



GREEN ROOF VENTILATORS

ZERO Power
Consumption
Maintenance

GREEN ROOF VENTILATORS

Lijan Group, Head quartered in Dubai, United Arab Emirates, established since 2004 specializes in providing turnkey solutions in all kinds of Insulation and climatization systems for Industrial & Commercial sectors. Our wind driven Turbo ventilators, enhances natural ventilation in factories, warehouses and other Industrial & commercial facilities, The ventilators have been designed and manufactured by **M/s ARTITH MACHINERY LTD, THAILAND** who are pioneers in the field of both industrial & domestic ventilation since 1984.

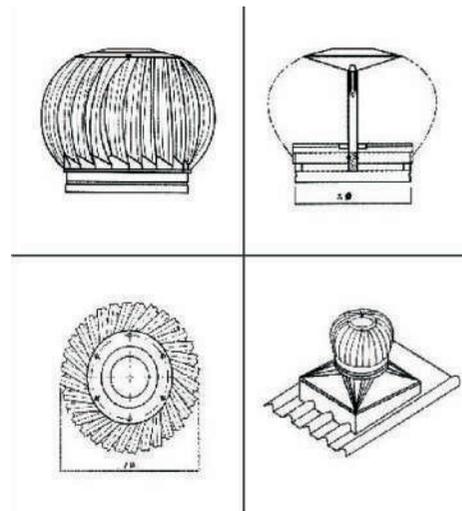


DYNAMICS OF TURBO VENTILATORS

Turbo roof ventilators consist of a turbine, adaptor and base. The turbine starts spinning at slightest breeze thereby inducing air flow by centrifugal action. The centrifugal force creates a region of low pressure within the turbine there by drawing out air from the roof space. Low velocity wind maintains the centripetal force required by the turbine to remain in motion and thereby ensure suction.

ADVANTAGES

- 0% Power consumption & operational cost
- Assured ventilation for 24 x 7
- Maintenance free: construction without bearing prevent wear and tear
- Silent operation
- Disperses foul smell and maintains hygienic condition
- Improves working conditions and increases productivity
- Easy installation and Eco friendly
- Highly durable and compatible to all Roof types
- Replaces super-heated attic air with fresh air thereby lowering roof space temperature and humidity



Size Ø (A)	Number of Blades	Diameter (Impeller) Ø (B)	Weight (kg)	The efficiency of the Ventilation (Average speed 6 Miles/Hour)
18"	30	22.5"	3.4	92.000 CFH
22"	36	28"	7.2	170.000 CFH
25"	42	30"	8.2	190.000 CFH
39"	54	46"	19.2	350.000 CFH