



Government
Rebates Available

[▶ DETAILS INSIDE](#)

SOLAR HEAT PUMPS

Innovative, Energy Efficient Water Heating Technology

FEATURES

GMO Domestic and Commercial Heat Pumps



Suitable for use in harsh water quality conditions

The water does not make contact with any operational components, only the inner lining of the tank.



No booster element

GMO heat pumps operate in ambient temperatures as low as -10°C . No booster element, means less energy consumption.



Low noise rating

Ultra quiet operation as low as 48dB – less than an average split system air conditioner.



Government rebates

Eligible installations attract a substantial energy efficiency cash rebate.



Solar without the panels

Hot water from solar energy, without the need for direct sunlight or roof panels. Heat pumps generate hot water day and night.



Patented Tank Wrap™ design

GMO's patented wrap design offers one of the fastest hot water recovery rates in the heat pump market.



Easy installation

A compact design resulting in reduced labour and installation costs.



Save on power bills

Can cut up to 70% of running costs compared to some electric storage units.



DOMESTIC

Solar Heat Pumps

An extensive range of heat pumps for residential use.

DOMESTIC Features

- ✓ Compact design with integrated refrigeration unit
- ✓ Energy efficient hot water production that reduces energy use and greenhouse gas emissions†
- ✓ Easy installation
- ✓ Rebates available
- ✓ Designed and manufactured to Australian Standards
- ✓ Warranty
5 years tank, 2 years electric and refrigeration inclusive of parts and labour

150L Solar Heat Pump Model: 150-08AC6-290



SMALL
150
LITRE



200L Solar Heat Pump Model: 200-08AC6-290



MEDIUM
200
LITRE



Storage Size	150 L	200 L
Rated Delivery	130 L	175 L
Heating Output	3.61 kW	3.61 kW
Power Input	0.84 kW	0.84 kW
COP of Heating*	4.3	4.3
Compressor	Rotary	Rotary
Refrigerant	R290	R290
Electrical Supply	220-240V/50Hz/1Ph	220-240V/50Hz/1Ph
Circuit	10 Amps	10 Amps
Water Connections	3/4" BSP	3/4" BSP
PTR Valve Setting	850 kPa	850 kPa
ECV Setting	700 kPa	700 kPa
PLV Without ECV Fitted	500 kPa	500 kPa
PLV With ECV Fitted	300-500 kPa	300-500 kPa
Operating Sound Level**	50 dBA	50 dBA
Dimensions (Height x Diameter)	1620 mm x 540 mm	1950 mm x 540 mm
Nett (Empty) Weight	115 kg	115 kg
Ambient Operating Temperature	-10 °C to +35 °C	-10 °C to +35 °C
Water Temperature Setting	60 °C	60 °C
Hot Water Production Rate*	72 L/hr	72 L/hr

*At an ambient temperature of 20°C. **At a height of 1.5 m above ground level. †Compared to traditional electric hot water storage units – Heat pump efficiency will vary by installation location.

270L Solar Heat Pump
Model: 270-08AC6-290



REGULAR
270
LITRE



270 L

250 L

3.81 kW

0.84 kW

4.53

Rotary

R290

220-240V/50Hz/1Ph

10 Amps

3/4" BSP

850 kPa

700 kPa

500 kPa

300-500 kPa

48 dBA

1900 mm x 650 mm

135 kg

-10 °C to +35 °C

60 °C

75 L/hr

340L Solar Heat Pump
Model: 340-08AC6-290



LARGE
340
LITRE



340 L

315 L

3.81 kW

0.84 kW

4.53

Rotary

R290

220-240V/50Hz/1Ph

10 Amps

3/4" BSP

850 kPa

700 kPa

500 kPa

300-500 kPa

48 dBA

2200 mm x 650 mm

170 kg

-10 °C to +35 °C

60 °C

75 L/hr

Platinum 270L Solar Heat Pump
Model: 270-08AS6-290



REGULAR
270
LITRE



270 L

250 L

3.81 kW

0.84 kW

4.53

Rotary

R290

220-240V/50Hz/1Ph

10 Amps / 15 Amps

3/4" BSP

850 kPa

700 kPa

500 kPa

300-500 kPa

48 dBA

1425 mm x 650 mm

85 kg + 40 Kg

-10 °C to +35 °C

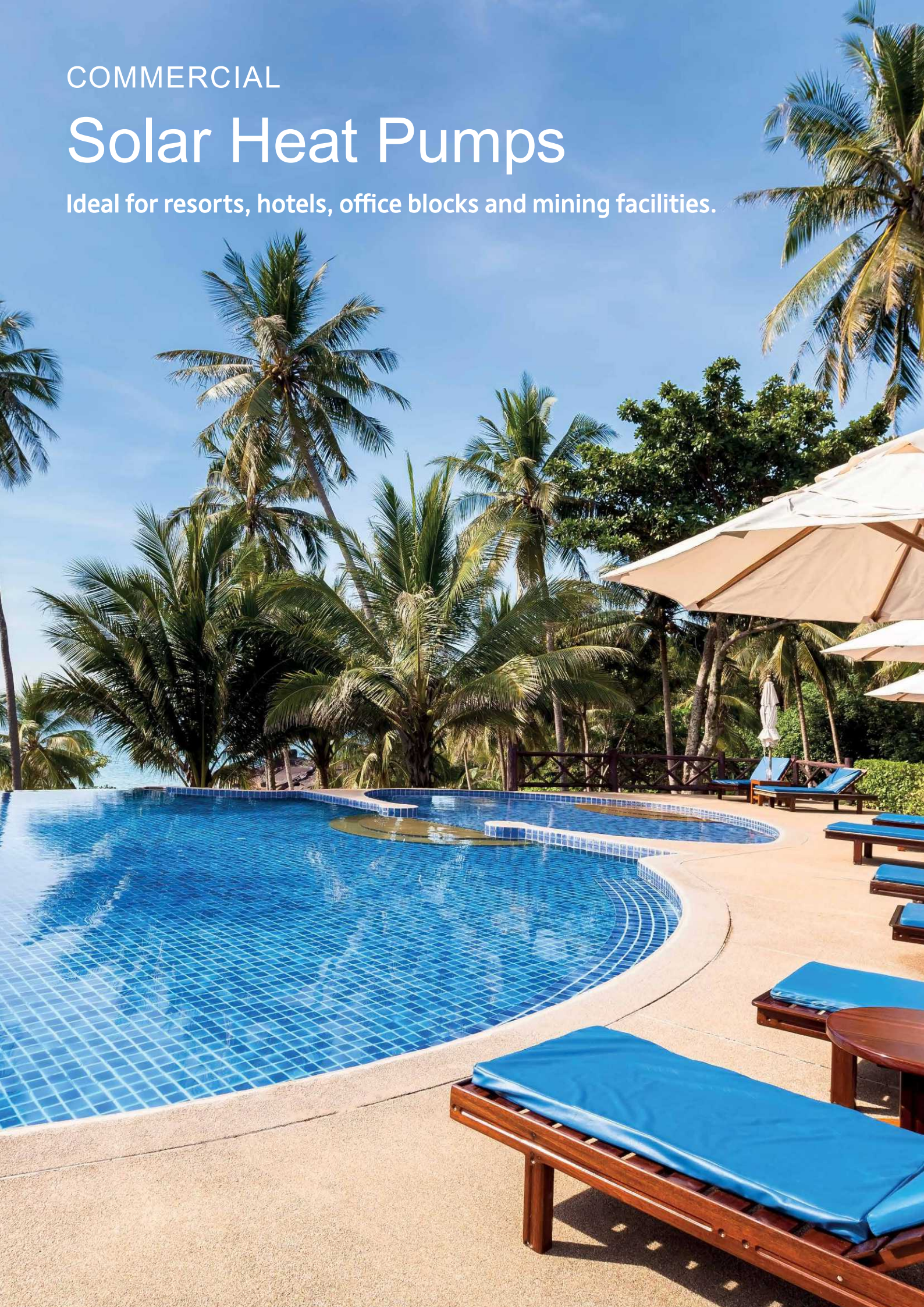
60 °C

75 L/hr

COMMERCIAL

Solar Heat Pumps

Ideal for resorts, hotels, office blocks and mining facilities.



COMMERCIAL Features

- ✓ Compact design with integrated refrigeration unit or split system option
- ✓ Energy efficient hot water production that reduces energy use and greenhouse gas emissions†
- ✓ Easy installation
- ✓ Rebates available
- ✓ Designed and manufactured to Australian Standards
- ✓ Warranty
5 years tank, 2 years electric and refrigeration inclusive of parts and labour

Titan 340L Solar Heat Pump Model: 340-17ACW-134



Titan 340L Split System Model: 340-17ASW-134



Evaporator may be remotely installed up to 8m from the tank.

Storage Size	340 L
Rated Delivery	315 L
Heating Output	6.22 kW
Power Input	1.66 kW
COP of Heating*	3.57
Compressor	39cc Rotary
Refrigerant	R134a
Electrical Supply	220-240V/50Hz/1Ph
Circuit	15 Amps
Water Connections	3/4" BSP
PTR Valve Setting	850 kPa
ECV Setting	700 kPa
PLV Without ECV Fitted	500 kPa
PLV With ECV Fitted	300-500 kPa
Operating Sound Level**	58 dBA
Dimensions (Height x Diameter)	2300 mm x 650 mm
Nett (Empty) Weight	180 kg
Ambient Operating Temperature	-10 °C to +35 °C
Water Temperature Setting	60 °C
Hot Water Production Rate*	134 L/hr

Storage Size	340 L
Rated Delivery	315 L
Heating Output	6.22 kW
Power Input	1.66 kW
COP of Heating*	3.57
Compressor	39cc Rotary
Refrigerant	R134a
Electrical Supply	220-240V/50Hz/1Ph
Circuit	15 Amps
Water Connections	3/4" BSP
PTR Valve Setting	850 kPa
ECV Setting	700 kPa
PLV Without ECV Fitted	500 kPa
PLV With ECV Fitted	300-500 kPa
Operating Sound Level**	58 dBA
Dimensions (Height x Diameter)	2300 mm x 650 mm
Nett (Empty) Weight	180 kg
Ambient Operating Temperature	-10 °C to +35 °C
Water Temperature Setting	60 °C
Hot Water Production Rate*	134 L/hr

Storage Size	340 L
Rated Delivery	315 L
Heating Output	6.22 kW
Power Input	1.66 kW
COP of Heating*	3.74
Compressor	39cc Rotary
Refrigerant	R134a
Electrical Supply	220-240V/50Hz/1Ph
Circuit	15 Amps
Water Connections	3/4" BSP
PTR Valve Setting	850 kPa
ECV Setting	700 kPa
PLV Without ECV Fitted	500 kPa
PLV With ECV Fitted	300-500 kPa
Operating Sound Level**	58 dBA
Dimensions (Height x Diameter)	2110 mm x 650 mm
Nett (Empty) Weight	165 kg + 35 kg
Ambient Operating Temperature	-10 °C to +35 °C
Water Temperature Setting	60 °C
Hot Water Production Rate*	134 L/hr

*At an ambient temperature of 20°C. **At a height of 1.5 m above ground level.

†Compared to traditional electric hot water storage units – Heat pump efficiency will vary by installation location.

How Does it Work?

A simple concept, brilliantly executed. The GMO Solar Heat Pump works on a patented refrigeration principle similar to that found in an air conditioner, or refrigerator – but in reverse.

A traditional solar hot water service typically consists of collector panels or tubes fitted to your roof which water flows through and then into a storage tank. This service relies on the sun and in Australia can provide between 50-90% of hot water for your home³, an electric 'booster element' kicking in to cover any shortfall.

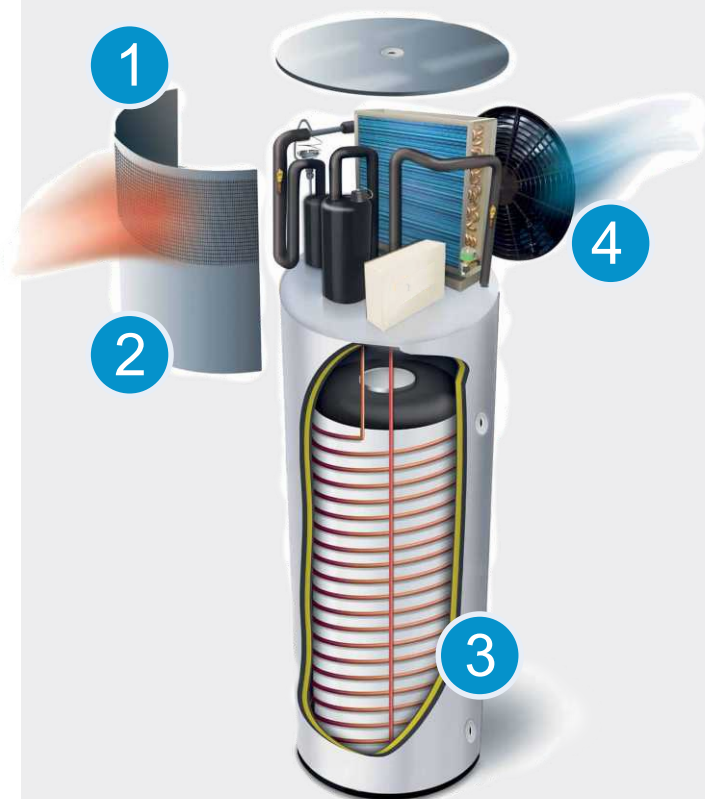
A GMO Solar Heat Pump however makes use of the heat in the ambient air around the system, and a reverse refrigeration process to heat the water. This means the sun doesn't need to be shining, and what's more, it's so efficient that it can provide reliable hot water 24 hours a day, even in temperatures as low as -10°C with no booster element.

Did you know?

A GMO heat pump will cost just a fraction to run when compared to other traditional forms of water heating – representing a significant financial benefit as well as reducing greenhouse gas emissions and the environmental footprint of your home.

HOW IT WORKS

Solar Energy From the Air



- 1 Sun heats the air**
Heat pumps rely on ambient air temperature rather than incidental sunshine. Utilising refrigeration principles, GMO Heat Pumps can extract heat from the air without the need for direct sunlight, and can produce hot water in rain, hail or shine – without the need for a booster element.
- 2 Energised air inducted into heat pump**
Once the air is drawn into the heat pump, it passes over an evaporator containing a refrigerant which boils at a very low temperature. The boiling refrigerant is then compressed causing its' temperature to be raised even further – transforming it into a super-heated vapour.
- 3 Energy transferred to heat cold water**
Using GMO's patented Tank Wrap™ technology, this super-heated vapour is fed through copper coils (condenser) wrapped around the outside of the water tank, heating the water evenly and efficiently from the outside in.
- 4 Cold air expelled**
Once the heat has been extracted from the air and transferred to the water, the remaining cold air is discharged from the heat pump by fan. Once the desired water temperature is reached, the system will go into energy-saving standby mode until it is required to commence heating again.



PRODUCT SPECIFICATIONS
Hot Water Efficiency

Hot Water Production Rate (COP)

Ambient Air Temperature	Hot Water Production Rate, Litres per Hour (COP)						
	150L	200L	270L	340L	Platinum 270L	340L	340L Split
	150-08AC6-290	200-08AC6-290	270-08AC6-290	340-08AC6-290	270-08AS6-290	340-17ACW-134	340-17ASW-134
35 °C	110 L/hr (5.55)	110 L/hr (5.55)	113 L/hr (5.75)	113 L/hr (5.75)	113 L/hr (5.75)	199 L/hr (5.30)	199 L/hr (5.30)
30 °C	98 L/hr (5.12)	98 L/hr (5.12)	102 L/hr (5.42)	102 L/hr (5.42)	102 L/hr (5.42)	177 L/hr (4.69)	177 L/hr (4.69)
25 °C	85 L/hr (4.73)	85 L/hr (4.73)	89 L/hr (4.98)	89 L/hr (4.98)	89 L/hr (4.98)	154 L/hr (4.09)	154 L/hr (4.09)
20 °C	72 L/hr (4.30)	72 L/hr (4.30)	75 L/hr (4.53)	75 L/hr (4.53)	75 L/hr (4.53)	131 L/hr (3.57)	131 L/hr (3.57)
15 °C	58 L/hr (3.88)	58 L/hr (3.88)	61 L/hr (4.08)	61 L/hr (4.08)	61 L/hr (4.08)	109 L/hr (3.03)	109 L/hr (3.03)
10 °C	48 L/hr (3.45)	48 L/hr (3.45)	51 L/hr (3.64)	51 L/hr (3.64)	51 L/hr (3.64)	90 L/hr (2.53)	90 L/hr (2.53)
5 °C	38 L/hr (3.03)	38 L/hr (3.03)	42 L/hr (3.19)	42 L/hr (3.19)	42 L/hr (3.19)	73 L/hr (2.09)	73 L/hr (2.09)
0 °C	31 L/hr (2.60)	31 L/hr (2.60)	33 L/hr (2.75)	33 L/hr (2.75)	33 L/hr (2.75)	59 L/hr (1.71)	59 L/hr (1.71)
-5 °C	26 L/hr (2.18)	26 L/hr (2.18)	29 L/hr (2.30)	29 L/hr (2.30)	29 L/hr (2.30)	51 L/hr (1.50)	51 L/hr (1.50)
-10 °C	24 L/hr (1.75)	24 L/hr (1.75)	26 L/hr (1.86)	26 L/hr (1.86)	26 L/hr (1.86)	45 L/hr (1.34)	45 L/hr (1.34)



GMO

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AS2712 LIC.2650
SAI GLOBAL



AS3498 WMKA2531
SAI GLOBAL

Warranty

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

Tasman Sinkware

Under its policy of ongoing product development, Tasman Sinkware may from time to time change product specification without notice. **WARNING:** Products in this brochure and all literature pertaining to, are subject to Intellectual Property Protection. All dimensions given are approximate and should be checked prior to installation.