PREMIER LOLINE SOLAR®

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 CSA2007 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 (low solar gain) 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.

Premier Loline Solar®
• Cut hot water heating costs by up to 70% • Drain Back protection • Electric boost as standard, gas boost is optional • Overheat protection built-in • Cylinder 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.

PREMIER LOLINE SOLAR®

Models	
Electric / 2 Collectors	A591270/2C
Electric / 3 Collectors	A591270/3C
Gas Boost / 2 Collectors	A591270/2CGL/2CGN (ULPG/Natural Gas)
Gas Boost / 3 Collectors	A591270/3CGL/3CGN (ULPG/Natural Gas)
Storage Capacity	270 Litres
Roof Space Required - 2 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 TPR 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

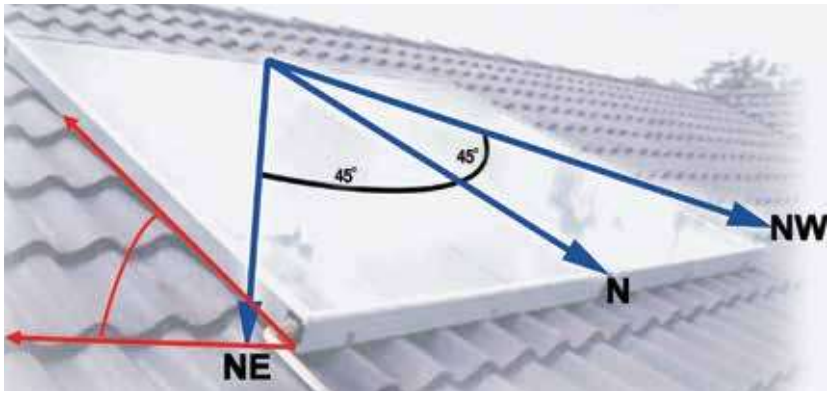
Sizing Guide	Zone	People	
Boosting Type		Gas	Electric
Moderate Climate	1	2 - 6	1 - 3
Cold Climate	2	2 - 5	1 - 3

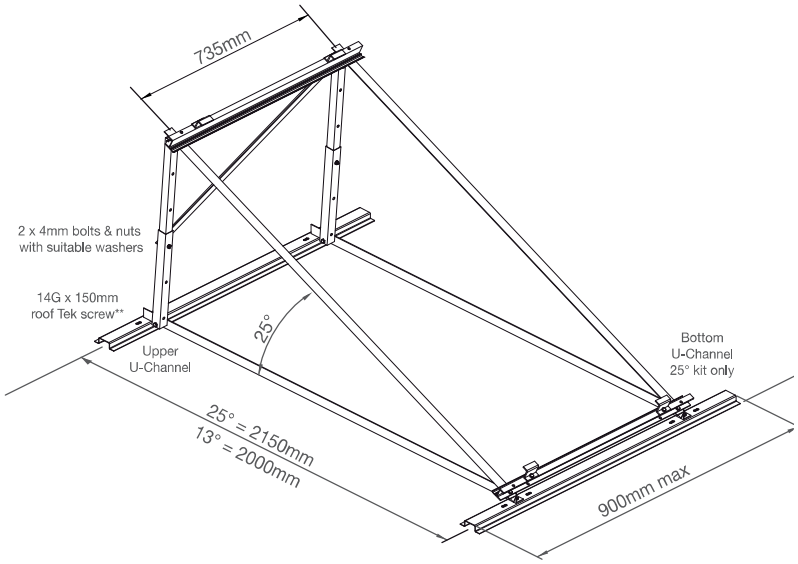
Recommended Minimum Panel Inclination Angles					
Auckland	20°	Hamilton	22°	Wellington	25°
Christchurch	30°	Dunedin	35°	Invercargill	37°

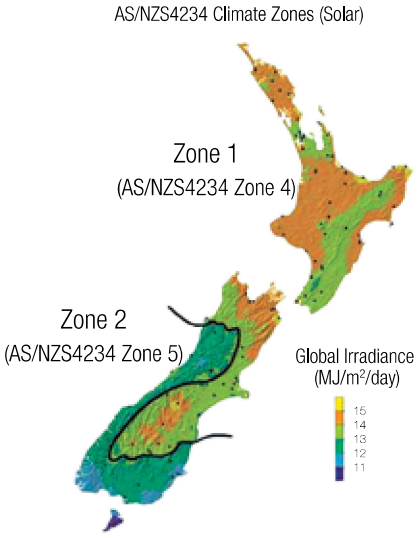
Boost Specifications		
Electric Supply Voltage		Volts 220-250
Available in 3.6kW (15 amp)		
Gas Input - Natural Gas	MJ/hr	205
Available in Natural Gas and ULPG		

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

*Mains Pressure Vitreous Enamel







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