

GREENTEC

Making things better



High Volume Low Speed Fans

- Summer Cooling - Winter Destratification
- Save Up to 30% on Fuel energy Costs
- 6 Blades, Fan Sizes up to 4000mm
- Spring and Autumn Ventilation



GREENTEC

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Benefits of Ceiling Fans

- Require lower cost for investment, installation and maintenance than traditional cooling methods.
- Cut energy consumption for heating. Provide eco-friendly and economic solutions.
- Assist in the removal of contaminant and heat.
- Help reduce condensation on floors and equipments.
- Work coordinated with high velocity fans and other air conditioning systems.
- The maximum flow speed indoor should be below 3m/s
- No direct blow to the human body
- No close to the human body
- Generally improves air quality when used in conjunction with any air make-up system by assuring a good air mixture and diluting stale contaminated air.

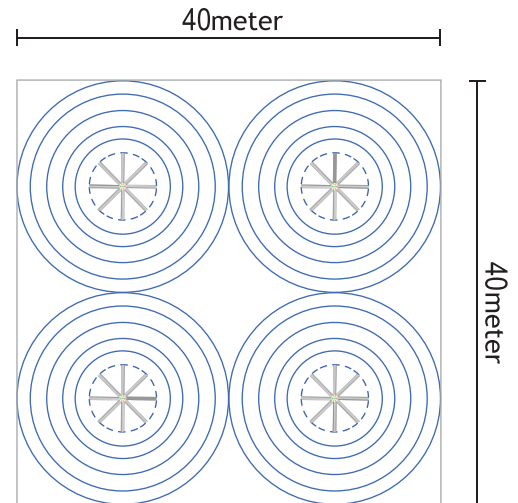
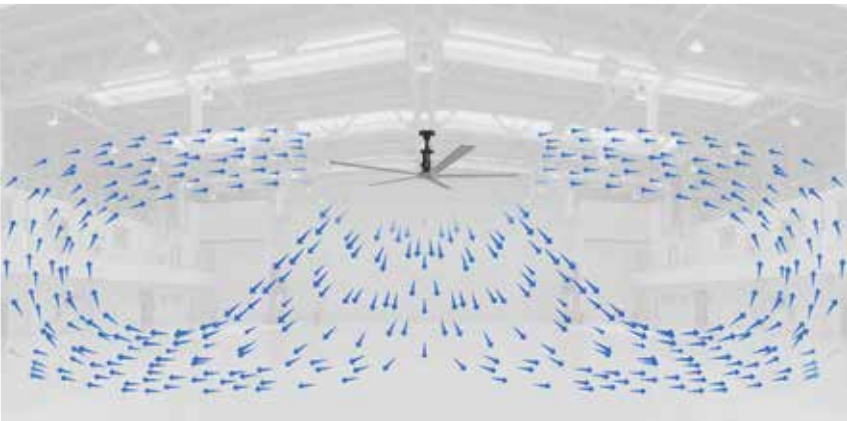


➤ Reduce Energy Costs with Hight Volume Low Speed Fans

COMPARISION TABLE									
Size(mm)		Moto size(Kw)		Max speed(RPM)		Max(Air disp. CMM)		Area cover(M2)	
Traditional fans	HVLS fans	Traditional fans	HVLS fans	Traditional fans	HVLS fans	Traditional fans	HVLS fans	Traditional fans	HVLS fans
500	2500	0.14	0.55	1400	115	120	3000	20	113
600	3000	0.18	0.75	1400	90	150	6000	24	154
750	4000	0.36	1.1	1400	65	300	15000	28	314

Application Attribute	HVLS Fan	Traditional fans
Maitenance - free	✓	✗
Comfortableness	✓	✗
Handle ability	✓	✗
Manageability	✓	✗
Overall ventilation	✓	✗
Working life	✓	✗

➤ Airflow and converage area



Features

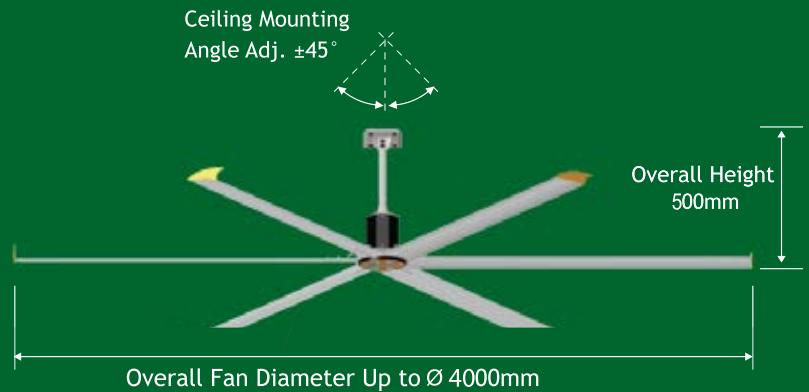
- IP55 water tight protection rated motor
- Barely audible noise
- 24/7 continuous operation
- 6 high performance aerofoil shaped blades
- Extruded aluminium blades for high Strength and durability
- Robust steel structure and chassis for long life and high tensile strength
- Hub cover to protect the motor from dust and better aesthetics.
- Key safety features (main security wire, additional stabilizing cables, hub safety ring).
- Aerodynamically shaped winglets to enhance performance and reduce noise
- Simple electrical connections.

Fan control panel

- Speed Control Device(inverter)
- Operating Mode Selection
- External Ventilation
- Vary speed adjust
- Option: 3 phase 380V / 1 phase 220V



Dimensions Requirement



➤ Summer Cooling



Before Greentec

Body conducts heat into the air layer

After Greentec

Cooling by air movement

- Require lower cost for investment, installation and maintenance than traditional cooling methods.
- Improve worker comfort, enhance productivity with minimum energy consumption.

➤ Winter Destratification



Before Greentec

Heated air collects at ceiling

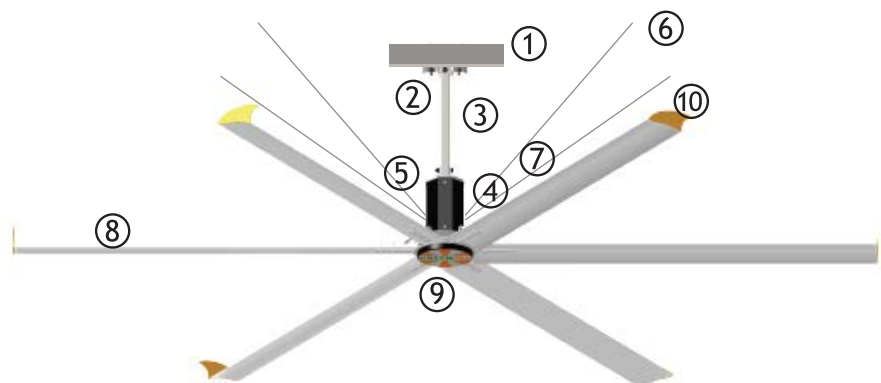
After Greentec

HVLS Fans Supply w air destratification

- Cut energy consumption for heating. Provide eco-friendly and economic solutions.
- Bring heated air at the ceiling down to the floor. Supply warm air destratification.

➤ Structure Safely

- ① Mounting structure
- ② Flange connector
- ③ Down rod
- ④ Motor
- ⑤ Cover
- ⑥ Secure safety cable
- ⑦ Double pivot adjustable mount
- ⑧ Blade
- ⑨ Safety ring
- ⑩ Wingtips



➤ Technical Specification

Order Code	Blades	Fan Diameter Ø (mm)	Maximum Speed (Rpm)	Motor Power (KW)	Airflow (m ³ /s)	Coverage Area (m ²)	Coverage Diameter D (m)	Weight ±3% (kg)
GTFB6-2500	6	2500	115	0.55	31	113	12	65
GTFB6-3000	6	3000	90	0.75	46	154	14	75
GTFB8-3500	8	3500	70	1.1	67	201	16	104
GTFB8-4000	8	4000	65	1.1	120	314	20	107

- Weight of fans change depending on the lenght and design of mounting brackets.
- Converage area is affected by objects such as abstruacting the airflow. (columns, walls, machines, furnitures...)
- We provide different size and different blade coulor as customer requirement.
- Standard: power supply is 3P 380V and option: 1P 220V, 3P 220V

➤ Recommended Applications



- Places Where Maximum Air Movement is Required (Factory, Workshop...)



- Large Buildings With High Ceilings (Warehouses, Hangars, Industrial Facilities, Farm...)



- Intensively Used Areas Where People Come Together (Entertaining Centers, Cafeterias, Libraries, Museums, Theater, Opera, Concert Halls, Fair Exhibition Centers, Showrooms)