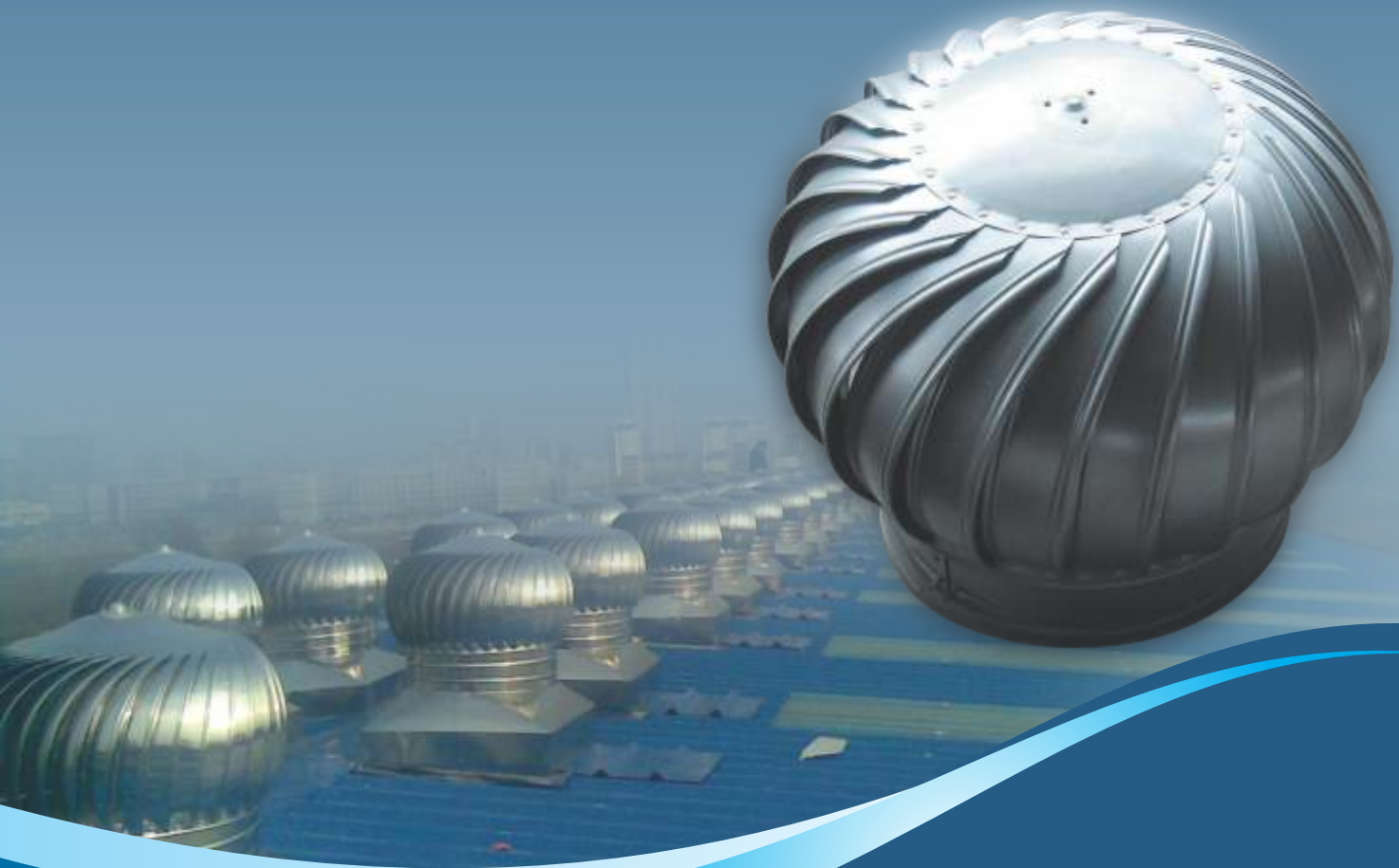


# AIR VENTILATOR



## Benefits

Easy to install - No noise - Trouble free working - Improves day light - Responds well to low wind speed - Overall aesthetics enhanced - Economical & Ecological friendly - Weather & Storm resistant - Zero running cost - No maintenance - Less artificial light required - 80% benefit in depreciation u/s 32 of Income Tax Act, 1966 - Shorter pay back period - No special structure or strengthening of roof required.

## Construction

Rain proof rugged spider design - Strong light weight construction - Stainless steel top plate & Bottom ring - Rigid roll formed curved aluminium vanes - FRP base plate.

## How it works ?

POWERVENT Air Ventilators are placed on rooftops of industrial sheds. Industrial activity generates heat and hot air being lighter, moves upwards. The lighter air gets accumulated in the turbine of the POWERVENT Air Ventilator. As the hot air tries to escape from the turbine, it exerts a backward thrust on the vanes and sets them in a rotational movement. This rotation creates a suction, which pulls more hot air from the room into the turbine. With the help of natural wind blowing over the rooftop, the rpm of the turbine increases. This increases the discharge capacity of the POWERVENT Air ventilator. As the hot air is thrown out, fresh air starts entering through windows and door openings. The POWERVENT Air Ventilator thus generates continuous air circulation within the room resulting in cooling of inside temperatures & discharge of foul smell. Hygienic work conditions result in improved productivity.

## Why Powervent Air Ventilators ?

### Specifically designed for commercial / industrial applications

- Delivers a better working environment
- Reduces temperatures in buildings
- Reduces humidity in buildings
- Reduces pollutant levels

### Made from light weight, corrosion resistant aluminum

- Responds well to low wind speeds
- Built for long life and resistance to corrosion
- Easy to install
- No special structural strengthening of roof required

### Higher flow co-efficients than comparable size Spherical Vents

- Less ventilators required for your building
- More cost effective solutions
- Better performance at all wind speeds

### Extensive range of products

- Ability to develop tailored solutions for the majority of ventilation requirements and environmental conditions

### Available in high corrosion resistance version

- Longer life of product in highly corrosive environments
- No ongoing maintenance costs and reduced replacement frequency

### Available in product suited for smoke release applications

- Dual system - Smoke release in case of fire, as well as continual natural building ventilation | Better value for money

### Matching accessories

- Ensures the aesthetics of the overall building is maintained
- The system performs to your requirements

## Application

Factories, warehouses, workshops, industrial sheds, domestic applications, Chemical industry, Food industry, Pharmaceutical Industry, Textile industry, Dye industry, Metallurgy industry, Electrical industry, Construction sites, Tunnels.

### Technical Data Air Ventilator

Model	MOC	Turbine Dia (mm)	Throat Dia (mm)	No. of Fins
14"	Aluminum	450	350	24
21"	Aluminum	700	525	36
24"	Aluminum	800	600	42

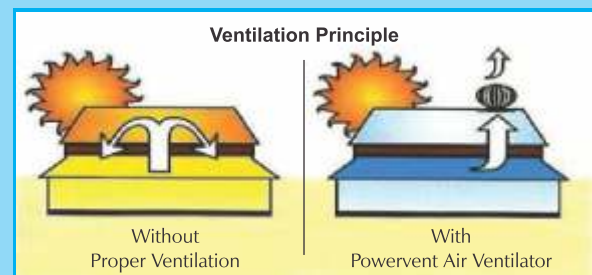
### Technical Data Fibre Reinforced Plastic (FRP) Base

Length (mm)	Width (mm)	Thickness (mm)
1800	1100	1.7

### When Ordering Specify :

1. Roof pitch
2. Type of roof profile
3. Base type

Note : Since continuous development for improvements is a way of life with us, the product supplied may differ in minor details from what has been described in this leaflet.



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