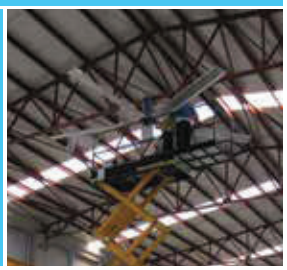
Big Smart Fans

High volume low speed fans



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Benefits of Big Smart Fans

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

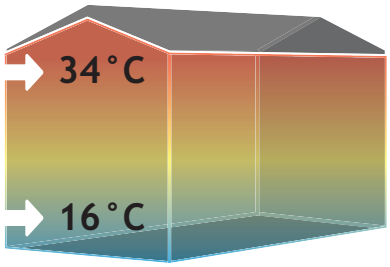
- Cut energy consumption for cooling/heating. Provide eco-friendly and economic solutions.
- Assist in the removal of contaminant and heat.
- Help to reduce condensation on floors and equipments.
- Work coordinated with high velocity fans and other air conditioning systems.
- Offer multi-fan control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

Recommended Applicaitons

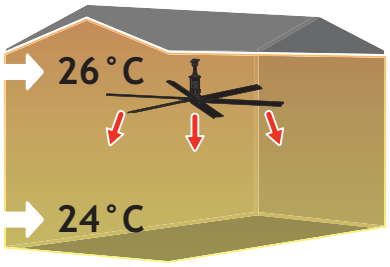
- **Large Buildings with High Ceilings**
  (Fair Exhibition Centers, Malls, Shopping Centers, Showrooms, Sports Halls)
- **Places Where Maximum Air Movement is Required**
  (Warehouses, Factories, Aircraft Hangars, Poultry Houses, Farms, Animal Husbandry Facilities)
- **Busy Places Where People Come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

Mounting & Details

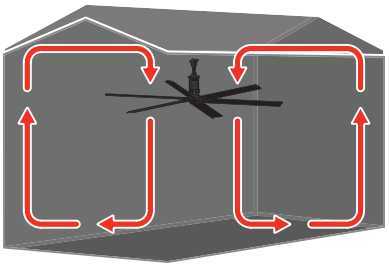
- Mounting service and custom mounting systems for customers.
- Fan can be mounted to I-beam or angle iron, for vertical installations w/o ceilling support.
- Safety cable secures the fan to the mounting structure.
- Fans are tested and simulated for best results.



Before Ceiling Fan



After Ceiling Fan



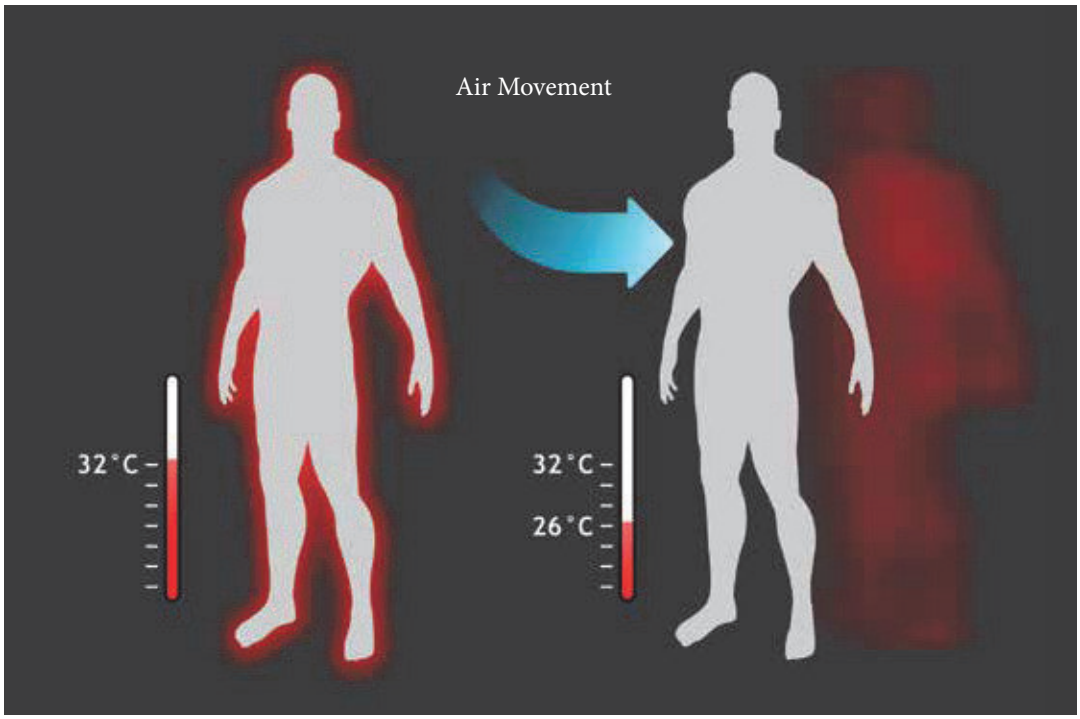
Airflow in an Enclosed Area

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.

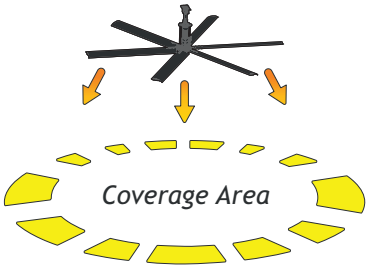
Summer Cooling

- 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

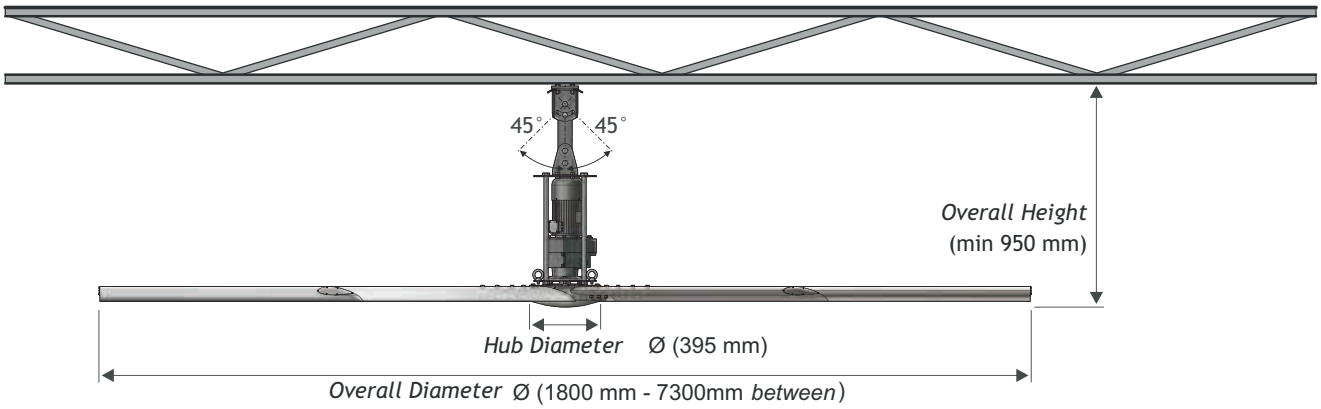
Fan Control Cabinet

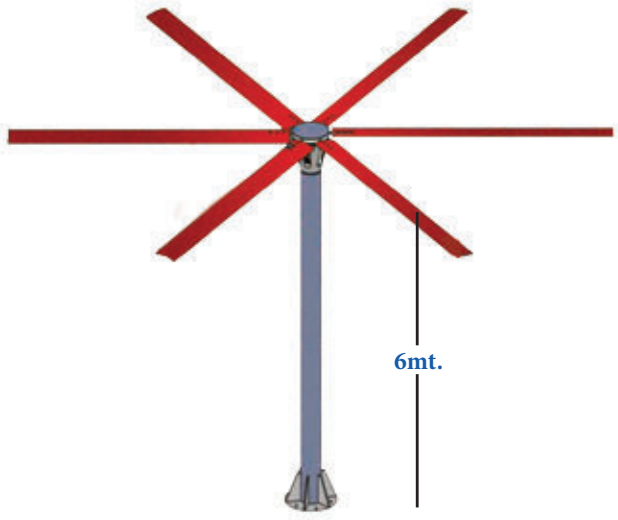
- Supply voltage 220 volt (1 ~)
- Speed control Device (1 - 1.5 - 2.2 KW)
- Panel dimensions 300 x 400 x 170 mm
- IP 54 protected

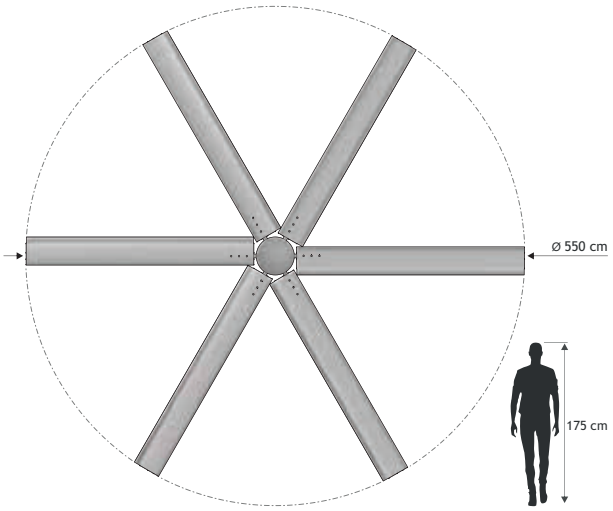


- Motor supply volt. 400V (3~)
- Speed setting potentiometer
- Operating mode selector switch

Dimensions







Technical Specifications

TECH data BSF (Gear Reducer motor)

Model	Fan Dia	Max Speed	Motor Power	Max Speed P. Consumption	Max Speed Current	Air Flow	Effective Area	Coverage Dia	Weight
	ft / m	RPM	KW	kwh	Amps	M3/s	m2	R (m)	(kg)
BSF2500	8 / 2.44	94	1.1	0.6	4.05	26	370	22	88
BSF3000	10 / 3.05	94	1.1	0.7	4.2	44	615	28	93
BSF3500	12 / 3.66	94	1.1	0.85	4.6	53	810	32	98
BSF4300	14 / 4.27	61	1.5	0.9	5.05	60	895	34	113
BSF4900	16 / 4.88	61	1.5	1	5.3	74	1100	37	118
BSF5500	18 / 5.49	61	1.5	1.2	5.7	84	1280	40	123
BSF6100	20 / 6.10	65	2.2	1.9	8.7	1.06	1495	44	133
BSF6700	22 / 6.71	65	2.2	2	8.8	134	1760	47	138
BSF7300	24 / 7.32	65	2.2	2.1	8.9	169	2060	51	143

TECH data BSF (Magenet motor)

Model	Fan Dia	Max Speed	Motor Power	Max Speed P. Consumption	Max Speed Current	Torque	Air Flow	Effective Area	Coverage Dia	Weight
	ft / m	RPM	KW	kwh	Amps	Nm	M^3/s	m^2	R (m)	(kg)
BSF2500	8 / 2.44	90-100	0.27	0.16	1.5	26	28	380	22	70
BSF3000	10 / 3.05	70-80	0.27	0.18	1.8	26	40	590	27	75
BSF3500	12 / 3.66	70-75	0.27	0.26	1.9	26	47	760	31	80
BSF4300	14 / 4.27	60-70	0.54	0.43	3.1	52	62	930	34	93
BSF4900	16 / 4.88	55-65	0.61	0.55	3.8	90	76	1130	38	108
BSF5500	18 / 5.49	55-65	0.82	0.63	3.8	120	86	1310	41	127
BSF6100	20 / 6.10	50-60	0.82	0.71	4.1	120	107	1490	44	134
BSF6700	22 / 6.71	50-60	1.16	0.92	5.5	170	132	1750	47	150
BSF7300	24 / 7.32	50-60	1.16	1.02	6	170	167	2050	51	155

TECH data BSF (Super efficiency)

Model	Fan Dia	Max Speed	Max Spee	Motor Power	Max Speed P. Consumption	Max Speed Current	Torque	Effective Area	Coverage Dia	Weight
	ft / m	RPM	KW	kwh	Amps	Nm	M^3/s	m^2	R (m)	(kg)
BSFY1800	8 / 2.44	100	0.27	0.13	1.3	26	17	200	16	52
BSFY2500	8 / 2.44	100	0.27	0.16	1.5	26	30	380	22	56
BSFY3000	10 / 3.05	80	0.27	0.18	1.8	26	44	595	28	59
BSFY3700	12 / 3.66	80	0.27	0.26	1.9	26	51	720	30	64
BSFY4000	13 / 4	75	0.43	0.4	3.1	41	62	820	32	73