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FIRSTFAN HVLS fans





FSD-FC Series are available in five sizes ranging from 12ft- 24ft equipped with PMSM motor. It is a perfect solution to ventilation & cooling in large places, such as factory workshop, warehouse, church, commercial buildings, supermarkets, library, lobbies, barn, etc. It brings gentle breeze at low rotational speed.



Large coverage

The largest area it can cover is 1,500m².

The highest air volume can be up to 13,900m³/min.



Energy saving

Compared to traditional multiple wall mounted fans and air conditioners,
HVLS fans can reduce by 30%-50%
energy bills.



Human-body cooling

HVLS fan will make people feel 5-8 Celsius temperature reduction.



Gentle breeze

Unlike traditional high speed fan, HVLS fan creates gentle breeze which makes people feel comfortable.



Easy installation

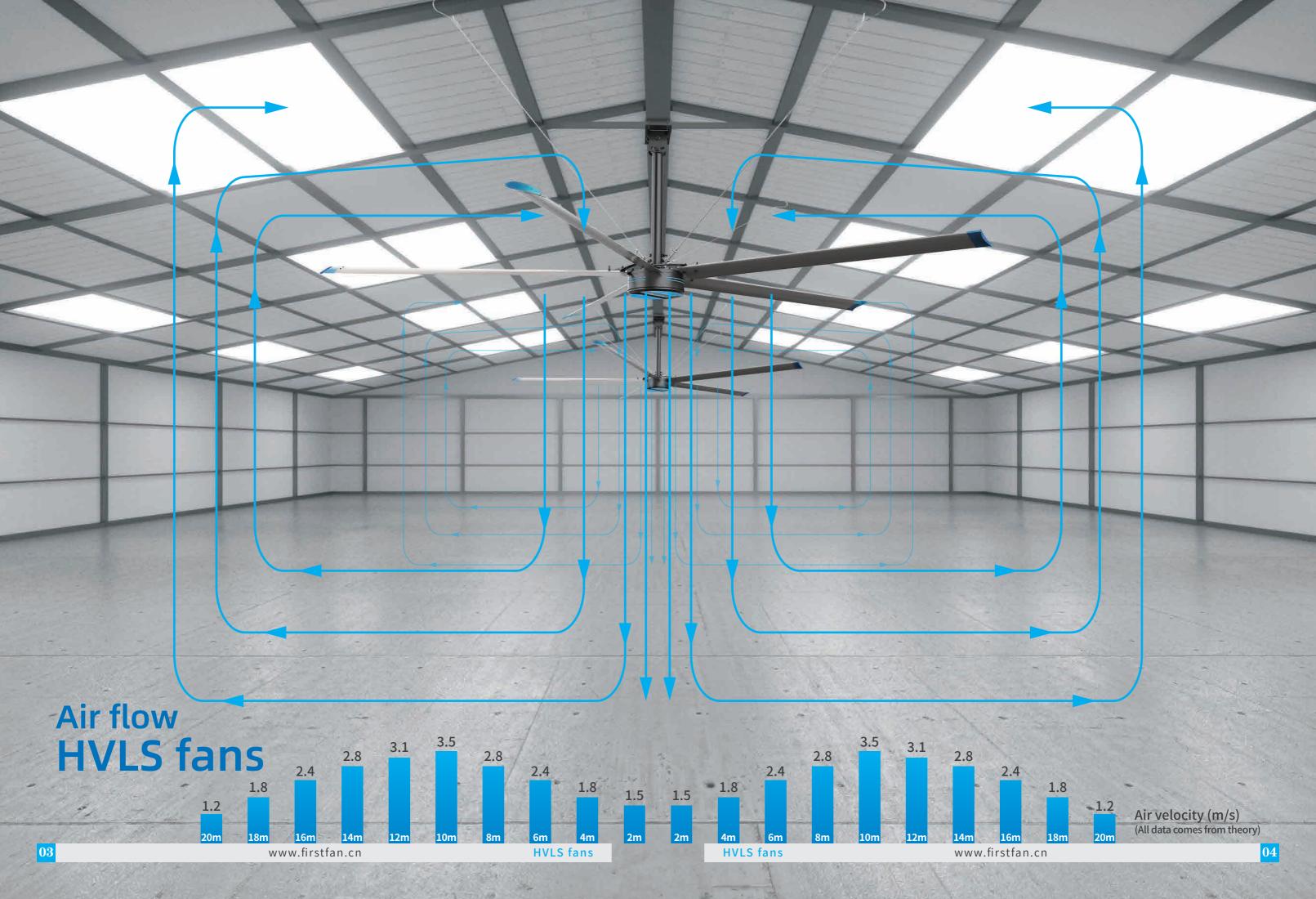
It's not necessary to damage your beam structure. The minimum vertical height of installation space can be 0.86M.



Quick response

We will give you response within 24 hours.

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Safety facilities HVLS fans

Steel guy wire

Connect fan body with building beam through steel guy wire (6mm galvanized steel) in four directions so as to add the additional safety protection for smooth running. Each one can bear 1 ton.





Safety rope

Connect top plate with building beam through steel guy wire (6mm galvanized steel).



Blade retainer

Connect adjacent blades, preventing single balde falling down.



Fasteners

Connect pmsm motor stator shaft with extension rod and shaft cover through high quality fasteners (grade 12.9).



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Main components HVLS fans











Airfoil Blade

Our airfoil blade is made of aviation grade aluminum alloy (AA6063 T6) which benefits that it has excellent flexibility property. It has anti-corrosion and easy to clean advantages due to the advanced surface treatment technology.



PMSM Motor

It's shorten for permanent magnet synchronous motor. The rotational speed of the rotor is always consistent with the current frequency of the stator winding. PMSM is now widely accepted by end-users due to high performance, such as long service life, free maintenance, low noise, small size and light weight. It passes CE certificate.



Hub Arm

Our hub arm is made of aluminum alloy (AA7075) which benefits that it has high tensile strength property (more than 500MPa). The airfoil blade and PMSM motor will connect together through hub arm.



Sealed Inverter

It has more than 25 functions, such as ground fault protection, overload protection and over temperature protection. Protection level is IP54, passing CE, UL, EMC, LVD, ROHS certificates.



Winglet

It's specially designed to keep the fan runs steadily. You may know that eddies will be formed cased by airflow.

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Model	FSD-FC73	FSD-FC61	FSD-FC55	FSD-FC49	FSD-FC37			
Fan Diameter	24 ft(7.3m)	20 ft(6.1m)	18 ft(5.5m)	16 ft(4.9m)	12 ft(3.7m)			
Blade Style		Airfo	oil blade with wir	nglet				
Blade Material	AA6063T6 Magnalium (Aluminium Alloy), Anodizing surface treatment or Carbon Fluorine							
Number of blades	5							
	PERFO	RMANCE						
Air Volume(m³/min)	13900	12100	10200	8600	6000			
Rotational Speed (RPM)	10-50	10-50	10-50	10-80	10-80			
Rated Power	1.5kW	1.5kW	1.1kW	1.1kW	0.75kW			
Rated Current(Max)	4.5A	3.0A	2.5A	2.5A	2.0A			
Power Supply		380VAC, 3P, 50	/60HZ; 220VAC, 1	LP/3P, 50/60HZ				
	WE	EIGHT						
Net Weight (approximately)	135kg	120kg	105kg	80kg	60kg			
Package			Wooden Cases					
	MC	OTOR						
Motor Type	PMSM (Permanent Magnet Synchronous Motor)							
Drive Train	Direct Drive							
Maintenance	Free Maintenance							
Max. Torque	240N.m							
Efficiency	86%							
Max.Ambient Temperature for operation	60 Celsius							
Protection Level	IP55							
Noise Level	< 40dBA							
	COI	NTROL						
Control	Sealed Inverter							
Max. Ambient Temperature for opeartion			55 Celsius					
Protection Level			IP54					
	INSTA	LLATION						
Extension Rod		1M (as	standard), Accep	ot OEM				

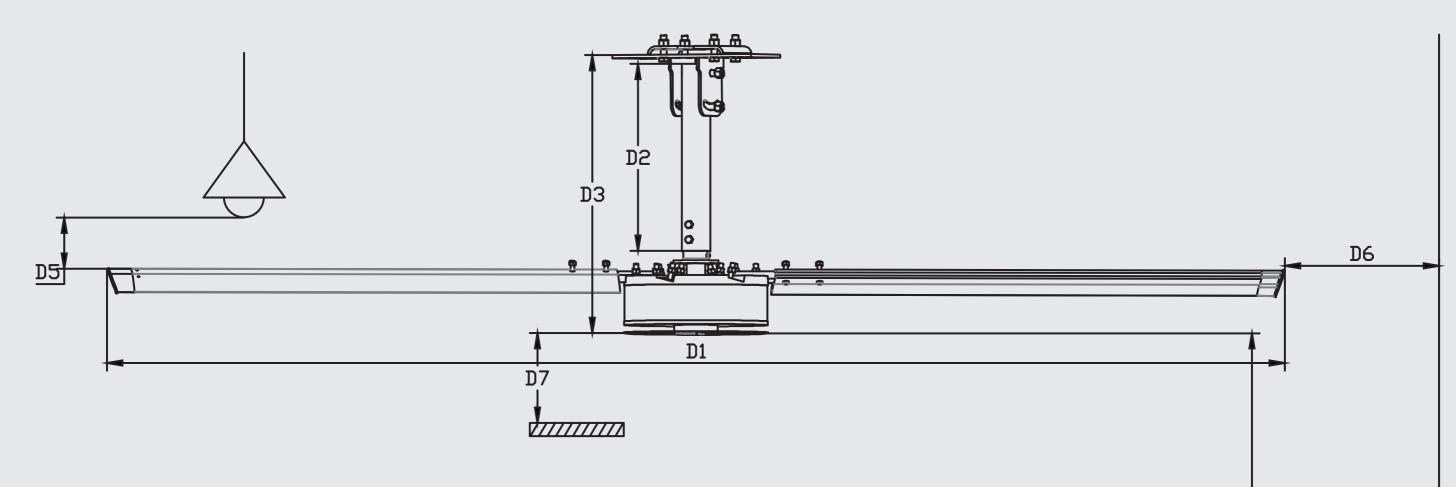








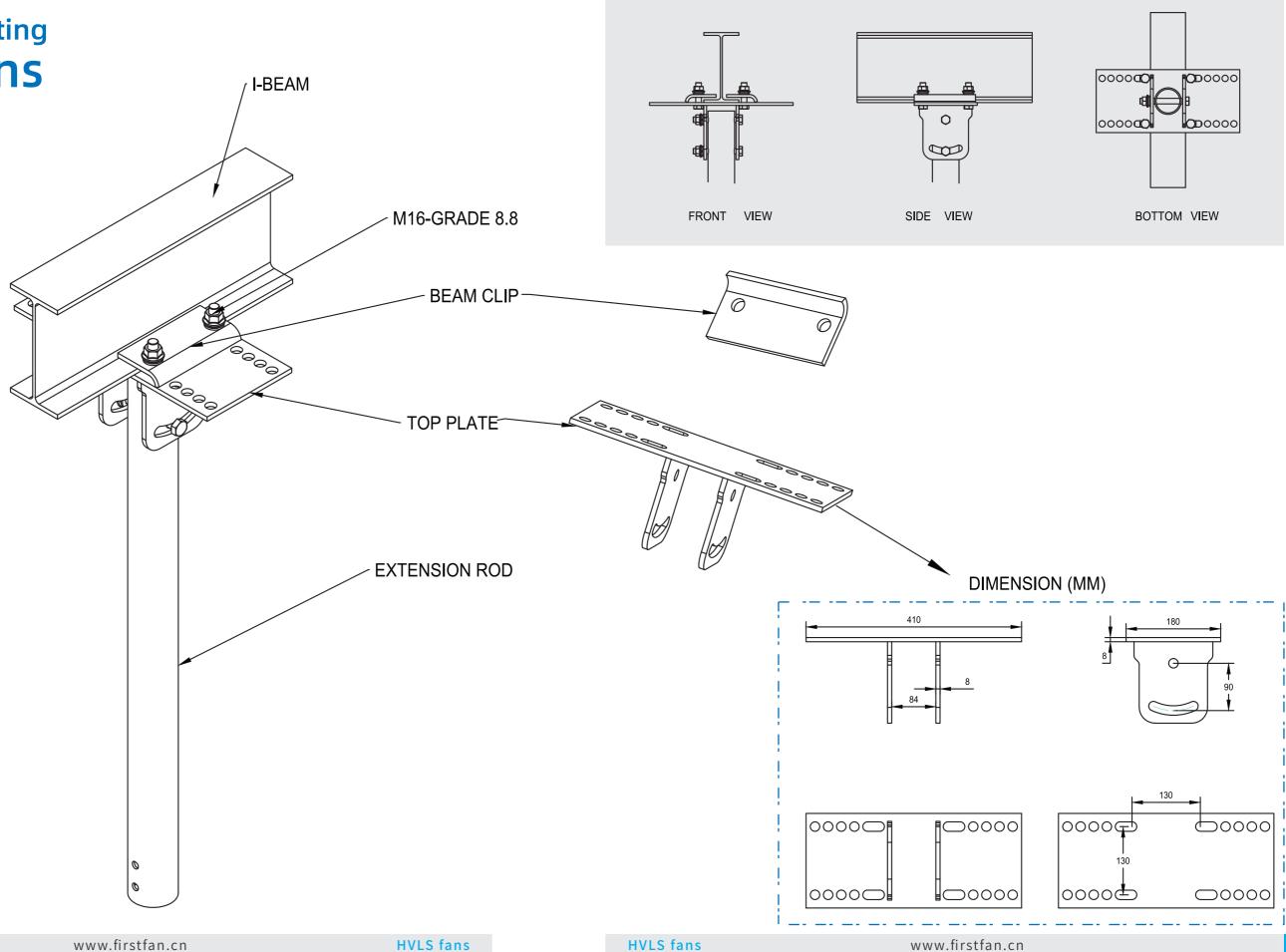
HVLS fans



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Model	D1	D2	D3	D4	D5	D6	D7
FSD-FC73	24' (7.3m)	0.3m-1.5m	≥0.66m	5m-20m	≥0.2m	≥0.2m	≥0.2m
FSD-FC61	20' (6.1m)	Same	Same	5m-15m	Same	Same	Same
FSD-FC55	18' (5.5m)	Same	Same	4m-12m	Same	Same	Same
FSD-FC49	16' (4.9m)	Same	Same	4m-10m	Same	Same	Same
FSD-FC37	12' (3.7m)	Same	Same	3m-6m	Same	Same	Same

How to mounting HVLS fans



POINT OF VIEW



Project references HVLS fans









In public places







Sales Network HVLS fans

At present,
our main sales areas are:
Malaysia, Philippines, Singapore,
Thailand, Vietnam, Indonesia, Australia, India, the United States, Canada,
Czech Republic, France, Mainland China,
Hong Kong China, Taiwan China, etc.



Currently, we have served more than 2,000 customers. Please feel free to contact us for further information.