



BIG BIRD Ventilator

Enjoy Natural Air In Your Premises



RESIDENTIAL, COMMERCIAL & INDUSTRIAL APPLICATION

HEALTHY LIVING

BIG BIRD Ventilators are free spinning roof ventilators that provide fresh air in your roof space and living area all year round 24 hours a day free of charge.

NO COST OPERATION

BIG BIRD Ventilators are self-contained, wind powered and requires no electricity or wiring. A slight breeze is sufficient to spin the rotary surfaces but even without wind it still ventilates.

REDUCED POWER COSTS

Through proper ventilation, your working and living environment would not be so hot, humid and damp. This will reduce power consumption of air-conditioners and fans.

INCREASE PRODUCTIVITY

By promoting healthier and more comfortable working environment through proper ventilation.

REMOVE ODOUR AND SMOKE

Industrial fumes, kitchen & cigarette odour/smoke, insect repellent odour etc, would be removed through Ventilators.

REDUCE MAINTENANCE COSTS

- Heat trapped in ceiling space can cause electrical wiring to dry and crack.
- Rising damp in winter causes plaster to crack and damage paintwork.
- Metal fittings in attic can corrode.
- Trapped moisture causes mildew on ceiling & moulds on roofing tiles.
- By getting rid of the hot and damp air, the above problems can be eliminated.



Typical 10" Round Base
Ventilator Price
R250 - R300

Round Base
Ventilator Price
R250 - R300



With proper attic ventilation
heat or will be removed
making the living area cooler
and more comfortable in
both summer

Without proper attic
ventilation, heat and moisture
will be trapped in your
living area.



Indoor Air Quality

MODERN PRODUCTS CC

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WHAT IS VENTILATION?

The word "Ventilate" is defined in the dictionary as "to let fresh air into (a room or building)" and a "ventilator" is defined as "an opening or device, such as a fan, used to let fresh air into a room or building."

A room or building needs ventilation for one or more of the following reasons:

1. Trapped air accumulates heat.
2. Trapped air becomes contaminated with toxic fumes, particles & odours.
3. Trapped air becomes saturated with water vapour.
4. Trapped air becomes depleted of oxygen causing stuffiness.
5. Trapped air causes deterioration in quality of material manufactured and stored.
6. Trapped air causes lower productivity, restlessness and other undesired effects.
7. Smoke and fumes from fire, choke inhabitants and cause fire to spread.

The most cost effective form of ventilation would be a hole in the roof, as this would allow the air to escape naturally. However, this is generally impractical as a hole will allow dust, rain, etc., to enter the building. We have got a unique solution for the above ventilation problems.

BIG BIRD TURBINE VENTILATOR is the only and most economical solution for all your ventilation problems.

WORKING PRINCIPLE OF BIG BIRD TURBINE VENTILATOR

BIG BIRD TURBINE VENTILATOR is a combination of both natural and forced air ventilation system. It is free spinning roof ventilator which works on free wind energy. It functions as a natural ventilator when there is a difference in thermal or wind pressure between the inside and outside of the building which forces the air to move through the opening of the ventilator. It also acts as a forced ventilation system when the **TURBINE VENTILATOR** rotates to create a negative pressure within the building. Cooler air from outside will rush into the negative space within the building in order to maintain an equilibrium condition.

SPECIAL FEATURES OF BIG BIRD TURBINE VENTILATOR

- Globally accepted Technology.
- No operating cost as it works on free wind energy.
- It is a free spinning ventilator that provides fresh air in your roof space and living area, the whole year round, 24 hours a day at zero operating costs.
- Light weight, strong and durable construction for resistance against extreme climatic conditions.
- Maintenance free "Fit and Forget".
- No bearings used in the entire system, so no need to replace bearing.
- Rigid spider type frame, constructed to withstand Cyclones, Storms and Twisters.
- Whisper quiet in operation.
- Easy and Quick installation on any roof profile.
- 36 Aerofoil blades with groove to deflect water and dust.
- Dynamically balanced for frictionless rotation, also at lowest wind velocity.
- Enhances the architectural and aesthetic appearance of the building.
- Continuous positive extraction of the **TURBINE VENTILATOR** eliminates heat, dust, fume penetration and a down-draught into the building to ensure a cleaner and healthier working environment.
- Increases productivity by promoting healthier and more comfortable working environment through proper ventilation.
- Variety of models available to suite different application.

APPLICATIONS

Automobile Industry • Food Industry • Textiles (Spinning • Twisting • Sizing • Weaving • Dyeing • Knitting • Processing)
• Chemical Industry • Engineering Industry (Large Size Vessels • Tanks Evacuation during Welding) • Pharmaceutical Industry • Boiler House • Foundry • Power Generation House • Restaurants • Public Halls • Residents • Etc.

