

HVLS FANS

Maximum Performance

MINIMAL MAINTENANCE



HIỆU SUẤT TỐI ĐA, BẢO DƯỠNG MỨC TỐI THIỂU



CÔNG TY CỔ PHẦN CÔNG NGHỆ HAMILTON AIR
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HERO-5 HVLS Series are available in five sizes ranging from 18ft- 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 14,900m³/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.



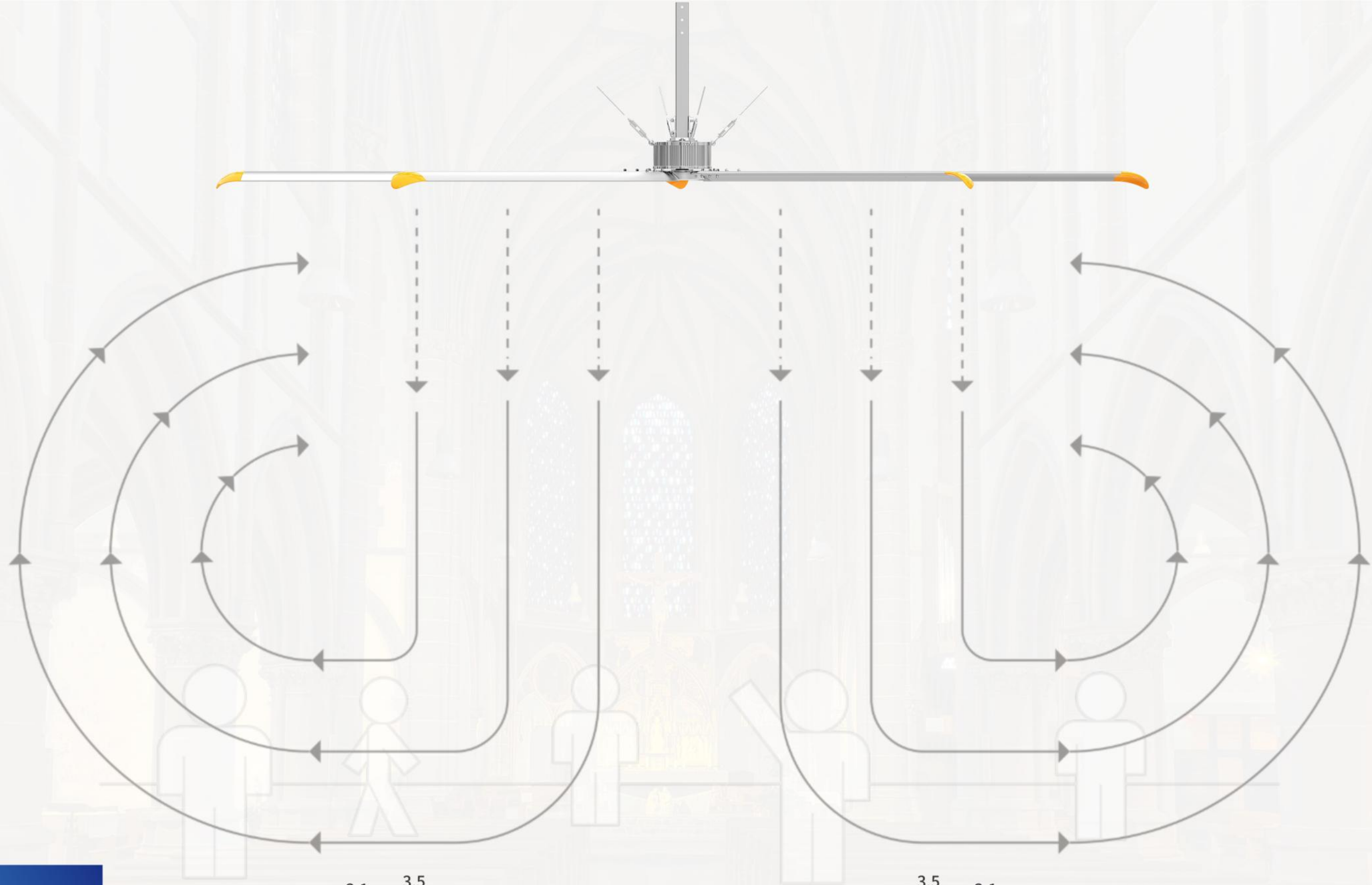
EASY
INSTALLATION

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

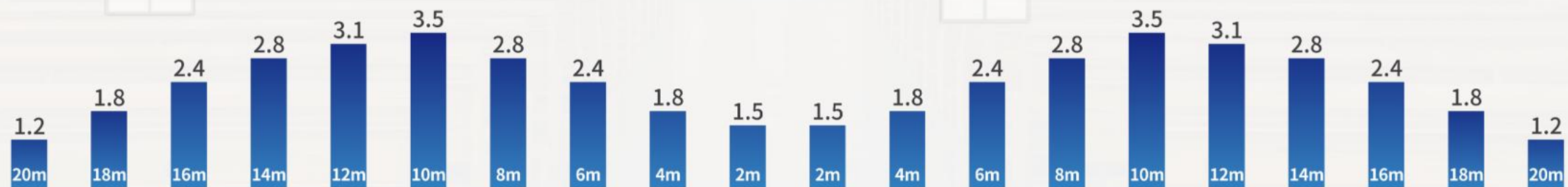


QUICK
RESPONSE

We will give you response within 24 hours.



AIR FLOW HVLS FANS

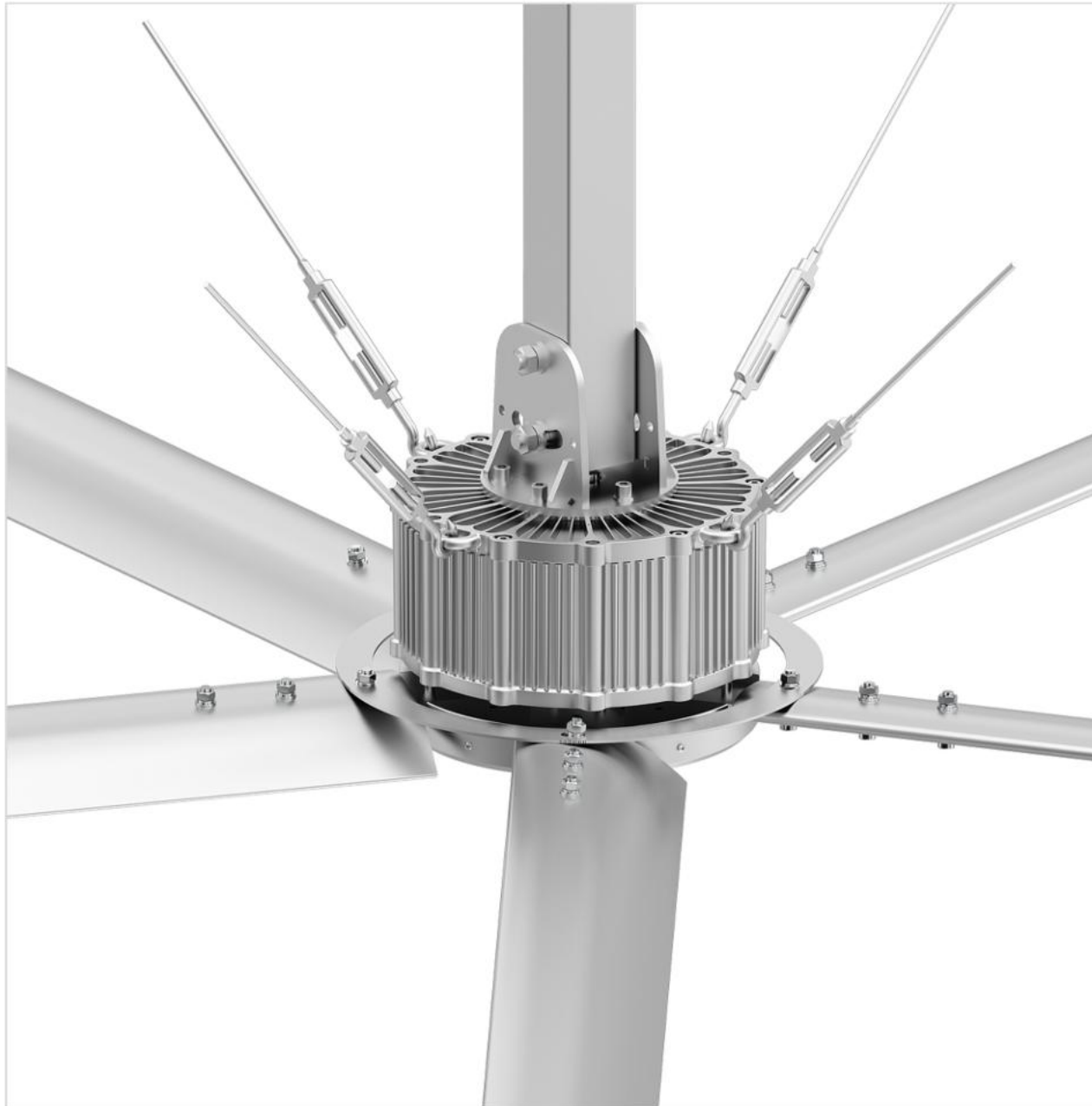
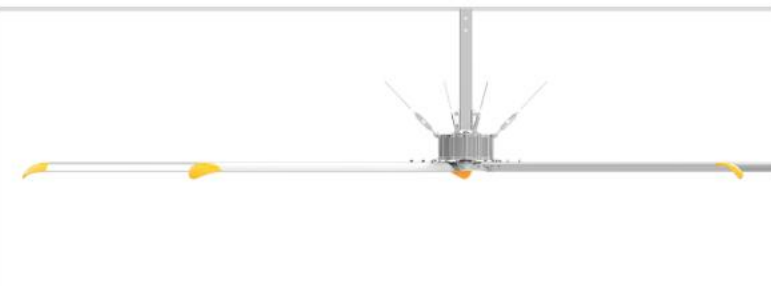


Air velocity (m/_s)
(All data comes from theory)

SAFETY FACILITIES HVLS FANS

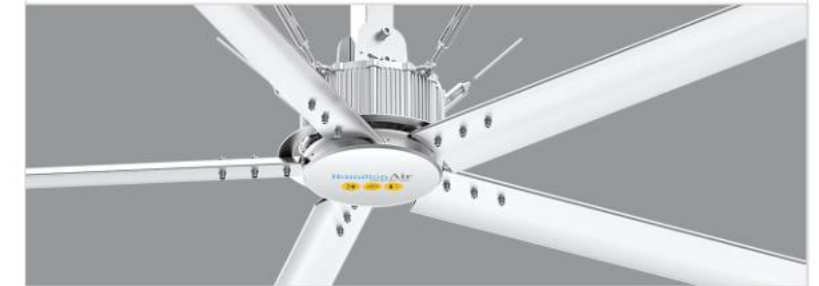
STEEL GUY WIRE

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).

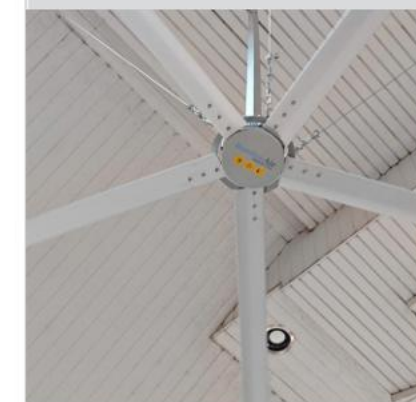


BLADE RETAINER

Connect adjacent blades, preventing single blade falling down.



FASTENERS



Connect PMSM motor stator shaft, shaft cover and extension rod through high quality fasteners (Grade 12.9).

MAIN COMPONENTS
HLVS FANS



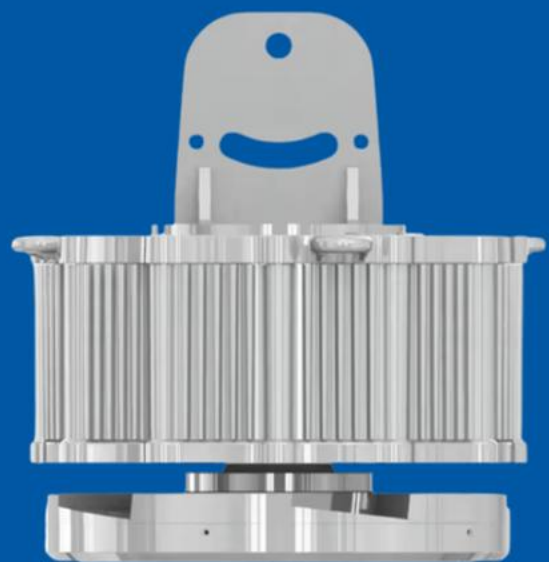
**AIRFOIL
BLADE**

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. Inner Rotor Motor. Protection rating: IP64 | Insulation class: F. Direct-drive structure ensures long service life and maintenance-free operation. 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.



**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 caused by airflow.

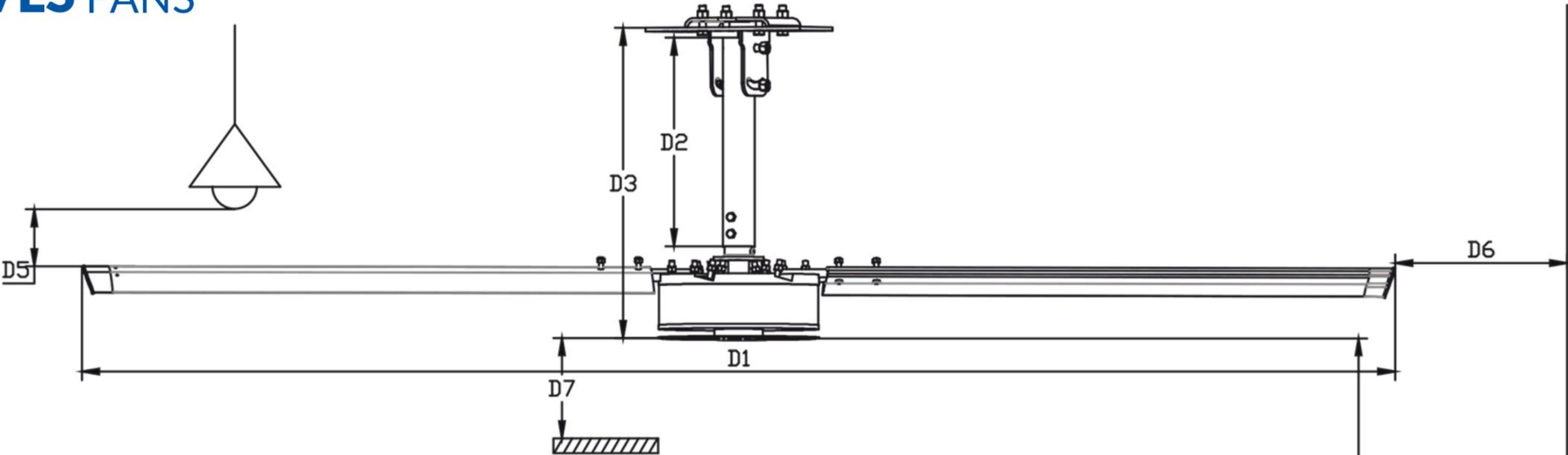




MODEL	VF30X-D7300	VF30X-D6700	VF30X-D6100	VF30X-D5500
Fan Diameter	24 ft(7.3m)	22 ft(6.7m)	20 ft(6.1m)	18 ft(5.5m)
Blade Style	Airfoil blade with winglet			
Blade Material	AA6063T6 Magnalium (Aluminium Alloy), Anodizing surface treatment or Carbon Fluorine			
Number of blades	5	5	5	5
Air Volume(m ³ /min)	14515m ³ /min	12560m ³ /min	10747m ³ /min	8040m ³ /min
Rotational Speed (RPM)	50rpm	55rpm	60rpm	65rpm
Rated Power	10.5A	10.0A	8.0A	7.0A
Rated Current(Max)	3.8A	3.5A	2.5A	2.2A
Power	1.35kW	1.3kW	1.0kW	0.85kW
Weight	115kg	110kg	105kg	102kg
Extension Rod	1 m (standard); extension tube up to 6m maximum.			
Wind Coverage	Ø38-Ø43m	Ø35-Ø40m	Ø32-Ø37m	Ø30-Ø32m
Motor Type	PMSM (Permanent Magnet Synchronous Motor)			
Drive Train	Direct Drive			
Max. Torque	240N.m			
Efficiency	86%			
Max.Ambient Temperature for operation	60 Celsius			
Protection Level	IP64			
Noise Level	< 39dBA			



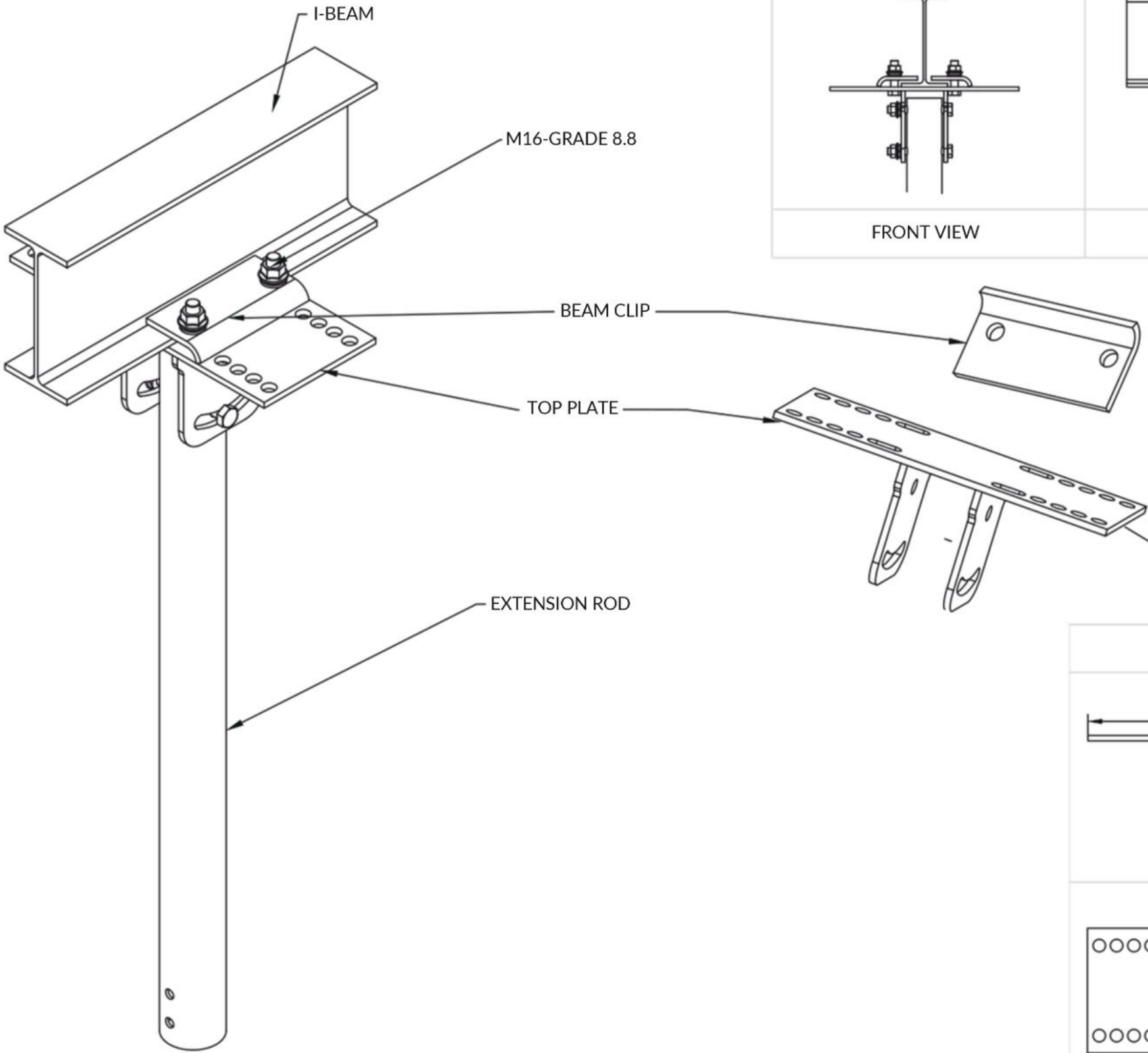
INSTALLATION REQUIREMENTS
HVLS FANS



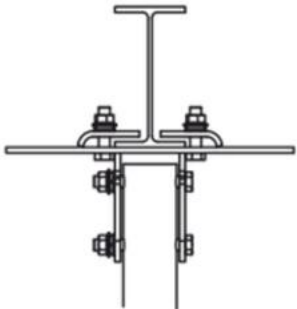
REFER TO

Model	VF30X-D7300	VF30X-D6700	VF30X-D6100	VF30X-D5500
D1	24 ft(7.3m)	22 ft(6.7m)	20 ft(6.1m)	18 ft(5.5m)
D2	0.3m-1.5m	Same	Same	Same
D3	>0.66m	Same	Same	Same
D4	5m-20m	5m-15m	4m-12m	4m-12m
D5	>0.6m	Same	Same	Same
D6	>0.6m	Same	Same	Same
D7	>0.6m	Same	Same	Same

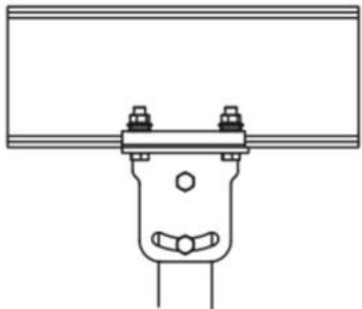
HOW TO MOUNTING
HVLS FANS



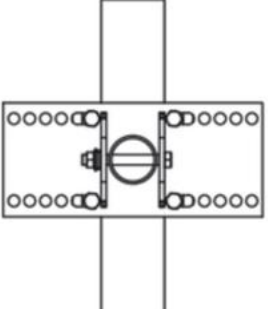
POINT OF VIEW



FRONT VIEW

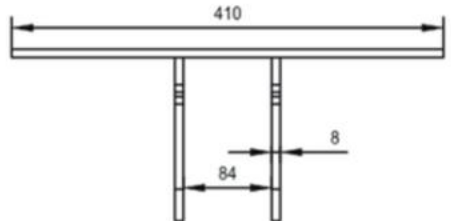
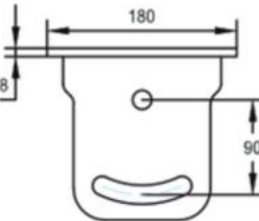
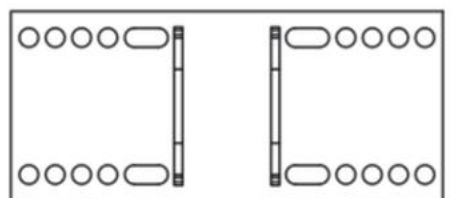
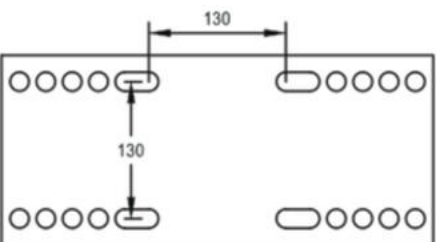


SIDE VIEW



BOTTOM VIEW

DIMENSION (MM)





WAREHOUSING
LOGISTICS



PROJECT REFERENCES
HVLS FANS



INDUSTRIAL
WORKSHOP



IN PUBLIC
PLACES

