

TurboBeam™ Wind Driven Turbine Ventilator

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

Issue **A**

Product Type & Application

The Bradford Ventilation TurboBeam is a wind driven ventilator with a clear turbine, designed to remove heat and provide natural light to the roof space or storage area, without the use of electrical energy.

Compliance with the NCC

When correctly specified and installed this natural roof ventilator meets the requirement of the NCC2019 Ventilation of Roof Spaces Volume 1 Clause F6.4 and Volume 2 Clause 3.8.7.4 as a Deemed-To-Satisfy solution.

Evidence of Suitability

- Bradford Ventilation DTS Solution Calculation

Conditions of Storage, Use & Maintenance

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

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

Limitations of Use

- The TurboBeam is designed for Class 1 and Class 10 construction in non-cyclonic regions.
- Do not use for exhausting hazardous, abrasive, explosive materials and vapour
- This product is not suitable for bushfire (BAL) rated areas.

Specific Design or Installation Instructions

- This product must be installed and sealed against water ingress.
- Installation must be accordance with the Bradford Ventilation Residential Turbine Ventilator Installation Instruction.
- Refer to the table below for recommended ventilation levels
- To facilitate effective and efficient crossflow ventilation, the TurboBeam(s) and eave vents must be evenly distributed.
- The rotating head of this product must be installed horizontally to ensure correct operation.

NCC2019 Ventilation of Roof Spaces Deemed-To-Satisfy Solution Requirements:

- Calculate the area (m²) of ceiling directly under the roof space;
- Determine the pitch of the roof;
- Look up the recommended number of TurboBeam and Bradford Metal Eave vents in the Deemed-To-Satisfy Solution Table below;
- Distribute the TurboBeam(s) and Bradford Metal Eave Vents evenly.

Bradford Ventilation Deemed-To-Satisfy Solution Table

| Roof Pitch | Total Ceiling Area (m ²) | Number of TurboBeam required | Bradford Metal Eave Vents required |
|------------|--------------------------------------|------------------------------|------------------------------------|
| > 22° | 46 | 1 | 4 |
| | 92 | 2 | 7 |
| | 138 | 3 | 10 |
| | 184 | 4 | 13 |
| | 231 | 5 | 16 |
| | 277 | 6 | 19 |
| | 323 | 7 | 22 |

Total Ceiling Area is defined as the total ceiling area directly under the roof/attic space.

Where the roof pitch is ≤ 22°, the number of ventilators and eave vents specified must be doubled for the same ceiling area.

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

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Applicable Product Codes (SKU)

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|----------------|
| CLEAR 61183 |
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Product Specifications

| General | |
|--------------------|--|
| Ventilator Type | Wind Driven Natural Ventilator |
| Turbine Diameter | 327.5 mm |
| Varipitch Diameter | 255.5 mm |
| Product Weight | 1.9 kg |
| Wind Loading | Passed Wind Loading Test in accordance to AS/NZS 4740 up to 205 km/h |

| Material | |
|-----------|-------------------------------|
| Turbine | High Impact Acrylic |
| Varipitch | Aluminium |
| Flashing | Aluminium |
| Shaft | Aluminium |
| Bearings | Twin Stainless-Steel Bearings |

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Product Dimensions (in mm)

