



Your complete

RENEWABLE HOT WATER SOLUTIONS

ROOF & GROUND MOUNT SOLAR HOT WATER SYSTEMS & HEAT PUMPS



RHEEM FOR RELIABILITY

Rheem has been manufacturing in Australia since 1939. Over that time Rheem has grown to become a household name and a part of the fabric of Australian homes. Today we are the largest water heating appliance manufacturer in Australia, offering an expansive range of roof mounted and ground solar systems as well as heat pumps.



- **Choice of systems** – Rheem’s large range of solar Hiline® (roof mounted) and solar Loline (ground mounted) systems along with our range of heat pumps offer sustainable and economical hot water solutions for your home
- **Stainless steel & vitreous enamel tanks** – A range of stainless steel tanks exclusive to Rheem Solar Specialists is available along with vitreous enamel tanks to offer you more choice
- **Range for all weathers** – Rheem has developed a range of systems to suit all climatic conditions in Australia from frost prone areas of the south to the tropical north, as well as areas with harsh water conditions
- **Booster options** – Rheem solar systems are available with electric or gas boosting, providing hot water during cloudy or rainy weather

THE POWER OF A SPECIALIST NETWORK

The Rheem Solar Specialist network offers an extensive product range to suit the needs and aesthetics of your home. The network draws on Rheem’s vast experience and expertise in solar water heating to offer you the best solution. With a large network around the country and products from Australia’s number one hot water brand, our specialist network can assist you with:

- Understanding your requirements and provide advice on the best solution for your home
- Installing your solar system
- Assist you in claiming and processing any applicable government incentive available

Your local Rheem Solar Specialist can assist you with understanding your requirements, provide advice on the the best solution for your home and install your solar or heat pump water heater.



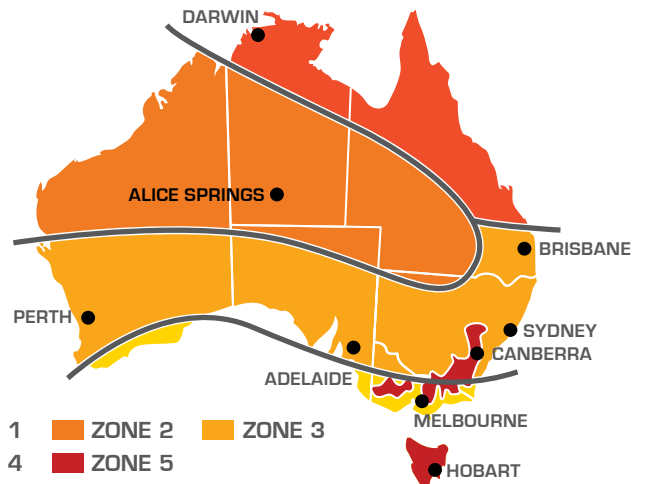
REDUCE ENERGY CONSUMPTION: HELP THE ENVIRONMENT

A Rheem solar hot water or heat pump system are both excellent environmental and energy saving investments. Solar hot water systems work by absorbing energy from the sun's rays, while heat pumps convert heat from the atmosphere and transfer it into the water stored in the tank.

These systems help reduce energy use from fossil fuels and consequently lower greenhouse gas emissions and pollution. Not only are you helping the environment by installing a Rheem solar hot water or heat pump system, you could also enjoy substantial savings on your household hot water energy use with a range of systems capable of saving between 60% to an astonishing 80%¹.

SAVE MORE WITH GOVERNMENT INCENTIVES

Rheem solar and heat pump hot water systems are eligible for Small-scale Technology Certificates (STCs). STCs result in a financial benefit, under a Federal Government legislated scheme to encourage the installation of renewable energy systems. The quantity of STCs you are entitled to differs depending on your system capacity, efficiency, performance and installation location. STCs provide you with a financial benefit, with a reduction on the cost of your installed system.



ELIGIBILITY CRITERIA

- STCs can only be created for solar and heat pump water heaters listed on the Clean Energy Regulator's Registers of Solar Water Heaters and Heat Pump Water Heaters
- The right to create STCs can only be assigned by the owner of the system and created by a Registered Agent. Note: The right to create STCs can be assigned directly to Rheem
- The country is divided into climate zones for STC creation – 4 for solar and 5 for heat pumps
- For more information on STCs visit cleanenergyregulator.gov.au/RET/About-the-Renewable-Energy-Target/How-the-scheme-works/Small-scale-Renewable-Energy-Scheme

1. Energy reduction is based on Australian Government Approved TRNSYS simulation modelling of the system and using a medium load in Zone 3 and apply when replacing an electric water heater with a Rheem solar water heater system. Each product or model combination offers different savings.



A RANGE OF RENEWABLE HOT WATER SOLUTIONS



Model: 52H300

RHEEM HILINE® & PREMIER HILINE® ROOF MOUNTED SOLAR HOT WATER SYSTEMS

Rheem Hiline® and Premier Hiline® roof top systems are a choice of tank and collectors installed on the roof, freeing up space on the ground. Our large range of roof top systems, offer a choice of stainless steel or vitreous enamel tanks suitable for all your home requirements from the tropics to cold climates.

In a Hiline open circuit or direct system¹, the water from the tank flows into the collectors where it is heated and flows back into the tank. Rheem Premier Hiline® system uses a closed circuit or indirect system². The solar heating fluid flows from the heat exchanger into the collectors and back again where the heat is then transferred into the water in the tank.

RHEEM LOLINE® & PREMIER LOLINE® GROUND MOUNTED SOLAR HOT WATER SYSTEMS

Rheem Loline® and Premier Loline® ground mounted systems have collectors on the roof and tanks installed on the ground or at floor level. Choice of a stainless steel or vitreous enamel tanks suitable for all your home requirements from tropical to cold climates.

The water from the tank in a Loline open circuit or direct system¹ is circulated up into the collector, where it is heated before returning to be stored in the tank. The Rheem Premier range of closed circuit or indirect systems² use a solar heating fluid which is pumped up to the collectors before returning to transfer heat gained from the collectors to the water in the tank using its unique technology in the heat exchanger. This range provides freeze protection and is also suitable for harsh water areas.



Model: 5A2325



Model: 551325

RHEEM HEAT PUMPS HEAT ABSORPTION HOT WATER SYSTEMS

Rheem Heat Pump water heaters are an energy efficient, affordable way to heat hot water. Heat Pumps use the heat from the surrounding air to heat your water. Heat Pumps help reduce your water heating energy consumption by up to 61% to 65%³ compared to an electric water heater. They can work all year round, day or night, in sunshine or rain and even on cooler days, as there is always heat in the atmosphere which can be used.

1. An open or direct circuit system has potable water flowing through the collectors.

2. A closed circuit or indirect system has a non-potable solar heating fluid with anti-freeze properties flowing through the collectors.

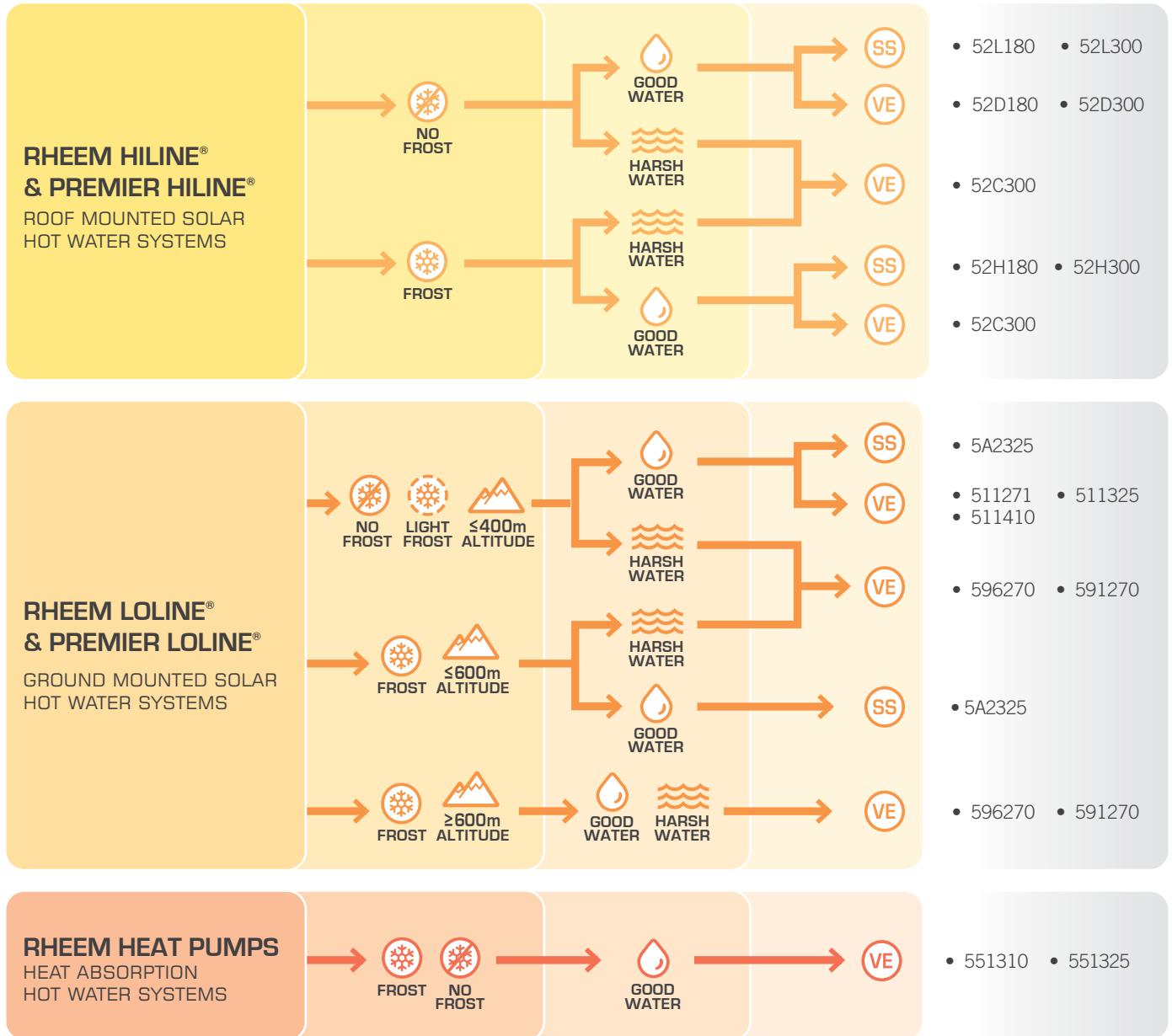
3. Energy reduction is based on Australian Government Approved TRNSYS simulation modelling of the 551310 and 551325 system and using a medium load in Zone 3 and apply when replacing an electric water heater with a Rheem heat pump.

WHICH PRODUCT IS RIGHT FOR ME?

Which system you choose will depend on where you live in Australia, which way your roof faces and even the pitch of your roof. For days where energy from the sun is insufficient, Rheem gives you the option to have either an in-tank electric element booster or a gas continuous flow boosting unit or a Heat Pump. Systems are available to suit tropical or cold climates, with either a stainless steel tank or vitreous enamel tank and a selection of

collectors. Closed circuit systems are also available for freezing or harsh water conditions, heating the water indirectly using a heat exchanger. Use the table shown or talk to your local Rheem Solar Specialist about which Rheem hot water system is ideal for you.

Stainless steel tanks are lighter in weight. Stainless steel is an inherently corrosion resistant material in good water conditions.



NOTE



FROST

Not all systems are suitable for all geographical areas due to frost and freeze conditions. Only models with the suitable level of freeze protection should be installed in frost areas.



HARSH WATER

Not all systems are suitable for all geographical areas due to water chemistry and its effects on the water heater. Refer to product Data-sheet or Product Installation Instructions for the water chemistry limits of each type of water heater.

TANK TYPE



Vitreous enamel



Stainless steel

Note: Stainless steel is not suitable for harsh water conditions. Please see suitability map. Link: http://solar.rheem.com.au/images/Residential_Stainless_Steel_suitability_map_of_Australia_Nov_2019.pdf

HOW EACH SYSTEM WORKS

RHEEM LOLINE® SOLAR HOT WATER SYSTEMS

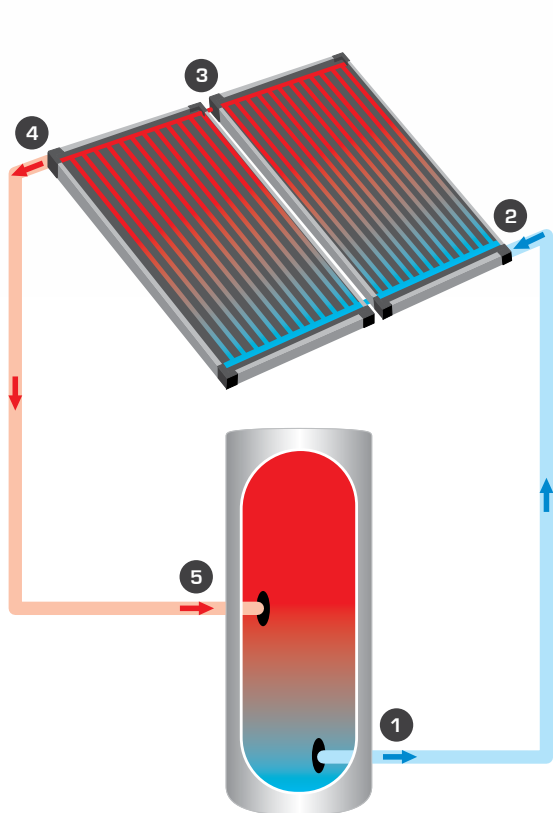
Rheem Loline® and Premier Loline® solar water heaters work by absorbing energy from the sun's rays on the roof mounted collectors and transferring it to the water stored in the ground or floor mounted storage tank. Ground or floor mounted systems employ either a circulator or pump to push the water or solar heating fluid through the collector.

There are two types of systems available:

OPEN CIRCUIT OR DIRECT SYSTEM

Suitable for areas with good water conditions in temperate and tropical climates. Water is circulated through the collectors and returned to the tank until an optimum hot water temperature is reached. Recommended for good water areas.

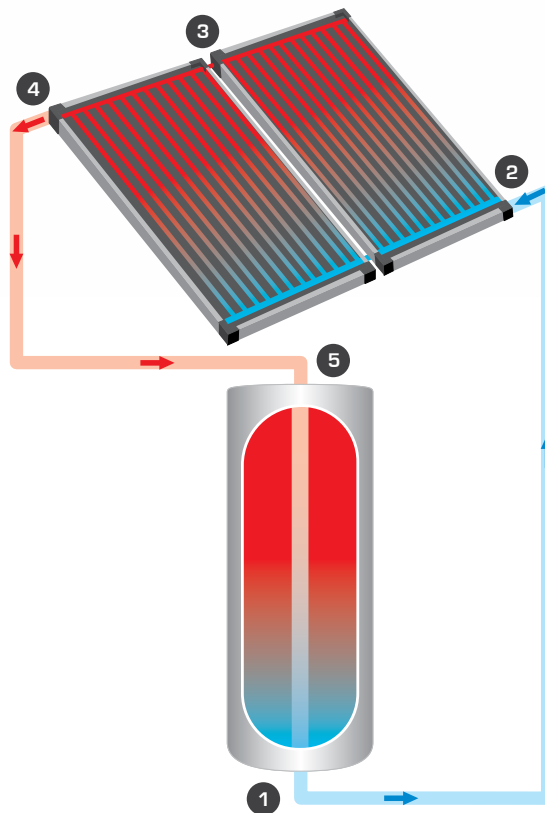
1. Cold water exits the water tank
2. Water enters the solar collectors
3. The water heats up as it rises
4. Hot water exits the collectors
5. Heated water enters the tank



CLOSED CIRCUIT OR INDIRECT SYSTEM

Suitable for cold climates or areas with harsh water conditions. Solar heating fluid is pumped through the collectors and returned to the heat exchanger where its heat is transferred to the water in the tank via a heat exchanger until an optimum hot water temperature is reached.

1. Cold water exits the water tank
2. Water enters the solar collectors
3. The water heats up as it rises
4. Hot water exits the collectors
5. Heated water enters the tank



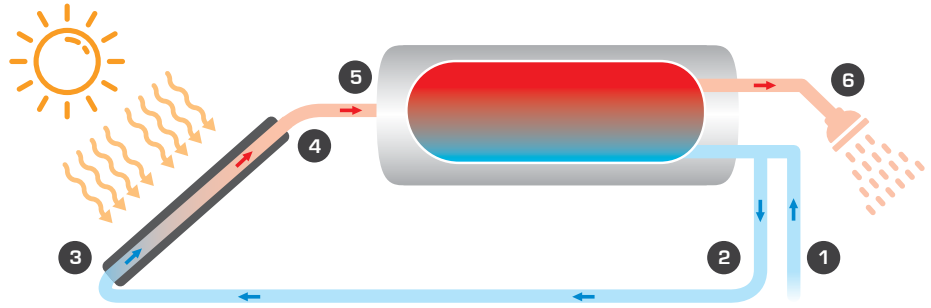
Note: Graphical representation. Might not reflect the true placement and system connections.

RHEEM HILINE® SOLAR HOT WATER SYSTEMS

Rheem Hiline® and Premier Hiline® roof mounted systems have both the tank and collectors installed on the roof. The heat from the sun is absorbed by the collectors. With an open circuit or direct system, the water from the tank flows into the collectors where it gets heated and flows back into the tank. In a closed circuit or indirect system, the solar heating fluid flows from the heat exchanger into the collectors and back again where the heat is then transferred into the water in the tank. A heat exchanger separates the domestic consumed hot water from the solar circuit. This occurs through the natural thermosiphon process whilst the sun is shining (as water or fluid heats up, it becomes lighter and rises) and does not use a circulator or a pump.

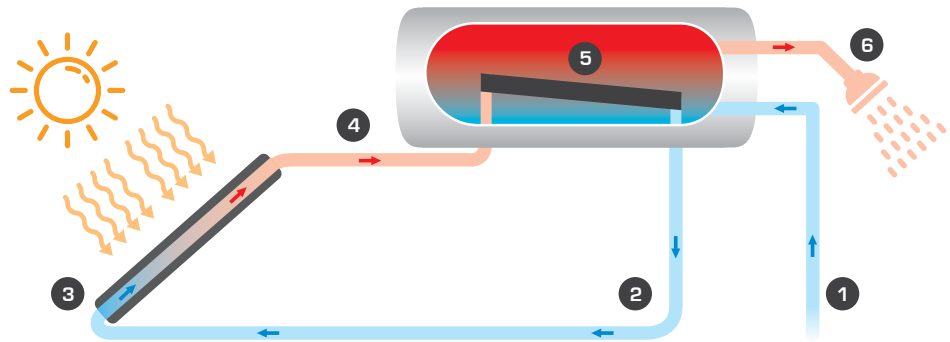
OPEN CIRCUIT OR DIRECT SYSTEM

1. Cold water mains to tank
2. Cold water exits the water tank
3. Water enters the solar collectors
4. Hot water exits the collectors
5. Heated water enters the tank
6. Hot Water Outlet to the house



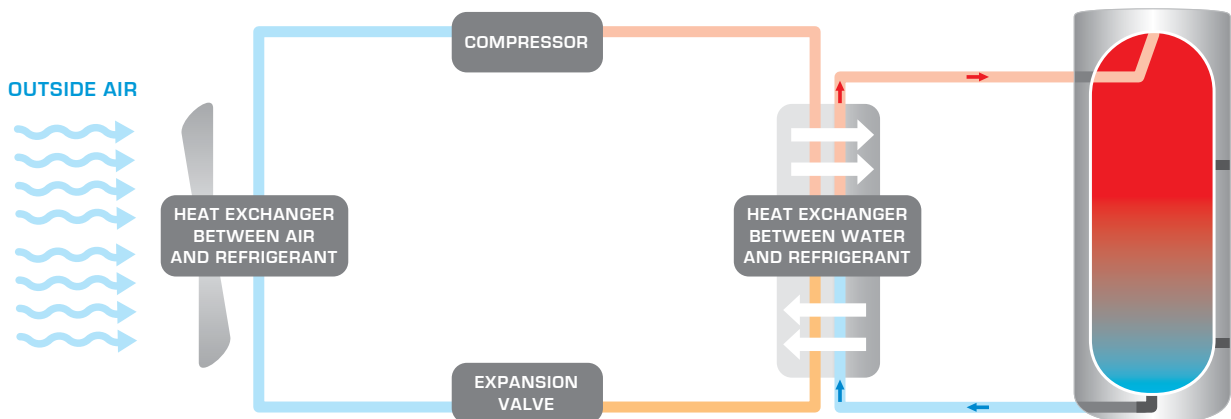
CLOSED CIRCUIT OR INDIRECT SYSTEM

1. Cold water inlet to water tank
2. Cold Heat Exchanger Fluid to collector
3. Heat Exchanger heated fluid in collector
4. Heated heat exchanger fluid to tank
5. Water gets heated and cold heat exchanger fluid flows back
6. Hot Water Outlet to the house



RHEEM HEAT PUMPS

Rheem Heat Pumps deliver hot water by efficiently utilising a free and abundant source of energy – the heat that is in the air around us. Heat is extracted from the air heating a refrigerant gas and is then transferred to the water via a heat exchanger. The higher the ambient air temperature, the faster the heating and the more efficient the system. The advantage of this process is that it can work day or night, in sunshine or rain and all year round. It works even on cooler days, as there is still heat in the atmosphere. Rheem Heat Pumps are more efficient during the warmth of the day and the warmer months of the year.



RHEEM HILINE® SOLAR HOT WATER SYSTEMS



Model: 52L300



Model: 52H300

RHEEM HILINE® 52L

THE NON-FROST SYSTEM (NOT AVAILABLE IN WA)

If your home is in a temperate or tropical location not subject to frost and you have good water chemistry, then the Rheem 52L Series system is ideal. The 52L Series system directly heats the water as it thermosiphons through the collectors and rises back into the storage tank.

- The thermosiphon process continues whilst the sun is shining giving you and your family ample hot water
- Stainless steel cylinder
- Booster – your choice of an electric element or 6-Star continuous flow gas, to keep you in hot water when the sun isn't shining
- Full mains pressure from multiple outlets
- Eligible for STCs



4 COLORBOND® COLOURS

NOTE: Actual colour of the system may vary.



NPT200 COLLECTOR



L & CSA2007 COLLECTOR

RHEEM HILINE® 52L SERIES	
Tank Capacity (litres)	180 & 300
Type of Tank	Stainless Steel
Direct / Indirect System	Direct
Suitable for	Temperate and Tropical climates
Frost Protected	X
Collector Models	NPT200 L CSA2007
Suitable for Harsh Water	X
Electric Boost	✓
Gas Boost	✓

RHEEM PREMIER HILINE® 52H

FULLY FROST PROTECTED SYSTEM (NOT AVAILABLE IN WA)

The Rheem Premier Hiline® is designed for areas which experience frost and freezing conditions. With a closed circuit or indirect system, the solar heating fluid which is a food grade with anti-freeze properties flows from the heat exchanger, thermosiphoning through the collectors and back again, transferring the heat into the water in the tank.

- The benefit of this indirect process is that the system can be used confidently in frost areas or freezing conditions, without risking freeze damage to the system
- Stainless steel cylinder and heat exchanger
- Booster – your choice of an electric element or 6-Star continuous flow gas, to keep you in hot water when the sun isn't shining
- Full mains pressure from multiple outlets
- Eligible for STCs



4 COLORBOND® COLOURS

NOTE: Actual colour of the system may vary.



NPT200 COLLECTOR



L & CSA2007 COLLECTOR

RHEEM PREMIER HILINE® 52H SERIES	
Tank Capacity (litres)	180 & 300
Type of Tank	Stainless Steel
Direct / Indirect System	Indirect
Suitable for	Cold and Temperate climates
Frost Protected	✓
Collector Models	NPT200 L CSA2007
Suitable for Harsh Water	X
Electric Boost	✓
Gas Boost	✓

Rheem's Hiline® and Premier Hiline® roof mounted systems are a choice of tank and collectors installed on the roof, freeing up space on the ground. This is also a great option when ground access is limited by having the storage tank and solar collectors installed together on the roof. Our large range of Hiline® systems offers a choice of stainless steel or vitreous enamel lined tanks suitable for all your home requirements from the tropics to cold climates. The range of stainless steel 300 litre models is available in a range of four colours.



Model: 52D300



Model: 52C300

RHEEM HILINE® 52D

NON-FROST SYSTEM

The Rheem Hiline® solar hot water heater is ideal for warmer climates and areas with good water chemistry.

- The 52D Series system directly heats the water as it thermosiphons through the collectors and rises back into the storage tank. This process continues whilst the sun is shining, giving you and your family ample hot water
- Booster – your choice of an electric element or 6-Star continuous flow gas boost back up, to keep you in hot water when the sun isn't shining
- Full mains pressure from multiple outlets
- Eligible for STCs



4 COLORBOND® COLOURS

NOTE: Actual colour of the system may vary. Coloured tank systems available in WA only.



NPT200 COLLECTOR

RHEEM HILINE® 52D SERIES	
Tank Capacity (litres)	180 & 300
Type of Tank	Vitreous Enamel
Direct / Indirect System	Direct
Suitable for	Temperate and Tropical climates
Frost Protected	X
Collector Models	NPT200
Suitable for Harsh Water	X
Electric Boost	✓
Gas Boost	✓

RHEEM PREMIER HILINE® 52C

FULLY FROST PROTECTED SYSTEM

Rheem Premier Hiline® is a closed circuit solar water heater specifically designed for environments prone to frost and freezing conditions and for areas with poor water chemistry. Rather than directly heating water, solar heating fluid with anti-freeze properties thermosiphons through the collectors to capture the sun's energy.

- Complete frost protection - the solar heating fluid will prevent freezing in the solar collectors
- Suitable for areas with poor water chemistry
- Booster – your choice of an electric element or 6-Star continuous flow gas boost back up, to keep you in hot water when the sun isn't shining
- Full mains pressure from multiple outlets
- Eligible for STCs



NPT200 COLLECTOR

RHEEM PREMIER HILINE® 52C SERIES	
Tank Capacity (litres)	300
Type of Tank	Vitreous Enamel
Direct / Indirect System	Indirect
Suitable for	Cold and Temperate climates
Frost Protected	✓
Collector Models	NPT200
Suitable for Harsh Water	✓
Electric Boost	✓
Gas Boost	✓

RHEEM LOLINE® HOT WATER SYSTEMS

Rheem Loline® and Premier Loline® ground mounted systems have collectors on the roof and tank installed on the ground or at floor level. A choice of a stainless steel or vitreous enamel tanks are suitable for all your home requirements from tropical to cold climates. If you need an emergency replacement, you can operate this solar storage tank on its electric or gas boost, until your collectors are installed.

BOOSTER OPTIONS

Boosting is a back-up feature to provide hot water at times of low solar energy gain, such as during cloudy or rainy weather, or during the colder months or periods of increased hot water demand.

There are two types of boosters available:

- **Electric** boosting element or
- **6-Star 26L/min continuous flow gas** boosting



Model: 5A2325

RHEEM LOLINE® STAINLESS STEEL ENHANCED FROST PROTECTED SYSTEMS

A Rheem Loline® SS solar water heater, with its light-weight stainless steel tank and natural anti-corrosion properties, uses solar collectors installed on the roof to absorb heat energy from the sun. The hot water from the solar collectors is circulated to the storage tank at ground or floor level.

- Enhanced frost protection - has a level of enhanced recirculating freeze protection with a back-up frost element designed to guard the system against frost damage to the collectors in cold conditions, for installations up to 600 metres altitude
- Automatic electronic controls for solar energy gain and circulating freeze protection
- Booster – your choice of electric element or 6-Star continuous flow gas boost back up, to keep you in hot water when the sun isn't shining
- Reduces structural load on your roof
- LED Display to easily check the operating status
- Full mains pressure from multiple outlets
- Eligible for STCs



NPT200 & CSA2007
COLLECTOR



Model: 5A2325
(Optional tank mounted
continuous gas flow booster)

RHEEM LOLINE® STAINLESS STEEL	
MODEL	5A2325
Tank Capacity (litres)	325
Type of Tank	Stainless Steel
Direct / Indirect System	Direct
Suitable for	Tropical, Temperate and Cold climates
Enhanced Frost Protection	✓
Collector Models	NPT200 CSA2007
Suitable for Harsh Water	✗
Electric Boost	✓
Gas Boost	✓



Model: 511325

RHEEM LOLINE® VITEROUS ENAMEL
FROST PROTECTED SYSTEMS

Rheem Loline® Solar water heaters use solar collectors installed on the roof to absorb heat energy from the sun, which is transferred to water stored in the tank at ground or floor level. Designed for warmer climates and areas with good water chemistry.

- Automatic electronic controls for solar energy gain and circulating freeze protection
- Limited frost protection – has a level of limited recirculating freeze protection to guard the system against frost damage to the collectors, for installations up to 400 metres altitude
- Booster – your choice of electric element or 6-Star continuous flow gas boost back up, to keep you in hot water when the sun isn't shining
- Full mains pressure from multiple outlets
- Eligible for STCs



NPT200 & CSA2007
COLLECTOR

RHEEM LOLINE® VITEROUS ENAMEL	
MODEL	511271 / 511325 / 511410
Tank Capacity (litres)	270, 325 & 410
Type of Tank	Vitreous Enamel
Direct / Indirect System	Direct
Suitable for	Tropical and Temperate climates
Frost Protection	✓
Collector Models	NPT200 CSA2007
Suitable for Harsh Water	✗
Electric Boost	✓
Gas Boost	✓



Model: 596270

RHEEM PREMIER LOLINE® VITEROUS ENAMEL COMPLETE FROST PROTECTED SYSTEMS

Specifically designed for environments prone to freezing conditions and areas with poor water chemistry, the Rheem Premier Loline® incorporates Drain-Back heat exchange technology to maximise solar gain and protect against freezing in all weather extremes.

The Premier Loline® uses a solar heating fluid with anti-freeze properties and drains out of the collectors when solar gain is not being achieved.

- Designed for very cold climates and all-weather conditions and areas with harsh water chemistry
- Complete frost protection - unique Drain-Back heat exchange falling film technology
- Booster – your choice of electric element or 6-Star continuous flow gas boost back up to keep you in hot water when the sun isn't shining
- Full mains pressure from multiple outlets
- Eligible for STCs



RHEEM PREMIER LOLINE® VITEROUS ENAMEL		
MODEL	591270	596270
Tank Capacity (litres)	270	270
Type of Tank	Vitreous Enamel	Vitreous Enamel
Direct / Indirect System	Indirect	Indirect
Suitable for	Tropical, Temperate and Cold climates	Tropical, Temperate and Cold climates
Complete Frost Protection	✓	✓
Collector Models	SPA2000 CSA2007	SPA2000 CSA2007
Suitable for Harsh Water	✓	✓
Electric Boost	✓	✗
Gas Boost	✗	✓

RHEEM HEAT PUMPS

Rheem Heat Pump water heaters are an energy efficient, affordable way to heat hot water. Heat Pumps use the heat from the surrounding air, to heat your water. Heat Pumps help reduce your water heating energy consumption compared to an electric water heater on a continuous tariff. They can work all year round, day or night, in sunshine or rain and even on cooler days, as there is always heat in the atmosphere which can be used.

FEATURES

- No need for solar collectors - perfect where roof space is limited
- Can use the same connections as an electric water heater
- Ideal upgrade from a standard electric water heater
- Vitreous enamel tanks
- Saves energy as compared to electric water heaters
- Frost protected
- Includes a back-up element, delivering hot water, for the coldest winter nights



WORKS DAY & NIGHT
Heat Pumps don't rely on direct sunshine to operate



TOP DOWN HEATING
delivers heated water into the top of the tank for faster hot water delivery



BACK-UP ELEMENT
Provides hot water even in very cold conditions



FROST PROTECTED
Protects the internal waterways from freezing conditions



Model: 551310



Model: 551325

RHEEM HDi 310L HEAT PUMP

The HDi-310 Heat Pump introduced single-pass Top Down Heating; an advanced design which heats hot water to 60°C for immediate use. Using refrigerant-based technology, heat pumps can operate in any season, day and night.

- Back-up electric element for boosting to ensure that hot water is available 24/7, during very cold conditions
- Energy efficient - cutting energy use and greenhouse gas emissions
- Fits on a compact footprint
- Full mains pressure from multiple outlets
- Eligible for STCs
- Suitable for 3 to 6 people



RHEEM HDi 310L HEAT PUMP	
MODEL	551310
Tank Capacity (litres)	310
Type of Tank	Vitreous Enamel
Suitable for	Tropical, Temperate and Cold climates
Frost Protected	✓
Suitable for Harsh Water	✗

RHEEM MPI 325L HEAT PUMP

The MPI Series II Rheem Heat Pump utilises the latest heating technology to efficiently heat water. Heat energy is absorbed and processed through a refrigeration system, resulting in hot water using approximately up to a third of the energy of an electric water heater.

- Multi-pass heating heats the water 'isothermally' by passing the water through the heat exchanger multiple times
- Constant recovery minimises energy use by heating at a constant, optimised rate
- Energy efficient – cutting energy use and greenhouse gas emissions
- Back-up element provides hot water
- Whisper technology enables quieter operation
- Suitable for warm climates and average size families
- Full mains pressure from multiple outlets
- Eligible for STCs
- Suitable for 2 to 5 people



RHEEM MPI 325L HEAT PUMP	
MODEL	551325
Tank Capacity (litres)	325
Type of Tank	Vitreous Enamel
Suitable for	Tropical, Temperate and Cold climates
Frost Protected	✓
Suitable for Harsh Water	✗

COLLECTORS TO SUIT YOUR NEEDS

NPT200 COLLECTOR

The NPT200 Series is our largest selling collector. An efficient collector suitable for use in all climatic regions, the NPT200 collector is solidly constructed with copper header and riser waterway tubes and non-selective surface black powder coated aluminium absorber plate, housed in a durable Zinalume® steel tray. It is available for both direct and indirect systems.



L COLLECTOR

The L collector is an efficient non-selective surface collector suitable for use in all climatic regions. It is solidly constructed and manufactured with copper header and riser waterway tubes and a black powder coated aluminium absorber plate, housed in an aluminium tray. It is available for use with both direct and indirect thermosiphon systems.



CSA2007 COLLECTOR

The CSA2007 collector is a higher performance selective surface collector suitable for cooler climates and high-altitude performance. It uses advanced heat-transfer technology to gather more of the sun's energy. It is made with copper header and riser waterway tubes and an advanced sputtered Tinox-coated copper absorber plate to enhance performance. It is available for both direct and indirect systems.



SPA2000 COLLECTOR

The SPA2000 collector is an efficient non-selective surface collector suitable for use in all climatic regions. The black powder coated steel absorber plate with its 35 diamond shaped risers provides a higher thermal mass and an increased solar heating fluid to surface contact ratio to provide economical system efficiency. It is available for use in indirect Premier Loline® systems.



COLLECTOR		NPT200	L	CSA2007	SPA2000
Aperature (heating) area	m ²	1.87	1.87	1.88	1.88
Dimensions	length	1938	1943	1996	1996
	width	1024	1027	1043	1043
	height	80	83	82	82
Working pressure	kPa	1000	1000	1000	70
Capacity	litres	1.5	1.5	1.5	4
Weight	empty (excluding fittings)	36	29	34	45
	full (including fittings)	40	33	38	52
Absorber surface		Black polyester powder coat	Black polyester powder coat	Blue Tinox sputtered selective surface	Black polyester powder coat
Absorber material		Aluminium	Aluminium	Copper	Steel
Riser material		Copper	Copper	Copper	Steel
No. of Risers		7	7	7	35
Tray material		Zinalume	Aluminium	Extruded aluminium sides Zinalume® base	Extruded aluminium sides Zinalume® base
Insulation material (base)		38mm polyester blanket	38mm polyester blanket	38mm glass wool blanket	38mm polyester blanket
Glass		3.2mm tempered low iron	3.2mm tempered low iron	3.2mm tempered low iron	3.2mm tempered low iron

Note: Rheem Solar Specialist will recommend the most suitable collector option to suit your specific requirements.

RHEEM MANUFACTURER'S WARRANTY

All our hot water systems come with a manufacturer's warranty, with coverage depending on the model you choose. As further support, Rheem has in place easily accessible service providers. These experienced technical personnel are authorised to provide you with whatever service your Rheem hot water system may require.

										INSTALLATION IN A SINGLE FAMILY DOMESTIC DWELLING					
										TANK		COLLECTORS		COMPONENTS	
MODEL	TANK CAPACITY (LITRES)	CYLINDER TYPE	DIRECT / INDIRECT SYSTEM	FROST PROTECTED	COLLECTORS	HARSH WATER	ELECTRIC BOOST	GAS BOOST (OPTION)		CYLINDER	LABOUR	COLLECTOR	LABOUR	PARTS	LABOUR
RHEEM HILINE® SERIES															
RHEEM HILINE® 52L180	180	SS	Direct	X	NPT200	X	✓	✓		7	3	7	3	1	1
					L	X	✓	✓		10	5	10	5	5	5
					CSA2007	X	✓	✓		10	5	10	5	5	5
RHEEM HILINE® 52L300	300	SS	Direct	X	NPT200	X	✓	✓		7	3	7	3	1	1
					L	X	✓	✓		10	5	10	5	5	5
					CSA2007	X	✓	✓		10	5	10	5	5	5
RHEEM PREMIER HILINE® 52H180	180	SS	Indirect	✓	NPT200	X	✓	✓		7	3	7	3	1	1
					L	X	✓	✓		10	5	10	5	5	5
					CSA2007	X	✓	✓		10	5	10	5	5	5
RHEEM PREMIER HILINE® 52H300	300	SS	Indirect	✓	NPT200	X	✓	✓		7	3	7	3	1	1
					L	X	✓	✓		10	5	10	5	5	5
					CSA2007	X	✓	✓		10	5	10	5	5	5
RHEEM HILINE® 52D180	180	VE	Direct	X	NPT200	X	✓	✓		5	3	5	1	1	1
RHEEM HILINE® 52D300	300	VE	Direct	X	NPT200	X	✓	✓		5	3	5	1	1	1
RHEEM PREMIER HILINE® 52C300	300	VE	Indirect	✓	NPT200	✓	✓	✓		5	3	5	1	1	1
RHEEM LOLINE® SERIES															
RHEEM LOLINE® 5A2325	325	SS	Direct	✓	NPT200	X	✓	✓		7	3	5	3	1	1
					CSA2007					7	3	5	3	1	1
RHEEM LOLINE® 511271 / 511325 / 511410	270 / 325 / 410	VE	Direct	✓	NPT200	X	✓	✓		5	3	5	1	1	1
					CSA2007					5	3	5	1	1	1
RHEEM PREMIER LOLINE® 591270	270	VE	Indirect	✓	SPA2000	✓	✓	X		5	3	5	1	1	1
					CSA2007					5	3	5	1	1	1
RHEEM PREMIER LOLINE® 596270	270	VE	Indirect	✓	SPA2000	✓	✓	X		5	3	5	1	1	1
					CSA2007					5	3	5	1	1	1
										TANK		SEALED SYSTEM (CONTROLLER & HEAT EXCHANGER)		COMPONENTS	
MODEL	TANK CAPACITY (LITRES)	CYLINDER TYPE	DIRECT / INDIRECT SYSTEM	FROST PROTECTED	COLLECTORS	HARSH WATER	ELECTRIC BOOST	GAS BOOST (OPTION)		CYLINDER	LABOUR	SEALED SYSTEM	LABOUR	PARTS	LABOUR
HDi 511310	310	VE	Direct	✓	N/A	X	✓	X		5	3	2	2	1	1
MPi 511325	325	VE	Direct	✓	N/A	X	✓	X		5	3	2	2	1	1

* All continuous flow gas booster system carry a warranty of 10 years supply on heat exchanger, 3 years labour on heat exchanger, 3 years supply and labour on other parts.

TECHNICAL SPECIFICATIONS

RHEEM STAINLESS STEEL HILINE® AND PREMIER HILINE® SOLAR HOT WATER HEATER - ELECTRIC & GAS

	UNIT	STAINLESS STEEL TANK - DIRECT SYSTEM				STAINLESS STEEL TANK - INDIRECT SYSTEM							
		Electric Boost		Gas Boost		Electric Boost		Gas Boost		Electric Boost		Gas Boost	
		52L180/1NPT 52L180/1L 52L180/1CS07	52L180/1NPT-G 52L180/1L-G 52L180/1CS07-G	52L300/2NPT 52L300/2L 52L300/2CS07	52L300/2NPT-G 52L300/2L-G 52L300/2CS07-G	52H180/1NPT 52H180/1L 52H180/1CS07	52H180/1NPT-G 52H180/1L-G 52H180/1CS07-G	52H300/2NPT 52H300/2L 52H300/2CS07	52H300/2NPT-G 52H300/2L-G 52H300/2CS07-G	52H300/3NPT 52H300/3L -	52H300/3NPT-G 52H300/3L-G -		
Booster Type		Electric	Gas - remote	Electric	Gas - remote	Electric	Gas - remote	Electric	Gas - remote	Electric	Gas - remote	Electric	Gas - remote
Boost Capacity	litres	90	26L/min	150	26L/min	90	26L/min	150	26L/min	150	26L/min	150	26L/min
People Per Household		1 to 2	1 to 3	2 to 5	2 to 5	1 to 2	1 to 3	2 to 5	2 to 5	2 to 5	2 to 5	2 to 5	2 to 5
Storage Capacity	litres	180		300		180		300		300		300	
Solar Collectors		1 x NPT200 or 1 x L or 1 x CSA2007		2 x NPT200 or 2 x L or 2 x CSA2007		1 x NPT200 or 1 x L or 1 x CSA2007		2 x NPT200 or 2 x L or 2 x CSA2007		3 x NPT200 or 3 x L			
Dimensions & Specifications													
Height (A)	mm	2560		2560		2560		2560		2560		2560	
Width (B)	mm	1550		2200		1550		2200		3300		3300	
Depth (C)	mm	570		570		570		570		570		570	
Weight Empty - Tank	kg	48		72		53		79		79		79	
Weight Full - Tank	kg	228		377		233		384		384		384	
System Weight - Empty	kg	90		151		94		158		198		198	
System Weight - Full	kg	273		455		280		470		510		510	

RHEEM VITREOUS ENAMEL HILINE® AND PREMIER HILINE® SOLAR HOT WATER HEATER - ELECTRIC & GAS

	UNIT	VITREOUS ENAMEL TANK - DIRECT SYSTEM				VITREOUS ENAMEL TANK - INDIRECT SYSTEM	
		Electric Boost		Gas Boost		Electric Boost	Gas Boost
		52D180/1NPT	52D180/1NPT-G	52D300/2NPT	52D300/2NPT-G	52C300/2NPT	52C300/2NPT-G
Booster Type		Electric	Gas - remote	Electric	Gas - remote	Electric	Gas - remote
Boost Capacity	litres	90	26L/min	150	26L/min	150	26L/min
People Per Household		1 to 2	1 to 3	2 to 5	2 to 5	2 to 5	2 to 5
Storage Capacity	litres	180		300		300	
Solar Collectors		1 x NPT200		2 x NPT200		2 x NPT200	
Dimensions & Specifications							
Height (A)	mm	2480		2480		2480	
Width (B)	mm	1595		2410		2425	
Depth (C)	mm	510		510		510	
Weight Empty - Tank	kg	60		92		110	
Weight Full - Tank	kg	240		392		410	
System Weight - Empty	kg	103		172		190	
System Weight - Full	kg	286		476		505	

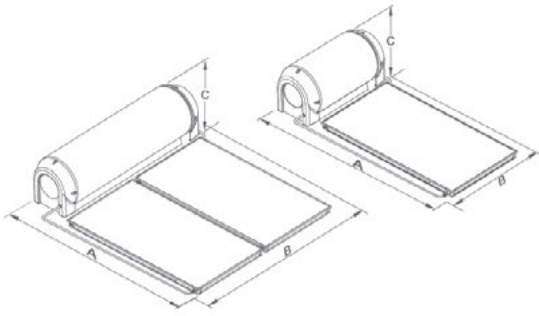
RHEEM PREMIER LOLINE® SOLAR HOT WATER HEATER - VITREOUS ENAMEL

	UNIT	VITREOUS ENAMEL TANK			
		596270/2SP		596270/3SP	
		596270/2CS07	596270/3CS07	591270/2CS07	591270/3CS07
Model - with SPA2000 Collectors		596270/2SP		596270/3SP	
Model - with CSA2007 Collectors		596270/2CS07		596270/3CS07	
Booster Type		Gas - integrated		Electric	
Boost Capacity	litres	270		270	
Storage Capacity	litres	26L/min		125	
Solar Collectors		2 x SPA2000 or 2 x CSA2007	3 x SPA2000 or 3 x CSA2007	2 x SPA2000 or 2 x CSA2007	3 x SPA2000 or 3 x CSA2007
People Per Household		2 to 5	2 to 5	1 to 3	2 to 4
Dimensions & Specifications					
Height (A)	mm	1787		1775	
Width (B)	mm	650		650	
Depth (C)	mm	851		682	
Cold Inlet (D)	mm	800		377	
Hot Outlet (E)	mm	1030		1078	
Weight Empty - Tank	kg	184		163	
Weight Full - Tank	kg	454		433	
Collector Installation Area	m	2.3 x 2	3.4 x 2	2.3 x 2	3.4 x 2
Weight Full - SPA2000 Collectors	kg	104	156	104	156
Weight Full - CSA2007 Collectors	kg	76	114	76	114

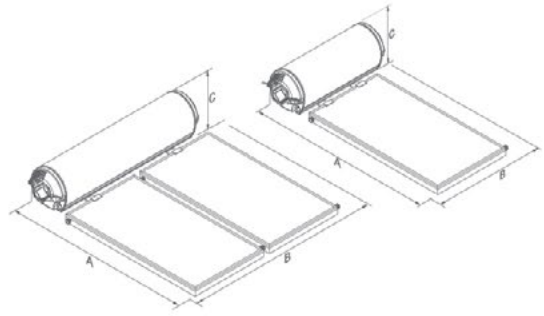
RHEEM LOLINE® SOLAR HOT WATER HEATER - VITREOUS ENAMEL

	UNIT	VITREOUS ENAMEL TANK											
		Electric Boost		Gas Boost		Electric Boost		Gas Boost		Electric Boost		Gas Boost	
		511271/2NPT 511271/3NPT	511271/2NPT-G 511271/3NPT-G	511271/2CS07 -	511271/2CS07-G -	511325/2NPT 511325/3NPT	511325/2NPT-G 511325/3NPT-G	511325/2CS07 -	511325/2CS07-G -	511410/2NPT 511410/3NPT 511410/4NPT	511410/2NPT-G 511410/3NPT-G 511410/4NPT-G	511410/2CS07 511410/3CS07 -	511410/2CS07-G 511410/3CS07-G -
Booster Type		Electric	Gas - remote	Electric	Gas - remote	Electric	Gas - remote	Electric	Gas - remote	Electric	Gas - remote	Electric	Gas - remote
Boost Capacity	litres	140	26L/min	140	26L/min	170	26L/min	170	26L/min	220	26L/min	220	26L/min
People Per Household		1 to 3	2 to 5	1 to 3	2 to 5	2 to 4	2 to 6	2 to 4	2 to 6	3 to 6	3 to 7	3 to 6	3 to 7
Storage Capacity	litres	270		270		325		325		410		410	
Solar Collectors		2 x NPT200 or 3 x NPT200		2 x CSA2007		2 x NPT200 or 3 x NPT200		2 x CSA2007		2 x NPT200 or 3 x NPT200 or 4 x NPT200		2 x CSA2007 or 3 x CSA2007	
Dimensions & Specifications													
Height (A)	mm	1395		1395		1640		1640		1840		1840	
Width (B)	mm	640		640		640		640		690		690	
Depth (C)	mm	680		680		680		680		730		730	
Cold Inlet (D)	mm	73		73		73		73		81		81	
Hot Outlet (E)	mm	1117		1117		1357		1357		1519		1519	
Weight Empty - Tank	kg	82		82		92		92		115		115	
Weight Full - Tank	kg	352		352		418		418		525		525	
Installation Area													
- 2 x Collectors	m	2.3 x 2		2.3 x 2		2.3 x 2		2.3 x 2		2.3 x 2		2.3 x 2	
- 3 x Collectors	m	3.4 x 2		-		3.4 x 2		-		3.4 x 2		3.4 x 2	
- 4 x Collectors	m	-		-		-		-		4.5 x 2		-	
Weight Full													
- 2 x Collectors	kg	80		76		80		76		80		76	
- 3 x Collectors	kg	120		-		120		-		120		114	
- 4 x Collectors	kg	-		-		-		-		160		-	

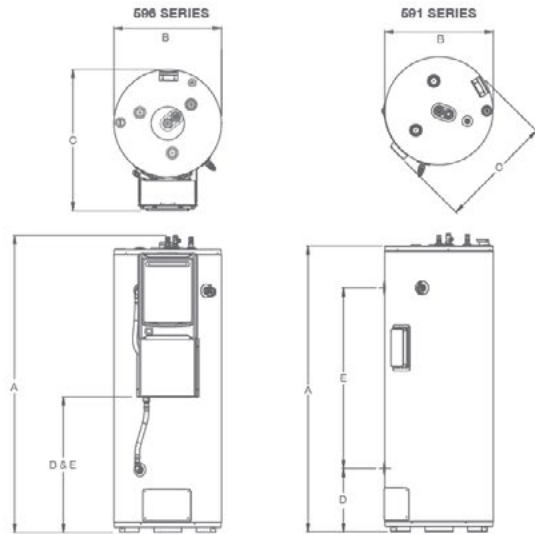
RHEEM PREMIER HILINE® SOLAR HOT WATER HEATER



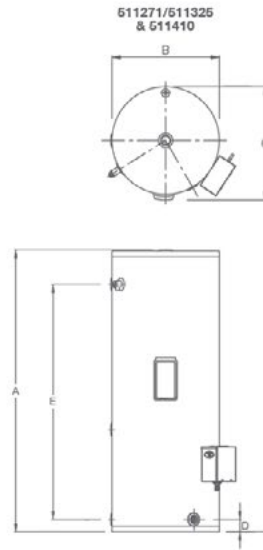
RHEEM HILINE® SOLAR HOT WATER HEATER



RHEEM PREMIER LOLINE® SOLAR HOT WATER HEATER



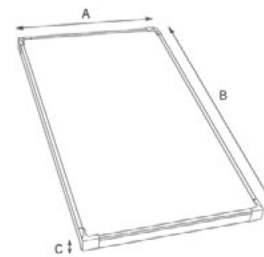
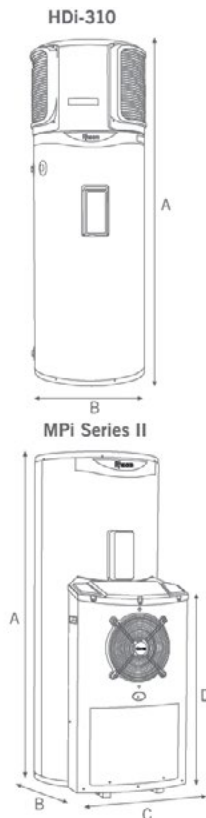
RHEEM LOLINE® SOLAR HOT WATER HEATER



RHEEM HEAT PUMPS

MODEL	UNIT	HDI-310	MPI-325	
Product Code		551310	551325	
RheemPlus®				554325
Number of People (Moderate Climate)		3-6	2-5	2-5
Dimensions				
Height	mm			
Module: D	mm	N/A	1018	1018
Tank: A	mm	1870	1631	1636
Width B	mm	670	894	1073
Depth C	mm	679	638	638
Weight				
Heat Pump module	kg	48	42	42
Tank	kg	87	88	90
Technical				
Capacity	litres	310	325	325
Power input	W	1300	800	800
Refrigerant		R134a	R134a	R134a
Element Sizes	kW	3.6	3.6	3.6
Boost Capacity	litres	220	180	180
Water Connections & Settings				
Inlet	Rp	¾	¾	¾
Outlet	Rp	¾	¾	¾
Tank Relief Valve Setting	kPa	1000	1000	1000
ECV Setting	kPa	850	850	850
Maximum Mains Pressure				
With ECV	kPa	680	680	680
Without ECV	kPa	800	800	800
Min. Water Supply Pressure	kPa	200	200	200

RHEEM SOLAR COLLECTORS



ADDITIONAL INFORMATION

WATER CHEMISTRY – GOOD AND HARSH WATER CONDITIONS

Rheem water heaters are manufactured to suit the water conditions of most public reticulated water supplies. However, there are some known water chemistries which are harsh and can have detrimental effects on the water heater and its operation and / or life expectancy. That's why we have a range of stainless steel and vitreous enamel lined water heaters, along with direct and indirect systems to cover this eventuality.

A list of postcodes is available on the Rheem website (www.rheem.com.au) indicating known areas where the stainless steel cylinder is not covered by the Rheem warranty due to the water chemistry of the area. The list is not necessarily exhaustive and there may be areas outside of these postcodes where the stainless steel cylinder is not covered by the Rheem warranty due to the water chemistry of the area. Speak with your Rheem Solar Specialist.

Speak with your Rheem Solar Specialist as to which model water heater is most suited for your area.

HOW MUCH ENERGY WILL I SAVE WITH MY SOLAR OR HEAT PUMP WATER HEATER

The energy savings achieved from installing a Rheem solar or heat pump water heater will vary depending upon several factors. These include your location, type of Rheem system installed, orientation and inclination of the solar collectors, type of water heater being replaced and your hot water consumption. Financial savings will depend on your fuel tariff of the water heater being replaced and the solar or heat pump water heater installed with maximum financial savings off your hot water bill being achievable when replacing an electric water heater on continuous tariff.

Energy savings figures published are based on Australian Government approved TRNSYS computer simulation modelling of the solar and heat pump water heater model, using a medium load in climate Zone 3 and apply when replacing an electric water heater. A medium load represents the average hot water consumption of an average size family. The geographical area of Zone 3 is shown on the Zone map on page 3.

SMALL-SCALE TECHNOLOGY CERTIFICATES

Small-scale Technology Certificates (STCs) provide a financial benefit to encourage the installation of solar water heaters provided under a Federal Government legislated scheme. STCs can be created for eligible solar water heater installations. One STC is equivalent to one megawatt hour (MWh) of electricity displaced by an eligible system, over a ten-year period.

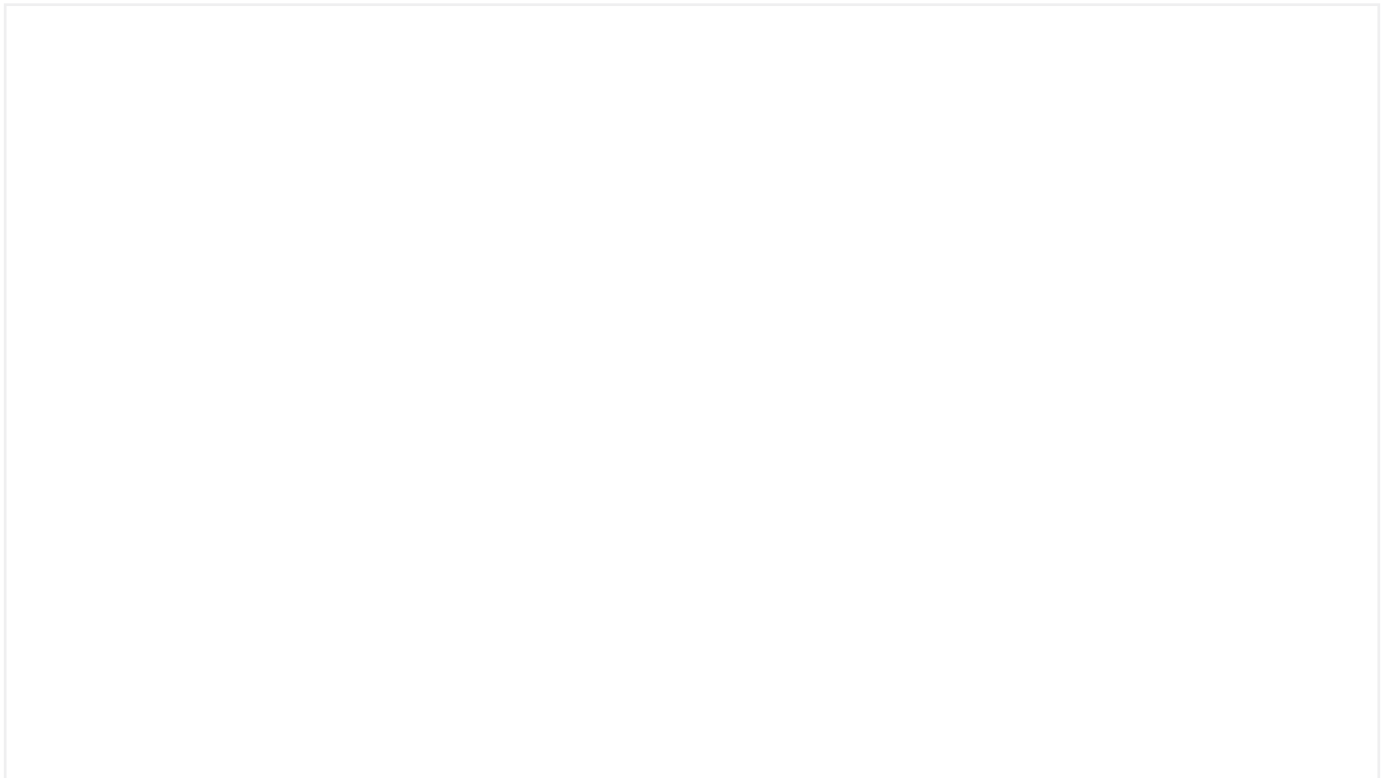
To find out more about eligibility criteria visit www.rheem.com.au/rebates



www.solar.rheem.com.au

FOR A FREE IN-HOME CONSULTATION CALL YOUR NEAREST
RHEEM SOLAR SPECIALIST ON **1300 786 747**

Your local Rheem Solar Specialist:



Rheem Australia Pty Ltd.

1 Alan Street, Rydalmere, NSW 2116, Australia
Australia PO Box 7508, Silverwater, NSW 2128, Australia
www.rheem.com.au

® Registered trademark of Rheem Australia Pty Ltd.

® COLORBOND and ZINCALUME are registered trademarks of BlueScope Steel Limited





Rheem Australia Pty Ltd

Head Office

1 Alan Street
Rydalmere NSW 2116
Australia

Postal

PO Box 7508
Silverwater NSW 2128
Australia

National Sales Phone: 132 552

National Service Phone: 131 031

www.rheem.com.au

© Registered Trademark of Rheem Australia Pty Ltd
TM Trademark of Rheem Australia Pty Ltd

ABN 21 098 823 511