

# Hurricane® Heavy Industry (HI) Turbine Ventilator

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

Issue D

## Product Type & Application

The Bradford Hurricane® Heavy Industry (HI) is a wind-driven turbine ventilator with corrosion resistant bearings, designed to exhaust heat and moisture from non-BAL residential (Class 1) and commercial roofs (Class 2 to 9).

## 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 1 Amend. 2 Weatherproofing Performance Requirement F3P1 via Deemed-to-Satisfy (DtS) and performance solution pathways.

### NCC2019

- **Weatherproofing** - Meets the requirements of the NCC 2019 Volume 1 Amend. 1 Weatherproofing Performance Requirement FP1.4 via Deemed-to-Satisfy (DtS) and performance solution pathways.

## Evidence of Suitability

- Weatherproofing –
  - Excelo Consulting Engineers Performance Solution Report ECE24168 Commercial.

## 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.
- Do not use for exhausting hazardous, abrasive, acidic and alkaline vapour or areas containing explosive or corrosive materials.
- This product has not been tested for, and is not suitable for use in cyclonic wind regions C or D.
- This product is not suitable for use in Bush Fire BAL-12.5 to BAL-40 or FZ rated areas.
- The optional stainless-steel mesh available for use in this product as an insect guard does not comply with BAL requirements.
- This product is not suitable for use within 500m of a saltwater body.
- Products installed in harsh environments are recommended to be specified with (optional) polyolefin or powder coat finish for additional corrosion protection.
- Seek technical advice from Bradford Ventilation on application suitability if unsure.

## Specific Design or Installation Instructions

- Isolate power before installation.
- **Caution:** The turbine head of this product can rotate without warning (even during installation) – always keep body parts away from moving components.
- The table below shows the minimum make-up air requirement per ventilator that should be provided in accordance with AS1668.2

Product	Make-Up Air per ventilator - 100% open, evenly distributed open area
Hurricane HI 900	≥ 0.9m <sup>2</sup>

- Make-up air ingress should be provided via evenly distributed openings which are permanently open and positioned to help the ventilator work more effectively and efficiently (refer to the product installation guide for guidance).
- If make-up air is insufficient the ventilators will draw make-up air from each other. This will diminish the system effectiveness - air will be drawn inward through ventilators which are meant to be exhausting air. It will also increase the risk of drawing external water into the building during periods of rain. Further to this, it is recommended that ventilators of the same size are used together to prevent make-up air being drawing between ventilators of different sizes.
- The rotating head of this product must be installed horizontally to ensure correct operation – adjustment of the varipitch and base flashing is critical to achieve this orientation (refer to the installation guide for details)
- If the product is installed with a stainless-steel mesh, it should be periodically inspected to remove foreign objects and/or dust build-up to maintain airflow.
- 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.
- This product may be used in moist or dusty applications in conjunction with a regular inspection and maintenance program. Refer to installation guide for details.

For general installation guidance refer to the product installation guide at [www.bradfordventilation.com.au](http://www.bradfordventilation.com.au)

## 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.
- This product requires regular checking for wear/tear.

Refer to the product warranty at [bradfordventilation.com.au](http://bradfordventilation.com.au) for more information.

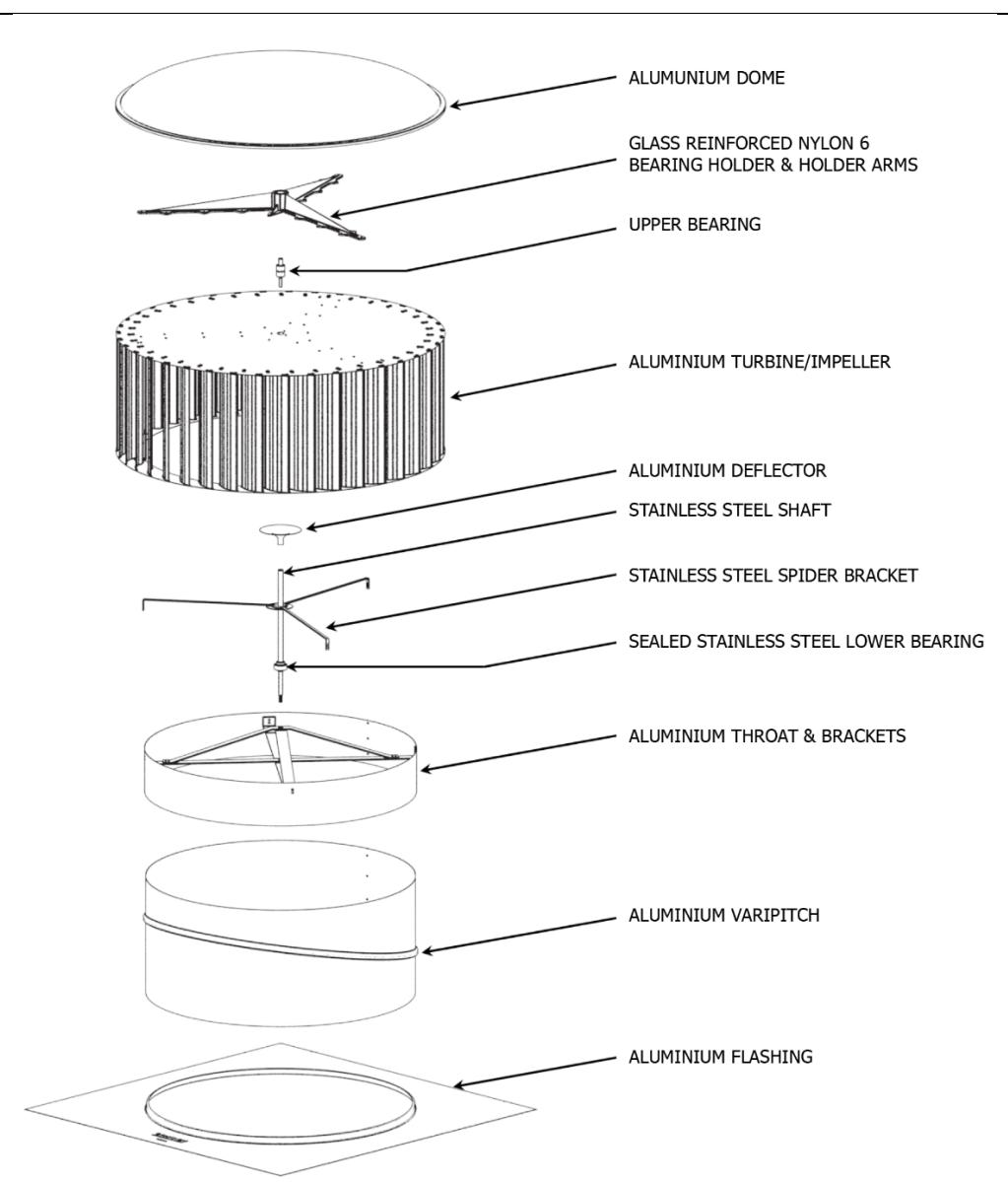
## Hurricane® Heavy Industry (HI) Turbine Ventilator

### Applicable Product Codes (SKU)

Hurricane 900mm
Custom 61928

### Product Specifications (in exploded view)

#### Hurricane HI 900



## Hurricane® Heavy Industry (HI) Turbine Ventilator

### Product Information Summary HI 900

Ventilator Range	Hurricane®	
Ventilator Model	HI 900	
Ventilator Type (AS/NZS 4740:2000 cl 1.5)	Type 4	
Nominal Performance* (m³/hr)	0 m/s	2874 m³/hr
	3 m/s	2940 m³/hr
	6 m/s	3129 m³/hr

\*In accordance with AS/NZS 4740:2000 nominal performance parameters where  $h = 6m$ ,  $\Delta T = 14^\circ\text{C}$ ,  $T = 20^\circ\text{C}$

### Product Dimensions (in mm)

Top			Turbine								
Model	Dimension (mm)			Weight (kg)	Model	Dimension (mm)			Weight (kg)	Roof Slope Range	
	ØA	ØF	G			ØA	ØB	C	D	E	
H900	1096	897	643	18.1	H900	1096	891	1200 x 1200	421	936	24.1

