



MSICF / MSGF / MSDCF (HVLS)



GIANT FAN

Movement of air
10 to 30 times
more efficient than
standard ceiling fan.

MASSIVE MSICF/ MSGF GIANT FAN suitable for
INDOOR or OUTDOOR usage.

It's designed for improving ventilation,
accelerating air circulation, decrease
humidity & temperature, dispelling odors, etc...

Designed to provide an energy-efficient solution for large spaces on temperature control.

What is HVLS Fan

High-Volume Low-Speed (HVLS)



HVLS Fan is a type of mechanical fan that can be used in commercial & industrial settings. It is known to have large fan diameter with low rotating speed, but capable to produce large amount of air flow, unlike residential ceiling fans. Its blade design and permanent-magnet motor move more air than any barrel fan in the market with energy efficiency and lowest sound level

Massive Fan introduces 2 types of industrial HVLS, MSICF Series & MSGF Series.

MSICF & MSGF

The different between both the series are MSICF is hanging type where commonly found in malls or warehouse, diameter size ranging from 24ft (7.3m) to 11.8ft (3.6m), meanwhile MSGF is standing type/ vertically mount type. It consists of a big support pole while the fan blade faces upwards. The advantage of this MSGF series is that it able to provides air flow as well as can be used as a decoration / attraction item. It can be place at theme parks, cafes & warehouse too. For MSGF, it has the size of 24ft (7.3m) & 21ft (6.5m).

MSDCF

Massive Fan also caters for domestic usage, where the size is smaller compared to the industrial type; diameter size of 8ft (2.5m), 10ft (3m) & 11.8ft (3.6m). For this domestic series, it is suitable for bungalow, event space as well as club house.

More Airflow, Less Energy

Permanent-magnet motor moves more air at nearly double the efficiency comparing those uses gear motors. Matching the permanent-magnet motor, it is also light weight and step-less regulation to ensure a long life of peak performance.

Low Noise Design

The design of high lift drag ratio aerofoil blade is strong and light weight. It is also impact resistance to provide a longer lasting performance. Patent wingtip guide plate is designed to reduce vortex and effectively reduce noise.

ENERGY EFFICIENT



Save 30% on cooling by dropping the effective temperature 5 ~ 8°C, save 20% on heating by bringing warm air down to the floor, and runs on electric cost for < RM0.60 / hour.

3 YEARS WARRANTY (Parts Only)



Designed & tested to perform longer than any HVLS fan on the market: enjoy a 25,000-hour (3 year average use) warranty tracked by the fan itself.

ZERO MAINTENANCE



No gears, no oil, no friction thanks to our gearless direct-drive motor. Onboard electronics eliminate problem-prone variable frequency drives.

ESSENTIALLY SILENT



Gearless design makes our fans whisper quiet - literally quieter than a human conversation. The only sound is the air itself.



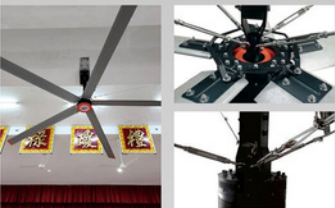
MSICF SERIES

HANGING TYPE

Features

- The rare earth NdFeB permanent magnet rotor motor directly drives the fan blades without gear box & long-term maintenance-free.
- The blade is designed with high lift-resistance ratio aviation airfoil without electrostatic aviation composite

- The installation hanger adopts double universal structure & automatically adjusts the perpendicularity.
- Great ventilation improvement for large logistics warehouses, distribution centers, large workshops, public buildings, large farms, stations, stadiums etc.



Product Advantage

- Permanent magnet synchronous external rotor motor, high efficiency and energy saving small volume and light weight.
- Motor IP65 structure, waterproof & dust-proof.

Blade

- Aircraft grade aviation polymer composite, material with high strength, light weight, impact resistance, anti-aging & great durability.
- Large air volume, high pressure, uniform air volume, high efficiency & energy saving.

Product Performance

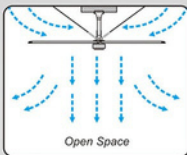
- Large coverage area with omni-directional natural wind.
- With comfortable cool air, room temperature down scale from 4°C ~ to 8°C.
- Excellent result when work together with central air-conditioner.

Extra Protection / Safety

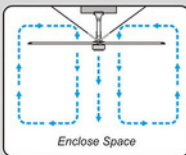
- Steel beam locking safety structure.
- Hanger safety steel cable.
- Motor shaft safety bracket.
- Motor internal Step Lock safety design.
- Permanent magnet self-locking system.
- Non-metal polymer composite blades, which is impact resistant & not easy to break.
- Reinforced blade mounting bracket.
- Blade safety link mechanism protection.
- System overload protection.



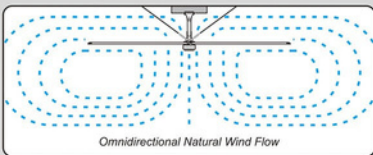
Aviation Polymer



Open Space



Enclose Space



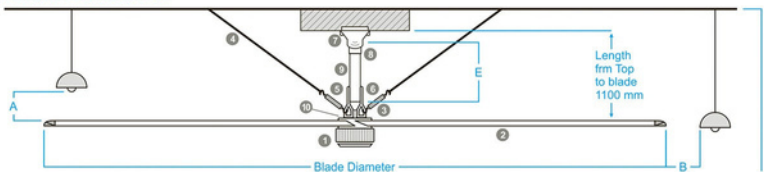
Omnidirectional Natural Wind Flow

HVLS fans work on the principle to improve ventilation and provide a cool feeling to both environment & human.

Specification

Model	Blade Diameter	Current (A)(240V)	Current (A)(415V)	Motor Power (W)	Inverter Power (W)	Speed (rpm)	Air Volume (m ³ /min)	Noise dB(A)	Air Covering Area (m ²)	Optimum Use Area (m ²)
MSICF-73H	7.3m / 24ft	8.7	2.5	900	1250	56	17800	39	1375	800
MSICF-65H	6.5m / 21.3ft	7.7	2.2	850	1100	66	14900	39	1000	650
MSICF-55H	5.5m / 18ft	5.8	2.0	750	850	80	12000	39	800	450
MSICF-49H	4.9m / 16.1ft	5	1.8	550	750	85	10500	39	700	360
MSICF-43H	4.3m / 14.1ft	3.3	1.5	370	480	90	8500	39	610	250
MSICF-36H	3.6m / 11.8ft	2.0	1.0	250	320	100	6600	39	450	175

Product Dimensions



measurement in mm

Vertical Obstacle (A)	≥400
Horizontal Obstacle (B)	≥400
Distance from Blade to Ground (C)	≥4000
Boom Length (E)	Hoist length is 750mm (*)

Parts

- | | | |
|---|------------------------|--------------------------|
| ① Permanent magnet synchronous external rotor motor | ④ Wire rope | ⑧ Universal Suspender |
| ② Blade | ⑤ Anti-falling bracket | ⑨ Connecting square tube |
| ③ Wire rope tightener | ⑦ Mounting bracket | ⑩ Blade flange |

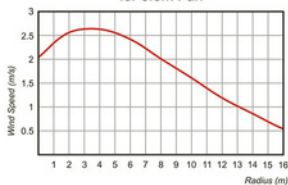
GROUND

(*) Custom made available

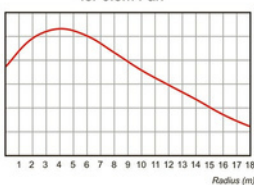


Performance curve & usage area

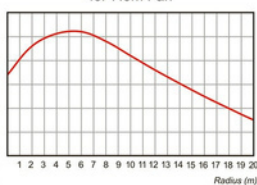
for 5.5m Fan



for 6.5m Fan



for 7.3m Fan





MSGF & MSDCF SERIES

STANDING & DOMESTIC TYPE



MSGF
(Standing type)



MSDCF
(Domestic type)

MSGF series STANDING TYPE (MOTOR IP65)

Specification

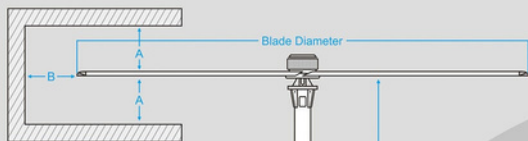
Model	Blade Diameter	Current (A)(240V)	Current (A)(415V)	Motor Power (W)	Inverter Power (W)	Speed (rpm)	Air Volume (m ³ /min)	Noise dB(A)	Air Covering Area (m ²)	Optimum Use Area (m ²)
MSGF-73H	7.3m / 24ft	8.7	2.5	900	1250	56	17800	39	1375	800
MSGF-65H	6.5m / 21.3ft	7.7	2.2	850	1100	66	14900	39	1000	650

MSDCF series DOMESTIC TYPE (MOTOR IP65)

Specification

Model	Blade Diameter	Current (A)	Motor Power (W)	Inverter Power (W)	Voltage (Hz)	Speed (rpm)	Air Volume (m ³ /min)	Noise dB(A)	Air Covering Area (m ²)	Optimum Use Area (m ²)
MSDCF-36H	3.6m / 11.8ft	1.2	325	210	160V / 34Hz	85	5850	39	425	175
MSDCF-30H	3m / 10ft	0.7	260	200	185V / 44Hz	110	5250	39	330	120
MSDCF-25H	2.5m / 8ft	0.35	150	120	187V / 48Hz	120	3600	39	225	60

Product Dimensions



measurement in mm

Vertical Obstacle (A)	≥400
Horizontal Obstacle (B)	≥400
Height from Ground (C)	≥4000

Model	Appropriate Distance between Fan
MSGF-65H	17 ~ 23m
MISCF-73H	19 ~ 25m

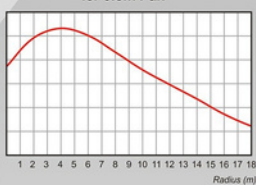
GROUND

Performance curve & usage area

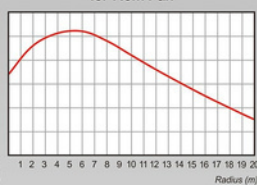
for 5.5m Fan



for 6.5m Fan



for 7.3m Fan



Customized Control System with Multifunction Frequency Inverter

- Supply power from variable kinds of sources
- Smooth acceleration & deceleration without surging
- Improve power efficiency
- Improve power factor
- With over-current protection, over/under voltage protection
- Additional features available upon request; e.g.: Fault alarm output
Smart home system compatible

for further details or information, please contact:

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