Bradford™

Product **Technical** Statement

WindMaster™ DTC Natural Roof Ventilator

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

Issue **A**

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 or electrical energy. The product is Deemed to Comply (DTC) for cyclone region C in Northern Queensland, the Northern Territory and North Western Australia.

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 NCC2016 Volume 2 Clause 3.10.1 Acceptable Construction – High Wind Area

Evidence of Suitability

- Bradford Ventilation DTS Solution Calculation
- DTC Notice of Approval from NT Building Advisory Committee Ref:M/815/01

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 Windmaster is designed for Class 1 and Class 10 construction in cyclonic (and 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.
- The cyclone strap provided with this product must be installed to comply with DTC requirements.
- Installation must be accordance with the Windmaster DTC certified instruction manual.
- Refer to the table below for recommended ventilation levels
- To facilitate effective and efficient crossflow ventilation, the WindMaster 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 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] (m²)	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

CSR Bradford Locked Bag 1345 North Ryde BC NSW 1670
csrbradford.com.au

For further technical advice
call **1300 850 305** or visit **csrbradford.com.au**

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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	Up to 45°

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)