

SOLAR AERATOR

TSG500B

The TSG500B solar aerator utilises the latest in brushless direct current motor technology. This allows the aeration system to have programmable gearing for optimum airflow to the corresponding depth. The brushless programmable technology has allowed the compressor to operate at a maximum pressure of 15psi. This pressure allows air to be displaced at depths of up to 8 metres. The brushless technology is designed for continuous operation, with minimal maintenance to the air compressor. The system also uses a specialised solar regulator that is designed to track the peak solar power from the panels, and efficiently distribute the power to the motor.

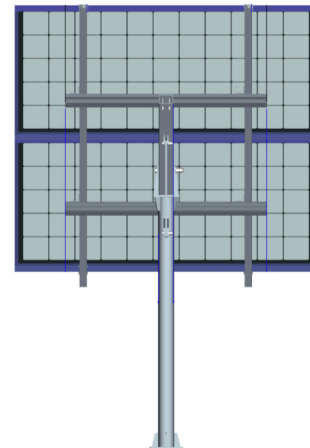


PERFORMANCE SPECIFICATIONS

AC Voltage (Nominal)	240 V (AC)
Input Voltage (Nominal)	24 V (DC)
Feed-In Type	Single Phase
Grid Frequency	50 Hz
Airflow Output	70 LPM
Motor Type	Twin-piston
Solar System Power	500 W
Motor Power	100 W
Motor Protection	Thermal safety switch
Max Motor Pressure	10 PSI

ENVIRONMENTAL SPECIFICATIONS

Operating Temp	-20°C to 50°C
Opt Operating Temp	0°C to 30°C
Maximum Depth	8 metres



SYSTEM COMPONENTS

2 x 250 W Solar Panels
Solair Brushless DC Compressor
Solair Solar Controller
Hot Dip Galvanised Solar Frame
Waterproof Control Box
100 aH Deep Cycle AGM Battery

MECHANICAL SPECIFICATIONS

Dimensions	2.00 m x 1.60 m x 1.85 m
Weight	120 kg
Mounting options	Floor

LIST OF INCLUSIONS

AIR STATIONS



- Self-cleaning
- Non-clogging
- Self-weighted
- Micro-bubble diffusion
- High Oxygen transfer

SINKING TUBE



- Self-weighted
- 13mm I.D.
- Fishhook resistant
- Will not kink or break in water
- 50m rolls

MANIFOLD



- 4-valve adjustable aluminium manifold
- Male Hose-barb Connector 1/2"

PIPE FITTINGS



- 1/2" hose clamps