

Big Smart Fans

High volume low speed fans



About Us



At Lti Ventilatoren, Singapore, we produce complete range of ventilation products over a decade. Our products are required for ventilation of areas where we have to improve the Indoor Air Quality (IAQ), an important ingredient of life. With more than 30 years of experience of our colleagues in producing ventilation fans, we have been successful in setting up few manufacturing/assembly plants across the world.

Our long history of production & continuous investment in our R&D, have given us success in developing new innovative products with better efficiencies, low noise levels & compact sizes for easy installations.

Our name LTi, L-Long term T-Technical i-Innovative, supports our concept of continuous growth with our technical innovations on our existing product range & to develop new products for growing markets.

Our wide range of products includes Axial fans, Bifurcated axial fans, belt driven axial fans, Jet fans, centrifugal fans, In-line fans, mixed flow fans, special application fans for chemical resistance & battery room applications. Our customers are in domestic

sector, commercial sector, Industrial sector, power sector & infrastructure sector.

LTi Ventilatoren (Asia) Pte Ltd, established to support local markets by producing complete range of fans with national/international technologies to serve our customers locally & globally.

Our experience in the ventilation systems give our customers confidence to have most efficient/economical solutions for their ventilation requirements. This confidence in LTi & its high quality products is backed by excellent

pre/after sales services by our experienced sales & technical staff.

We provide complete designing solutions for ventilation problems. With this catalogue, we provide the complete overview of the fan type, Lti can offer to the market. For further detailed discussions & information kindly feel free to contact our local sales company/distributor/dealer worldwide.

Quality standards

Our focus is customer satisfaction. The bases for the same are best quality & accurate delivery time. We believe in quality of our products, to support this our products carries 3 years standard warranty against any manufacturing defect. The products have been tested in Singapore with PSB & AMCA for their performances. The air & sound performances are tested as per AMCA standards. The products required for high temperature applications are tested in accordance with BS/EN latest standards for different temperature & time classifications.

*No liability for errors! - Subject to technical modification

Our Projects



Project Title: ITE College & HQ @ AMK
 Consultant: Kajima
 Fan supplied : Axial, Cabinet & MIL



Project Title: The Estuary
 Contractor: Great Resources M&E Contractor Pte Ltd
 Fan supplied: Axial, Cabinet & CIL



Project Title: Suki Sushi
 Contractor: Natural Cool Airconditioning & Engineering Pte Ltd
 Fan supplied: Axial, Cabinet, CIL & Propeller



Project Title: Central Fire Station
 Contractor: BNF Engineering (S) Pte Ltd
 Fan supplied: CIL & Propeller

*Air Movement and Control
 Association International, Inc.*

Certifies that

LTI Ventilatoren (Asia) Pte Ltd

*Having satisfied the membership requirements, has been granted membership in the
 Air Movement and Control Association International, Inc.*

*Member Since
 February 2011*


 AMCA International President




 Acting Executive Director



Benefits of Big Smart Fans

Require lower cost for investment, installation and maintenance than traditional cooling methods.

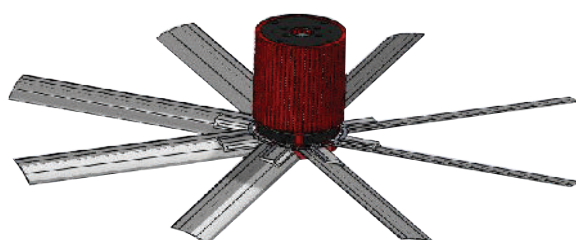
- Cut energy consumption for cooling/heating. Provide eco-friendly and economic solutions.
- Assist in the removal of contaminant and heat.
- Help to reduce condensation on floors and equipments.
- Work coordinated with high velocity fans and other air conditioning systems.
- Offer multi-fan control and adjustable fan speed.
- Offer silent operation. Supply winter destratification and summer cooling.

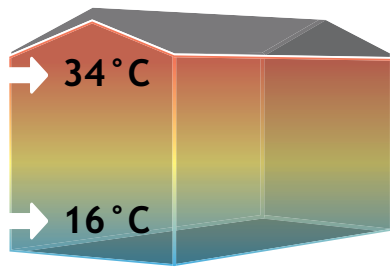
Recommended Applications

- **Large Buildings with High Ceilings**
(Fair Exhibition Centers, Malls, Shopping Centers, Showrooms, Sports Halls)
- **Places Where Maximum Air Movement is Required**
(Warehouses, Factories, Aircraft Hangars, Poultry Houses, Farms, Animal Husbandry Facilities)
- **Busy Places Where People Come Together**
(Entertaining Centers, Cafeterias, Libraries, Museums, Theater, Opera, Concert Halls)

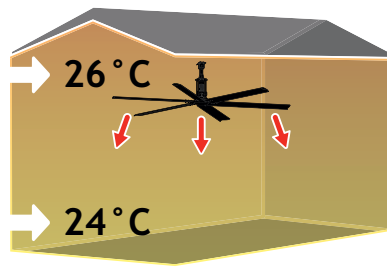
Mounting & Details

- Mounting service and custom mounting systems for customers.
- Fan can be mounted to I-beam or angle iron, for vertical installations w/o ceiling support.
- Safety cable secures the fan to the mounting structure.
- Fans are tested and simulated for best results.

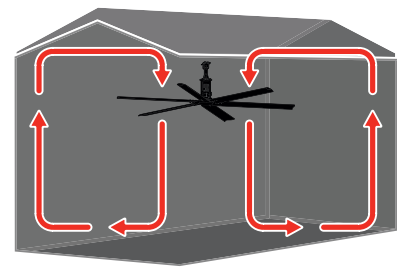




Before Ceiling Fan



After Ceiling Fan



Airflow in an Enclosed Area

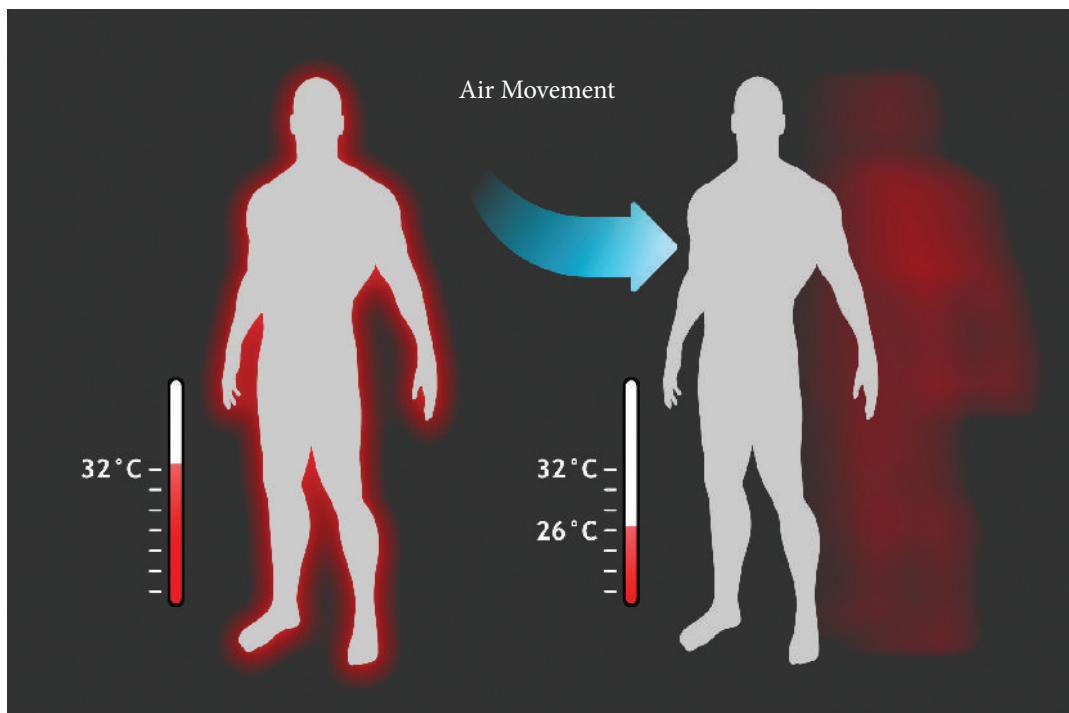


Winter Destratification

- 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

Body conducts heat into the air layer.

- The real feel temperature is consideration of temperature, air movement and dew point.
- Air movement doesn't affect temperature but makes feel cooler by removing body heat.



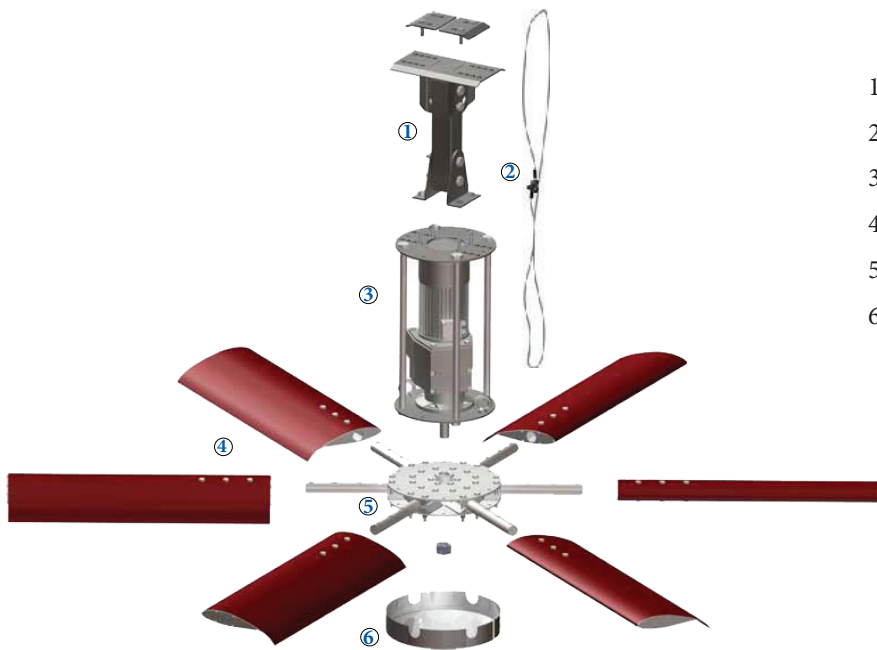
Body conducts heat into the air layer.

Cooling with air movement.



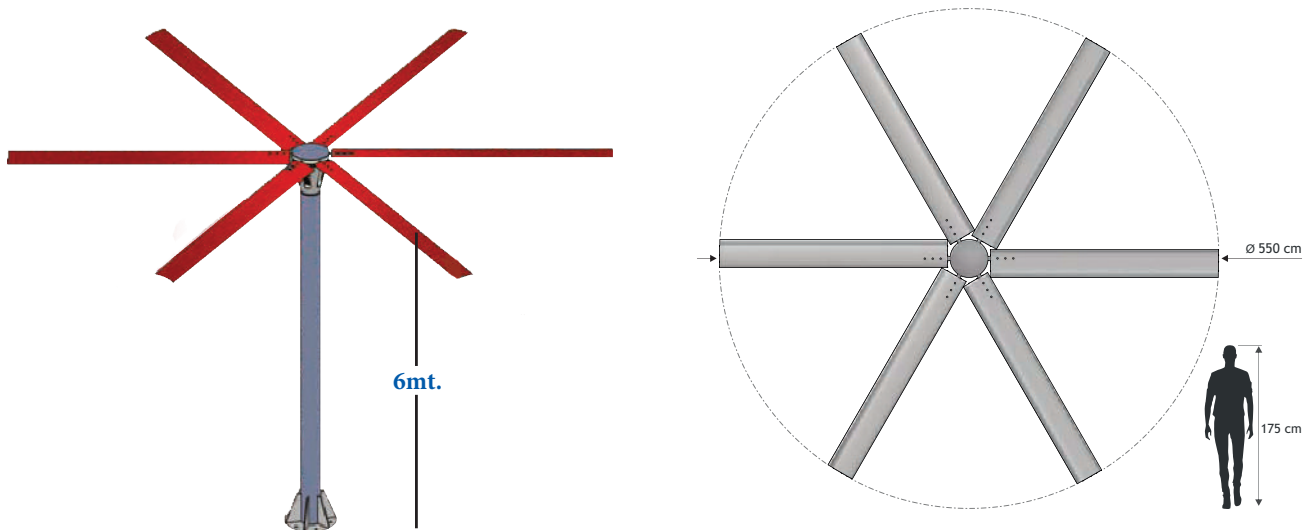
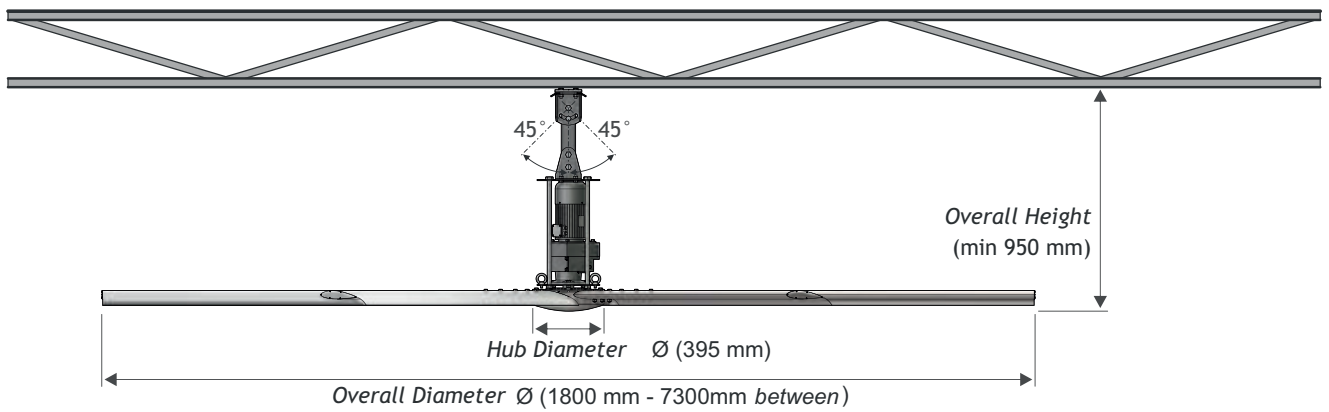
Summer Cooling

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



- 1 Single Pivot Adjustable Mount
- 2 Secure Safety Cable
- 3 Gear Reduction Motor
- 4 Fan Blades
- 5 Fan Hub
- 6 Bottom Cover

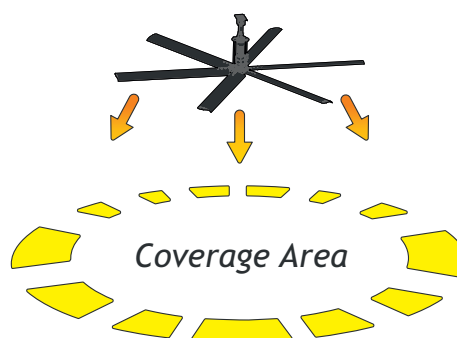
Dimensions



Technical Specifications

Model	Diameter Ø	Motor	Air flow	Coverage Area	Speed (RPM)	Weight (kg)
BSF2500	2500mm	1.1 KW	29 m ³ /s	370 m ²	150-160	105
BSF3000	3000mm	1.1 KW	38 m ³ /s	520 m ²	90-100	110
BSF3500	3500mm	1.1 KW	53 m ³ /s	650 m ²	90-100	113
BSF4000	4000mm	1.5 KW	60 m ³ /s	740 m ²	80-90	116
BSF4500	4500mm	1.5 KW	69 m ³ /s	1050 m ²	60-70	120
BSF5000	5000mm	1.5 KW	81 m ³ /s	1300 m ²	60-70	125
BSF5500	5500mm	2.2 KW	90 m ³ /s	1420 m ²	50-60	128
BSF6500	6500mm	2.2 KW	135 m ³ /s	1600 m ²	50-60	135
BSF7300	7300mm	2.2 KW	160 m ³ /s	1750 m ²	40-50	184

Model	Diameter Ø	Pole Length	Motor	Air flow	Coverage Area	Speed (RPM)	Weight (kg)
BSFP2500	2500mm	3000mm	0.75 KW	32 m ³ /s	390 m ²	max. 188	178
BSFP3000	3000mm	4000mm	1.1 KW	38 m ³ /s	520 m ²	max. 94	206
BSFP3500	3500mm	4000mm	1.1 KW	53 m ³ /s	650 m ²	max. 94	210
BSFP4000	4000mm	5000mm	1.1 KW	60 m ³ /s	740 m ²	max. 94	251
BSFP4500	4500mm	5000mm	1.5 KW	69 m ³ /s	900 m ²	max. 61	255
BSFP5100	5100mm	6000mm	1.5 KW	81 m ³ /s	1250 m ²	max. 61	291
BSFP5500	5500mm	6000mm	2.2 KW	90 m ³ /s	1420 m ²	max. 61	293
BSFP6500	6500mm	6100mm	2.2 KW	135 m ³ /s	1600 m ²	max. 65	306
BSFP7300	7300mm	7100mm	2.2 KW	160 m ³ /s	1750 m ²	max. 50	184



Fan Control Cabinet

- Supply voltage 220 volt (1 ~)
- Speed control Device (1 - 1.5 - 2.2 KW)
- Panel dimensions 300 x 400 x 170 mm
- IP 54 protected
- Motor supply volt. 400V (3~)
- Speed setting potentiometer
- Operating mode selector switch



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*subject to technical modification