

WindMaster™ DTC Natural Roof Ventilator

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

Issue **D**

Product Type & Application

The Bradford Ventilation WindMaster DTC is a cyclone rated wind driven natural ventilator designed to exhaust heat & moisture from the roof space, without the use of electrical energy. The product is Deemed to Comply (DTC) for cyclone region C in the Northern Territory only.

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.
- Meets the NT Deemed to Comply requirements as referenced in NCC2019 Section 3.0.4 (q) Determination of structural resistance of materials and forms of construction – for high wind areas.
- Meets the requirement of the NCC2019 Roof and Wall Cladding Section 3.5.2.3 (b) via Deemed-to-Satisfy (DtS) and performance solution pathways.

Evidence of Suitability

- Bradford Ventilation DTS Solution Calculation.
- DTC Notice of Approval from NT Building Advisory Committee Ref:M/350/01a - valid until 25/7/2027.
- ARCADIS Weatherproofing Performance Solution Report (30051677-4).

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.
- The WindMaster DTC is designed for Class 1 and Class 10 construction in cyclonic (and non-cyclonic) regions.
- The product cannot be used in Wind Region D.
- Do not attempt to repair – contact Bradford Ventilation for service advice.
- Do not use for exhausting hazardous, abrasive, acidic and alkaline vapour or areas containing explosive or corrosive materials.
- This product is not suitable for use in Bush Fire BAL 12.5 to BAL 40 or FZ-rated areas.
- The product is only suitable for Custom Orb-type roofs.
- The product is suitable for roof pitches 5° to 35°.
- The product is suitable for roof systems consisting of cyclonic-rated roof sheeting, battens/purlins, and fixings only.
- The product is to be positioned a minimum of 1.2m from the perimeter of the roof edge.
- The product is suitable only for Topographic Classifications T0, T1 and T2.
- The ventilator cannot be used where V_{des} exceeds 57m/s.

Specific Design or Installation Instructions

- 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.
- The cyclone straps provided with this product must be installed to comply with DTC requirements.
- Installation must be in accordance with the WindMaster DTC certified instruction manual.
- Refer to the table below for recommended ventilation levels.
- 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 WindMasters and Bradford metal eave vents in the Deemed-To-Satisfy Solution Table below;
- Distribute the WindMaster(s) and Bradford Metal Eave Vents evenly.

Bradford Ventilation Deemed-To-Satisfy Solution Table

Roof Pitch	Total Ceiling Area ¹ (m ²)	Number of WindMasters required	Bradford Metal Eave Vents required
> 22°	< 62	1	5
	< 124	2	9
	< 187	3	13
	< 249	4	17
	< 312	5	22
	< 374	6	26
≤ 22°	< 62	2	10
	< 124	4	18
	< 187	6	26
	< 249	8	34
	< 312	10	44
	< 374	12	52

¹ Total Ceiling Area is defined as the total ceiling area directly under the roof/attic space.

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

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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.

Applicable Product Codes (SKU)

61222 MILL	127556 WALLABY	61224 SURFMIST	61225 NIGHTSKY	61226 HEADLAND	61227 MANOR RED
61229 COT GREEN	61230 WOOD GREY	61231 WILDERNESS	61232 CLASSIC CREAM	61228 PALE EUCALYPT	61233 PAPERBARK
61234 DUNE	61235 WINDSPRAY	61236 SHALE GREY	61240 DEEP OCEAN	61242 JASPER	61247 IRONSTONE
90676 EVENING HAZE	90677 LOFT	90678 MONUMENT	127551 GULLY	127552 BASALT	127553 TERRAIN
127554 COVE	127555 MANGROVE				

Product Specifications

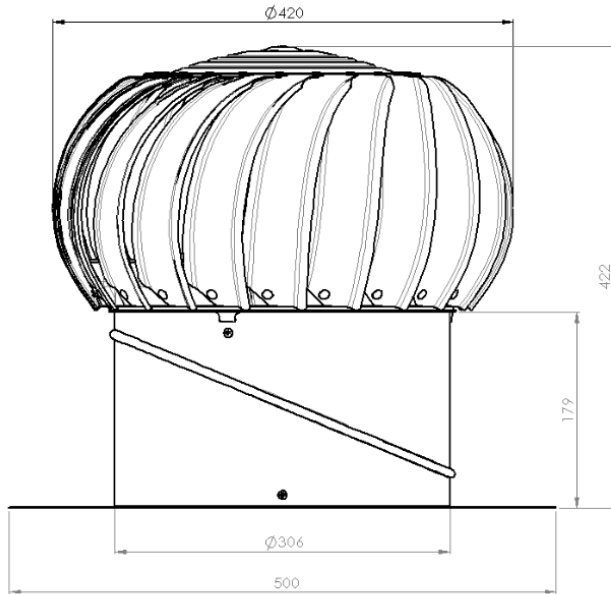
General	
Ventilator Type	Natural Roof Ventilator
Turbine Diameter	420 mm
Varipitch Diameter	306 mm
Product Weight	1.90 kg
Wind Loading	Passed Wind Loading Test in accordance to AS/NZS 4740 up to 205 km/h
Roof Pitch	5 to 35°

Component	Material
Turbine	Aluminium
Varipitch	Aluminium
Flashing	Aluminium
Shaft	Zinc passivate plated mild steel
Bearing Holder, Support Ring and Brackets	Glass-Filled Nylon
Screws	Stainless Steel and Galvanised
Cyclone Strap	Galvanised Steel

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Product Dimensions (in mm)

Ventilator



Cyclone Strap (2 pcs)

