



# SOLAR RHEEM PREMIER

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

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

We advise that all solar water heating systems be backed up with an alternative heating system, either electric element or gas continuous flow - natural gas or LPG. 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 Premier Solar

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

People 1 - 7	270L	Indoor/Outdoor
Refer to page 31 for full specifications		

See [www.niwa.co.nz](http://www.niwa.co.nz) for the sunshine hours in your area.



PREMIER SOLAR

Models	
Electric / 2 Collectors	A591270/2T
Electric / 3 Collectors	A591270/3T
Gas Boost / 2 Collectors	A591270/2TGL/2TGN (LPG/Natural Gas)
Gas Boost / 3 Collectors	A591270/3TGL/3TGN (LPG/Natural Gas)
Storage Capacity	270 Litres
Roof Space Required	
- 2 Collector	2.4m x 2.0m
- 3 Collector	3.6m x 2.0m
Dimensions - Cylinder	H 1701mm x D 648mm
Weight Empty - Cylinder	146kg
Weight Empty - Collector	48kg
Temperature Pressure Relief Valve Setting	1000kPa
Expansion Control Valve (ECV) Setting	850kPa
Minimum Supply Pressure	150kPa (Gas boosted only)
Water Connections	
- Inlet	¾ /20 BSPF
- Outlet Tempered	¾ /20 BSPF
- Gas	¾ /20 BSPM
- Solar Flow and Return	½ /15 BSPM

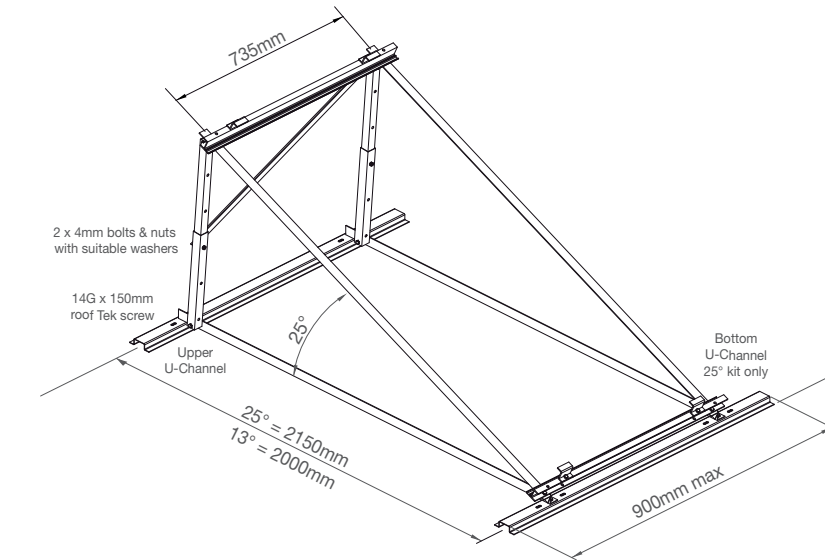
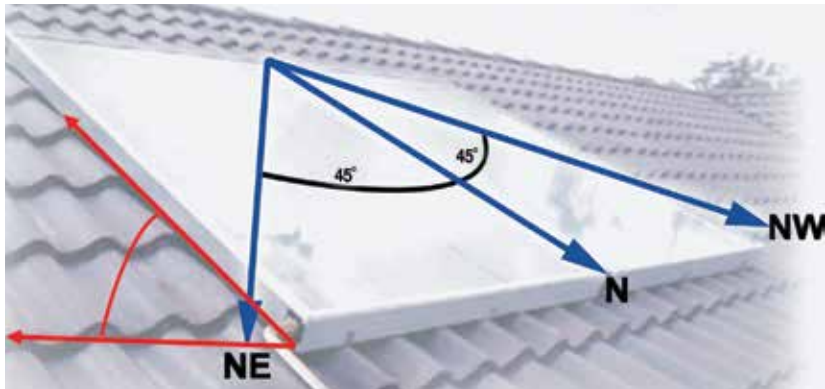
Sizing Guide	Zone	People	
Boosting Type		Gas	Electric
Moderate Climate	1	2 - 6	1 - 3
Cold Climate	2	2 - 5	1 - 3

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

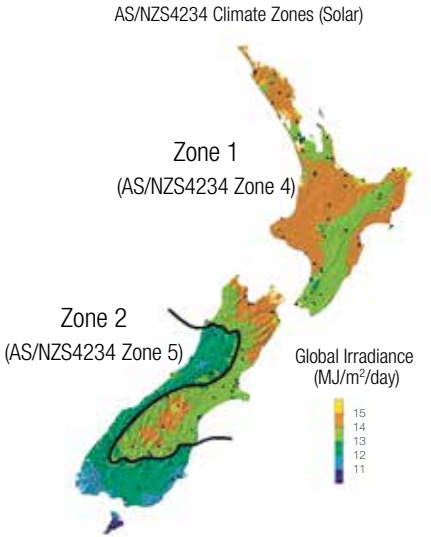
Boost Specifications	
Electric Supply Voltage	Volts 220-250
Available in 3.6kW (15 amp)	
Gas Input - Natural Gas	MJ / hr 205
Available in Natural Gas and LPG	

Solar Ready MPVE* Storage Tanks- Non-Coiled			
Model	A51127007	A51134007	A51143007
Storage Capacity	270L	340L	430L
Boost Volume (L) 3.6kW Element	160	200	285
Height x Width (mm)	1395 x 638	1640 x 638	1836 x 686
Weight Empty (kg)	70	87	111

\*Mains Pressure Vitreous Enamel



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



# WARRANTY\*

## YOU'RE COVERED

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

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

### Domestic Only

#### Rheem Heat Pump

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

#### Rheem Solar

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

#### Rheem Optima

10 years cylinder, 5 years cylinder labour,  
3 years parts and labour.

#### Rheem Mains Pressure Gas

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

#### Rheem Mains Pressure Electric Stainless Steel

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

#### Rheem Mains Pressure Electric (VE)

7 years cylinder, 3 years cylinder labour,  
1 year parts and labour.

#### Rheem Low Pressure Copper (inc. Dairy)

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

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

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

#### Rheem Low Pressure VE (Vitreous Enamel)

7 years cylinder, 3 year cylinder labour,  
1 year parts and labour.

#### Rheem Stellar

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

#### Rheem Continuous Flow

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

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

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

\*Excludes Chiller

#### On-Tap Chiller

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

#### Zip®

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

For Raypak® and Rheem Commercial Warranty information call 0800 657 336 or visit [www.rheem.co.nz](http://www.rheem.co.nz)

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

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

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