

THE TRUTH

HOT WATER IN YOUR HOME



EDITION 4.3



BATHROOM

KITCHEN

LAUNDRY

COMMERCIAL

STEADY, HOT & STRONG

INSTALL A RHEEM™

www.rheem.co.nz

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Image courtesy of Methven

STEADY, HOT & STRONG

INTRODUCTION

Welcome to the fourth edition of The Truth - Hot Water In Your Home by Rheem.

Rheem are proud to bring you this easy to read reference guide that will detail not only the best water heating products on offer but also key information about hot water, its uses, volumes, heating and energy alternatives.

Hot water is one of life's true luxuries. Imagine life without it! Hot water has long been recognised through history for its ability to bring people together. Many cultures have bathhouse and sauna facilities to relax in and communicate with friends and family.

The bathroom itself is often a place you go to soak away tired muscles at the end of the day or to rejuvenate and freshen up when heading out of the home. This reference guide will help you find the most energy efficient hot water heating solution for your needs.

Should you have any further enquires or need further information please visit our website www.rheem.co.nz or call our Customer Service specialists on 0800 657 336.



TYPES OF WATER HEATING

There are many energy sources but only two types of water heaters.

ENERGY SOURCES

These include electricity, gas (ULPG or Natural) and renewable energy sources such as the sun, wind, wood and even pellet type fuel sources. What's more you can combine energy sources for incredibly efficient and sustainable water heating solutions. There are many ways to heat your water and here at Rheem we are dedicated to bringing you the right solution for the needs of your home and family.

STORAGE WATER HEATERS

These are the well known upright cylinders in our homes which are generally heated by electricity or gas. Suitable for mains pressure or low pressure.

GAS CONTINUOUS FLOW

Instead of storing the water it is heated as it passes through the unit providing an endless supply of hot water. Suitable for mains pressure only.



STORAGE WATER HEATERS

Low Pressure Storage

Rheem Low Pressure water heaters are a common sight in older houses and while they are typically electric, some gas systems do exist.

Over the years Rheem have improved the low pressure system with the latest insulation materials, plus Rheem offer a new vitreous enamel steel cylinder that provides more pressure and can cope with a wider range of problematic water types.

Refer to page 11 for further information.

Mains Pressure Storage

Rheem Mains Pressure water heaters are the preferred option in modern homes. They deliver full flow to multiple bathrooms and taps throughout the home.

Mains Pressure systems allow for a wider range of modern fittings and the latest appliances. Tank or bore water can also be pumped to mains pressure.

If you are living in a residential area you will almost certainly have mains pressure available at your gate.

Refer to page 8 for further information.

Heat Pump Water Heater

Heat pumps are the most advanced water heating option currently available. Using technology similar to refrigeration they extract free energy from the air transferring it into the water for the most efficient method of mains pressure water heating.

Refer to page 15 for further information.

Solar Water Heater

Solar utilises free energy from the sun with roof-mounted panels (collectors) as a heat source, then transfers the energy to a storage cylinder.

This can be paired with electric, gas storage or gas continuous flow for a reliable and energy efficient hot water system.

Refer to page 21 for further information.

GAS CONTINUOUS FLOW

Rheem Gas Continuous Flow water heaters are compact; excellent to use where space is at a premium.

Gas Continuous Flow water heaters range in size depending on the amount of hot water they can deliver per minute. Instead of storing the water it is heated as it passes through the unit providing an endless supply of hot water.

Available as an indoor model or the popular space saving outdoor models. Available in either ULPG or Natural Gas. Optional remote temperature controllers are also available.

Refer to page 13 for further information.



CHOOSE THE RIGHT HOT WATER SYSTEM FOR YOUR HOME

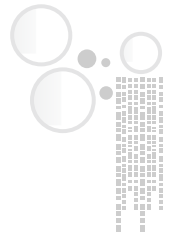
Go to www.rheem.co.nz/selector and answer a few simple questions about your hot water requirements and get a unique list of products to match your home water heating needs. It's as simple as that.



www.rheem.co.nz/selector

INSTALL A RHEEM™

RHEEM - HOT WATER TECHNOLOGISTS



Rheem has been a trusted name in New Zealand since it began making gas hot water systems in Wellington in 1969.

Rheem started with gas fired mains pressure water heaters and low pressure electric cylinders moving through to mains pressure electric in 1973. Even in the early days Rheem was at the leading edge of hot water heating technology quickly expanding its range of water heaters to offer a range of products that has grown year after year to provide the best options for domestic and commercial water heating needs.

Remember the old wall mounted Zip?

A great example of technology that has moved forward, now offered in a range of super smart wall mounted Lazer® units available in a range of models and sizes with digital controls that save energy and are safer and more user friendly.

The development of the state of the art “On-Tap” instant boiling and chilled water dispensing tap is also a first for New Zealand manufacturing.

Rheem has a highly skilled and committed Research and Development team right here in New Zealand working to improve water heating technology for future generations to benefit from.



HOT WATER SAFETY

Abundant hot water is a lovely thing, however almost 40% of New Zealand homes have hot water that's dangerously hot, and nearly 10% have water so hot that burns are inevitable.

(BRANZ Research)

A safe bath temperature for young children is between 37 - 38°C. When you are running a bath, always put the cold water in first, test the temperature and stay in the room to supervise.

New Zealand Building Code compliance law requires hot water to be stored at 60°C or higher to eliminate the risk of Legionella bacteria growing. A tempering valve installed after your hot water cylinder or before the outlets is the acceptable solution to provide safe hot water to your showers, hand basins and bath. The valve mixes in cold water to provide safer water temperature at the outlet for personal hygiene. Laundry and kitchens do not require tempering.

A high quality continuous flow gas system such as the Rheem Continuous Flow has a preset 55°C electronic temperature setting. It also has the facility to connect kitchen and bathroom controllers which allows the homeowner to change the temperature to as low as 38°C - a great safety feature for filling a bath.

At **70°C** the skin is burned instantly.*

Water at **60°C** will cause bad burns within one second.*

At **54°C** it takes ten seconds to burn.*

38°C is a safe bathing temperature.*

*Burns Injury. Retrieved August 13, 2009 from <http://www.safekids.org.nz>





ELECTRIC MAINS PRESSURE RHEEM OPTIMA

Purpose built for the outdoors

The Rheem Optima is a mains pressure electric storage system that is a family favourite. Suitable for indoor or outdoor installation and available in capacities from 180 and 300 litres.

The 300 litre model features twin heating elements to offer night rates*. Only one element will come on at any one time. This is known as a non-simultaneous system. When the tank is full of cold water the upper element will take priority heating the top portion of the water. Once the desired temperature is reached the upper thermostat flips the power to the lower thermostat and element to heat the lower portion of the tank.

The Rheem Optima is ideal for families who want multiple showers and simultaneous hot water draw off.



Rheem Optima

- Ultra long-life design
- Suitable for a wide range of water qualities
- Delivers up to 40 litres of hot water per minute
- NZ MEPS Compliant
- Relief valve setting: 1000 kPa

2-7 people	180 & 300L	Indoor/ Outdoor	12 year warranty**
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Refer to page 23 for full specifications

**Refer to Page 33

*Night rates

You may be able to switch to a night rate electricity tariff which could halve your hot water bill. It's not available in all areas of the country though - check with your electricity supplier first.





ELECTRIC MAINS PRESSURE

STAINLESS STEEL

As older low pressure systems need replacing, the trend is to replace these with mains pressure.

With up to 40 litres per minute flow rate you can have multiple showers and taps running while maintaining a stable shower temperature.

Our stainless steel mains pressure water heaters are generally heated with electricity, they are also Heat Pump and Solar compatible*.

Available in various sizes from 135L to 300L.



Rheem Mains Pressure Electric

- Heat Pump and Solar compatible
- Suitable for a wide range of water conditions
- Indoor/Outdoor Installation
- Incoloy Element (Top Element kit-set available as spare part for 180, 250 and 300L models)
- TPR valve setting: 135 & 180L = 1000 kPa, 250 & 300L = 850kPa
- Ease of Replacement - Diameters match popular Rheem Mains Pressure models

1-7 people	135-300L	Indoor/Outdoor	10 Year** Warranty
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Refer to page 24 for full specifications

*Excludes 135L model. **Refer to page 33

STAINLESS STEEL COIL



This tried and tested coil heat exchanger system provides an opportunity to future proof your hot water supply. Connect to either solar, wetback and heat pump or a combination of sources.

Each unit comes with a lower element installed and an upper element can also be added to act as a back-up or booster.

Rheem Mains Pressure Electric Coil

- Designed and engineered in New Zealand
- Single or dual coil options
- Left or right connections
- Future proof your hot water supply

2-7 people	250 & 300L	10 Year** Warranty
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Refer to page 24 for full specifications



ELECTRIC MAINS PRESSURE VITREOUS ENAMEL (VE)

New Zealand is a unique environment and here at Rheem we've continually developed our advanced range of vitreous enamel lined Mains Pressure Water Heaters to withstand almost every water supply available in New Zealand.

Vitreous enamel, is a long established and trusted finish for metal. It is entirely inorganic and the enamel coating is fused (i.e. not coated) to the metal substrate of the water heater at temperatures in excess of 900°C. This provides a durable, impervious, hygienic and hard finish to prevent rusting and corrosion.

Rheem Vitreous Enamel has been extensively tested in the laboratory and under actual field conditions for many years.

Rheem Vitreous Enamel water heaters provide the best corrosion resistance to a wide range of water conditions including varying pH levels, high chlorides, hard water and MIC (Microbiological Induced Corrosion) as found in parts of the country and areas with untreated bore water.

Rheem Vitreous Enamel Technology is tried and true - we've manufactured water heaters here in New Zealand since 1969. During that time we have continually developed our Vitreous Enamel technology and introduced higher resistant enamels and steel manufacturing techniques to produce a world class range of water heaters.

Rheem Mains Pressure Electric

- Abundant hot water
- Suitable for all water pressures
- Vitreous Enamel lined cylinder
- Twin & dual element models
- Can deliver up to 40 litres of hot water per minute
- NZ MEPS Compliant
- Suitable for a wide range of water conditions
- TPR valve setting: 1000 kPa
- All VE water heaters are fitted with a sacrificial magnesium anode to provide additional corrosion protection to the cylinder in adverse water conditions

1-7 people	25-300L	Indoor	10 Year Warranty*
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Refer to page 23 for full specifications

*Refer to page 33

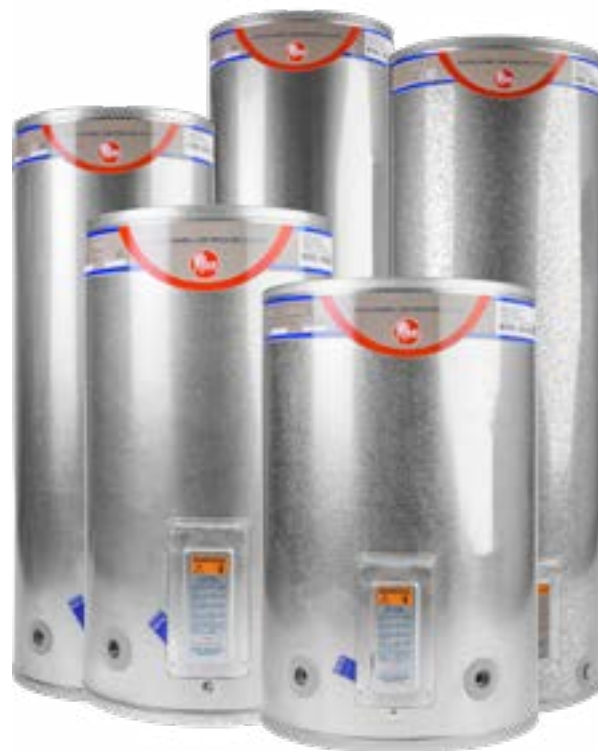




ELECTRIC LOW PRESSURE COPPER / VE

Low Pressure cylinders were the only option available until the 70's. There are three main ways to identify these water heaters. Most have a copper pipe that protrudes through the roof venting to the atmosphere, a large pressure reducing valve on the inlet, or a header tank in the ceiling space.

They are still popular today and a good choice for like-for-like replacement. Rheem also offer low pressure VE models which can operate at higher pressure (120kPa) and are ideal for pumped systems and areas where water quality is poor. Available from 15L to 270L with wetback models starting at 135L.



Rheem Low Pressure (Copper)

- Choice of 3 inlets (90 - 180L only)
- NZ MEPS compliant
- Tall, medium, short size options
- Wetback models available

1-6 people

15-350L

Indoor

Refer to page 24 for full specifications

Rheem Low Pressure (VE)

- Proven & tested Vitreous Enamel Technology
- Designed & built to suit a wide range of water conditions
- Designed to operate as Low Pressure Heavy Head - 120 kPa
- Triple inlet as standard
- NZ MEPS Compliant
- 10 Year Warranty*

1-7 people

90-270L

Indoor

Refer to page 25 for full specifications

*Refer to page 33





GAS STORAGE RHEEM STELLAR

Rheem lead New Zealand's Gas Storage water heating design and development. Many consumers associate the Rheem name with electric water heating yet Rheem were the first to start manufacturing gas storage way back in 1969 in Wellington.

Rheem Stellar can only be described as the “King” of gas water heaters. New Zealand's most efficient domestic gas storage water heater is designed for long life outdoor installation. The balanced super-flue design pulls the gas heated hot air through the unit twice to maximise efficiency. The exhaust temperature exits at a very safe temperature through a very modern stylish exterior flue that looks the part.

The Stellar delivers hot water up to 40 litres per minute, ideal for the modern home with high delivery tapware, massage showers and multiple bathrooms. If your home has no electrical connection and instead uses reticulated natural gas for heating and cooking, then it makes sense to heat your water with gas.



Rheem Stellar

- No electricity required
- Suitable for all water pressures
- Most efficient domestic gas storage water heater
- Advanced SuperFlue Technology
- NZ MEPS Compliant
- Current models natural gas only

2–6 people	130 & 160L	Outdoor
Refer to page 26 for full specifications		





GAS CONTINUOUS FLOW

Go with the Flow

Rheem are world leaders when it comes to manufacturing continuous flow gas water heaters. World class Japanese built gas water heaters are sold to multiple countries on a global scale including the USA and Rheem is proud to offer these in New Zealand.

Working differently from traditional storage water heaters, continuous flow water heaters only heat water on demand rather than heating and storing water until needed. Appliances can be conveniently mounted to, or recessed into, your exterior wall, taking up less space. They are ideal for homes with high peak loads or when hot water is required occasionally such as at a holiday home.

Either connected to natural gas or to ULPG storage bottles, the water temperature can be set either on the appliances or with optional remote temperature controllers installed indoors.

In homes where there is a high demand for water, or in colder areas where ambient water temperature is low, two appliances can be linked together using the Rheem EZ Link® system to supply twice the flow.



ENERGY EFFICIENT

All models in the Rheem continuous flow gas water heater range have a 6 star energy rating.



10 YEAR WARRANTY

Rheem offer a 10 year warranty on the heat exchanger and a 3 year warranty on parts and labour.



YOU'RE IN CONTROL

Optional intelligent soft touch control pads (Standard and Deluxe available) allow easy setting of safe temperatures. Deluxe controllers also offer a "bath fill" mode and shut off safety features.



FLAMESAFE OVERHEAT PROTECTION SYSTEM

Automatically shuts down the unit should a fault occur.



FROST PROTECTION

The Rheem range of continuous flow gas water heaters are frost protected down to -20°C (power must remain to the unit for the frost protection function to operate).



TWICE THE FLOW

In homes where there is high demand for water, or in colder areas where the ambient water temperature is low, two units can be linked together using the Rheem EZ Link® system to supply twice the flow. This system provides staged heating so energy usage corresponds only to the hot water demand.



Outdoor - 16L/min
1–1.5 Bathrooms, 1–3 people

An ideal solution for compact home sites, baches, cribs or apartments.



Outdoor - 20L/min
1.5–2 Bathrooms, 2–4 people

Medium capacity model ideal for small to medium sized homes and apartments.



Outdoor - 24L/min
2–3 Bathrooms, 4–5 people

A popular model in more temperate areas, with the capacity to suit most homes.



Outdoor - 27L/min
2.5–3 Bathrooms, 4–6 people

Our most popular capacity, ideal for larger families with limited space and high demands for hot water.





Flue Kit

The Indoor model must be installed using a certified Rheem flue system. Always check with local authorities that the installation complies with all regulations applicable in your area.

Indoor - 27L/min
2.5–3 Bathrooms, 4–6 people

The only Rheem indoor continuous flow model (must be flued to the outside of the building).



Optional Recess Box

Recess box comes with door and mounting brackets to fit various models.



Pipe Cover

Designed to cover pipework and valves.

Rheem Continuous Flow Gas Water Heaters

- Flamesafe overheat protection
- 6 star energy rating
- Digital display for easy fault diagnosis and service
- Frost protected down to –20°C
- Rheem EZ Link® compatible to link two units for increased supply
- Optional remote temperature controllers

16L–27L per minute

Natural Gas or ULPG

Refer to page 27 for full specifications



ELECTRIC HEAT PUMP

HDi-310

With up to 300% efficiency, the Rheem heat pump is the most efficient water heater in the range. It delivers an abundance of hot water with running costs equivalent to roughly one-third* of the traditional electric element water heater. For example, a family using 250 litres of hot water per day can achieve savings up to \$800 per year. (See savings example chart below). By using the available ambient heat in the atmosphere the typical heat pump uses 1kW of electrical energy to operate but produces an astonishing 3kW of heat transferred into the water. Excellent thermal insulation coupled with the latest refrigerant delivers maximum operational efficiency and long term reliability.

Heat pumps deliver similar benefits to solar without the need to install roof mounted solar panels. Environmentally friendly heat pumps are the future of water heating and available now.

HDi-310 Mains Pressure Heavy Duty Heat Pump

- Uses approximately one third* of the amount of electricity of a conventional electric water heater. Saving you up to two third's of your hot water energy cost (Reducing energy use and greenhouse gas emissions)
 - Advanced single-pass top-down heating technology delivers hot water to the top of the tank, heating the tank from the 'top-down' and providing usable hot water faster.
 - Fast recovery rate minimises Heat Pump operation, extending product life
- The economical Rheem Heat Pump uses ambient heat from the atmosphere as its primary energy source
- Packaged as two separate components and connected during installation for simpler handling, delivery and installation
 - Large 310L storage capacity and increased recovery rate
 - Back up element included

3-7 people	310L	Outdoor Install
Refer to page 28 for specifications		



How much could you save?

Monthly Power Bill	Electric Hot Water	Heat Pump Hot Water	Est. Annual Savings*
\$200	\$80	\$27	\$639
\$300	\$120	\$40	\$959
\$400	\$160	\$53	\$1,279
\$500	\$200	\$67	\$1,598
\$600	\$240	\$80	\$1,918
\$700	\$280	\$94	\$2,238
\$800	\$320	\$107	\$2,557
\$900	\$360	\$120	\$2,877
\$1,000	\$400	\$134	\$3,197

*Based on annual average heat pump water heater efficiency of 300%. Estimated annual savings have been rounded to the nearest dollar. Based on 22 cents per kW/h and 24 hour continuous tariff.

Prices may vary from region to region. For the most up to date pricing, check with your power company.



MPI-325

Designed with the smaller family, or couple in mind, the MPI-325 can provide hot water at a third of the cost of a standard water heater. A smaller compressor allows a lower operating noise level making the MPI-325 one of the quietest on the market. The large 325 litre cylinder means the heat pump runs at a constant optimised rate topping up as water is drawn off. Although the cylinder is 325 litres, this system would suit a household using up to 250 litres of hot water per day.

A back up element is also standard with this model and the simple two piece design allows for easy installation.



MPI-325 Mains Pressure Heat Pump

- Whisper Technology
- Reduces greenhouse gas emissions
- Provides hot water at approximately 1/3 of the cost of a standard water heater
- The smaller compressor results in a lower operating noise level, making the MPI-325 one of the quietest on the market
- Large 325 litre cylinder allows the heat pump to run at a constant optimised rate

1-4 people

325L

Outdoor Install

Refer to page 28 for specifications





RHEEM ON-TAP FILTERED, BOILING & CHILLED WATER

Stylish and Reliable Performance

The Rheem On-Tap filtered, boiling and chilled water delivery system is designed for the office, boardroom or the discerning home owner.

We live in a busy world where time, space and energy savings are important. The Rheem On-Tap is the perfect system that delivers filtered boiling and chilled water time after time from a sink or bench mounted tap that is both stylish and functional. Available with the chiller for refreshing, chilled water or without for filtered ambient water.

Filtered

Filtered water is essential for good health and the Rheem On-Tap 5 micron filter reduces chlorine taste and odour as well as lime-scale build-up.

This state of the art filter ensures you have clean, clear, pure water every time. You can taste the difference.

A filter light indicates when the filter is due to be changed and the simple filter system makes filter changes a breeze.

Boiling

Delivering boiling water at the touch of a button, the Rheem On-Tap is on call when you need it. No more waiting for kettles to boil and wasting valuable time. Delivering up to 140 cups per hour it's perfect for many office or home demands.

So whether it's break time in the workplace or time to cook or entertain at home, the Rheem On-Tap unit is your most versatile kitchen appliance delivering boiling water safely every time.

Aqua™



Azure™



Chilled to Perfection

Chilled water is a delicious, refreshing option.

The Rheem On-Tap offers an optional state of the art chiller able to deliver cool refreshing filtered water. Perfect for those hot Summer days.

Flexibility and Style

The Rheem On-Tap features separate modular boiler and chiller units allowing for greater flexibility in installation, accessing under-bench spaces which would not normally be possible with some other systems.

With auto calibration technology which will set the boiling point at set-up no matter whether you are on a ski-field at altitude or at sea-level.

Stylish and flexible accessories include the sink-free kit which gives you the option to install your unit in the boardroom or island bench without the need of a sink.



Energy Efficient

With an energy savings approach, our designers have packed this product with energy saving features. The 7 day programmable timer means that you can have filtered boiling or chilled water when you want it and save energy when you don't. The ability to set your boiling water between 70-99°C plus a selectable timer for sleep mode can reduce energy consumption by up to 40% over a normal week.

Safety

Safety is paramount in today's fast paced environment and the Rheem On-Tap can deliver with a two-fingered operation safety button activated at your discretion.

The safety button ensures that young and at-risk alike are safe from inadvertently dispensing boiling water.

This no splash, drip free unit ensures safety at every step of operation.



*Excludes Chiller

On-Tap Aqua™ & Azure™

- Premium 3 in 1 solution
- Available in two stylish tap designs
- Up to 140 cups of boiling water p/hr (170ml cup size)
- Sink-free options available

Up to 140 cups boiling water p/hr

Indoor Install

Refer to page 29 for specifications



Aqua™



Azure™



LAZER[®] OFFICE & ECO

Office

The Rheem Lazer[®] Office delivers boiling water with style and efficiency. An attractive asset to any workplace kitchen or boardroom, Rheem Lazer[®] Office is packed with performance features with a clean, sophisticated look.

Rheem Lazer[®] Office

- Rheem Lazer[®] Office is available in three and five litre capacities - equating to 20 to 35 cups of ready to use boiling water and up to 140 cups per hour
- Two stylish finishes - powder coated white or brushed stainless steel
- Integrated tap
- Good Design Award Winner

Up to 140 Cups p/hr	3-5L	Indoor Install
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Refer to page 30 for specifications



Eco

Rheem Lazer[®] Eco is a cost-effective boiling water powerhouse designed for a wide range of installations such as the workplace or sports club. It's easy to use with a one-touch button to switch on "Eco Mode" which automatically turns the Lazer[®] Eco off after two hours of being idle, reducing power consumption.

Rheem Lazer[®] Eco

- "Eco Mode" can reduce energy use by over 40%
- The indicator light shows red when heating and green when in energy conservation "Eco Mode", so you can see what it's doing at a glance

Up to 155 Cups p/hr	3-7.5L	Indoor Install
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Refer to page 30 for specifications





LAZER[®] COMMERCIAL

Commercial

The Rheem Lazer[®] Commercial is a high capacity boiling water system designed for the demands of a busy workplace, sports club, conference centre and more.

Rheem Lazer[®] Commercial

- The Lazer[®] Commercial range can deliver 50-250 cups initially, then deliver up to 241 cups per hour
- Fast flow tap
- Available in powder coated white or Stainless Steel

Up to 241 Cups p/hr	7.5–40L	Indoor Install
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Refer to page 30 for specifications



ZIP[®] BOILING WATER UNIT

Rheem New Zealand manufactures a range of Zip[®] above-bench products that are filled and switched on manually. The unit is filled via an external tap until the required level is reached as viewed in the sight glass. To boil the water, simply press the manual start switch. The units will automatically switch off once the water has boiled.

Zip[®] units have delivered boiling water tirelessly throughout New Zealand for generations. They are an ideal and economical option for halls, clubs and factories or anywhere boiling water is required infrequently. Today the Zip[®] product is available in 5 capacities from 4.5 to 34 litres.

Refer to page 30 for specifications.





SOLAR PREMIER

Free energy from the sun. Closed loop split solar is Rheem NZ's Solar Premier water heating system which is designed for top performance in our environment, even when it is frosty or water quality is poor.

The highly efficient T200 collector, with a heat exchange cylinder, stores 270 litres of hot water. The closed system uses heat transfer fluid (glycol), similar to antifreeze used in car radiators, this protects the system from freezing or calcium formation due to poor water quality, freezing or stagnation. Sacrificial anodes in the vitreous enamel lined storage tank offers long term protection.

We advise that all solar water heating systems be backed up with an alternative heating system, either electric element or gas continuous flow - natural gas or ULPG. This is essential to ensure hot water availability on poor weather days or when stored water temperature drops below 58°C.

Rheem also offers a range of solar ready storage tanks allowing you to future proof your home and/or allowing for solar conversion when you are ready to make the change.



Rheem Solar Premier

- Cut hot water heating costs by up to 70%
- Drain Back protection
- Option of electric or gas boosting
- Over heat protection built-in
- Suitable for either indoor or outdoor installations
- TPR valve setting: 1000 kPa

1-7 people

270L

Indoor/Outdoor

Refer to page 31 for full specifications

See www.niwa.co.nz for the sunshine hours in your area.





RAYPAK®

POOL & SPA HEATING

Models 127-430; Residential

Raypak® Residential pool and spa heaters are capable of heating all sizes of pools and spas, extending your swimming time and enjoyment.

Models 127-430; Premium

Raypak® Premium pool & spa gas heaters are built to meet the toughest of operating conditions and environments as well as suitable for small to medium commercial installations.



Pool Heater Models Residential 200, 280, 350 & 430 Premium 280 & 430

- Cupro-nickel heat exchanger for greater protection against corrosion
- Energy-saving 'hot surface ignition'
- Remote control connection available as an option
- Suitable for either indoor or outdoor installations (Outdoor hood supplied standard with heater)

Refer to page 32 for specifications

Spa Heater Models Spartan 131, Premium 127 & 167

- Digital thermostat display
- Integration capabilities with other pool and spa control equipment
- Energy-saving 'hot surface ignition'
- Remote control available as an option
- Suitable for outdoor installations only

Refer to page 32 for specifications



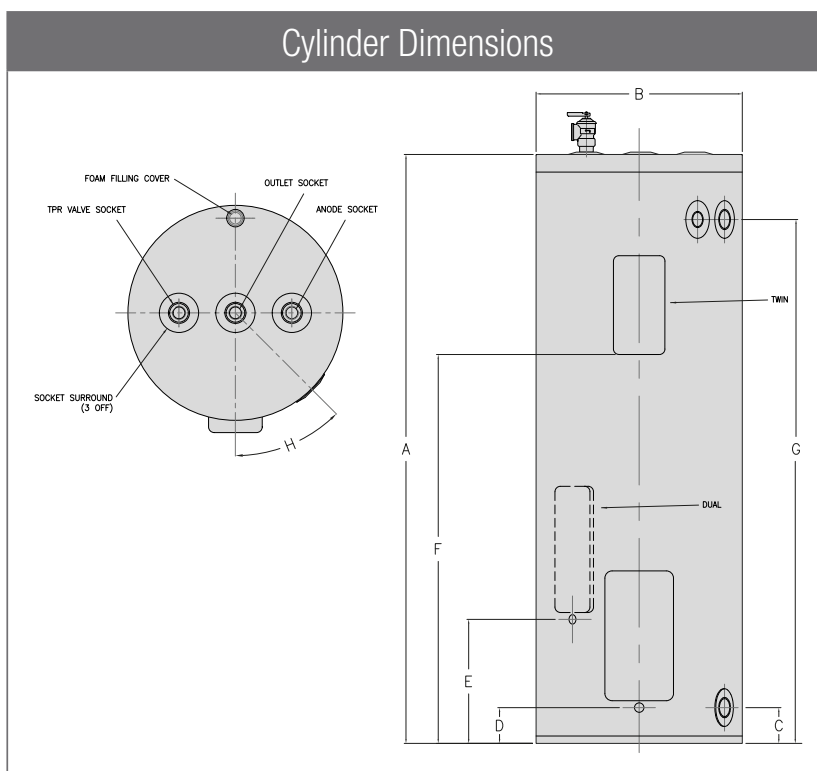
If you require more detailed information on Rheem commercial products - we have a commercial and industrial brochure available. Call 0800 657 336 or visit rheem.co.nz

SPECIFICATIONS

MAINS PRESSURE ELECTRIC — VITREOUS ENAMEL (VE)

Product		Models										
Rheem Single Element		31202519	31204515	31209015	31213513	32213515	31218013		32218015	31225015	31230015	
					31213515		31218015					
Rheem Twin Element							31218025			31225025		
Dual Bottom Element											31230033 31230055	
Rheem Optima								91318015				
Rheem Optima Twin Element												91330025
Initial Storage Capacity	Litres	25	45	90	135	135	180	180	180	250	300	300
Boost Capacity (Twin Element)	Litres	-	-	-	-	-	45*	-	-	50**	50	47
Height	A (mm)	380	525	925	1325	935	1710	1720	1165	1555	1815	1820
Width	B (mm)	405	490	490	490	580	490	490	580	580	580	580
	C (mm)	115	120	120	120	120	120	120	120	120	120	120
	D (mm)	32	65	65	65	65	65	-	65	65	65	-
	E (mm)	-	-	-	-	-	-	-	-	-	162	-
	F (mm)	-	-	-	-	-	1182*	-	-	1126**	-	1298
	G (mm)	248	-	-	-	-	-	1546	-	-	-	1636
	H (°)	45	45	45	45	45	45	36	45	45	45	36
Approx Weight Empty	Kg	15	26	38	49	54	60-62	64	64	80-82	91	97
Relief Valve Setting	kPa	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
Water Connections		RP ¾ / 20	RP ¾ / 20	RP ¾ / 20	RP ¾ / 20	RP ¾ / 20	RP ¾ / 20	RP ¾ / 20	RP ¾ / 20	RP ¾ / 20	RP ¾ / 20	RP ¾ / 20
Element Rating (@230V)	kW	2.0	3.0	3.0	2.0 or 3.0	3.0	2.0 or 3.0	3.0	3.0	3.0	3.0 or 5.0	3.0

*31218025 only **31225025 only



1. Inlet/Outlet and TPR valve are side mounted on left-hand side of 31202519.
2. Inlet/outlet and TPR valve are side mounted on right-hand side of 91318015 and 91330025.

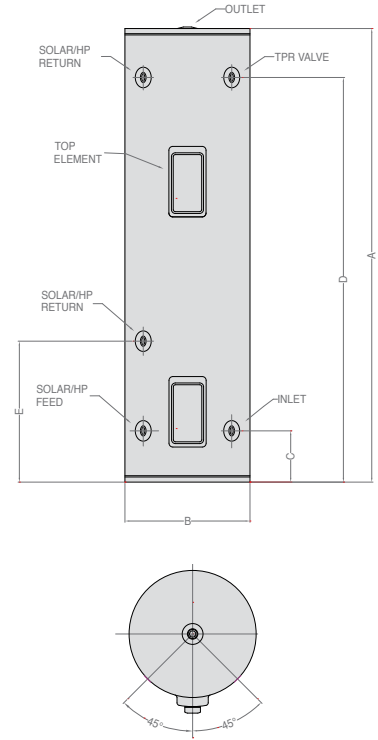
Specifications Electric (@230V)		
kW	Recovery on a 50°C rise	AMPS
2.0 kW	34 litres per hr	8.7 A
2.4 kW	40 litres per hr	10.4 A
3.0 kW	51 litres per hr	13.1 A
3.6 kW	62 litres per hr	15.7 A
4.8 kW	82 litres per hr	21.0 A
5.0 kW	85 litres per hr	21.8 A
6.0 kW	103 litres per hr	26.1 A
2 × 3.0 kW	103 litres per hr	26.2 A
2 × 5.0 kW	171 litres per hr	43.6 A



MAINS PRESSURE ELECTRIC — STAINLESS STEEL

Rheem Stainless Steel Mains Pressure Electric*					
Product Code		3251350*-0	3251800*-0	32525005-0A	32530005-A
Storage Capacity	Litres	135	180	250	300
Weight Empty	Kg	30	37.5	41	48
Inlet/Outlet Connections		RP ¾" / 20			
Solar/HP Feed Connection	-				
Solar/HP Return Connection	-				
TPR Valve Connection	-				
TPR Valve Setting	kPa	1000	1000	850	850
Dimensions:	mm				
A		1350	1770	1595	1890
B		490	490	580	580
C		195	200	205	205
D		1170	1575	1395	1690
E		-	550	605	605
Element Rating	kW	2.0 or 3.0	2.0 or 3.0	3.0	3.0
Top Element Rating (kit-set)	kW	-	2.0	3.0	3.0
Boost Capacity (Twin Element)	Litres	-	60	110	135

*Add to end of product code: 3 for 2kW; or 5 for 3kW



MAINS PRESSURE ELECTRIC — STAINLESS STEEL COIL

Description	Connection	Lower Coil		Mid Coil		Dual Coil	
Models	L = Left R = Right	35625015LL 35625015LR	35630015LL 35630015LR	35625015ML 35625015MR	35630015ML 35630015MR	35625015DL 35625015DR	35630015DL 35630015DR
Capacity		250L	300L	250L	300L	250L	300L
Cylinder Diameter (mm)		560	560	560	560	560	560
Cylinder Height (mm)		1725	2045	1725	2045	1725	2045
A Hot Water Draw-Off	¾" BSP F	1725*	2045*	1725*	2045*	1725*	2045*
B Right/Left Cold Feed (High Pressure) Inlet	¾" BSP F	200*	200*	200*	200*	200*	200*
C Left/Right Cold Feed (High Pressure)	¾" BSP F	200*	200*	200*	200*	-	-
D Safety TPR	¾" BSP F	1500*	1810*	1500*	1810*	1500*	1810*
E From Solar (Inlet)/Heat Pump Return Kit set	¾" BSP F	370*	370*	370*	370*	370*	370*
F To Solar/Heat Pump (Direct Outlet)	¾" BSP F	200*	200*	200*	200*	370*	370*
G Secondary Solar/Wetback Flow (Coil)	¾" BSP F & 1" BSP M	685*	685*	1285*	1285*	1340*	1340*
H Secondary Solar/Wetback Return (Coil)	¾" BSP F & 1" BSP M	245*	245*	485*	485*	540*	540*
J Lower Element	1 1/4" BSP F	✓	✓	✓	✓	✓	✓
K Upper Element***	1 1/4" BSP F	✓	✓	✓	✓	✓	✓
L Sensor Probe Pocket	Ø8.5mm × 120mm Tube	✓	✓	✓	✓	✓	✓
M1 Coil		10m	10m	10m	10m	10m	10m
M2 Coil		-	-	-	-	7.6m	7.6m

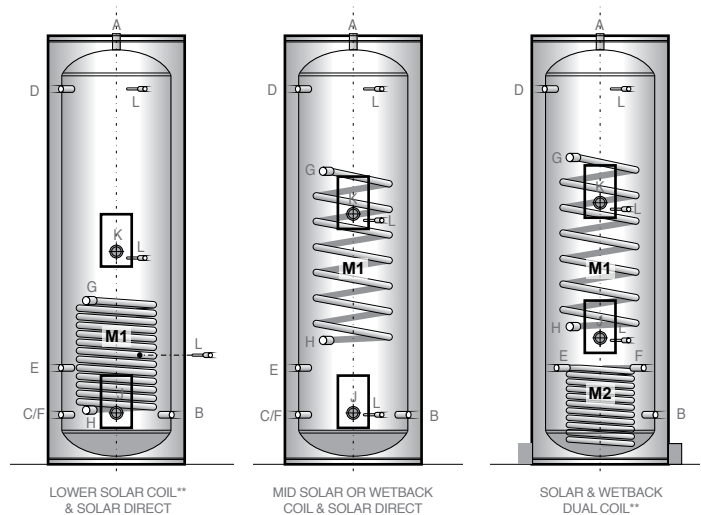
F = Female M = Male *Fitting heights measured from bottom of cylinder (mm).

All measurements are nominal.

**Compressed solar coils require a pumped base system.

***Upper element supplied plugged. Element and thermostat kit sold as optional extra (part 417026).

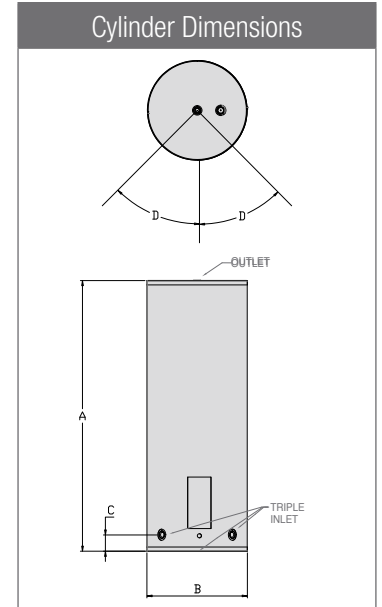
All cylinders supplied with 46kW TPR Valve 850kPa.



LOW PRESSURE ELECTRIC — VITREOUS ENAMEL (VE)

Models		148 090 **T	148 135 **T	158 135 **T	148 180 **T	158 180 **T	158 270 15T
Storage Capacity (L)		90	135	135	180	180	270
Boost Capacity (L)		-	-	-	-	-	-
Height	A (mm)	915	1315	880	1710	1135	1640
Width	B (mm)	490	490	580	490	580	580
	C (mm)	120	120	120	120	120	120
	D (°)	45	45	36	45	36	36
Approx weight Empty (Kg)		29	39	37	51	49	79
Relief Valve Settings (kPa)		120	120	120	120	120	120
Element Rating (@230v) (kW)		2.0 or 3.0	2.0 or 3.0	2.0 or 3.0	2.0 or 3.0	2.0 or 3.0	3.0

**Add to end of product code: 13T for 2kW; or 15T for 3kW



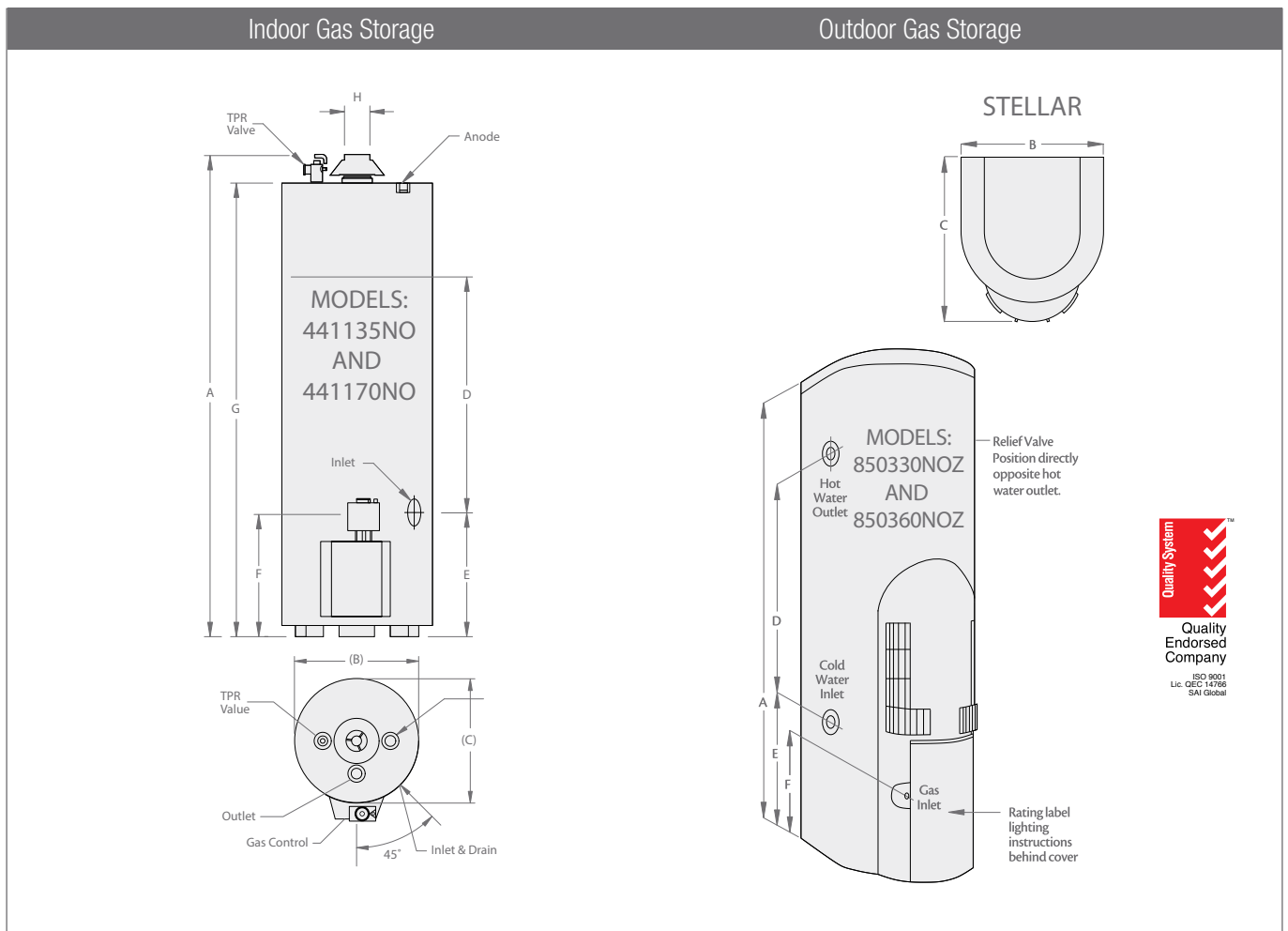
LOW PRESSURE ELECTRIC — COPPER

Models	Cap. (L)	Ø × h (mm)	ELM. (kW)	Inlet	Models	Cap. (L)	Ø × h (mm)	ELM. (kW)	Inlet
Pre-wired Element, Thermostat and Energy Cut-out Fitted					Dairy – Pre-wired – Element & Thermostat Fitted**				
149 040 13	40	460 × 490	2.0	Bottom	109 250 1G	250	760 × 1235	3.0/3.0	via sight glass or permanent connection
14T 090 13	90	510 × 785	2.0	Triple	109 350 1G	350	760 × 1530	3.0/3.0	
14T 110 13	110	510 × 950	2.0	Triple	109 450 1G	450	760 × 1835	3.0/3.0	
12T 135 13	135	610 × 800	2.0	Triple	109 600 1G	600	840 × 1885	3.0/3.0	
14T 135 13	135	560 × 955	2.0	Triple	**Cylinder heights exclude fittings				
16T 135 13	135	510 × 1140	2.0	Triple					
18T 135 13	135	460 × 1465	2.0	Triple	Wetback – Pre-wired – Element and Thermostat Fitted				Wetback Connections
12T 180 13	180	610 × 1020	2.0	Triple	145 135 13	135	560 × 955	2.0	Base
12T 180 15	180	610 × 1020	3.0	Triple	165 135 13	135	510 × 1140	2.0	Base
14T 180 13	180	560 × 1220	2.0	Triple	185 135 13	135	460 × 1465	2.0	Base
14T 180 15	180	560 × 1220	3.0	Triple	125 180 15	180	610 × 1020	3.0	Base
16T 180 13	180	510 × 1510	2.0	Triple	143 180 15	180	560 × 1220	3.0	Right
16T 180 15	180	510 × 1510	3.0	Triple	144 180 15	180	560 × 1220	3.0	Left
149 225 15	225	610 × 1250	3.0	Bottom	145 180 15	180	560 × 1220	3.0	Base
169 225 15	225	560 × 1510	3.0	Bottom	165 180 15	180	510 × 1510	3.0	Base
149 270 15	270	610 × 1470	3.0	Bottom	545 180 13	180	540 × 1355	2.0	Base
149 270 25*	270	610 × 1470	2 × 3.0	Bottom	545 180 15	180	540 × 1355	3.0	Base
169 270 15	270	560 × 1800	3.0	Bottom	145 225 15	225	610 × 1250	3.0	Base
169 270 25*	270	560 × 1800	2 × 3.0	Bottom	165 225 15	225	560 × 1520	3.0	Base
149 350 25*	350	655 × 1595	2 × 3.0	Bottom	145 270 15	270	610 × 1465	3.0	Base
54T 135 13	135	540 × 1030	2.0	Bottom	165 270 15	270	560 × 1800	3.0	Base
54T 180 13	180	540 × 1355	2.0	Triple	Under-bench Units Pre-wired – Element, Thermostat & Energy Cut-Out Fitted				Inlet
54T 180 15	180	540 × 1355	3.0	Triple	199 015 13	15	365 × 370	2.0	Top
Tank Units Pre-wired – Element, Energy Cut-Out & Thermostat Fitted					199 025 13	25	365 × 525	2.0	Top
T49 135 13	135	560 × 1260	2.0	N/A	199 040 13	40	460 × 490	2.0	Top
T49 180 15	180	560 × 1530	3.0	N/A	Heavy Head – Pre-wired – Element, Thermostat & Energy Cut-Out Fitted				
*Twin element option water heater wired for simultaneous element operation.					146 180 15	180	560 × 1220	3.0	Base
					166 180 15	180	510 × 1510	3.0	Base

GAS STORAGE

Product		Outdoor Models		Indoor Models	
Rheem Gas Storage				441135NO	441170NO
Stellar		850330NOZ	850360NOZ		
Storage Capacity	Litres	130	160	130	160
Recovery @ 45°C (Natural Gas)	Litres	200	175	110	126
**First Hour Capacity (Natural Gas)	Litres	330	360	240	286
Hourly Gas Consumption (Natural Gas)	MJ	42	42	29	33
kW Output	kW	10.5	10.5	5.8	6.6
Height	A (mm)	1600	1900	1555	1855
Width	B (mm)	485	485	430	430
Depth	C (mm)	558	558	515	515
	D (mm)	988	1213	N/A - Outlet on Top	N/A - Outlet on Top
	E (mm)	328	409	332	407
	F (mm)	298	298	300	300
	G (mm)	-	-	1475	1775
	H (mm)	-	-	75	75
Approx Weight Empty	Kg	70	80	50	59
Relief Valve Setting	kPa	1000	1000	1000	1000
Max Supply Pressure		1120	1120	1120	1120
Water Connections (LHS)		RP 3/4 /20	RP 3/4 /20	RP 3/4 /20	RP 3/4 /20
Gas Connection		RP 1/2 /15	RP 1/2 /15	RP 1/2 /15	RP 1/2 /15

**First hour capacity is a method of comparing the capabilities of different gas water heaters. Please contact Rheem for actual hot water delivery for specific applications.



CONTINUOUS FLOW GAS HOT WATER

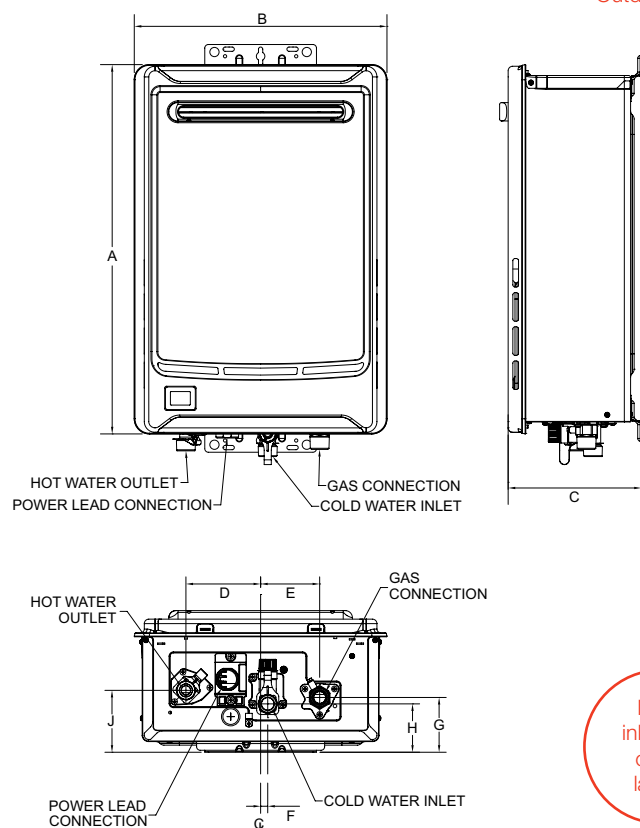
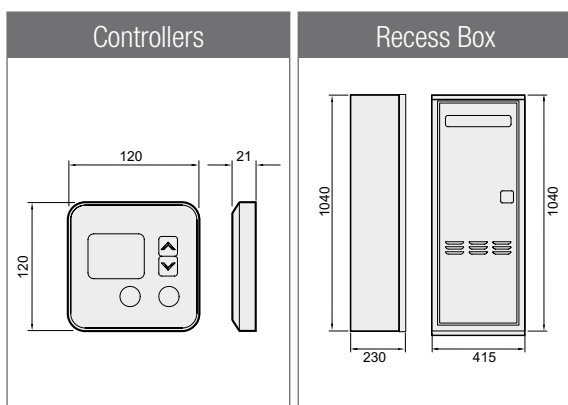
	Rheem 16	Rheem 20	Rheem 24	Rheem 27	Internal 27*
Model Number	874816NFZ/LFZ	874820NFZ/LFZ	874824NFZ/LFZ	874627NFZ/LPZ	864627NFZ/LPZ
L/Min @25°C Rise	16L/Min	20L/Min	24L/Min	27L/Min	27L/Min
Gas Input Max	126 MJ/hr	157 MJ/hr	188 MJ/hr	205 MJ/hr	205 MJ/hr
Gas Type	NG or ULPG	NG or ULPG	NG or ULPG	NG or ULPG	NG or ULPG
Gas Connection	R ¾ / 20	R ¾ / 20	R ¾ / 20	R ¾ / 20	R ¾ / 20
Min Gas Supply Pressure NG/LPG	1.13 kPa/ 2.75 kPa	1.13 kPa/ 2.75 kPa	1.13 kPa/ 2.75 kPa	1.13 kPa/ 2.75 kPa	1.13 kPa/ 2.75 kPa
Water Pressure (kPa) Min-Max	120-1000	120-1000	120-1000	140-1000	140 - 1000
Minimum Flow Rate	2.0L/Min	2.0L/Min	2.0L/Min	2.0 L/Min	2.0 L/Min
Cold Water Connection	R ¾ / 20	R ¾ / 20	R ¾ / 20	R ¾ / 20	R ¾ / 20
Hot Water Connection	R ¾ / 20	R ¾ / 20	R ¾ / 20	R ¾ / 20	R ¾ / 20
Approx. Weight (empty)	16kg	16kg	16kg	23kg	24kg
Freeze Protection	Yes	Yes	Yes	Yes	Yes
Unit Height (mm) A	520	520	520	601	650
Unit Width (mm) B	355	355	355	351	351
Unit Depth (mm) C	187	187	187	226	215
Hot Water Outlet (mm) D	105	105	105	132	132
Gas Inlet (mm) E	83	83	83	127	127
Cold Inlet (mm) F	10	10	10	28	28
Gas Inlet (mm) G	77	77	77	97	119
Cold Inlet (mm) H	68	68	68	64	86
Hot Water Outlet (mm) J	87	87	87	84	107
Gas Energy Rating	6 Stars	6 Stars	6 Stars	6 Stars	6 Stars

Continuous Flow Accessories	Part Number
Horizontal Flue Kit Side Exit	318278
Horizontal Flue Kit Rear Exit	318279
Vertical Flue Kit	318280
Recess Box - For Rheem 27L	320316
Recess Box - For Rheem 16L, 20L & 24L	318994
Pipe Cover - For Rheem 27L	320116
Pipe Cover - For Rheem 16L, 20L & 24L	320117
EZ-LINK® Cable	290141
STANDARD TEMPERATURE CONTROLLERS (CABLES INCLUDED)	
Kitchen	A299850
Bathroom 1	A299851
Bathroom 2	A299852
DELUXE TEMPERATURE CONTROLLERS (CABLES INCLUDED)	
Kitchen	A299861
Bathroom 1	A299862
Bathroom 2	A299863

*Rheem 27 Indoor Flue System

A certified Rheem coaxial flue system must be used with all Rheem 27 indoor models. There are three indoor flue kits available:- Horizontal Side Exit, Horizontal Rear Exit and Vertical. Please contact your local plumber, plumbing merchant or Rheem Customer Service on 0800 657 336 to discuss the best solution for your needs. The Rheem flue system uses a twin pipe design (one pipe inside the other) ; an inner pipe of stainless steel for exhaust, and an outer steel pipe for inlet air. This flue system can exhaust either through a roof or wall. (Subject to Building Regulations).

16L, 20L & 24L
Outdoor Models

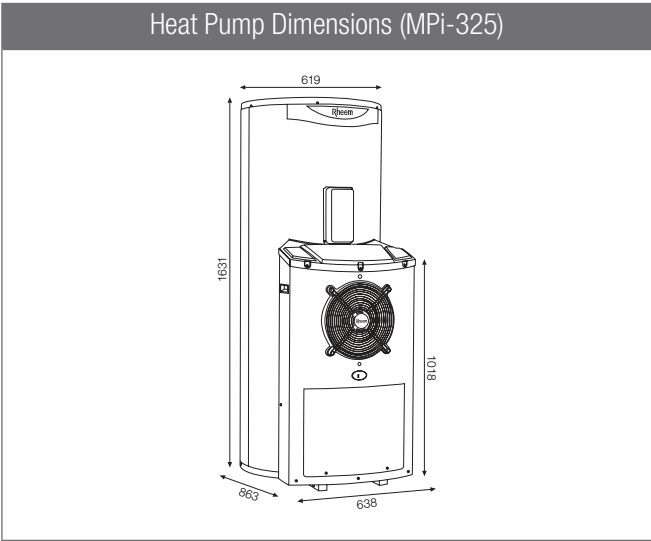
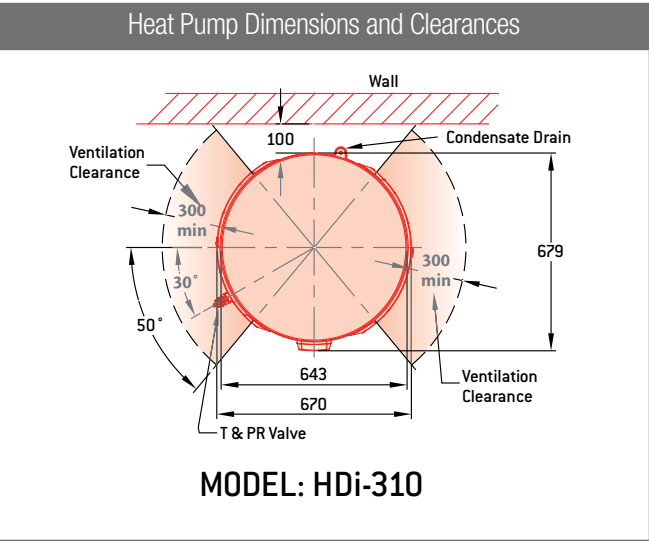


HDi-310 HEAVY DUTY HEAT PUMP

	HDi-310	
Model No.	A55131007	
Initial Storage Capacity	Litres	310
Height	mm	1870
Width	mm	670
Depth	mm	690
Approx Weight Empty	Kg	135
Relief Valve Setting	kPa	1000
Without Expansion Control Valve	kPa	800
Minimum Water Pressure	kPa	200
Water Connections	RP ¾ / 20	
Element Rating	kW	3.6

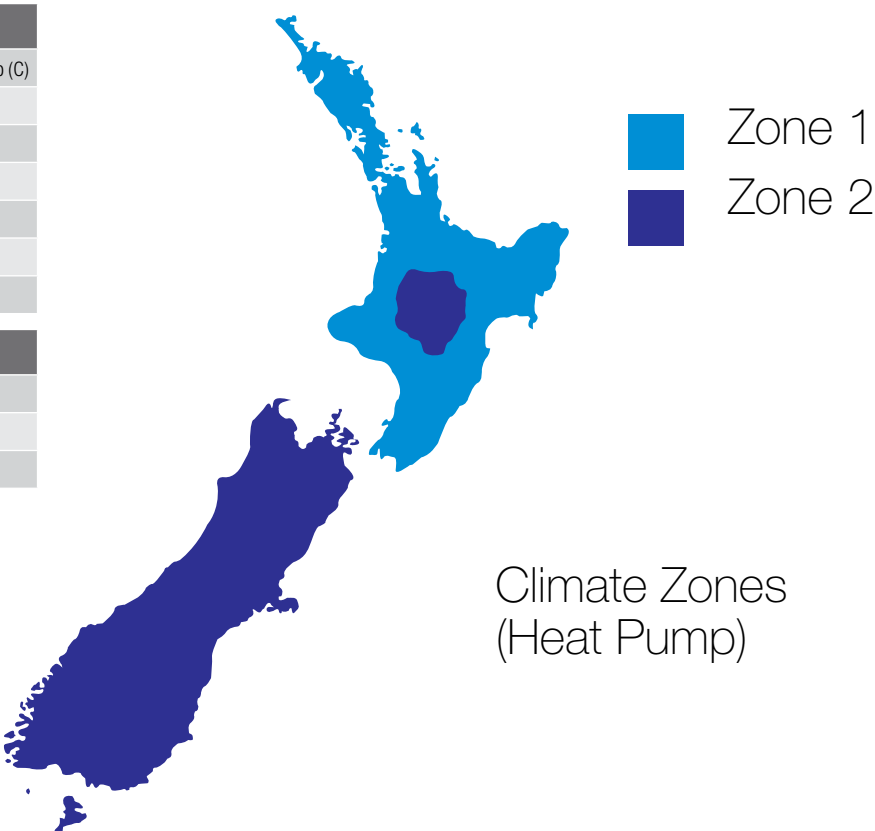
MPi-325 HEAT PUMP

	MPi-325	
Model No.	A55132507	
Initial Storage Capacity	Litres	325
Height	mm	1630
Width	mm	638
Depth	mm	863
Approx Weight Empty	Kg	136
Relief Valve Setting	kPa	1000
Without Expansion Control Valve	kPa	800
Minimum Water Pressure	kPa	200
Water Connections	RP ¾ / 20	
Element Rating	kW	3.6



Performance		
Model	Litres Per Hr	Ambient Air Temp (C)
HDi-310	55	10
	73	20
	92	30
MPi-325	25	10
	34	20
	42	30

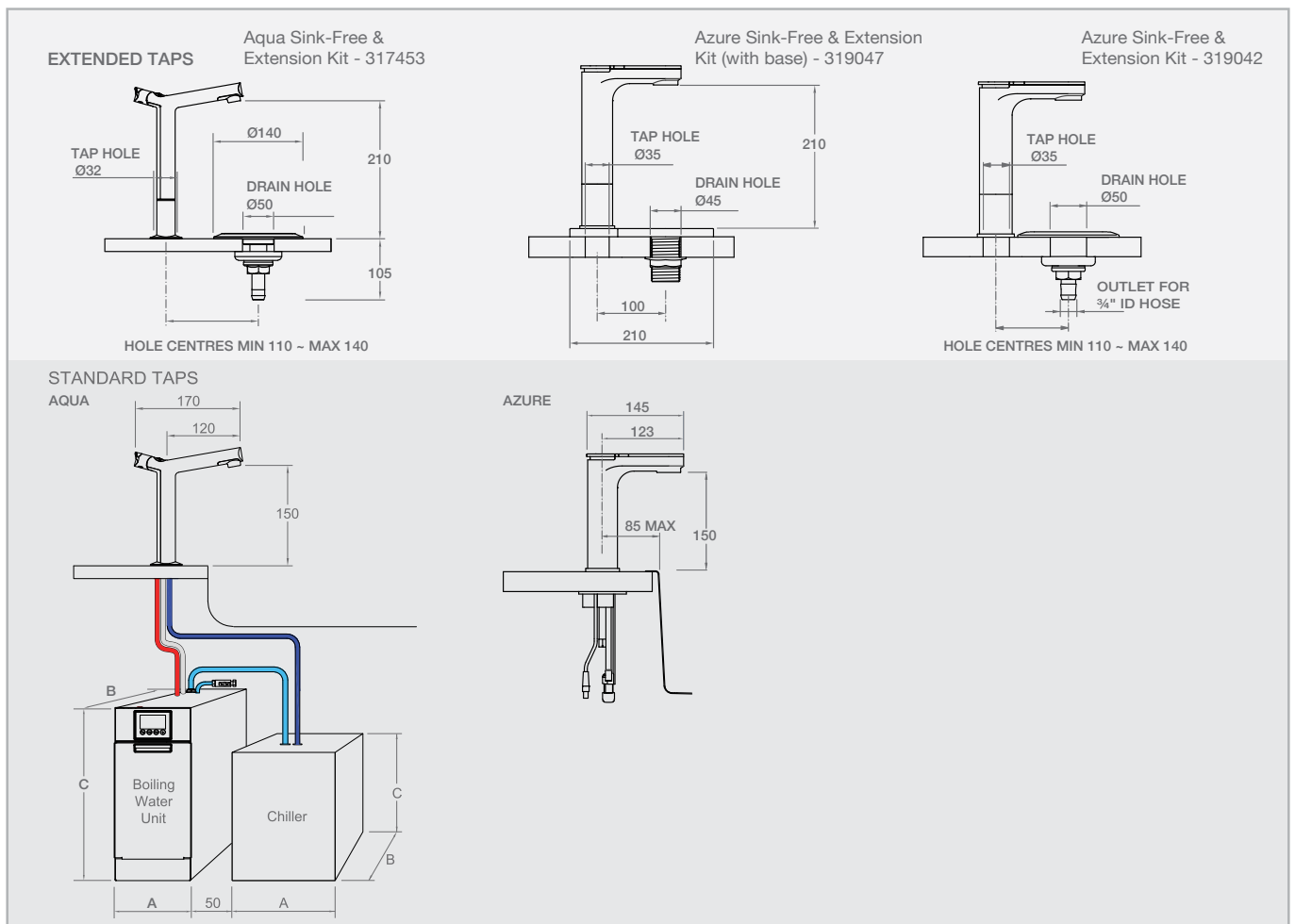
	Zone	People
HDi-310	1	3 - 6
	2	3 - 5
MPi-325	1	1 - 4



RHEEM ON-TAP FILTERED, CHILLED AND BOILING WATER

Rheem On-Tap Series		3 Litre Filtered Boiling	5 Litre Filtered Boiling	Chiller Option [^]
		Boiling 3L	Boiling 5L	Chiller
On-Tap Aqua™		743003F	743005F	318844
On-Tap Azure™		743103F	743105F	318844
Capacity	Litres	3	5	1.8
Delivery – Initial	Litres	3	5	1.8
	Cups ¹	24	31	9
Recovery	L/hr	24	28	4.5
- Cups per hour	Cups ¹	110	140	32
Weight empty	Kg	12	12	12.5
Weight full	Kg	18	18	14.3
Min water pressure	kPa	100		
Max water pressure	kPa	700		
Input	kW	1.5kW	1.8kW	
Electrical connections		10 amp 3 pin plug and flex		
Plumbing connections		½" BSPM		
Dimensions	mm			
A - Width		175	175	205
B - Depth		460**	460**	408
C - Height		405	405	278
Accessories	Part No			
Sink-free kit		Optional	Optional	-

¹Cup size - Chilled water; 200ml. Boiling; 170ml **includes 10mm for timer ^Discreet ventilation kit supplied

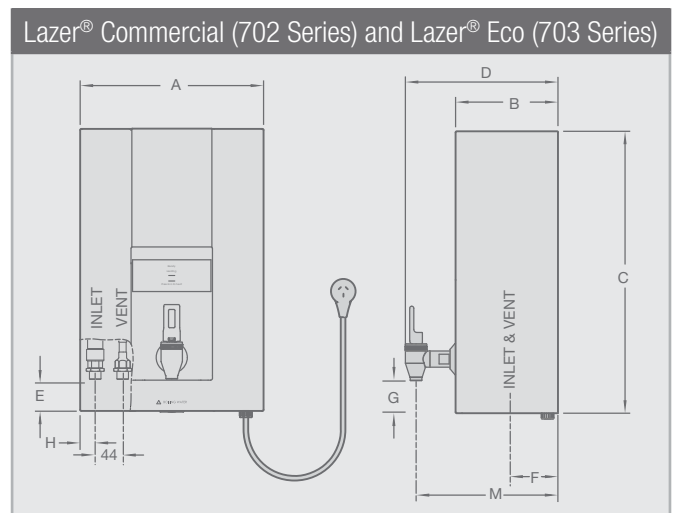
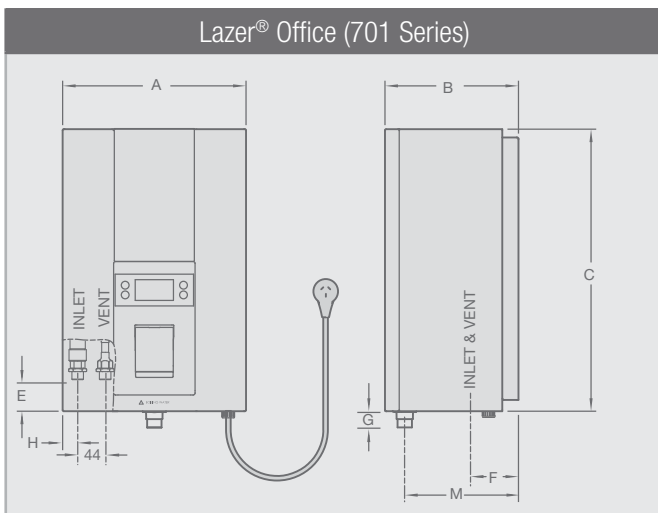


For accessories refer to page 32

RHEEM LAZER® BOILING WATER

Lazer® Boiling Water Unit		Lazer® Office		Lazer® Eco			Lazer® Commercial				
White		70103W-NZ	70105W-NZ	70303W-NZ	70305W-NZ	70307W-NZ	70207W-NZ	70210W-NZ	70215W-NZ	70225W-NZ	70240W-NZ
Stainless Steel		70103S-NZ	70105S-NZ				70207S-NZ	70210S-NZ	70215S-NZ	70225S-NZ	70240S-NZ
Capacity	Litres	3	5	3	5	7.5	7.5	10	15	25	40
Delivery – Initial	Litres	3.5	6	3.5	6	8.5	8.5	11	17	27	42
	Cups*	20	35	20	35	50	50	60	90	150	250
Recovery	L/hr	17.5	21	17.5	21	21	21	21	21	33	41
– Cups per hour	Cups*	103	124	103	124	124	124	124	124	194	241
Weight empty	Kg	124	8	6	8	9	9	10	15	17	19
Weight full	Kg	103	15	10	15	19	19	22	34	47	67
Min water pressure	kPa	124	50	50	50	50	50	50	75	75	100
Max water pressure	kPa	124	1000	1000	1000	1000	1000	1000	1000	1000	1000
Input	kW	1.8	2.4	1.8	2.4	2.4	2.4	2.4	2.4	3.6	4.6
Electrical connections		Supplied with 10 amp 3 pin plug and flex								Hard-wired	
Plumbing connections		½" BSPM									
Dimensions	mm										
A		283	334	283	334	334	334	334	334	334	490
B		206**	239**	158	191	191	191	191	299	299	340
C		435	465	435	465	515	515	615	515	720	615
D		–	–	237	270	270	290	290	400	400	440
E		60	60	60	60	60	60	60	60	60	60
F		70**	70**	45	45	45	45	45	45	45	45
G		25	25	50	50	50	50	50	50	50	50
H		17	17	17	17	17	17	17	17	17	17
M		174**	207**	220	253	253	270	270	380	380	420

*Cup size 170ml **Includes 25mm for supplied backing plate.



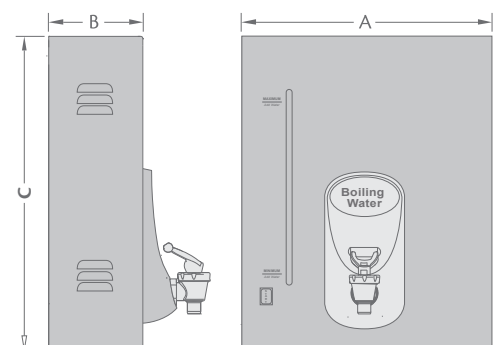
For accessories refer to page 32

ZIP® BOILING WATER

Models	83204514	83207014	83215014	83223014	83235014
Delivery Capacity (L)	4.5	7.0	15	23	34
Dimension A mm	340	340	490	490	490
Dimension B mm	180	180	180	235	325
Dimension C mm	430	515	615	615	615
Weight Empty (kg)	9	10	15	17	20
Weight Full (kg)	16	20	35	45	62
Element Rating (kW)	2.4	2.4	2.4	2.4	2.4

Approximate Heat Up Times From Cold (18°C)

Maximum Level (mins)	16	23	46	67	102
Minimum Level (mins)	4	6	14	24	28



PREMIER SOLAR

Models	
Electric / 2 Collectors	A591270/2C
Electric / 3 Collectors	A591270/3C
Gas Boost / 2 Collectors	A591270/2CGL/2CGN (ULPG/Natural Gas)
Gas Boost / 3 Collectors	A591270/3CGL/3CGN (ULPG/Natural Gas)
Storage Capacity	270 Litres
Roof Space Required	
- 2 Collector	2.4m x 2.0m
- 3 Collector	3.6m x 2.0m
Dimensions - Cylinder	H 1700mm x D 650mm
Weight Empty - Cylinder	146kg
Weight Empty - Collector	48kg
Temperature Pressure Relief Valve Setting	1000kPa
Expansion Control Valve (ECV) Setting	850kPa
Minimum Supply Pressure	150kPa (Gas boosted only)
Water Connections	
- Inlet	¾ /20 BSPF
- Outlet Tempered	¾ /20 BSPF
- Gas	¾ /20 BSPM
- Solar Flow and Return	½ /15 BSPM

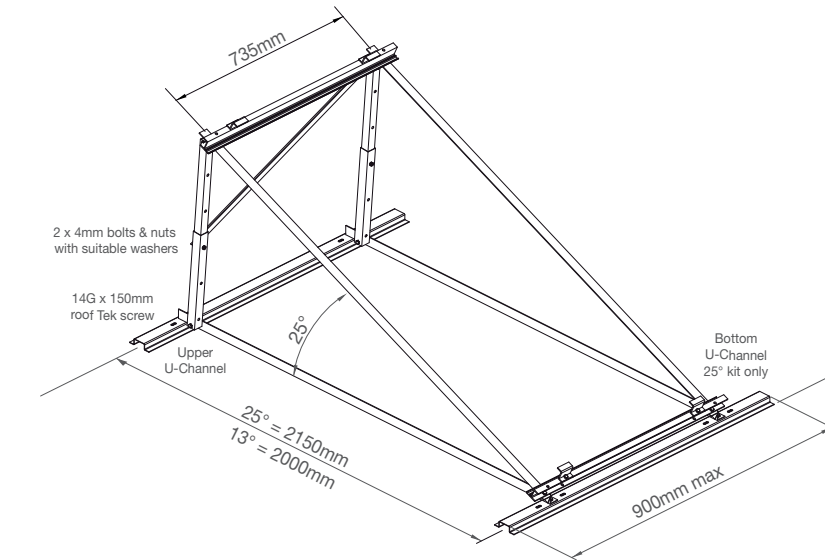
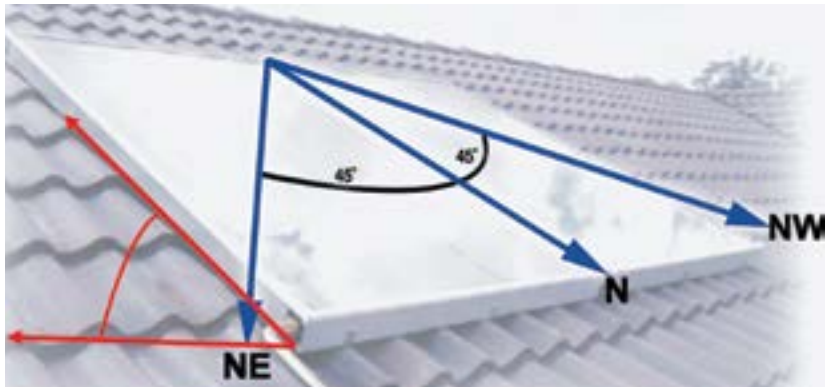
Sizing Guide	Zone	People	
Boosting Type		Gas	Electric
Moderate Climate	1	2 - 6	1 - 3
Cold Climate	2	2 - 5	1 - 3

Recommended Minimum Panel Inclination Angle for Locations in New Zealand					
Auckland	20°	Hamilton	22°	Wellington	25°
Christchurch	30°	Dunedin	35°	Invercargill	37°

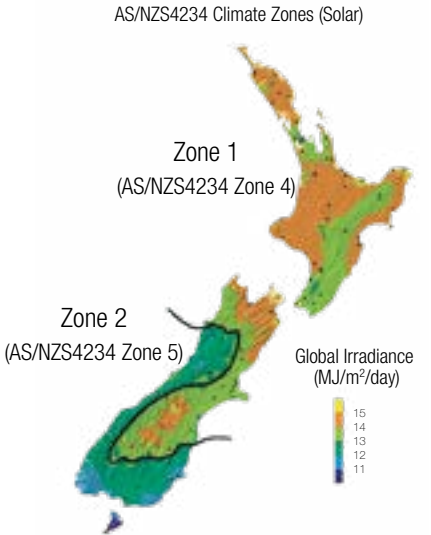
Boost Specifications	
Electric Supply Voltage	Volts 220-250
Available in 3.6kW (15 amp)	
Gas Input - Natural Gas	MJ / hr 205
Available in Natural Gas and ULPG	

Solar Ready MPVE* Storage Tanks- Non-Coiled			
Model	A51127007	A51134007	A51143007
Storage Capacity	270L	325L	410L
Boost Volume (L) 3.6kW Element	160	200	285
Height x Width (mm)	1395 x 640	1640 x 640	1840 x 690
Weight Empty (kg)	70	87	111

*Mains Pressure Vitreous Enamel



N.B. Collector size (1023 x 1941mm) is greater than frame size.



RAYPAK® POOL & SPA WATER HEATERS

Model		Temperature Rise per Hour (Spa)				Temperature Rise over 24 Hours (Pool)*				
		Spa Volume (Litres)				Pool Surface Area (m2)				
		2000	3000	4000	5000	20	40	60	80	100
131 Spartan	Outdoors only	10°	6°	5°	4°	-	-	-	-	-
127 Premium	Indoors & Outdoors	10°	6°	5°	4°	-	-	-	-	-
167 Premium	Indoors & Outdoors	14°	9°	7°	6°	-	-	-	-	-
200 Residential	Indoors & Outdoors	17°	12°	9°	7°	21°	15°	10°	8°	6°
280 Residential or Premium	Indoors & Outdoors	25°	17°	12°	10°	26°	20°	14°	10°	8°
350 Residential	Indoors & Outdoors	32°	21°	16°	12°	32°	25°	18°	13°	10°
430 Residential or Premium	Indoors & Outdoors	38°	26°	19°	15°	34°	27°	20°	15°	12°

*Ideally 14° or more over 24 hours is desirable

Model	Nominal Rating				Approximate Dimensions				Connections		Indoor Installations	
	Natural Gas		ULPG		All Models				Gas	Water		
	Input MJ/h	Output kW	Input MJ/h	Output kW	Height mm	Width mm	Depth mm	Weight kgs	mm	mm	Flue Diameter mm	Height Overall mm
131 Spartan	120	24	117	24	860	440	650	35	20	40	N/A	N/A
127 Premium	110	25	103	23	895	580	280	42	20	40	125	1100
167 Premium	163	36	154	34	905	390	610	67	20	40	150	1470
200 Residential	196	44	185	41	1580	530	650	70	20	50	175	1550
280 Residential or Premium	278	62	261	58	1085	640	650	75	20	50	200	1550
350 Residential	343	76	323	72	1085	730	650	85	20	50	225	1605
430 Residential or Premium	420	94	369	88	1085	870	650	90	20	50	250	1605

RHEEM BOILING WATER ACCESSORIES



317453 - Aqua™ Sink Free and extension kit



319042 - Azure™ Split Sink Free and extension kit



319047 - Azure™ Base Sink Free and extension kit



318844 - 1.8L push-thru chiller (comes with ventilation kit)



Retrofit Mounting Bracket
318961 - 3L Lazer® Eco
318962 - 5L Lazer® Eco



317327 - 5 micron remote filter kit for Rheem Lazer® products



317067 - 5 micron replacement filter for Rheem On-Tap products



Safety Tap
319068 - Lazer® Commercial
319069 - Lazer® Eco

WARRANTY*

YOU'RE COVERED

When the time arrives to install your water heater, Rheem is New Zealand's most popular choice. Families looking for practicality and top-quality performance in Gas, Electricity, Solar or Heat Pump water heating can rely on Rheem to provide a system to suit their lifestyle.

Revolutionary Rheem developments ensure concerns for economy and environment are merged in cost effective, high performance systems for every home.

Domestic Only

Rheem Heat Pump

5 years tank, 3 years tank labour,
1 year parts and labour. 2 years sealed system.

Rheem Solar

5 years tank and collectors, 3 years tank labour,
1 year parts and labour.

Rheem Optima

12 years tank, 5 years tank labour,
3 years parts and labour.

Rheem Mains Pressure Gas

5 years tank, 1 year tank labour,
1 year parts and labour.

Rheem Mains Pressure Electric Stainless Steel & Coil

10 years tank, 3 years tank labour,
1 year parts and labour.

Rheem Mains Pressure Electric (VE)

10 years tank, 5 years tank labour,
1 year parts and labour.

Rheem Low Pressure Copper (inc. Dairy)

5 years tank, 1 year tank labour,
1 year parts and labour.

For greater confidence, Rheem systems are backed by a national network of after sales professionals.

The Rheem Warranty and the Rheem After Sales Network ensures you of expert technical advice and fast service.

Rheem Low Pressure VE (Vitreous Enamel)

10 years tank, 5 years tank labour,
1 year parts and labour.

Rheem Stellar

10 years tank, 5 years tank labour,
1 year parts and labour.

Rheem Continuous Flow

10 years on heat exchanger, 3 years parts and labour.

Rheem Lazer®, Office, Eco & Commercial & On-Tap Boiling Water Unit*

5 years tank, 2 years tank labour,
2 years parts and labour.

*Excludes Chiller

On-Tap Chiller

2 years tank, 2 years tank labour,
2 years parts and labour,
5 years tank (UBWC-125 model only)

Zip® Boiling Water Unit

5 years tank, 1 year tank labour,
1 year parts and labour.

For Raypak® and Rheem Commercial Warranty information call 0800 657 336 or visit www.rheem.co.nz

All specifications contained in this reference guide are subject to change without notice. Please check the specifications are current at the time of ordering or building to incorporate the appliance.

All information is current at the time of publication, (August 2018) but may change without notice.

*The water heater warranties listed on this page are for single family premises in a domestic application. These warranties apply to New Zealand only.

Rheem HAS GONE SOLSTICE™ Green

- BETTER FOR THE ENVIRONMENT
- NZ MEPS COMPLIANT
- ZERO OZONE DEPLETING PROPERTIES
- ZERO GLOBAL WARMING POTENTIAL
- EXCLUSIVE TO RHEEM NZ WATER HEATERS*

Solstice™ LBA is the new standard in foam insulation.

Introducing Solstice™ Green the new thermal insulation liquid blowing agent from Honeywell.

Rheem decided to be early adopters of this exciting new technology so our customers can take advantage of the benefits Solstice offers.

The new Solstice Green LBA heralds a new era for foam insulation.

Solstice is much better for the environment having the lowest Global Warming Potential (GWP) and zero Ozone Depleting Properties (ODP).

In partnership Rheem NZ and Solstice exceed NZ MEPS and most importantly costs you no more than other foams.

*Solstice™ is unique to New Zealand manufactured product only.

Go Green, Install a Rheem

For further information call 0800 657 336 or visit www.rheem.co.nz




INSTALL A RHEEM™

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 Electric

 Gas

 Boiling Water

 Heat Pump

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