

SolarXVENT® Solar Powered Ventilator

Refer to product table below for applicable product codes covered by this document

Issue **F**

Product Type & Application

SolarXVENT® is a solar powered 150mm roof ventilator designed for ventilation of sheds or small residential roof spaces without the need of wind or mains power. It is fitted with a brushless electric motor powered by an 18-volt solar panel.

Compliance with the NCC

For use in Australia, when correctly specified and installed, this product provides the following compliance:

NCC2022

- **Weatherproofing** - Meets the requirements of the NCC 2022 Volume 2 Amend. 2 Weatherproofing Performance Requirement H2P2 via Deemed-to-Satisfy (DtS) and performance solution pathways.

NCC2019

- **Weatherproofing** - Meets the requirements of the NCC 2019 Volume 2 Amend. 1 Weatherproofing Performance Requirement P2.2.2 via Deemed-to-Satisfy (DtS) and performance solution pathways.

Evidence of Suitability

- Weatherproofing - Excelo Consulting Engineers Performance Solution Report ECE24168 Class 1 & 10.

Conditions of Storage, Use & Maintenance

- Store in the original packaging in a cool and dry area.
- Do not attempt to repair – contact Bradford Ventilation for service advice.

Refer to the product warranty at bradfordventilation.com.au for more information.

Limitations of Use

- **IMPORTANT** - Do Not Modify This Product: Compliance with the evidence of suitability data referenced in this document is only achieved by the product or configuration listed in this PTS.
- This product only operates when the solar panel is fully exposed to enough solar irradiance to power the fan – it will not operate at night and in low light conditions.
- This product has not been tested or, and is not suitable for use in cyclonic wind regions C or D.
- Do not use for exhausting hazardous, abrasive, acidic and alkaline vapour or areas containing explosive or corrosive materials.

Limitations of Use cont.

- This product is not suitable for use in Bush Fire BAL-12.5 to BAL-40 or BAL-FZ rated areas.
- This product is not suitable for use within 500m of a saltwater body.

Specific Design or Installation Instructions

- Isolate power before installation.
- This product requires specific areas to be sealed against water entry and other areas to be left unsealed to allow internal condensation drainage – refer to the installation guide for details.
- Replacement outside air must be provided via evenly distributed openings such as Bradford Ventilation Metal Eave Vents positioned to facilitate cross-flow ventilation and help the powered ventilator to work more effectively and efficiently.
- Bradford Ventilation recommends 2 eave vents or 0.05m² open area to provide replacement air for each SolarXVENT®.
- The SolarXVENT® has an unguarded fan assembly which may start at any time and should not be used in locations readily accessible to people or animals - the fan is intended for use facing an unoccupied/inaccessible space only.
- For optimal performance install SolarXVENT® on the northern side of the roof, in a location with clear sunlight that is not shaded. Performance may degrade the greater the orientation from north and deviation from 20° – 35° roof slope.
- SolarXVENT® should be positioned close to the roof ridge above areas in the home that contribute moisture, such as the bathroom, laundry and kitchen.
- This product contains a fan which might be audible when in operation – avoid positioning the product directly over bedrooms, bedroom ensuites or on a roof area adjacent to, or overlooked by an upper storey level of the home where the fan noise may be heard.

For general installation guidance refer to the product installation guide at www.bradfordventilation.com.au

SolarXVENT® Solar Powered Ventilator

Applicable Product Codes (SKU)

Variant	Material Code
SolarXVENT® Night Sky	187002

Product Specifications

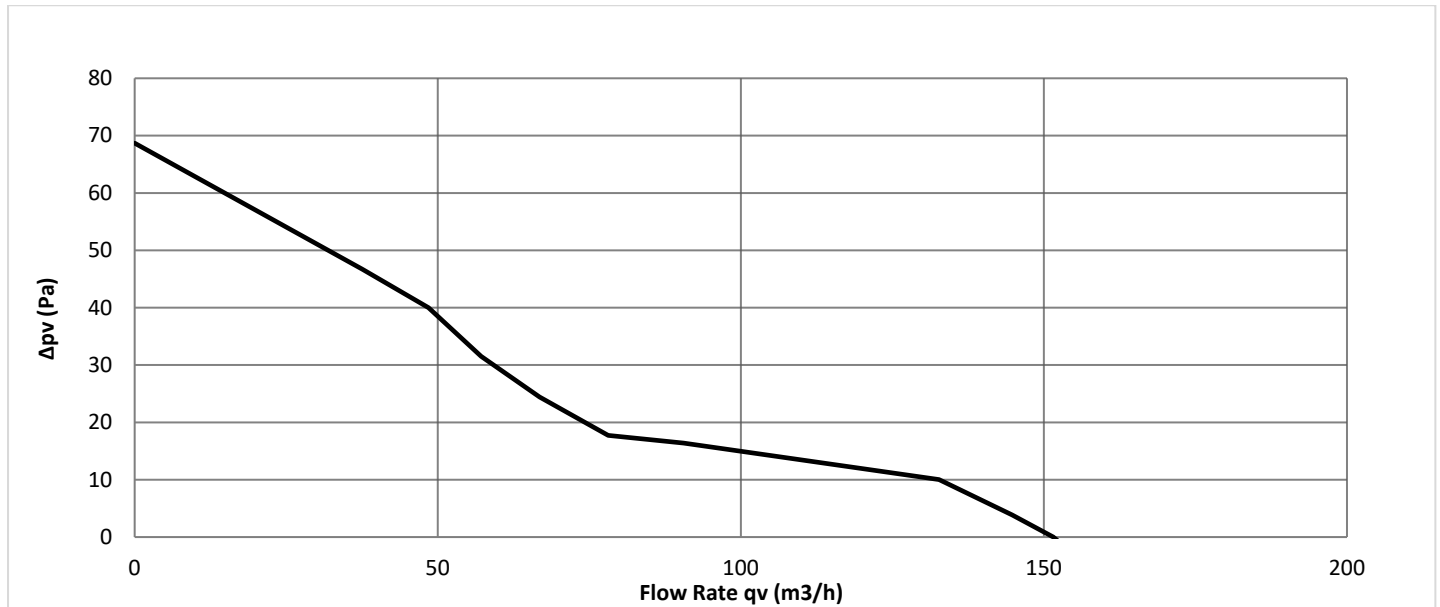
General	
Ventilator Type	Solar Powered Ventilator
Fan Diameter	120 mm
Throat Diameter	150 mm
Product Weight	2.5 kg
Packaged Weight	3.70 kg
Roof Slope Installation Range	Tiled Roofs 15° to 35° Metal Sheet Roofs 3° to 35° Note: Where applicable all roof pitches must comply to AS1562.1, the NCC & Australian Standards weatherproofing requirements within the ranges above.

Material	
Housing	Weatherproof Acrylic
Flashing	Aluminium
Screws	Stainless Steel and Galvanised

Electrical	
Solar Panel Type	Polycrystalline Solar Panel
Solar Panel Output Voltage	18V – Max Power 11W
Fan Type	Brushless DC – Axial Fan
Maximum Flow Rate	150m³/hr

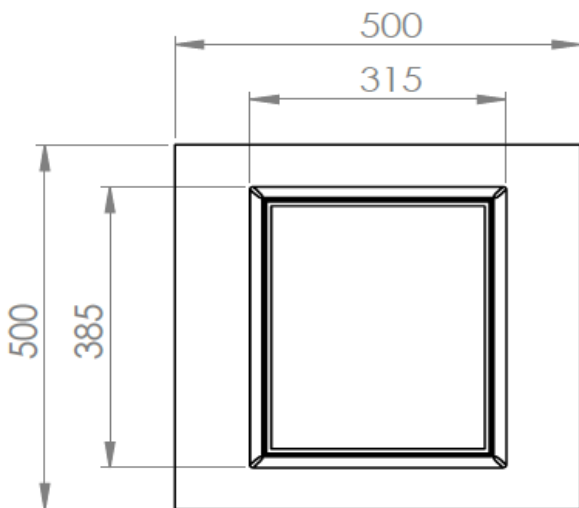
SolarXVENT® Solar Powered Ventilator

Product Performance – Ventilator Flowrate



Product Dimensions (in mm)

Top View



Side View

