



STEADY, HOT & STRONG



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The brand you can trust

Hot water is one of life's true luxuries and at Rheem we pride ourselves on producing reliable quality products backed by the best in customer service.

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

This reference guide will help you understand hot water heating options so you can choose the most suitable hot water solution for your needs.

For more 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.

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.

Water heaters fit into two categories – storage and continuous flow. 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.

Mains Pressure Storage

Mains Pressure systems deliver full flow and allow for a wider range of modern fittings. 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 7 for further information.

Low Pressure Storage

Low Pressure water heaters are a common sight in older homes and while they are typically electric, some gas systems do exist. Rheem has a large range of low pressure copper and vitreous enamel (VE) lined cylinders. The VE cylinders can provide more pressure and copes better with a wider range of problematic water types such as high chlorination. Refer to page 10 for further information.

Heat Pump

Heat pumps are the most advanced and efficient water heating option currently available. Heat is extracted from the surrounding air and converted into energy which is then used to heat the stored water. Refer to page 14 for further information.

Solar

Solar captures free energy from the sun using roof-mounted panels (collectors), this energy is then transferred 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 15 for further information.



Continuous Flow

Working differently from traditional storage water heaters, gas continuous flow water heaters only heat water on demand rather than heating and storing water until needed.

Appliances are compact and an excellent choice where space is at a premium. They are ideal for homes with high peak loads or when hot water is required occasionally such as at a holiday home.

Available in either ULPG (bottled) or Natural Gas, Rheem gas continuous flow models have the option of remote temperature controllers or the new EZISET® app for added convenience and safety. Refer to page 11 for further information.



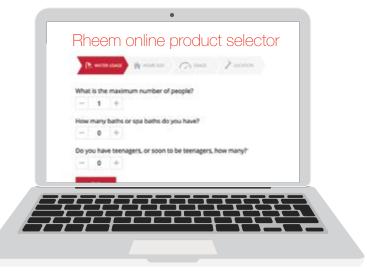
Gas Continuous Flow - hot water when you need it.

CHOOSING THE RIGHT PRODUCT

If you're unsure about the type of water pressure your home has, watch our short videos on the Rheem website to work it out.

To help you choose the best product for your needs, our website also has an easy-to-use product selector. Simply answer a few quick questions about your hot water requirements and get a list of products to match your water heating needs.

www.rheem.co.nz



WHY CHOOSE RHEEM?

Rheem has been a trusted name in New Zealand since the company was formed in 1958.

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 to offer the best products for domestic and commercial water heating needs.

Remember the old wall mounted Zip that would whistle when the water was boiled? Rheem continues to evolve its technology and has created a range of super smart Lazer® boiling water appliances as well as the Rheem 'On-Tap' instant boiling and chilled water dispensing tap – a first for New Zealand manufacturing.

Rheem New Zealand is part of a trusted global family of brands. Its highly skilled and committed Research and Development team right here in New Zealand continues to improve water heating technology for future generations to benefit from.



Lazer® Boiling Water appliances, Rheem Avondale, Auckland





Low Pressure Copper manufacturing line at Avondale, Auckland.



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.*

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

Rheem Gas Continuous Flow water heaters have a preset 55°C electronic temperature setting. For added safety and convenience, ask your Plumber/Gasfitter or qualified installer to fit the Rheem EZISET® control module. Once you have downloaded the EZISET® app, you can control water temperature and bath water levels at the touch of a button.





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

*Source: www.safekids.co.nz



MAINS PRESSURE CYLINDERS

Vitreous Enamel provides

Vitreous enamel (VE), 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 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.

Vitreous Enamel technology is tried and true and has been dated back to the ancient Egyptians. In New Zealand, Rheem continues to develop its VE technology and has introduced higher resistant enamels and steel manufacturing techniques to produce a world class range of water heaters.





Vitreous Enamel (VE)

- Mains Pressure
- Large range of sizes
- Twin & dual element models
- Can deliver up to 40 litres of hot water per minute
- Suitable for a wide range of water conditions
- 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 | 5-300L | Indoor installation |
|---------------|--------|---------------------|
|---------------|--------|---------------------|

Refer to page 21 for specifications

superior durability in all water conditions.







Purpose built for the outdoors

The Rheem Optima is a mains pressure electric storage cylinder that is a family favourite. Suitable for indoor or outdoor installation and available in capacities from 180 to 400 litres.

The 300 and 400 litre models feature 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.

Optima Vitreous Enamel (VE)

- Mains Pressure
- Colour-bond jacket
- Twin element models (300L and 400L)
- All VE water heaters are fitted with a sacrificial magnesium anode to provide additional corrosion protection to the cylinder in adverse water conditions

| 2–7 people | 180-400L | Indoor/Outdoor installation |
|-------------------------------------|----------|-----------------------------|
| Refer to page 21 for specifications | | |

*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.

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 and most models are also heat pump and solar compatible.

Available in various sizes from 135 to 300 litres.

Stainless Steel

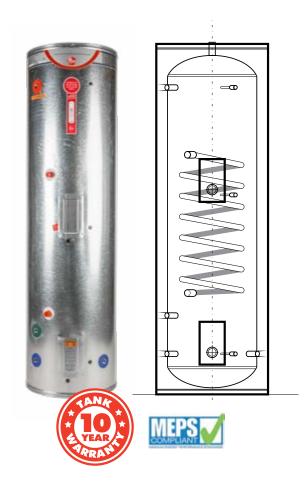
- Heat pump and solar compatible (excludes 135L model)
- Suitable for a wide range of water conditions
- · Colour-bond jacket
- Incoloy element (top element kit-set available as spare part for 180, 250 and 300L models)
- TPR valve setting: 135 & 180L = 1000 kPa, 250 & 300L = 850kPa

1–7 people

135–300L Indoor/Outdoor installation

Refer to page 22 for specifications





The tried and tested coil heat exchanger system provides an opportunity to future proof your hot water supply. It can be connected to either solar, wetback or heat pump or a combination of these 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.

| Stainless Steel Coil | | | |
|---|--|--|--|
| Mains Pressure | | | |
| Designed and engineered in New Zealand | | | |
| Single or dual coil options | | | |
| Versatile and economical | | | |
| Heat pump, solar or wetback compatible | | | |
| 2–7 people 250 & 300L Indoor installation | | | |
| | | | |

Refer to page 22 for specifications

LOW PRESSURE

Low Pressure cylinders were the only option available in New Zealand until the 70's. There are three ways you can identify these water heaters; a copper pipe which 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 vitreous enamel models which can operate at higher pressure (120kPa) and are ideal for pumped systems and areas where water quality is poor.

| Low Pressure Copper | | |
|---|--|--|
| Choice of 3 inlets (90–180L only) | | |
| • Tall, medium, short size options | | |
| Wetback models available from 135L | | |
| 1–6 people 15–350L Indoor installation | | |
| Refer to pages 23–24 for specifications | | |









Low Pressure Vitreous Enamel (VE)

- Proven & tested Vitreous Enamel Technology
- Built to suit a wide range of water conditions
- Designed to operate as Low Pressure Heavy Head 120 kPa
- Triple inlet as standard

| 1–7 people | 90-270L | Indoor installation | |
|-------------------------------------|---------|---------------------|--|
| Refer to page 23 for specifications | | | |

GAS CONTINUOUS 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 is pre-set on the appliance or is adjustable with EZiSET® 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.



Go with the Flow



Outdoor - Rheem 16 1–1.5 Bathrooms 1–3 people

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



Outdoor - Rheem 20 1.5–2 Bathrooms 2–4 people

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



Outdoor - Rheem 26 2–3 Bathrooms 4–6 people

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



Outdoor - Rheem 27 2.5–3 Bathrooms 4–6 people

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

Gas Continuous Flow

- Flamesafe overheat protection system
- 6 star energy rating
- Digital display for easy fault diagnosis and service
- Frost protection
- Can link two units for increased supply with EZ Link®
- Indoor and outdoor models
- Control your water temperature with EZiSET® or remote controllers

16L–27L per minute

Natural Gas or ULPG

Refer to page 25 for specifications

How Continuous Flow works

The water heater operates automatically, heating the water as it passes through the appliance. When a hot tap is opened, the gas burners ignite to provide immediate heating of the water. The heat produced by the burner is transferred to the water through the heat exchanger. The gas burners extinguish when the hot tap is closed.



Set your ideal water temperature and bath level with the new Rheem EZISET[®]. Ask your plumber/gasfitter to install the EZISET[®] control module, download the EZISET[®] App and you're in control via your home wifi – it's that easy.



Indoor - Rheem 27 2.5–3 Bathrooms, 4–6 people

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



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.



Recess Box Comes with door and mounting brackets for recessing into exterior walls.



Pipe Cover Designed to cover pipework and valves.



EZ Link® Kit

Links two units together and provides staged heating to reduce wear and energy use. Kit contains 1.8m cable and fittings.

GAS STORAGE

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 at up to 40 litres per minute, ideal for the modern home with high delivery tapware, massage showers and multiple bathrooms. If your home uses reticulated natural gas for heating and cooking, then it makes sense to heat your water with gas.

Mains Pressure gas storage water heaters deliver hot water instantly by keeping a generous quantity stored hot and ready for your use.

Indoor Gas Storage

- Mains Pressure
- No electricity required
- Advanced SuperFlue Technology
- Natural Gas only

| 2–6 people | 130 & 160L | Indoor installation |
|------------|------------|---------------------|
| | | |

Refer to page 24 for specifications







Outdoor installation

Stellar Outdoor Gas Storage

- No electricity required
- Suitable for all water pressures
- Most efficient domestic gas storage water heater
- Advanced SuperFlue Technology
- Natural Gas only

| 2–6 people | 130 & 160L |
|------------|------------|
| | |

Refer to page 24 for specifications

HEAT PUMP

With up to 300% efficiency, the Rheem heat pump one of the most efficient water heaters 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 (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 are available now.

HDi-310



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 |

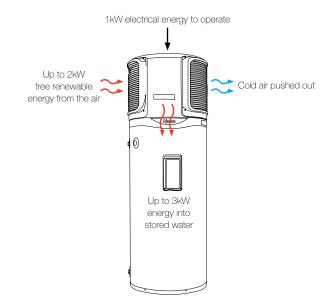
"Based on annual average heat pump water heater efficiency of 300%. Estimated annual savings have been rounded to the nearest dollar. Based on 22 cents per KW/h and 24 hour continuous tariff. Prices may vary from region to region. For the most up to data pricing, check with your power company.

HDi-310 Heavy Duty Heat Pump

- Mains Pressure
- Top Down Heating delivers heated water to the top of the tank for faster hot water delivery
- Fits on a compact footprint
- Energy efficient
- Back-Up element provides hot water regardless of the weather
- Frost protected

| 3–6 people | 310L | Outdoor installation |
|----------------------|------|----------------------|
| Refer to page 29 for | | |

| MPi-325 Heat Pump | | |
|---|--|--|
| Mains Pressure Whisper Technology for quieter operation Reduces greenhouse gas emissions The size of the cylinder allows the heat pump to run at a constant optimised rate topping up as water is drawn off Back-Up element provides hot water regardless of the weather Frost protected | | |
| 2–5 people 325L Outdoor installation | | |
| Refer to page 29 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. Rheem Solar Premier has a built-in electrical boost as standard but there is the option to have a gas boost using a gas continuous flow unit. 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
- Electric boost as standard, gas boost is optional
- Over heat protection built-in
- Suitable for either indoor or outdoor installations
- TPR valve setting: 1000 kPa

Refer to page 28 for specifications

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





POOL & SPA HEATING

Raypak® 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.

Raypak[®] 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 29 for specifications

Spa Heater Models Spartan 131, Premium 127

- 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 29 for specifications





BOILING WATER

On-Tap

Delivering boiling water instantly and safely

Rheem On-Tap is on call when you need it and ideal for many homes and offices - so no more waiting for kettles to boil and wasting bench space.

Flexibility and Style

Rheem On-Tap features separate boiler and chiller units allowing greater flexibility when installed in under-bench spaces which would not normally be possible with some other systems. A sink-free kit allows you to install your On-Tap without the need for a sink.

Energy Efficient

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

Implementing the safety lock for two-finger operation provides extra safety for children and those most at risk. The no splash, drip free tap ensures safety at every step of operation.

Filtered

The superior 5 micron filter reduces chlorine taste and odour as well as lime-scale build-up. A filter light indicates when the filter is due to be changed and the simple filter system makes filter changes a breeze.







Optional Chiller

A separate chiller can be added to provide filtered chilled water from the same tap.





Compact 1.8L Chiller

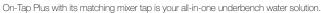
On-Tap Plus

All your water supplied from under the bench

The combination of On-Tap with its matching mixer provides a superior all-in-one underbench solution for your new or existing work or kitchen space.

With the convenience of drawing all your boiling, chilled and mixed water from the compact underbench appliances, this range is easy to install and avoids the costs associated with connecting to your existing hot water system.







On-Tap

- Available in two stylish tap designs
- Sink-free options available
- 24/7 timer, sleep mode and adjustable delivery temperature for saving energy
- Hands-free filling
- Safety lock feature
- Superior 5 micron filter

Up to 20L boiling water p/hr

Sink or sink-free installation

Refer to page 26 for specifications

On-Tap Plus (tap plus mixer)

- Works independently from your existing hot water system cold water supply only required
- Available in two designs with matching mixer tap
- Hands-free filling
- Safety lock feature
- Energy saving sleep mode and adjustable delivery temperature

Up to 20L boiling water p/hr

Sink installation

Refer to page 26 for specifications

LAZER® BOILING WATER

Energy efficient

The Lazer® Office and Commercial appliances feature a seven-day programmable timer and a selectable sleep mode which will turn the unit off if it has not been used for a set period of time. The Lazer® Eco features an 'Eco Mode' which turns the unit off 2 hours after use to reduce unnecessary power consumption.

Safety first

Lazer[®] Eco and Commercial models feature the option of the Rheem Safety Tap. Retro-fitted to any Lazer[®] Eco or Commercial unit, the safety tap prevents accidental dispensing with its 3-step action. The Lazer[®] Office unit has an integrated tap with push button activation. All Lazer[®] units have been designed with automatic safety devices to safeguard the unit from boiling dry.

Installation

The mounting bracket is easily mounted on the wall above your sink or benchtop. This allows for quick installation and easy removal when service or maintenance is required. Mounting brackets come standard with the Lazer® Office range and is an optional extra for the Lazer® Eco 3L and 5L units.

Filter

All Rheem Lazer® models can be connected with a remote filter kit for clean, crisp water delivery. Both the Lazer® Office and Lazer® Commercial appliances will alert via the display when the filter needs replacing.



Lazer[®] Eco ENERGY SAVING

Rheem Lazer® Eco

- Available in 3, 5 and 7.5L capacities
- Eco Mode button control
- Indicator light changes colour, so you know at a glance when it's heating or in Eco Mode
- Optional safety tap available
- Easy to clean white powder coat finish

| | Max 185 cups* per hour | 3L-7.5L | Wall mounted |
|-------------------------------------|------------------------|---------|--------------|
| Refer to page 27 for specifications | | | |

*Cup size 170ml

Rheem Lazer® Office

- Available in 3 and 5 litre capacities
- Delivers up to a maximum of 170 cups* of boiling water per/hr
- Available in powder coat white or brushed stainless steel
- Integrated tap
- Easy clean
- Mounting bracket supplied

Max 170 cups* per hour 3L and 5L

Refer to page 27 for specifications



Lazer[®] Office STYLISH & EFFICIENT

*Cup size 170ml



Lazer[®] Commercial HIGH CAPACITY

| Rheem Lazer® Commercial | | | | | |
|--|------------------|-----------------|--|--|--|
| Delivers a maximum of 512 cups* per hour (depending on model) Fast flow tap | | | | | |
| Available in powder coat v | white or brushed | stainless steel | | | |
| • Easy clean | | | | | |
| • Large range of capacities | available | | | | |
| Safety Tap (optional) | | | | | |
| Max 512 cups* per hour | 7.5L-40L | Wall mounted | | | |
| Refer to page 27 for specifications | | | | | |

*Cup size 170ml

Wall mounted

Wall mounted

Zip[®] - a Kiwi classic

Rheem Zip® • Sight glass to view water level • Manual fill and boil operation • Optional safety tap available • An economical option when hot water is required infrequently 4.5L-34L

Refer to page 27 for specifications

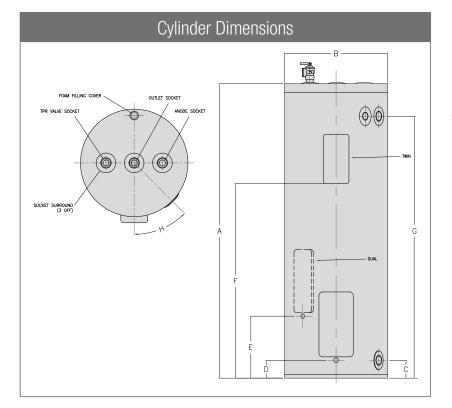


SPECIFICATIONS

MAINS PRESSURE - VITREOUS ENAMEL (VE)

| Product | | | | | | | Мо | dels | | | | | |
|--|------------|------------|----------|------------|----------------------|------------|----------------------|------------|------------|------------|----------------------|------------|------------|
| Single Element Indoor | | 31202519V | 31204515 | 31209015 | 31213513 31213515 | 32213515 | 31218013 31218015 | | 32218015 | 31225015 | 31230015 | | |
| Twin Element (non-simultaneou | us) Indoor | | | | | | 31218025 | | | 31225025 | | | |
| Dual Element (simultaneous) In | idoor | | | | | | | | | | 31230033 31230055 | | |
| Optima Outdoor/Indoor | | | | | | | | 91318015 | | | | | |
| Optima Twin Element (non-sim Outdoor/Indoor | ultaneous) | | | | | | | | | | | 91330025 | 492400G8 |
| Approx. Storage Capacity | Litres | 25 | 45 | 90 | 135 | 135 | 180 | 180 | 180 | 250 | 300 | 300 | 400 |
| Boost Capacity (Twin Element) | Litres | - | - | - | - | - | 45* | - | - | 50** | 50 | 47 | 90 |
| Height | A (mm) | 398 | 525 | 925 | 1325 | 935 | 1710 | 1720 | 1165 | 1555 | 1815 | 1820 | 1840 |
| Width | B (mm) | 400 | 490 | 490 | 490 | 580 | 490 | 490 | 580 | 580 | 580 | 580 | 690 |
| | C (mm) | 116 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 |
| | D (mm) | 32 | 65 | 65 | 65 | 65 | 65 | - | 65 | 65 | 65 | - | 105 |
| | E (mm) | - | - | - | - | - | - | - | - | - | 162 | - | - |
| | F (mm) | - | - | - | - | - | 1182* | - | - | 1126** | - | 1298 | 1323 |
| | G (mm) | 246 | - | - | - | - | - | 1546 | - | - | - | 1636 | 1479 |
| | H(°) | 45 | 45 | 45 | 45 | 45 | 45 | 36 | 45 | 45 | 45 | 36 | 97 |
| Approx Weight Empty | Kg | 15 | 26 | 38 | 49 | 54 | 60-62 | 64 | 64 | 80-82 | 91 | 97 | 113 |
| Relief Valve Setting | kPa | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 |
| Water Connections | | RP 3/4 /20 | RP ¾ /20 | RP 3/4 /20 | RP 3/4 /20 | RP 3/4 /20 | RP 3/4 /20 | RP 3/4 /20 | RP 3/4 /20 | RP 3/4 /20 | RP 3/4 /20 | RP 3/4 /20 | RP 3/4 /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 | 4.8^ |

*31218025 only **31225025 only ^ @ 240V



1. Inlet/Outlet and TPR valve are side mounted on left-hand side of 31202519V.

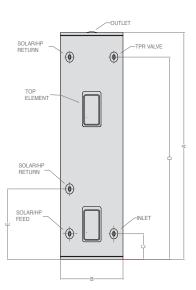
 Inlet/outlet and TPR valve are side mounted on right-hand side of 91318015 and 91330025.

| 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 | | | | | |
| $2 \times 3.0 \text{ kW}$ | 103 litres per hr | 26.2 A | | | | | |
| $2 \times 5.0 \text{ kW}$ | 171 litres per hr | 43.6 A | | | | | |



MAINS PRESSURE - STAINLESS STEEL

| Rheem Stainless Ste | eel M | ains Pressur | e Electric* | | | | | |
|-------------------------------|--------|--------------|-------------|-------------|-------------|--|--|--|
| Product Code | | 3251350*-0 | 3251800*-0 | 32525005-0A | 32530005-0A | | | |
| Approx. 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 | | - | | RP ¾" / 20 | | | | |
| Solar/HP Return Connection | | - | | RP ¾" / 20 | | | | |
| TPR Valve Connection | | | | RP ½" / 15 | | | | |
| TPR Valve Setting | kPa | 1000 | 1000 | 850 | 850 | | | |
| Dimensions: | mm | | | | | | | |
| A | | 1350 | 1770 | 1595 | 1890 | | | |
| В | | 490 | 490 | 580 | 580 | | | |
| С | | 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 – STAINLESS STEEL COIL

| Description | Connection | Lowe | er Coil | Mid | Coil | Dual Coil | |
|---|-----------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------|--------------|
| Models | L = Left R = Right | 35625015LL 35625015LR | 35630015LL 35630015LR | 35625015ML 35625015MR | 35630015ML 35630015MR | 35625015DL | 35630015DL |
| Approx. Storage 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 | 34" BSP F | 1725* | 2045* | 1725* | 2045* | 1725* | 2045* |
| B Right/Left Cold Feed (High Pressure) Inlet | 34" BSP F | 200* | 200* | 200* | 200* | 200* | 200* |
| C Left/Right Cold Feed (High Pressure) | 34" BSP F | 200* | 200* | 200* | 200* | - | - |
| D Safety TPR | 34" BSP F | 1500* | 1810* | 1500* | 1810* | 1500* | 1810* |
| E From Solar (Inlet)/Heat Pump Return Kit set | 34" BSP F | 370* | 370* | 370* | 370* | 370* | 370* |
| F To Solar/Heat Pump (Direct Outlet) | 34" BSP F | 200* | 200* | 200* | 200* | 370* | 370* |
| G Secondary Solar/Wetback Flow (Coil) | 34" BSP F & 1" BSP M | 685* | 685* | 1285* | 1285* | 1340* | 1340* |
| H Secondary Solar/Wetback Return (Coil) | 34" BSP F & 1" BSP M | 245* | 245* | 485* | 485* | 540* | 540* |
| J Lower Element (3kW) | 1 1/4" BSP F | \checkmark | \checkmark | \checkmark | \checkmark | \checkmark | \checkmark |
| K Upper Element*** (3kW) | 1 1/4" BSP F | \checkmark | \checkmark | \checkmark | \checkmark | \checkmark | \checkmark |
| L Sensor Probe Pocket | Ø8.5mm × 120mm Tube | \checkmark | \checkmark | \checkmark | \checkmark | \checkmark | \checkmark |
| M1 Coil^ | | 10m | 10m | 10m | 10m | 10m | 10m |
| M2 Coil^ | | - | - | - | - | 7.6m | 7.6m |

 $\mathsf{F}=\mathsf{Female}\ \ \mathsf{M}=\mathsf{Male}\ \ \ ^*\mathsf{Fitting}\ \mathsf{heights}\ \mathsf{measured}\ \mathsf{from}\ \mathsf{bottom}\ \mathsf{of}\ \mathsf{cylinder}\ (\mathsf{mm}).$

All measurements are nominal.

**Compressed solar coils require a pumped base system.

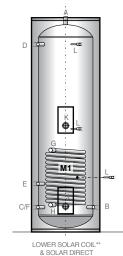
***Upper element supplied plugged. Element and thermostat kit sold as optional extra (part 417026).

All cylinders supplied with 46kW TPR Valve 850kPa.

^ Incoming heat source of 80°C

= nominal 25kW for M1 Coil

= nominal 20kW for M2 Coil



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<M1

MID SOLAR OR WETBACK COIL & SOLAR DIRECT

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SOLAR & WETBACK DUAL COIL**

M2

₽.

C

<<u>M1</u>

C

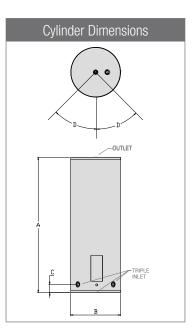
D

В

LOW PRESSURE - VITREOUS ENAMEL (VE)

| Models | 3 | 148 090 **T | 148 135 **T | 158 135 **T | 148 180 **T | 158 180 **T | 158 270 15T |
|-------------|--------------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Approx. St | orage Capacity (L) | 90 | 135 | 135 | 180 | 180 | 270 |
| 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 we | eight Empty (Kg) | 29 | 39 | 37 | 51 | 49 | 79 |
| Relief Valv | e Settings (kPa) | 120 | 120 | 120 | 120 | 120 | 120 |
| Element R | ating (@230v) (kW) | 2.0 or 3.0 | 3.0 |

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



LOW PRESSURE - COPPER

| Model | Cap. (L) | $w \times h$ (mm) | ELM. (kW) | Inlet |
|----------------|-------------|---------------------------|-----------|--------------------------------|
| LP DOMESTIC II | NDOOR ELECT | RIC STORAGE (COF | PPER) | |
| 149 040 13 | 40 | 460×490 | 2 | Bottom |
| 14T 090 13 | 90 | 510 × 785 | 2 | Triple |
| 14T 110 13 | 110 | 510 × 950 | 2 | Triple |
| 12T 135 13 | 135 | 610 × 800 | 2 | Triple |
| 14T 135 13 | 135 | 560 × 955 | 2 | Triple |
| 16T 135 13 | 135 | 510 × 1140 | 2 | Triple |
| 18T 135 13 | 135 | 460×1465 | 2 | Triple |
| 54T 135 13 | 135 | 540 × 1030 | 2 | Triple |
| 12T 180 13 | 180 | 610 × 1020 | 2 | Triple |
| 12T 180 15 | 180 | 610 × 1020 | 3 | Triple |
| 14T 180 13 | 180 | 560 × 1220 | 2 | Triple |
| 14T 180 15 | 180 | 560 × 1220 | 3 | Triple |
| 54T 180 13 | 180 | 540 × 1355 | 2 | Triple |
| 54T 180 15 | 180 | 540×1355 | 3 | Triple |
| 16T 180 13 | 180 | 510 × 1510 | 2 | Triple |
| 16T 180 15 | 180 | 510 × 1510 | 3 | Triple |
| 149 225 15 | 225 | 610 × 1250 | 3 | Bottom |
| 169 225 15 | 225 | 560 × 1510 | 3 | Bottom |
| 149 270 15 | 270 | 610 × 1470 | 3 | Bottom |
| 149 270 25 | 270 | 610 × 1470 | 2 x 3 | Twin element (simultaneous) |
| 169 270 15 | 270 | 560 × 1800 | 3 | Bottom |
| 169 270 25 | 270 | 560 × 1800 | 2 x 3 | Twin element (simultaneous) |
| 149 350 25 | 350 | 655 × 1595 | 2 x 3 | Twin element (simultaneous) |
| LP DOMESTIC II | NDOOR ELECT | RIC STORAGE (COF | PPER) | |
| 199 015 13 | 15 | $365 \times 370 \text{H}$ | 2 | Top Inlet & Outlet |
| 199 025 13 | 25 | 365 × 525H | 2 | Top Inlet & Outlet |

Top Inlet & Outlet

2

| Model | Cap. (L) | $w \times h$ (mm) | ELM. (kW) | Inlet |
|---------------|----------|-------------------|-----------|-------|
| LP HEAVY HEAD |) | | | |
| 146 180 15 | 180 | 560 × 1220H | 3 | |
| 166 180 15 | 180 | 510 × 1510H | 3 | |
| LP TANK UNITS | | | | |
| T49 135 13 | 135 | 560 × 1260H | 2 | |
| T49 180 15 | 180 | 560 × 1530H | 3 | |
| LP DAIRY | | | | |
| 109 250 1G | 250 | 760 × 1235H | 3/3 | |
| 109 350 1G | 350 | 760 × 1530H | 3/3 | |
| 109 450 1G | 450 | 760 × 1835H | 3/3 | |
| 109 600 1G | 600 | 840 × 1885H | 3/3 | |

199 040 13

40

 $460 \times 490 H$

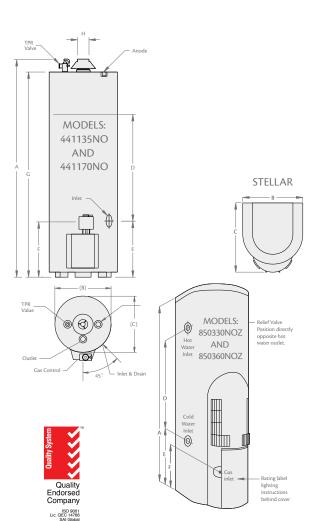
LOW PRESSURE - COPPER WETBACK

| Model | Approx. Storage Capacity | Dimensions w x h (mm) | Element Rating (kW) | Connection |
|------------|--------------------------|-----------------------|---------------------|------------|
| 145 135 13 | 135L | 560 × 955H | 2 | BCRL |
| 165 135 13 | 135L | 510 × 1140H | 2 | BCRL |
| 185 135 13 | 135L | 460 × 1465H | 2 | BCRL |
| 125 180 15 | 180L | 610 × 1020H | 3 | BCRL |
| 143 180 15 | 180L | 560 × 1220H | 3 | RHSC |
| 144 180 15 | 180L | 560 × 1220H | 3 | LHSC |
| 145 180 15 | 180L | 560 × 1220H | 3 | BCRL |
| 545 180 13 | 180L | 540 × 1355H | 2 | BCRL |
| 545 180 15 | 180L | 540 × 1355H | 3 | BCRL |
| 165 180 15 | 180L | 510 × 1510H | 3 | BCRL |
| 145 225 15 | 225L | 610 × 1250H | 3 | BCRL |
| 165 225 15 | 225L | 560 × 1520H | 3 | BCRL |
| 145 270 15 | 270L | 610 × 1465H | 3 | BCRL |
| 165 270 15 | 270L | 560 × 1800H | 3 | BCRL |

GAS STORAGE

| Product | | Outdoor | Models | Indoor | Models |
|--------------------------------------|--------|------------|------------|------------------------|------------------------|
| Rheem Gas Storage | | | | 441135N0 | 441170N0 |
| Stellar Gas Storage | | 850330NOZ | 850360N0Z | | |
| Approx. 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 | 69 |
| 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 |

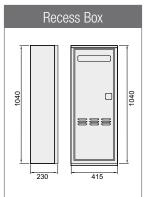
**First hour capacity is a method of comparing the capabilities of different gas water heaters. Please contact Rheem for actual hot water delivery for specific applications.



GAS CONTINUOUS FLOW

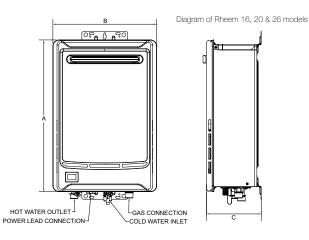
| | Rheem 16 | Rheem 20 | Rheem 26 | Rheem 27 | Indoor 27* |
|---------------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| Model Number | 874816NFZ/LFZ | 874820NFZ/LFZ | 874826NFZ/LFZ | 874627NFZ/LPZ | 864627NFZ/LPZ |
| Nominal L/Min @25°C Rise | 16L/Min | 20L/Min | 26L/Min | 27L/Min | 27L/Min |
| Gas Input Max | 126 MJ/hr | 157 MJ/hr | 199 MJ/hr | 205 MJ/hr | 205 MJ/hr |
| Gas Type | NG or ULPG |
| Gas Connection | R ¾ / 20 |
| Min Gas Supply Pressure NG/ULPG | 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 |
| Hot Water Connection | R ¾ / 20 |
| Approx. Weight (empty) | 16kg | 16kg | 16kg | 23kg | 24kg |
| Freeze Protection | Yes | Yes | Yes | Yes | Yes |
| A Unit Height (mm) | 520 | 520 | 520 | 601 | 650 |
| B Unit Width (mm) | 355 | 355 | 355 | 351 | 351 |
| C Unit Depth (mm) | 187 | 187 | 187 | 226 | 215 |
| D Hot Water Outlet (mm) | 105 | 105 | 105 | 132 | 132 |
| E Gas Inlet (mm) | 83 | 83 | 83 | 127 | 127 |
| F Cold Inlet (mm) | 10 | 10 | 10 | 28 | 28 |
| G Gas Inlet (mm) | 77 | 77 | 77 | 97 | 119 |
| H Cold Inlet (mm) | 68 | 68 | 68 | 64 | 86 |
| J Hot Water Outlet (mm) | 87 | 87 | 87 | 84 | 107 |
| Gas Energy Rating | 6 Stars |

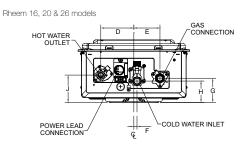
| Continuous Flow Accessories | Part Number |
|--|-------------|
| Horizontal Flue Kit Side Exit | 318278 |
| Horizontal Flue Kit Rear Exit | 318279 |
| Vertical Flue Kit | 318280 |
| Recess Box - For Rheem 27 | 320316 |
| Recess Box - For Rheem 16, 20 & 26 | 318994 |
| Pipe Cover - For Rheem 27 | 320116 |
| Pipe Cover - For Rheem 16, 20 & 26 | 320117 |
| EZiSET® Kit | 052310 |
| EZ LINK® Cable | 290141 |
| Standard Kitchen Temperature Controller | A299850 |
| Standard Bathroom 1 Temperature Controller | A299851 |
| Standard Bathroom 2 Temperature Controller | A299852 |
| Deluxe Kitchen Temperature Controller | A299861 |
| Deluxe Bathroom 1 Temperature Controller | A299862 |
| Deluxe Bathroom 2 Temperature Controller | A299863 |

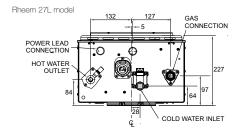


*Rheem 27 Indoor Flue System

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).





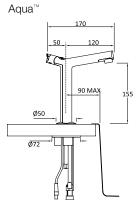


ON-TAP FILTERED, CHILLED AND BOILING WATER

| Rheem On-Tap Series | | On-Tap 3L | On-Tap 5L | On-Tap Plus 5L | Push-thru 1.8L Chiller | Pumped 5L Chiller |
|--|-----------|-----------|-----------|-------------------|---------------------------|----------------------|
| On-Tap Aqua™ | 743003F | 743005F | | | | |
| On-Tap Azure™ | 743103F | 743105F | | 318844 | UBWC-125 | |
| On-Tap Plus Aqua™ | | | | 7430054SR | 310044 | UDWU-120 |
| On-Tap Plus Azure™ | | | | 7431054DR | | |
| Boiling Delivery – p/hr | Litres | 16.6 | 20 | 20 | - | - |
| Boiling Delivery – p/hr | Cups* | 98 | 118 | 118 | - | - |
| Mixed Delivery - p/hr^ | Litres | - | - | 57 | - | - |
| Chilled Delivery – p/hr | Litres | - | - | - | 12.5 | 36.6 |
| Chilled Delivery – p/hr | Glasses** | - | - | - | 63 | 183 |
| Weight empty | Kg | 12 | 12 | 12 | 12 | 16 |
| Weight full | Kg | 18 | 18 | 18 | 14 | 21 |
| Recommended Min water pressure | kPa | 300 | 300 | 300 | 140 | 100 |
| Max water pressure | kPa | 500 | 500 | 500 | 400 | 700 |
| Element | kW | 1.5 | 1.8 | 1.8 | | |
| Electrical connections | | | 10 amp 3 | pin plug and flex | | |
| Plumbing connections | | | | 1⁄2" BSP | | |
| A Width (mm) | | 175 | 175 | 175 | 205 | 250 |
| B Depth (mm) | | 460 | 460 | 460 | 408 | 430 |
| C Height (mm) | | 405 | 405 | 405 | 278 | 320 |
| Accessories | Part No | | | | | |
| Aqua [™] Sink Free & Extension Kit | 317453 | Optional | Optional | Optional | | |
| Azure [™] Sink Free & Extension Kit | 319042 | Optional | Optional | Optional | | |
| Azure [™] Combined Base Sink Free & Extension Kit | 319047 | Optional | Optional | Optional | | |

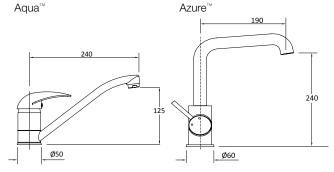
*Cup size 170ml **Glass size 200ml ^ @ 50°C

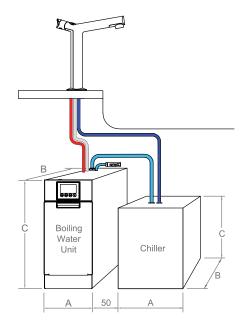
DISPENSING TAPS



Azure™

MIXER TAPS Aqua™





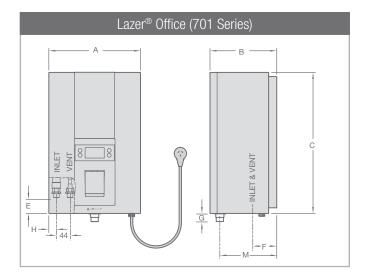
Calculations based on incoming water temperature of 17°C

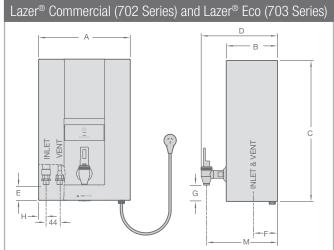
LAZER® BOILING WATER

| Lazer [®] Boiling Wate | er 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* | 21 | 35 | 21 | 35 | 50 | 50 | 65 | 100 | 159 | 247 |
| Recovery | L/hr | 17.5 | 23 | 17.5 | 23 | 23 | 23 | 23 | 23 | 35 | 45 |
| - Cups per hour | Cups* | 103 | 135 | 103 | 135 | 135 | 135 | 135 | 135 | 206 | 265 |
| Weight empty | Kg | 6 | 8 | 6 | 8 | 9 | 9 | 10 | 15 | 17 | 19 |
| Weight full | Kg | 10 | 15 | 10 | 15 | 19 | 19 | 22 | 34 | 47 | 67 |
| Min water pressure | kPa | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 75 | 75 | 100 |
| Max water pressure | kPa | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 |
| Element Rating @ 240V | kW | 1.8 | 2.4 | 1.8 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 3.6 | 4.6 |
| Electrical connections | | | | Suppli | ed with 10 amp | 3 pin plug and | l flex | | | Hard- | wired |
| Plumbing connections | | | | | | ½" BS | SPM | | | | |
| A Width | | 283 | 334 | 283 | 334 | 334 | 334 | 334 | 334 | 334 | 490 |
| B Depth | | 209** | 240** | 158 | 191 | 191 | 191 | 191 | 299 | 299 | 340 |
| C Height | | 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 |
| Н | | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 |
| Μ | | 174** | 208** | 220 | 253 | 253 | 270 | 270 | 380 | 380 | 420 |

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

Calculations based on incoming water temperature of 18°C





ZIP® BOILING WATER

4

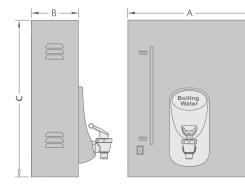
| Models | 83204514 | 83207014 | 83215014 | 83223014 | 83235014 | | | | | | |
|--|----------|----------|----------|----------|----------|--|--|--|--|--|--|
| Delivery Capacity (L) | 4.5 | 7.0 | 15 | 23 | 34 | | | | | | |
| Dimension A mm | 340 | 340 | 490 | 490 | 490 | | | | | | |
| Dimension B mm | 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 @ 240V (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 | | | | | | |

6

14

24

28



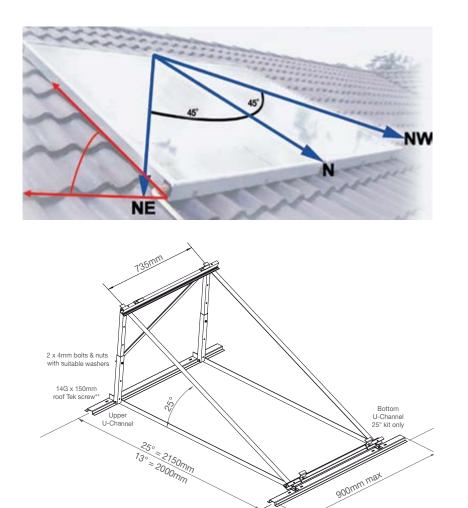
Minimum Level (mins)

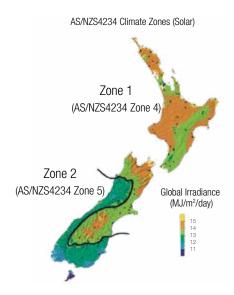
SOLAR PREMIER

| 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 Collectors | 2.4m × 2.0m | | | | | |
| - 3 Collectors | 3.6m × 2.0m | | | | | |
| Dimensions - Cylinder | H 1700mm × 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 | 34 /20 BSPF | | | | | |
| - Outlet Tempered | 34 /20 BSPF | | | | | |
| - Gas | 34 /20 BSPM | | | | | |
| - Solar Flow and Return | 1⁄2 /15 BSPM | | | | | |

| Sizing Guide | Zone | | People | | | | | |
|---|-----------|----------|---------------|-------|-------------|--------------|-----------|-----|
| Boosting Type | | | | Gas | Electric | | | |
| Moderate Climate | 1 | | 2 | 2 - 6 | 1 | - 3 | | |
| Cold Climate | 2 | | 2 | 2 - 5 | 1 | - 3 | | |
| Recommended Minimum Panel Inclination Angles | | | | | | | | |
| Auckland | 20° | Hamiltor | 1 | 229 | þ | Wellington | | 25° |
| Christchurch | 30° | Dunedin | | 359 | 5 | Invercargill | | 37° |
| Boost Specifi | cations | | | | | | | |
| Electric Supply Volta | age | | | | | Volts 220-25 | 50 | |
| Available in 3.6kW | (15 amp) | | | | | | | |
| Gas Input - Natural | Gas | | MJ/hr | | | 205 | | |
| Available in Natural | Gas and l | JLPG | | | | | | |
| Solar Ready I | MPVE* | Storage | e Tanks | - No | n-(| Coiled | | |
| Model | | | A51127007 | | 7 A51134007 | | A51143007 | |
| Storage Capacity (L |) | | 270 | | | 325 | | 410 |
| Boost Volume (L) 3. | 160 | | 200 | | : | 285 | | |
| ${\rm Height} \times {\rm Width} \ ({\rm mn}$ | 1395 × | 640 | 40 1640 × 640 | | 1840 × 690 | | | |
| Weight Empty (kg) | | | 70 | | | 87 | | 111 |

*Mains Pressure Vitreous Enamel



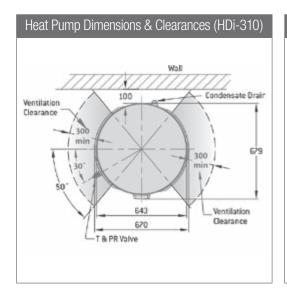


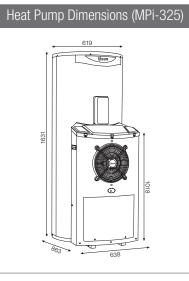
N.B. Collector size (1023 \times 1941mm) is greater than frame size. **Screws must be compatible with substrate/roofing material.

HEAT PUMP

| | | HDi-310 | MPi-325 |
|---------------------------------|--------|-----------|------------------------|
| Model No. | | A55131007 | A55132507 |
| Approx. Storage Capacity | Litres | 310 | 325 |
| Height | mm | 1870 | 1630 |
| Width | mm | 670 | 638 |
| Depth | mm | 690 | 863 |
| Approx Weight Empty | Kg | 135 | 136 |
| Relief Valve Setting | kPa | 1000 | 1000 |
| Without Expansion Control Valve | kPa | 800 | 800 |
| Minimum Water Pressure | kPa | 200 | 200 |
| Water Connections | | RP ¾ / 20 | RP ^{3/4} / 20 |
| Element Rating | kW | 3.6 | 3.6 |
| Power Input | W | 1300 | 800 |

| 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 |







RAYPAK® POOL & SPA WATER HEATERS

| | Temp | perature Ris | e per Hour | (Spa) | Temperature Rise over 24 Hours (Pool)* | | | | | |
|----------------------------|--------------------|--------------|------------|-------------|--|------------------------|-----|-----|-----|-----|
| Model | | | Spa Volur | ne (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° | - | - | - | - | - |
| 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

| | Nominal Rating | | | | Approximate Dimensions | | | | Connections | | Indoor Installations | |
|----------------------------|----------------|--------------|---------------|--------------|------------------------|-------------|-------------|---------------|-------------|-------|------------------------|-------------------------|
| | Natural Gas | | ULPG | | All Models | | | | Gas | Water | | stallations |
| Model | 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 |
| 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 |

DOMESTIC WARRANTIES*

ELECTRIC

Mains Pressure Electric Vitreous Enamel Indoor 10 years tank, 5 years tank labour, 1 year parts and labour.

Mains Pressure Electric Vitreous Enamel Optima 12 years tank, 5 years tank labour, 3 years parts and labour.

Mains Pressure Electric Stainless Steel & Coil 10 years tank, 3 years tank labour, 1 year parts and labour.

Low Pressure Electric Vitreous Enamel 10 years tank, 5 years tank labour, 1 year parts and labour.

Low Pressure Electric Copper 5 years tank, 1 year tank labour, 1 year parts and labour.

GAS

Gas Continuous Flow 10 years on heat exchanger, 3 years parts and labour.

Mains Pressure Gas Storage

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

Stellar Gas Storage10 years tank, 5 years tank labour, 1 year parts and labour.

HEAT PUMP

Heat Pump

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

SOLAR

Solar Premier

5 years tank, 3 years tank labour, 1 year parts and labour, 5 years collector parts and labour

BOILING WATER

Lazer $^{\scriptscriptstyle \otimes}$ Office, Eco & Commercial & On-Tap Boiling Water Unit

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

On-Tap Chiller (UBWC-125 model only)

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

Zip® Boiling Water Unit

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

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

For Raypak and Rheem Commercial Warranty information, call 0800 667 336 or visit www.rheem.co.nz

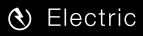
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Rheem HAS GONE SOLSTICE zd Green

SOLSTICE zd LBA IS THE NEW STANDARD FOR THERMAL FOAM INSULATION

- BETTER FOR THE ENVIRONMENT
- EXCEEDS NZ MINIMUM ENERGY PERFORMANCE STANDARDS (MEPS)
- ZERO OZONE DEPLETING PROPERTIES
- ULTRA LOW GLOBAL WARNING
 POTENTIAL (GWP)*







🗭 Solar

- 🛞 Heat Pump
- 🙆 Boiling Water



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www.rheem.co.nz

All specifications contained in this brochure 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, (January 2020) but may change without notice.