

Absolute comfort at workplace, a benefit of productivity.



Ventilation solution

Ventilation is becoming a point of major concern for most industrial workplaces and factories due to the fumes, gases, vapors and heat generated by the machinery in the production process.

A new concept of wind operated mbient turbo ventilators as a low cost alternative against the conventional electrically operated ventilators/exhaust fans, is the best choice for industries and residence.

Operation

The mbient turbo ventilators operates by harnessing the full velocity energy of the wind to induce airflow by centrifugal force. During rotation the centrifugal force created, draws the air in the turbines towards the spinning vanes and out of the turbine.

The airfoil vanes act as cups, catching the wind at the windward side of the turbine. Simultaneously air is forced out at the leeward side creating continuous airflow; giving rise to ventilation.

These wind driven ventilators, unlike doors and windows, draw air upwards, creating convection current and in the process, they extract stale air together with air which has become hot due to the building exposure.

Features

The wind driven turbo ventilators are used the world over because of their low capital cost, adaptability, high capacity per vent and overall reliability. The Turbo Ventilator is designed to withstand a wind velocity of up to 100mph. It is made of stainless steel or aluminium therefore virtually maintenance free with five years warranty.

The mbient turbo ventilators are available in 450mm,600mm and 900mm sizes with a choice of material - Stainless Steel/Aluminium/Polycarbonet and also with a choice of coatings e.g. PU/Epoxy/Silicon.

Benefits

The product operates on wind energy thereby enabling saving of substantial electrical energy to the user. This also is a saving to the already overburdened state electricity board which have currently a problem for servicing existing client. It makes use of a renewable source of non conventional energy i.e. wind energy. The product is a long lasting product with a 2 years warranty and is maintenance free. Thereby, offering a low cost solution to ventilation problem in industry. It creates absolute comfort at working place for benefit of productivity.

Installation

The mbient turbo ventilators is lightweight, this enables flexibility as, it is easily adaptable to all kinds of roofs and can be installed almost anywhere on the roof without any structural changes.



Energy Efficient Industries

1000+ locations across India and abroad has acknowledge Mbinet Turbo quality.

Few of Turbo farm photographs - saving energy everyday.

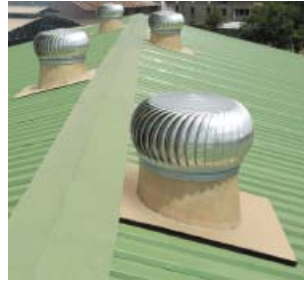
Quality... component to completion

Mbinet Turbo passed through strict QC, 100% testing for performance. Base ring designed for long last fixing. Top cover designed for no water stagnancy and Fins design for efficient rain water movement.

- | | |
|-------------------------|--------------------------|
| 1 Top Cover | 4 Spindle |
| 2 Air Distribution Cone | 5 Reinforcement Tie Rods |
| 3 Fins | 6 Base Ring |
| | 7 Throats Ring |



Gravity Die Caster



Unique Tags (P) Ltd.

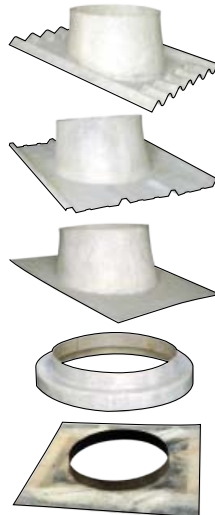


KHS India (P) Ltd.



Available size 450/600/900mm

Day Light Dome in FRP



DLD with Polycarbonate on request.

Ergonomically designed ventilation systems. An efficient energy saver.

4 Nos. of mbient-turbo replaces 1 no. of electrically operated exhaust fan.

Exhaust fan Capacity

Power Consumption	: 0.7 Kw
Operating Hours	: 24 Hr x 365 days
Power Rate	: Rs. 5.5 / Unit
Power Cost (0.7x24x365x5.5)	: Rs. 33,726/-
Savings per Year on 1 turbo	: Rs. 8431/-

- Pay back period less than one year.
- Eligible for 80% depreciation.
- Reduce heat by 5-8°C.

Specifications

Model	Specifications (mm)		MOC			Fins Qty.	Colour	Bearing	Dome (Material & Dimensions)		
	Dia	H/ W	Fins	Topcover	Basering				FRP ¹	GI ²	PC ³
mb60042al	610	450/750	Al.	Glv	MS Coated	42	Natural	2 z	FRP (single pc)	GI (two pc)	PC (two pc)
mb60042ss	610	450/750	Al.	SS304	SS304	42	Natural	2 z	"	"	"
mb45030al	450	413/611	Al.	Glv	MS Coated	30	Natural	2 z	"	"	"
mb45030ss	450	413/611	Al.	SS304	SS304	30	Natural	2 z	"	"	"
mb90070al	900	660/1130	Al.	Glv	MS Coated	62	Natural	2 z	FRP (Single pc)	GI (two pc)	Not Recom.
mb90070ss	900	660/1130	Al.	SS304	SS304	62	Natural	2 z	"	"	"
mb60042F	600	450/750	FRP	Glv	FRP coated	42	Blue/Grey	2 z	All as per 60042al		

Contact for : Special size of Dome / special colour • Premium/Superior quality FRP. EPOXY/PU coating. • Metal Self supporting ROUND roof.

Model mb60042F, designed for HAZARDOUS Applications.
Standard Dimensions : 138"x48", 2mm avg. 238"x48" 20 gauge • 338"x48", 2mm avg. are for AC/Metal sloping roof, 24"Ø ventilator.

Glv =Galvalume • Al = Aluminum

Subject to Revision



An ISO 9001:2008 Company

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