

Turbine Ventilator



Technical Specification



Silver



Gold



Platinum

Description	Silver		Gold		Platinum
	ALSS21&24	SS21&24	GTSS-610	GTSS-610	GTSS-610
Turbine Dia	24 & 28 Inches	24 & 28 Inches	28 Inches	28 Inches	28 Inches
Throat Dia	21 & 24 Inches	21 & 24 Inches	24 Inches	24 Inches	24 Inches
Height	16 Inches	16 Inches	18 Inches	18 Inches	18 Inches
Vanes/Blades	39 Vanes, Aluminum 0.4 Thickness	39 Vanes, SS 0.3 Thickness	42 Vanes Aluminum Thick 1.2mm	42 Vanes Thickness 0.5mm	42 Vanes Thickness 0.5mm
Base Ring	Stainless Steel 430		Stainless Steel 430	Thickness 0.5mm	Stainless Steel 430, Thickness 0.5mm
Top Plate	Stainless Steel 430		Aluminum Thick 1.2mm	Thickness 0.8mm	
Rotation	Twin Bearing Ensure Frictionless Rotation Even At Low Wind Velocity		Twin Sealed 6000ZZ bearings and self-Lubricating bush of Dupont Zytel 101L Polyamide 66 resin to ensure frictionless Rotation even at lowest wind velocity		
Center Shaft	G.I High Carbon Steel Zinc Plating		Stainless Steel 12mm	Stainless Steel 202	Stainless Steel 304
Inner Arms	G.I with Electro Zinc Plating		M.S. with Powder Coating		Stainless Steel 304
Outer Arms	G.I with Electro Zinc Plating		Stainless Steel		Stainless Steel 304
Number of Bearing	2				
Bearing Types	6001 2RS Self Lubricating & Sealed				
Rivets	Aluminum Alloy with Washer		Aluminum & Stainless Steel		Stainless Steel 304
Weight (Kg)	4~4.5	4.5~5	6	7	8

Polycarbonate & FRP Base Plate

Available in 1.8mm, 2mm & 3mm Thickness.

- 5 Crest
- 6 Crest
- 7 Crest
- GI Corrugated 16 Crest
- Asbestos Cement



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- (A)LENGTH : 1700MM
 (B)WIDTH : 1003MM
 (C)THICKNES : 2MM ROUND OF
 (D)HEIGHT : 380MM
 (E)WEIGHT : 4KG

Quick Calculation

Calculation to decide the number of *TURBOVNETS*

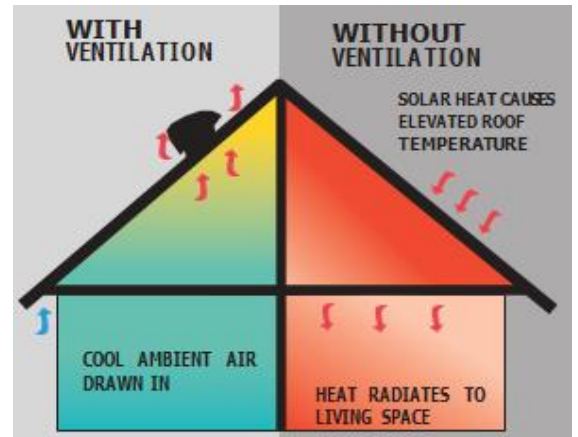
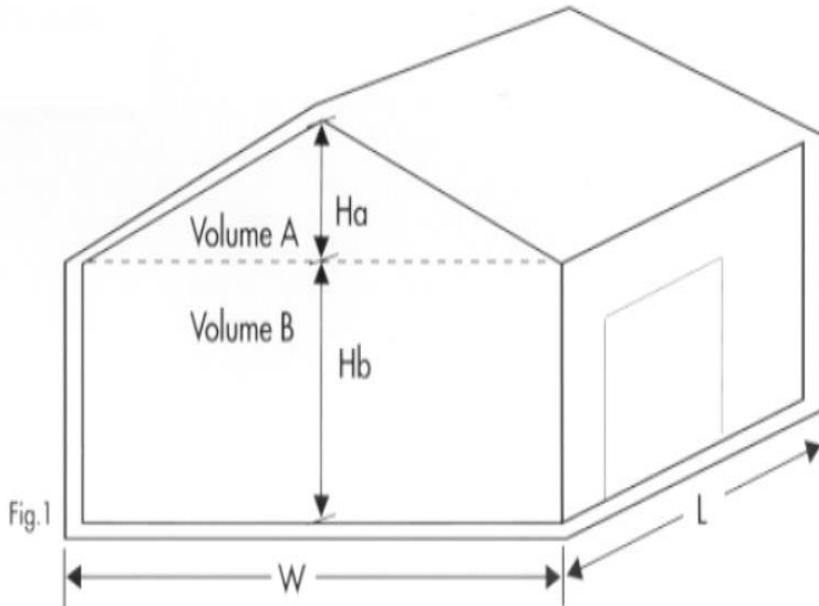
1. Determine the volume of the building in Cubic Meter. (Fig. 1)

Volume of section A = $0.5 \times L \times W \times H_a$ (all dimensions in Meters)

Volume of section B = $L \times W \times H_b$ (all dimensions in Meters)

Total building volume = Volume of section A + Volume of section B

Note: For factories, the combined volume A + B should be used.



2. Calculate the number of ventilators required:

$$\text{No. of Ventilators} = \frac{V \times A/\text{ch}}{\text{EX}/c \times 3.6}$$

Where:

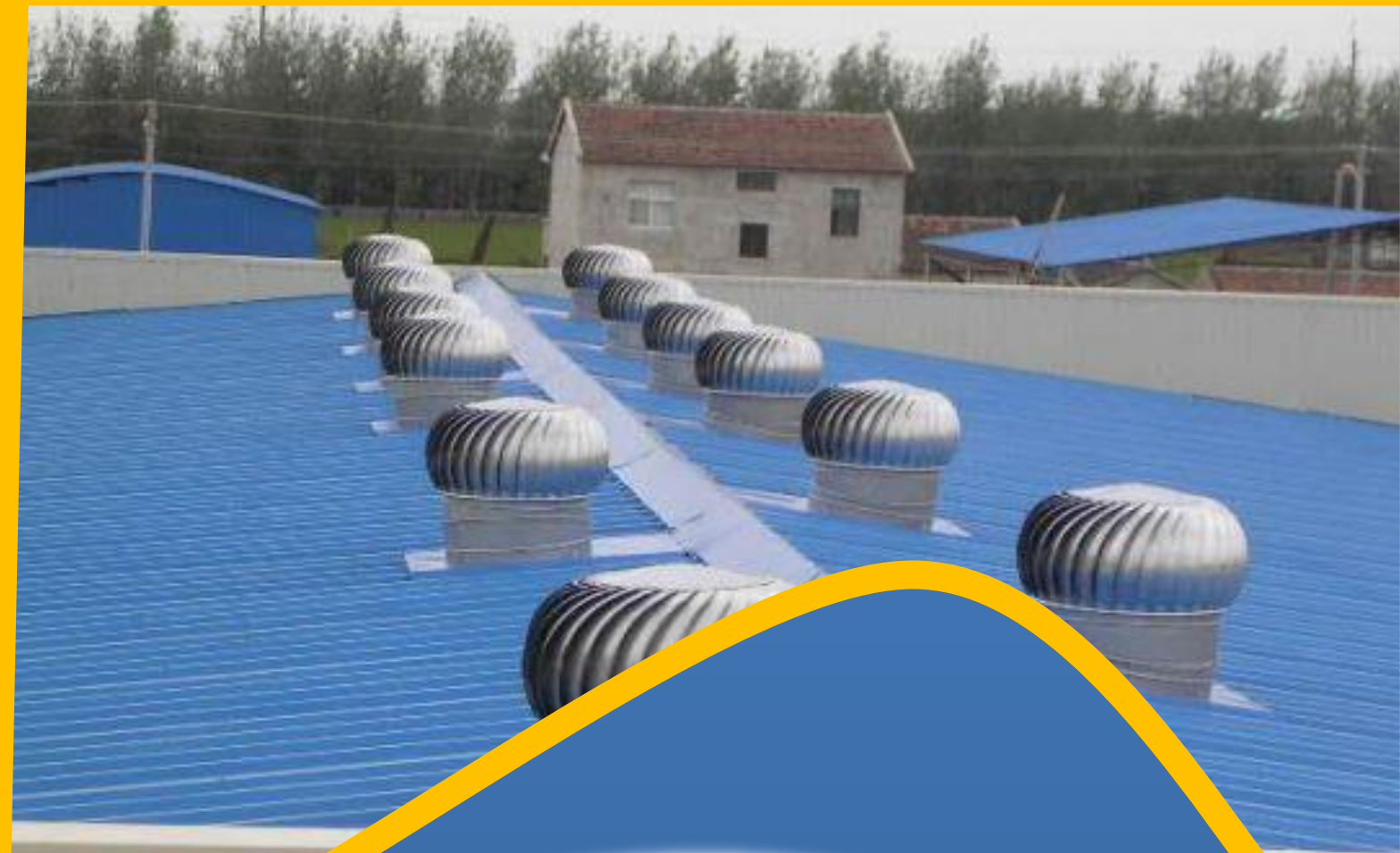
V = Volume of building or roof space

A/ch = Air changes per hour (refer ACH table)

EX/c = Exhaust capacity of ventilator (refer Exhaust Capacity table above)

Note : 3.6 Converts m^3/hr to litres/second





Call us for any assistance : 8287-885-885

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