

SOLAR PLACEMENT

POOL SOLAR HEATING SPECIALISTS	Project Title:				
	Drawing Title:				
	Drawing No.	Date: 11 July 2020	Drawn: JW	Opproved:	All dimension in mm unless otherwise stated. DO NOT SCALE.





Solar heating performance

Roof surface area ratio to pool size Pool covered - Thermal blanket 30 Degree target temp



Solar heating performance

- Ambient water temp
- Solar temp Actual, average temp per month 200% surface area
- Solar temp Actual, average temp per month 100 150% surface area



Pool heating cost to run

30sqm pool Pool covered - Thermal blanket 200% surface area coverage 30 Degree target temp



Solar cost to run per year \$330

Heat pump cost to run \$5200, approx same output as solar

Solar heating - Cost to run per month to achieve target temp

Heat pump - Cost to run per month to achieve target temp



Approx Roof temp max readings

Based on historical performance Max roof temp readings Based on Auckland



Solar heating performance

Roof temp



SUNBATHER SOLAR

A clever sustainable energy source

40KW

200% surface area, solar output

\$350 Cost to run solar system, per se

Cost to run solar system, per season

2.5 YEAR

Pay back, cost to run heat pump vs solar installation*

* 30 sqm solar heating system



SUNBATHER SOLAR

A clever sustainable energy source

9 MONTH

Solar swim season Sept - May

10 YEAR

Unconditional warranty

200%

Solar collector ratio



SUNBATHER SOLAR

Cost savings vs heat pump 20 year period

\$90,000 Cost to run heat pump every 20 years (Average*)

7 YEAR

Replace heat pump appliance every 7 year average

\$4500 Cost to run solar 20 years (Average*)

30 degree target, season Aug - May, pump running 12hr min*



Pay back over time on solar vs cost to run heat pump

Roof surface area ratio larger than pool surface area Pool covered - Thermal blanket 30 Degree target temp

Runnning heat pump pay back over time Replace appliance every 7 year average



20 year period/ savings





Sustainability - Climate Care Certified

Sunbather's dedication to water and energy conservation has again been recognised with more Climate Care Certifications.

Our Thermal Covers have been certified for some time and now, we are proud to announce that our Flexible Strip Solar, Suntube-2 Rigid Panels and our Automatic Security Covers have been awarded this significant accreditation.

At Sunbather, our focus remains on reducing our pool owner's water and energy consumption, and as a bonus, reducing their costs!

About Climate care certified

The Climate Care Certified Program (CCC) verifies and promotes the sustainability of products, systems and installations used in residential and commercial environments. The Climate Care Certified Program aims to recognise and promote sustainability in products, systems, and installations used in both residential and commercial settings.

This program was originally developed for the swimming pool and spa industry, but has since expanded to include other sectors such as backyard and lifestyle businesses.

To ensure impartiality, the Climate Care Certified program utilises independent third parties to evaluate and grant certification to applicants. The certification panel is made up of individuals who are highly regarded as experts in their field and hold no conflicts of interest.

Through the Climate Care Certified program, businesses and homeowners are rewarded for choosing environmentally sustainable products, services, and installations that contribute to positive and sustainable lifestyles. Certification signifies that a product, service, or installation meets the highest standards in sustainability, particularly in regards to water consumption, energy efficiency, noise reduction, and innovative solutions.

By obtaining Climate Care Certified status, participants can promote their products, services, and installations as being approved by an industry-recognised, environmentally sustainable program.



Solar heating doesnt work!



18 Aug 2023 200% 1 Sept 2023 200% 24 Oct 2023 200%