

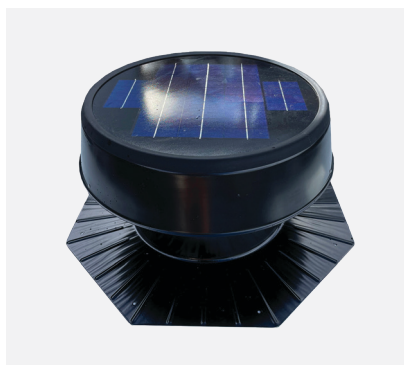
Product: Solar Star V-Aero 250 and RM 1600

Ventilation Requirements

According to the NCC (Energy Efficiency Section J3D7), a roof cavity is considered properly ventilated when:

- Powered Ventilator:** Installed at a rate of 1 per 200m² of ceiling space.
- Wind Driven Ventilator:** Installed at a rate of 1 per 50m² of ceiling space.
- Air Intake:** Adequate eave must also be provided.
- Net Free Area (NFA):** This is the usable open space in your vents (eave vents or similar) that the air can flow through. $NFA > 1:300$ - for every 300 square metres of ceiling area, you need 1 square metre of Net Free Area (NFA).

Product Recommendations



V-Aero 250: 1 unit per 75m²



RM1600: 1 unit per 175m²

Both recommendations are based on achieving **3-4 air changes per hour** for the average home.

We recommend installing Solatube roof mounted static caps – avoid asbestos eaves, insulation blocking cross flow and a solution on homes without eaves.

Tips for Exhaust: Always try to position exhaust vents within 900mm of the highest point – the ridge.

Careful consideration needs to be given on the installation of eave vents to have an even cross flow of air movement in the ceiling space.

 **Please contact Solatube Australia on 1800 131 619 if you require more information.**

PRODUCT FEATURES

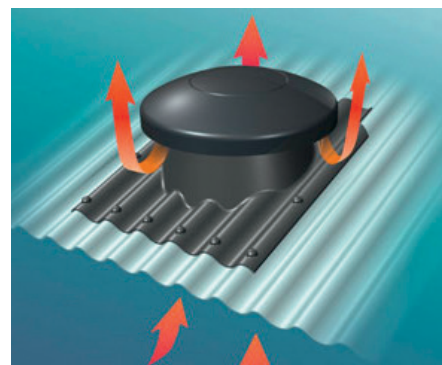
 **Up to 75% fewer roof penetrations**
– Compared with multiple wind-driven ventilators allows for More roof space for solar PV, Lower installation costs

 **Higher airflow performance** – more air changes per hour improve heat and moisture removal.

 **Roof-specific flashings** – Custom flashings are designed to suit individual roof profiles, providing reliable weather protection (not one size fits all).

 **Long-term reliability** – Balancing power and performance allows us to offer industry-leading motor warranties for confidence and peace of mind.

 **Whisper-quiet operation** – Balancing airflow for building requirements removes noise and vibration found in other products



Static Cap Roof Vents Required:

This will depend on the NFA of your selected vent. Recommended static cap 250mm Dia = 49,087mm² NFA. More NFA is better than less!

1 x RM1600
requires 2 ≥ 250mm Dia static cap

1 x Aero 250
requires 1 ≥ 250mm Dia static cap

1 x V-RV2007
requires 1 ≥ 250mm Dia static cap