

Flettner® F3000™

Rotary Ventilator

Versatile, Reliable, Simple

Since 1931



Manufacturers of the original wind-powered ventilator
Hersteller des originalen umweltfreundlichen, windbetriebenen Lüfters
Fabricantes del primer ventilador eólico ecológico
Fabricants du ventilateur éolien original respectueux de l'environnement
I produttori del ventilatore ecologico originale azionato dal vento
Fabrikanten van de originele milieuvriendelijke windaangedreven ventilator
環境に配慮したオリジナルの風力換気装備のメーカー

Key Benefits:

- Patented dimple design for better airflow and less drag
- Improved performance to the F2000
- Faster start-up speed
- Easier installation
- Simplified shutter



Flettner Ventilator Ltd Suite 38, MKBC, Foxhunter Drive, Milton Keynes, MK14 6GD, UK
T: +44 (0)1908 698901 W: www.flettner.co.uk E: sales@flettner.co.uk

Flettner® is a registered trademark of Flettner Ventilator Ltd. Patents and Registered Designs apply in multiple jurisdictions.

Evolutionary Enhancement

The classic Flettner® F2000™ just got better!

Introducing the new Flettner® F3000™, with enhanced design features, improved performance and easier installation.

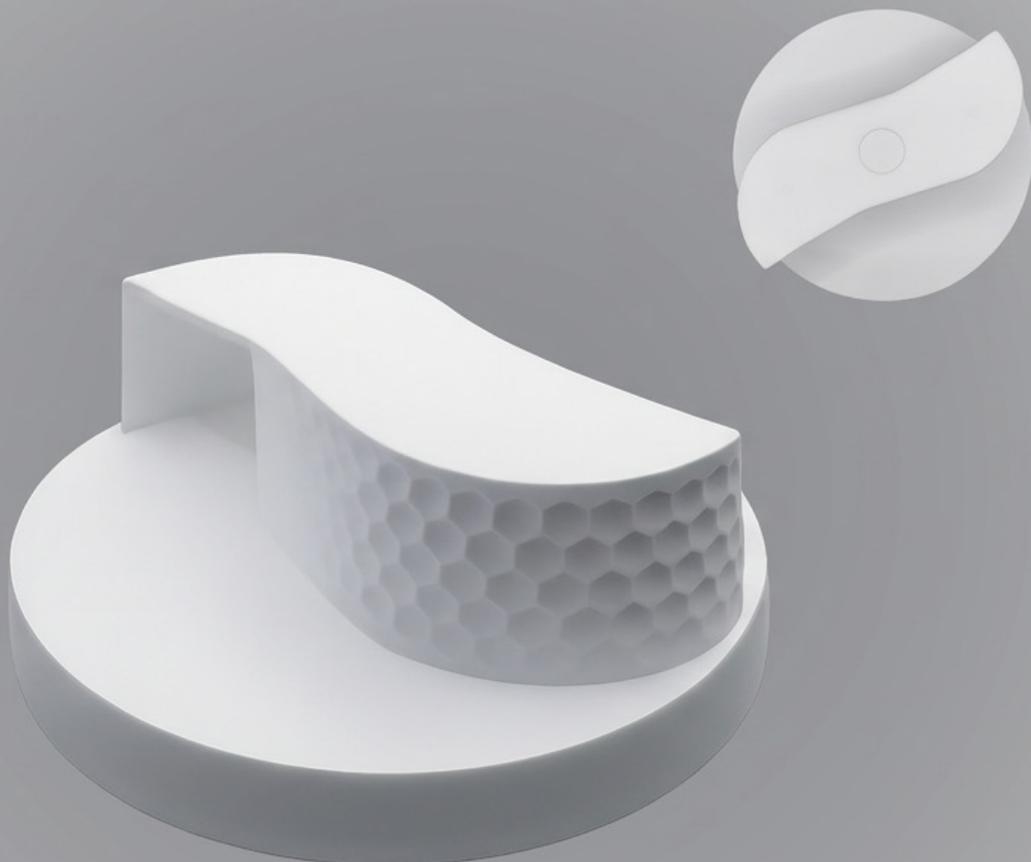
The new patented dimple design with registrations held in all key global markets delivers improved aerodynamic performance and greater extraction rates. The F3000™ has been developed to maximise rotational efficiency and torque to produce powerful extraction rates, making it the best performing wind-powered ventilator of its size.

The F3000™ is also much simpler to install. With only two main parts, a rotor assembly and a shutter, installation times have been reduced by 50% and it can be installed by one person. Detailed installation instructions are available alongside a sticker template, which can be applied to the roof to easily cut the holes required.

As you would expect from Flettner®, quality and reliability come as standard. The F3000™ has been rigorously tested and validated externally in wind-tunnel and real-world environments to ensure a fit and forget solution. From the grades and composition of the plastics, through to the highest quality stainless steel in the shaft and bearings, you can rely on Flettner®.

For vehicles which have an inner lining, an adaptor is available to bridge the gap between the outer skin and the inner lining. The adaptor allows the F3000™ to be fitted to vehicles which have double-skinned roofs and acts as a rigid bridge between the inner lining and the shutter. If the lining is thin, it's possible to recess the shutter in the lining and install as normal.

The F3000™ is available in black or white and only with Flettner® can you get a lifetime warranty to give you full confidence and peace of mind.



Features & Benefits

Enhancements that make a difference



1 Improved

Improved extraction and airflow performance with the new patented dimple design.

2 Performance

Less drag delivers a minimum 20% performance increase over the F2000™ in extraction and airflow.

3 Design

Aerodynamic design supports improved start-up rotation at lower wind speeds.

4 Save Time

One-person installation with installation time reduced by up to 50%.

5 Simplified

Integrated rotor and base assembly minimises user installation errors.

6 Predictable

A more efficient manufacturing process ensures a consistent spin performance.

7 Lifespan

Top cap does not need to be removed to prevent misuse and extend lifespan.

8 Familiarity

The benefits you're used to with Flettner®. Eco-friendly and power free, no maintenance and quiet operation.

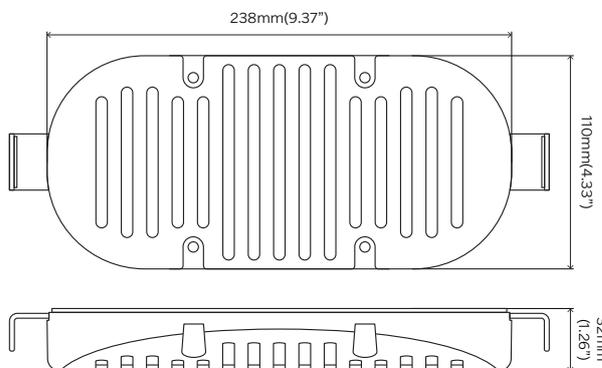
Improved Shutter

Lozenge-shaped shutter for improved airflow.



The larger lozenge-shaped shutter uses the same design as the Flettner® Slimline LPV™ to support the performance improvements.

- One unit with integrated gasket.
- Ideal for difficult rib installations.
- Easy to install with four bolts.
- Grill can be open or closed.



Flexible Application

Standard & Narrow Base Versions

Like the Flettner® TCX-2™, there is a standard and narrow base option. The Flettner® F3000™ standard base can be fitted to vehicles with ribbed roofs provided that the gap between each rib is at least 145mm (5.71"). The Flettner® F3000™ narrow base can be fitted to roofs where the gap between each rib is at least 108mm (4.25").

Standard Base

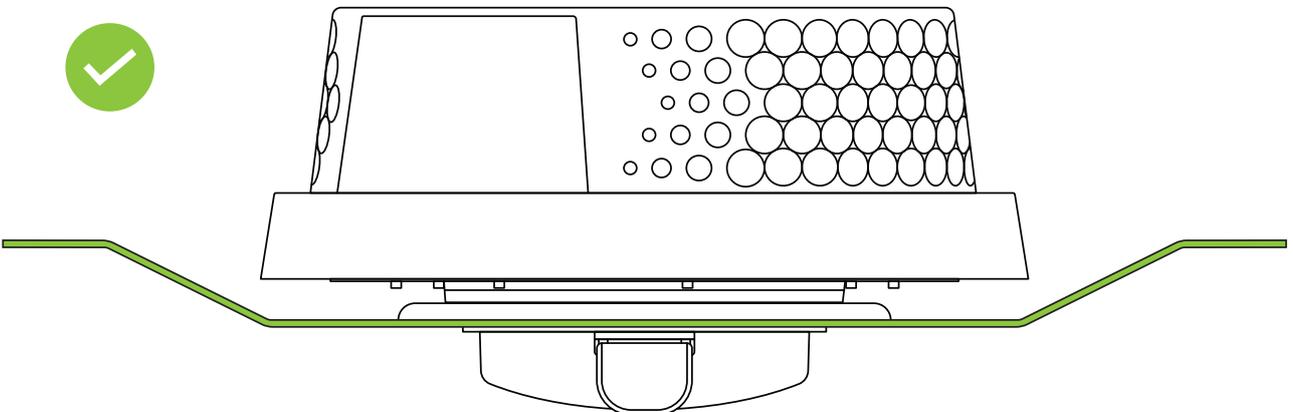
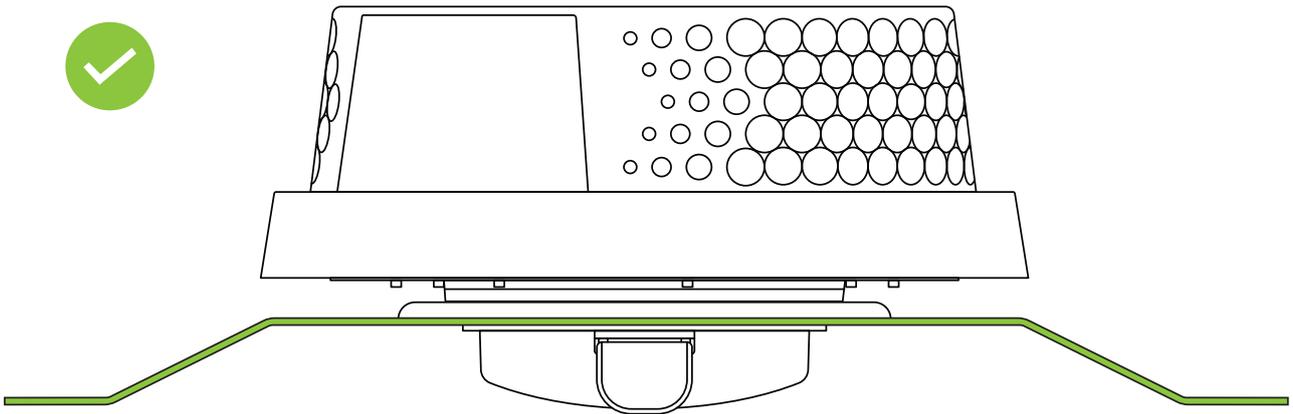
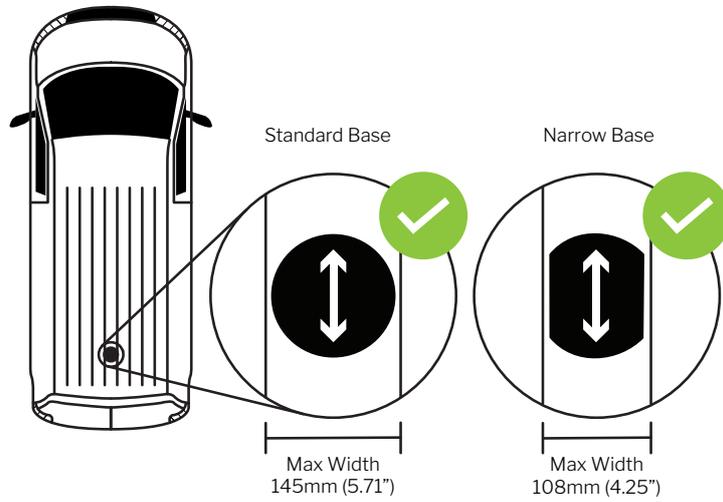


Narrow Base



Roof Locations

On a ribbed roof, the F3000™ can be installed in the valley or on top of a rib.



World Leader

Unrivalled Reliability

Flettner® is the world leader in wind-powered ventilation technology. Known for unrivalled reliability and exceptional durability, Flettner® ventilators operate successfully in extreme conditions-from tropical storms to Antarctic cold.

With global patent registrations and decades of engineering heritage, Flettner® products are trusted by fleets, converters, end-users and specialists worldwide.

- Powerful
- Tough
- Durable
- Dependable
- Cost-effective

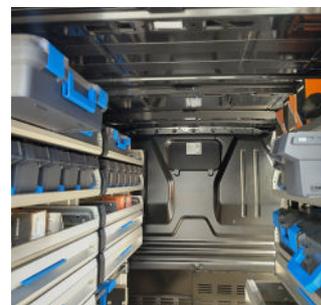
Applications

Diverse & Versatile

Flettner® rotary ventilators are suitable for a wide variety of applications including vehicles, properties, mobile structures and bespoke installations.

You may find a Flettner® product installed on the following applications:

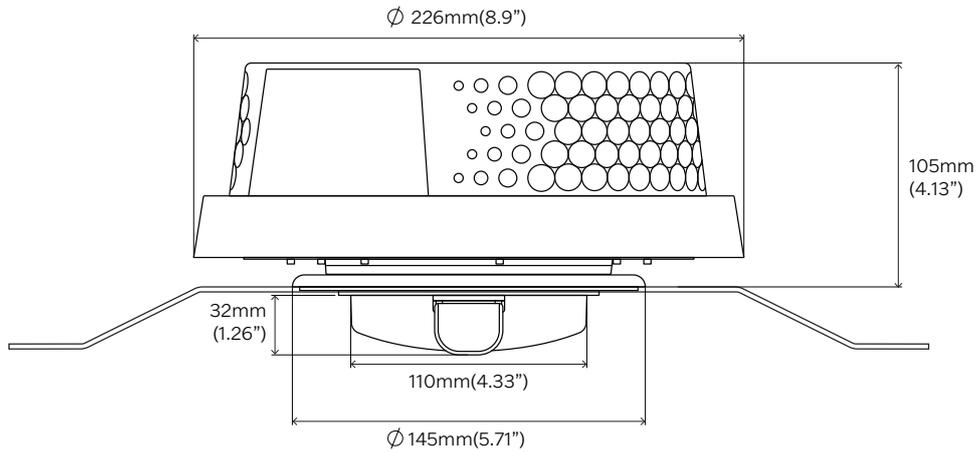
- Commercial vans and delivery vehicles
- Vehicles transporting chemicals, fuels, or gas cylinders
- Mobile workshops, utility fleets and welfare vehicles
- Recreational vehicles, caravans and camper conversions
- Animal transport, horseboxes, and rescue vehicles
- Static cabins, kiosks, storage units and remote buildings



Technical Specifications

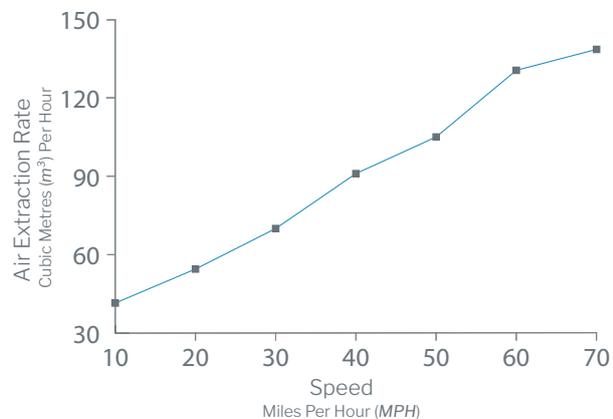
Diameter: 226mm (8.9")
 Height: 105mm (4.13")
 Standard Base Width: 145mm (5.71")
 Narrow Base Width: 108mm (4.25")
 Shutter Length: 238mm (9.37")
 Shutter Width: 110mm (4.33")
 Shutter Height: 32mm (1.26")

F3000™ Standard Base Weight: 653g (23.03 oz)
 F3000™ Narrow Base Weight: 647g (22.82 oz)



Air Extraction

MPH	KMH	CM/Hr	CM/Min	CF/Hr	CF/Min
10	16	41.5	6.9	1465	244
20	32	54.5	9.1	1924	321
30	48	70	11.7	2472	412
40	64	91	15.2	3213	536
50	80	105	17.5	3708	618
60	97	130.5	21.8	4608	768
70	113	138.5	23.1	4890	815



Independently witnessed

CM - Cubic Metre (m³)
 CF - Cubic Foot (ft³)

The air extraction rates were measured using an F3000™ standard ventilator mounted on the roof of a Ford Transit L2 H2, which was driven at various speeds on a test track to ensure real-world authenticity. The F3000™ has also been rigorously tested in a wind-tunnel. Air extraction rates may vary according to the positioning of the ventilator on the vehicle, size of the vehicle and weather conditions. Please ensure that the air extraction rate achieved is adequate for your application and refer to local regulations for airflow requirements. For some applications, consider installing multiple roof vents and floor vents.

Product Codes

F3000™ Black Narrow Base – I-VE-F3000-BLACK-NAR
 F3000™ Black Standard Base – I-VE-F3000-BLACK-STD
 F3000™ White Narrow Base – I-VE-F3000-WHITE-NAR
 F3000™ White Standard Base – I-VE-F3000-WHITE-STD