

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 7300mm
- 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.

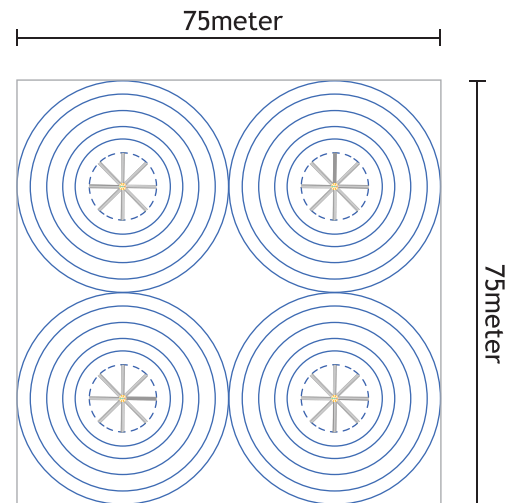
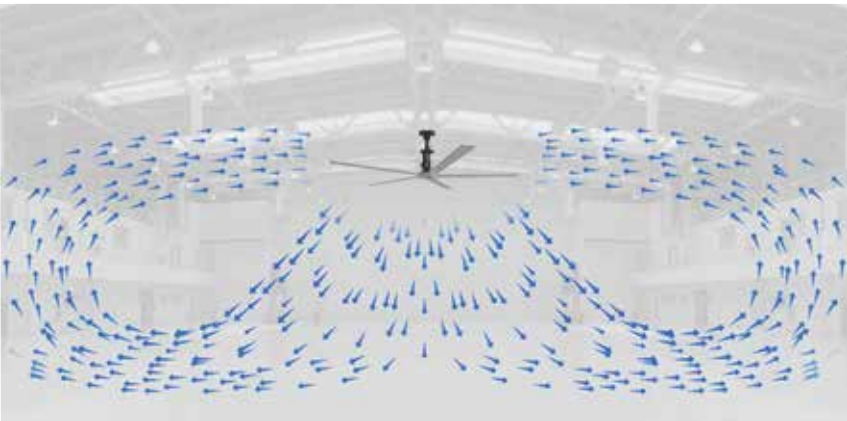


➤ Reduce Energy Costs with Hight Volume Low Speed Fans

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	5500	0.14	1.1	1400	55	120	20000	20	750
600	6100	0.18	1.5	1400	50	150	24000	24	1000
750	7300	0.36	1.5	1400	45	300	30000	28	1250

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

➤ Airflow and converage area



Features

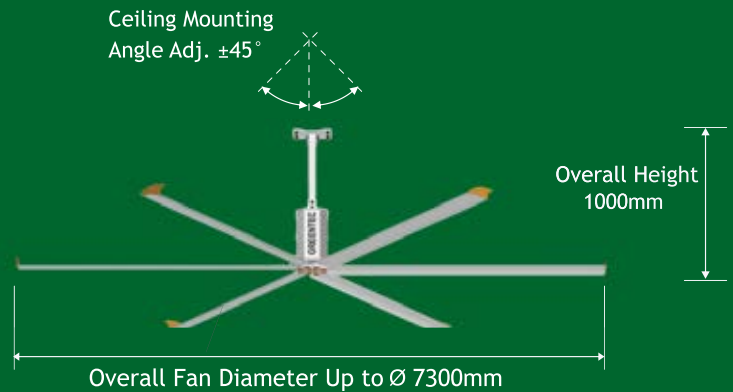
- IP55 water tight protection rated motor
- Barely audible noise
- 24/7 continuous operation
- 6 high performance aerofoil shaped blades
- Extruded aluminium blades for high Strength and durability
- Robust steel structure and chassis for long life and high tensile strength
- Hub cover to protect the 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

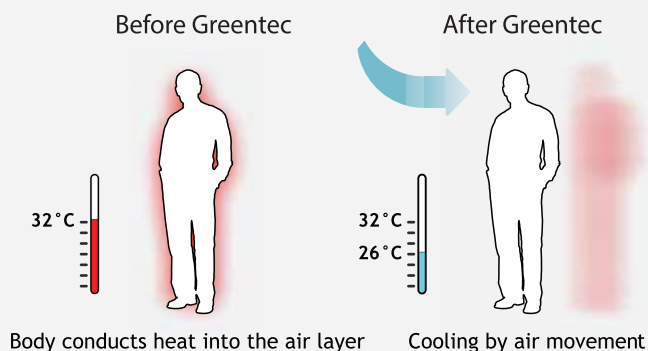
- Speed Control Device(inverter)
- Operating Mode Selection
- External Ventilation
- Vary speed adjust
- Option: 3 phase 380V / 1 phase 220V



Dimensions Requirement

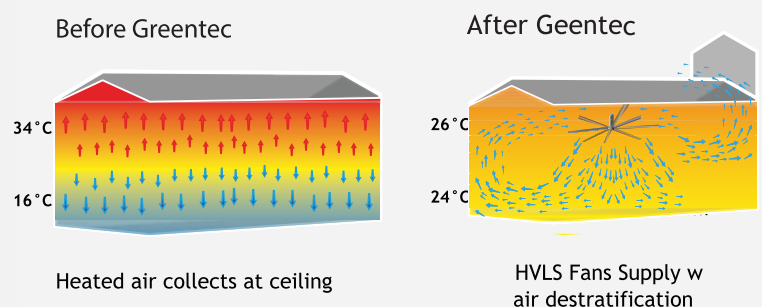


➤ Summer Cooling



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

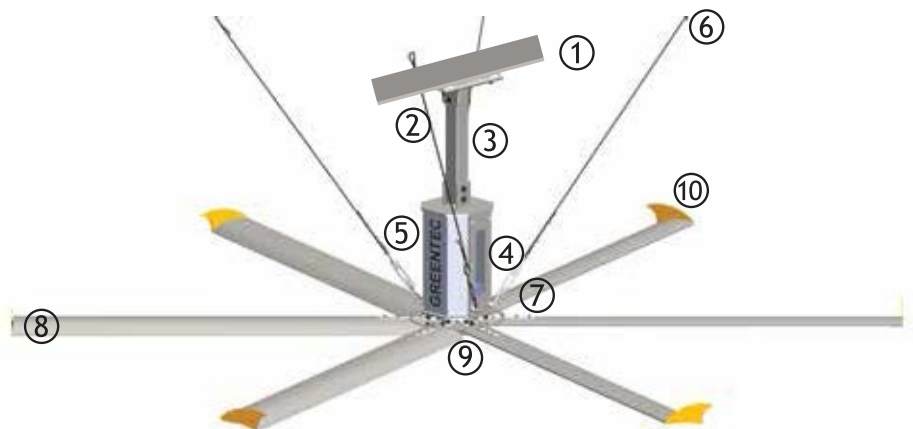
➤ Winter Destratification



- 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 (m³/s)	Coverage Area (m²)	Coverage Diameter D (m)	Weight ±3% (kg)
GTFA5-3500	5	3500	85	1.1	67	210	16	104
GTFA5-4500	5	4500	65	1.1	150	754	22	122
GTFA5-5500	5	5500	55	1.5	210	907	34	117
GTFA6-3000	6	3000	90	0.75	46	154	14	91
GTFA6-4300	6	4000	65	1.1	120	314	20	112
GTFA6-5000	6	5000	55	1.1	200	754	31	125
GTFA6-6000	6	6000	45	1.5	249	1017	36	128
GTFA6-7300	6	7300	45	1.5	264	1256	40	138

- 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 suply 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)