

# WINDDRIVEN FAN

- Winddriven fan; revolutionary and unique design
- Best extraction obtained by technical optimization
- Well balanced, extremely light rotating bearings
- Patented product
- High quality synthetic material for durable outdoor use, no corrosion
- Ingenious water resistance
- Suitable for air exhaust on ventilation ducts
- Natural ventilation, sustainable eco-friendly solution, no electricity needed

Our winddriven fan is revolutionary in its kind. Optimal performance has been achieved by smart aerodynamic design and as a result it has a very unique appearance. High quality polymer material makes this design possible, while the heart of the fan consists stainless steel parts and a very light running set of bearings. Our winddriven fan is patented.

This fan is designed using extensive wind tunnel tests, where shortcomings of many traditional, metal winddriven fans have been analyzed to achieve an optimal shape for maximum air extraction. The following features are essential for the best extraction:

- The drive function (by the wind) and the suction function (ventilation) are separated in the fan, in order to be able to make the best impeller shape for each function.
- Wind entering in all angles and directions is highly efficient used by the specially formed drive vanes on the top and at the bottom.



There are three impeller sections installed in the fan. The blades on top and bottom are drive vanes. The middle segment contains the thoroughly designed suction vanes. The internal flow area is aerodynamically shaped to minimize the resistance for air exhaust.

Our winddriven fan is suitable for installation on ventilation ducts for air exhaust of buildings or objects to support the natural outward flow and to prevent downdraft. Any incidentally incoming rainwater is ingeniously redirected to the outside.

The high-quality synthetic material, impervious to corrosion, is specially selected for dynamic and durable outdoor application and is UV-resistant.



## Features

Material: ABS plastic / Stainless steel

Color: RAL-7024

Height: 36 cm

Diameter:  $\varnothing$  23 cm

Connections:  $\varnothing$  110 und  $\varnothing$  125 mm

Weight: 1,3 kg

**mangrove** 

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