deco roof®

Proudly made in Kenya by Sai Raj

STAINLESS STEEL ROOF VENTILATOR COMPLETE WITH CLEAR POLYCARBONATE SOAKER SHEET

Innovating Engineering - Renovating Life

deco roof® roof ventilators are manufactured using stainless steel anti-rust components for roof air extraction. Because they are self-propelling, wind-driven appliances, they do not require electrical power to operate, making them environmentally friendly, silent and cost-effective.

deco roof® Roof Ventilators apply the theory of convection between natural wind and air to accelerate and transform any parallel airflow into vertical so as to improve the indoor ventilation. The hot air rises and cold air falls, which makes the fan rotate - so the indoor heat, stink and dust are exhausted effectively. It can also effectively remove indoor soot, smoke, odour, moisture, heat, decorative harmful gases, dust, human metabolism and other dirty, volatile mixed-doped odour as well as viruses and bacterial invasion. As a result, it improves the working environment, protects workers' health and enhances the working efficiency.

APPLICATIONS

- Go downs
- Public buildings
- Industrial structures
- Warehouses
- Chemical & pharmaceutical plants
- Metal processing facilities
- Schools & leaning institutions
- Multipurpose halls
- Food manufacturing plants
- Sports & recreational facilities
- Banks
- Breweries
- Garages
- Churches

BENEFITS

- Cost-effective
- Maintenance free
- Environmentally friendly
- 100% power saving
- Silent & efficient operation
- Waterproof
- Weather resistant
- Zero operational cost
- Works with wind
- Rustproof
- Easy & fast installation
- Thermally insulating
- Excellent fire performance
- Provides high level of natural light

deco roof® Polycarbonate Soaker Baseplates are a top choice for professionals. Lightweight and easy to install, they align perfectly with IT6 Profile DecoRoof sheets, making them ideal for workshops, buildings, greenhouses, and warehouses.

With a co-extruded UV coating blocking over 99% of UV rays, they offer superior weather resistance. Available in 1.2 mm thickness, they withstand harsh conditions. Stainless steel turbo ventilators provide durable, high quality ventilation solutions for a comfortable environment.






deco roof® STAINLESS STEEL ROOF VENTILATOR

The number of deco roof® stainless steel roof ventilators required for a building are calculated as follows:

No. of ventilators = {(V x ACR)/60} / (EX/c)

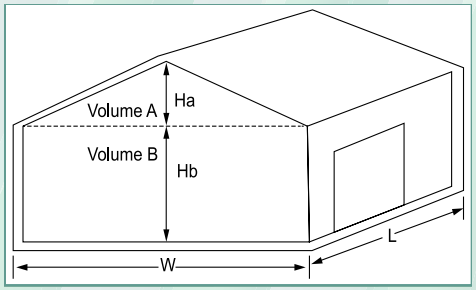
Where

V (Cubic feet) = Volume of Section A + Volume of Section B

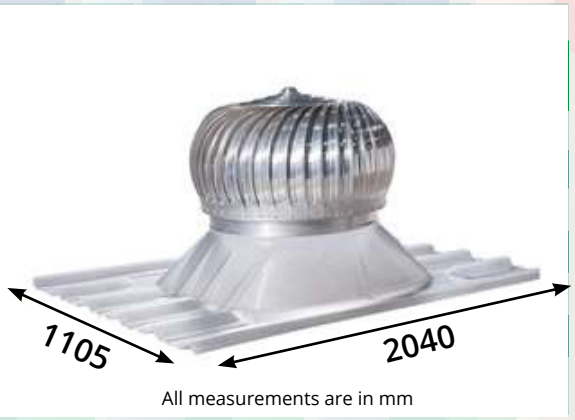
= (0.5 x L x W x Ha) + (L x W x Hb)

ACR = Air Change Rate per Hour

EX/c = Exhaust Capacity of Ventilator (Km/h)



All measurements are in mm



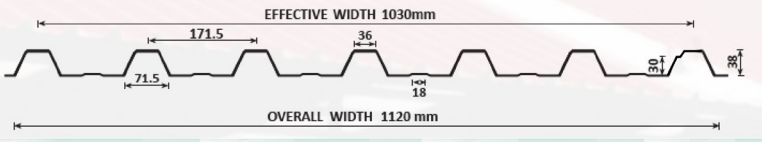
All measurements are in mm

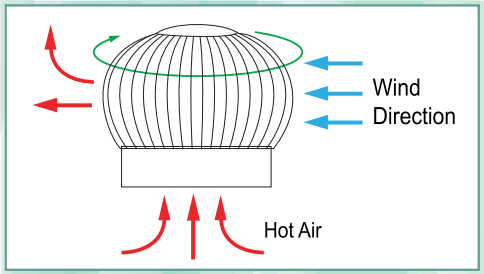
COMMON AIR CHANGES

The table below shows common Air Change Rate per Hour (ACR) for various buildings / rooms.

BUILDING / ROOM APPLICATION	AIR CHANGE RATE PER HOUR (ACR)	BUILDING / ROOM APPLICATION	AIR CHANGE RATE PER HOUR (ACR)
Assembly Halls	06 - 12	Chemical Plants	30 - 60
Auditoriums	04 - 12	Laundries	12 - 30
Bakeries	12 - 20	Paper Mills	08 - 30
Boiler Rooms	15 - 60	Textile Mills	08 - 15
Breweries	08 - 30	Packing Rooms	08 - 30
Class Rooms	10 - 15	Restaurants	06 - 10
Engine Rooms	12 - 30	Paint Shops	20 - 30
Garages	06 - 08	Warehouses	05 - 08
Factories & Workshops	20 - 40	Foundries	10 - 30
Churches	08 - 15	Hospital Wards	04 - 06

IT6 Profile





Operation Mechanism of the Stainless Steel Decoroof Roof Ventilator

A quality product by

sai raj

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