

WIND DRIVEN TURBO VENTILATOR



**ADVANCED
TURBO
VENTILATOR**



**STANDARD
TURBO
VENTILATOR**

FEATURES OF STANDARD TURBO VENTILATOR & ADVANCED TURBO VENTILATOR

- No Electricity
 - No Wiring
 - No Running Expenses
 - Maintenance Free
 - Fresh Air 24 x 7
 - Noiseless Operation
 - No Ingress of Rain Water
- Exhausts Stale, Hot, Humid Air & Fumes / Pollutants
 - Non-Stop Induced Ventilation even in Absence of Breeze
 - Ensures Rotation at the Lowest Wind Velocity
 - Withstands High Wind Velocities

Importance and Application of Ventilators

One of the major concerns for most industrial workplaces and sheds is proper ventilation. The lack of it can lead to the build-up of heat, moisture, pollution and even potentially harmful chemicals in the air inside the buildings or industrial sheds. Natural ventilation is gaining prominence with Wind Driven Turbo Ventilators replacing the conventional ventilators and exhaust fans that run on electricity.

An effective and efficient exhaust system, Wind Driven Turbo Ventilators, remove hot and stale air from the working space of industries, warehouses, workshops and other enclosed structures without use of electricity. The mechanics involved is simple; when the hot air inside the building /shed tends to rise up, the turbines rotate and suck the warm air out through the vent, thereby, bringing a drop in the temperature of the shed and allowing supply of fresh air through doors and windows. Powered by wind, our range of Wind Driven Turbo Ventilators work effectively in low wind velocity and can withstand high velocity of wind as well.



COMPARISON BETWEEN STANDARD TURBO VENTILATOR & ADVANCED TURBO VENTILATOR

	Standard	Advanced
Design	Spherical vane	Vertical vane
Top bearing	Ball bearing	Double row ball bearing
Bottom bearing	Ball bearing	No bottom bearing
Completely enclosed & dust-proof integrated bearing housing	Yes	Yes
Wind speed in km./ hr. at which ventilator starts rotating	< 1	< 1
Resistance to high wind loads	High	Very High
Material thickness of Vanes / Blades in mm.	0.5	0.71
No. of Vanes	42	24
Suitable for dusty / smoky / sooty / oily / harsh conditions	Yes	Yes
Exhaust capacity	High	Very High
Ventilator material	Aluminium	Aluminium
Shaft	SS	SS

DISCHARGE CAPACITY IN CFT / HR AT STACK HEIGHT OF 9 MTR

Wind Speed in km. / hr.	3	4	5	6	7	8	9	10	11	12
Standard Ventilator	44000	52000	59000	67000	75000	82000	90000	98000	105000	113000
Advanced Ventilator	62000	72000	83000	94000	104000	115000	126000	137000	147000	158000