

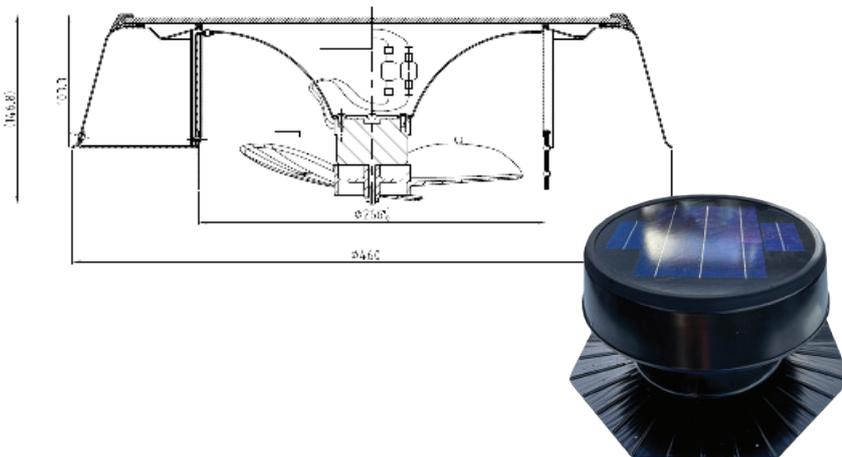
## Product: V-Aero 250

Solatube was first to introduce a solar powered roof ventilator in Australia, and we've been cooling homes for over 20 years in the harshest climates throughout the continent.

The latest model in the roof ventilation range from Solatube, the V-Aero 250, uses an innovative V shape design which provides increased airflow over standard flat cawling designs by reducing back pressure above the fan. It's compact design packs a powerful punch for smaller and separated roof spaces. The V-Aero 250 is also a great option for properties with a bushfire rating requiring BAL compliance.

It is well documented that a poorly ventilated roof can increase heating and cooling costs, contribute to dangerous mould and accelerate deterioration of insulation and structural components.

Temperatures inside a roof with inadequate ventilation can reach as high as 60°C. Heat trapped in the roof acts like a heat sink which can eventually penetrate insulation layers and radiate heat into the interior, making air conditioning units work harder and using more energy. Solatube solar roof ventilators will effectively reduce the heat load, and remove moisture and condensation trapped inside the roof.



### TECHNICAL SPECIFICATIONS

 **Airflow:**  
450 m<sup>3</sup>/h

 **Motor:**  
Whisper quiet, brushless DC

 **Solar panel type:**  
Advanced monocrystalline

 **Solar panel output:**  
10W

 **Fan:**  
3-wing, 230mm diameter, canted polymeric fan blade designed for high airflow and low noise. Corrosion resistant.

 **Sound rating:**  
40dB at 1 meter

 **Bushfire Compliance:**  
Accessory kits available for bushfire compliance up to BAL 29

 **Flashing:**  
Tailored roof flashings to suit individual roof profiles

 **Construction:**  
1mm thick e-coated steel sheet

 **Warranty:**  
2 year warranty on solar panel and motor  
5 year warranty on all other components

### Manufacturer's Residential Quantity Recommendation

1 x V-Aero 250\* for up to 100m<sup>2</sup> of roof area. For optimal performance position on northern side of roof.

\*calculated to meet a minimum of 5 recommended air exchanges, using a ceiling to ridge height of 1.8m

#### Additional units may be required if:

- extracting air from inside the home through ceiling vents
- roof pitch is over 25°
- overshadowing or southern aspect location

**Air intakes** – for every 50m<sup>2</sup> of roof area, minimum 0.035m<sup>2</sup> size vents

### Bushfire Compliance

The V-Aero 250 and flashings are made from metal (non-combustible) with a stainless steel 2mm x 2mm mesh grille fitted to prevent burning ambers entering the roof cavity and complies up to BAL 29 as outlined in the Bushfire standards AS 3959.