star energy rating. These systems provide maximum efficiency.
- Insulate the first two metres of hot water pipes leading from the hot water system. Closed cell rubber insulation is recommended. Ensure the insulation remains dry to prevent heat loss.
- Use low flow showerheads or install flow-restricting valves to existing showerheads, reducing the total volume of water used.
- For Solar systems, collectors should face true north and need to be inclined correctly to catch the most sunlight. Also make sure your roof can support the weight of the system.
- Tempering valves, when adjusted to an outlet temperature not exceeding 50°C, may be used for temperature limiting to minimise the risk of scalding.

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