



GOLDEN TURBOVENT Model GT SS 304 – 610 (Stainless Steel 304 Grade)



TECHNICAL SPECIFICATION:-

Model	GT SS 304 - 610 (Stainless Steel 304)
Turbine Diameter	760 mm
Neck/Throat Diameter	610 mm
No. of Vanes(Blades)	42 Vanes
Height	460mm
Base Ring MOC (Mounting Ring)	Stainless Steel 304 Thickness 0.5mm
Top Plate MOC	Stainless Steel 304 Thickness 0.8mm
Vanes MOC	Stainless Steel 304 Thickness 0.3mm
Rotation	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	Stainless Steel 304
Inner Arms	Stainless Steel 304
Outer Arms	Stainless Steel 304
Center Pipe	Stainless Steel 304
Rivets & Hardware	Stainless Steel 304
Net Weight	8 Kgs (Approx.)
Packing	5 ply seaworthy carton size 30"x30"x19"

Note : Golden Engineering Co. Pvt. Ltd. Reserves the right to make changes owing to regular product development
*Powder Coating is done with Epoxy Polyester Powders for excellent corrosion resistance.

EXHAUST CAPACITY :-

Wind Velocity	TURBOVENT GT SS 304 - 610 Exhaust capacity	
	Litres/Second	CFM
04 Kmh	700	1485 CFM
08 Kmh	920	1950 CFM
12 Kmh	1500	3178 CFM
18 Kmh	2080	4407 CFM
24 Kmh	2650	5615 CFM

*Multiply Litres/Second with 2.118 to convert it into CFM

Quick Calculation

Calculation to decide the number of *TURBOVNETS*

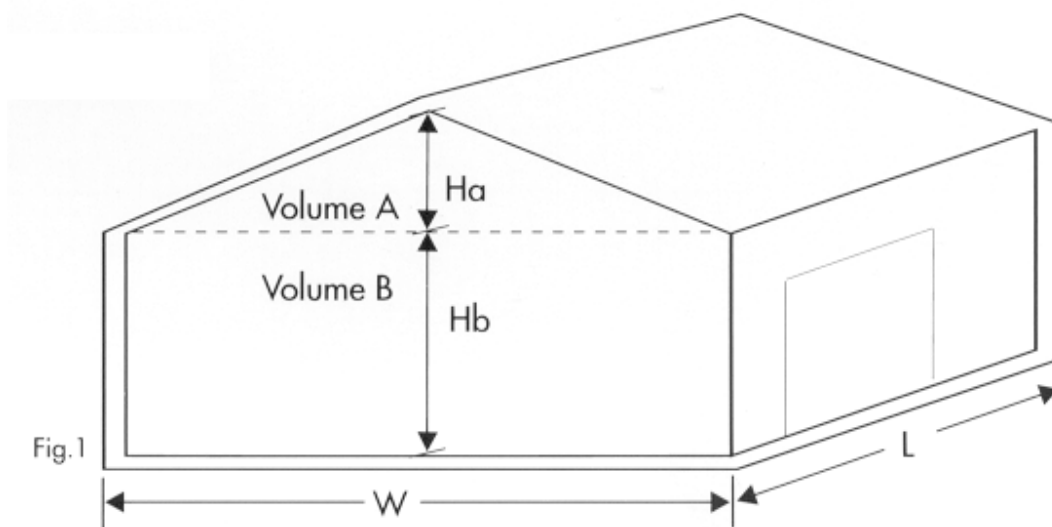
1. Determine the volume of the building in Cubic Meter. (Fig. 1)

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

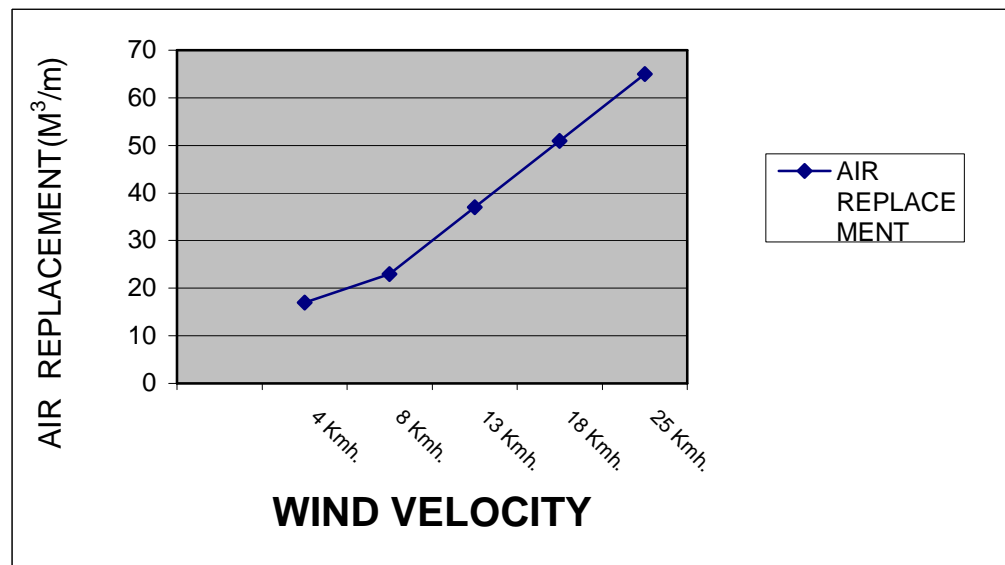
A/ch = Air changes per hour (refer ACH table)

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

Note : 3.6 Converts m³/hr to litres/second.

ACH TABLE

Recommended Air Change Per Hour			
Commercial Premises	ACH	Industrial Premises	ACH
Assembly rooms	04-08	Boiler rooms	10-15
Bakeries	10-20	Dye works	08-15
Banks	03-04	Electroplating shops	10-15
Cafes and coffee bars	10-12	Generator rooms	08-15
Canteens	05-10	Factories and workshops	04-12
Cinemas and theatres	05-08	Foundries	10-15
Conference rooms	08-12	Laundries	08-15
Dancehalls	06-08	Paint shops	08-15
Entrance halls	03-05	Stores and warehouses	04-08
Garages	06-08	Welding shops	10-15
Gymnasiums	06-12		
Hair dressing salons	10-15		
Hospital sterilizing wards	04-06		
Commercial kitchens	10-20		
Laboratories	08-12		
Launderettes	15-25		
Lavatories	08-15		
Libraries	03-05		
Offices	04-08		
Photo and X-ray	10-15		
darkrooms	10-12		
Recording studios	06-10		
Restaurants	02-04		
Schoolrooms			





GNFC LIMITED (BHARUCH) Total Qty. 48 Nos Model GT SS – 610 (GT-24"/30")SS 304 Grade



Model : GT SS 430 – 610 (Stainless Steel 430 Grade) with Polycarbonate Venturi Dome



SWITCH TO Green



SWITCH TO **GOLDEN**
Turbovent



GOLDEN
Engineering Company Pvt. Ltd

Designed to lead

- » Established since 1991
- » Experience Counts, over 49,000 Turbovents supplied & installed since 2002.
- » Widest Range: Neck diameters of 4, 12, 14, 18, 21, 24, 28, 32 & 36 inches.
- » Genuine Warranty and Reliable after sales service.
- » Strong presence in National & International Market with exports to UK, Spain, UAE, Oman, Syria, Egypt, Kenya & South Africa.



Golden Engineering Company Pvt. Ltd.

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