

MP-FX Series

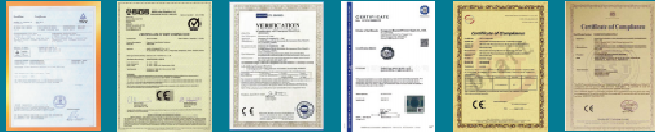
Fan safety is Move-Point

High Efficiency & Energy Saving

www.mpfans.com.cn



- * Advantage of HVLS
- * High Quality
- * Multi Application
- * Best Service



Company profile

Move-Point Intelligent Equipment (Guangzhou) Co., Ltd was established in 2018. Covers an area of more than 6,000 square meters. Our company integrates research and development, manufacturing, and sales.

We only focus on one thing: the Large HVLS(High Volume Low Speed) Fans, also called Large industrial ceiling fans, Big Ceiling Fan. We adopt German Lenze Motor and PMSM as driving devices. Aero-grade aluminum magnesium alloy fan blades as the main parts. Moreover, we have many exclusive patented technologies on safety components.

All the safety components are produced with automatic machines which ensure our products in stable quality. The fans' size can be as per your demand. All our products will be strictly qualified before packing. This kind of big fan can be widely used for various large spaces. Such as the Production workshop, Logistics warehouse, Exhibition Hall, Sports Center, Leisure tourism places big farms, etc.

Welcome to consult and visit our company. Move-Point High Quality & Best Service.



木鏢智能科技(广州)有限公司
MOVEPOINT INTELLIGENT TECHNOLOGY GUANGZHOU CO., LTD





Move-Point HVLS Industrial Fan

Average energy saving up to 87%

The following datas are collected by a large amount of small fan energy consumption.

And a long time to test and compare HVLS industrial fan to draw a conclusion.

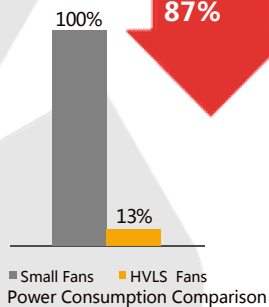
Advantage of HVLS Industrial Fan

1 Much more energy saving than the small fans

A 7.3m diameter HVLS fan from Move-Point is approximately equal to the area covered by more than 45 pcs 0.75m small fans. For example, in a 9000 square meter plant, in order to achieve comprehensive coverage, about 300 small fans are needed, but only 9 HVLS industrial energy-saving fans are needed. According to the use of 4 years, 8 months in a year, 10 hours a day, about a total of 10,000 hours of operation, power consumption of HVLS industrial fan is 135000KW.h, while the small fan need 1080000KW.h. It can save 944500kw.h, energy saving rate up to 87%!

Dia (m)	Cover Area (㎡)	Air Flow (m³/min)	Qty Fans (SET)	Power (KW)	Working Time (h)	Power Consumption (KW.H)	Total Cost (RMB)	Saved (RMB)	Life Time (years)
7.3	1000	13800	9	1.5	10000	135000	135000	¥945000	10
0.75	30	300	300	0.3	10000	1080000	1080000	0	2
Comparison	Free Maintenance	Comfortability	Easy to operate	Easy to Manage					
HVLS Industrial Fan	✓	✓	✓	✓					
Small Strong Fan	×	×	×	×					

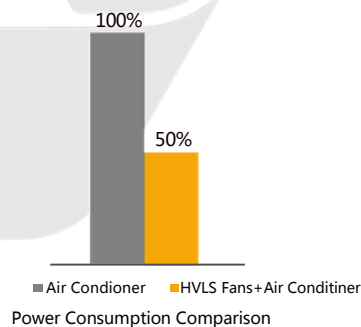
Energy Saving 87%



2 Combine to use with air conditioner, save energy more than 50%

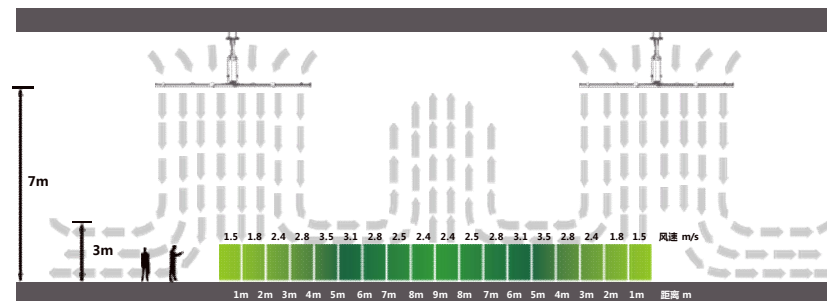
HVLS industrial fan, can simulate natural wind, balance human body temperature, bring you a full range of comfortable experience.

In Winter and summer seasons, when it is combined to use with HVLS fans, you can easily gather the top of the building air and ground air evenly mixed, eliminating cold and hot stratification. And reduce the air conditioning unit switching time, reduce the energy consumption of enterprises.



3 Three-dimensional natural wind to meet the cooling demand.

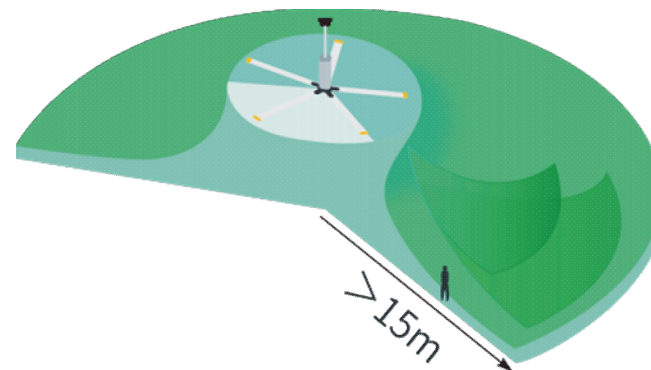
The energy-saving fan will simulate the natural breeze, all-round three-dimensional air supply, bring 5-8°C cooling experience to the human body, and prevent health diseases caused by high speed direct blowing, such as fan disease. The wind speed can be adjusted at any time within the range of 1m/ S-5m/ s, which is convenient to meet any application.

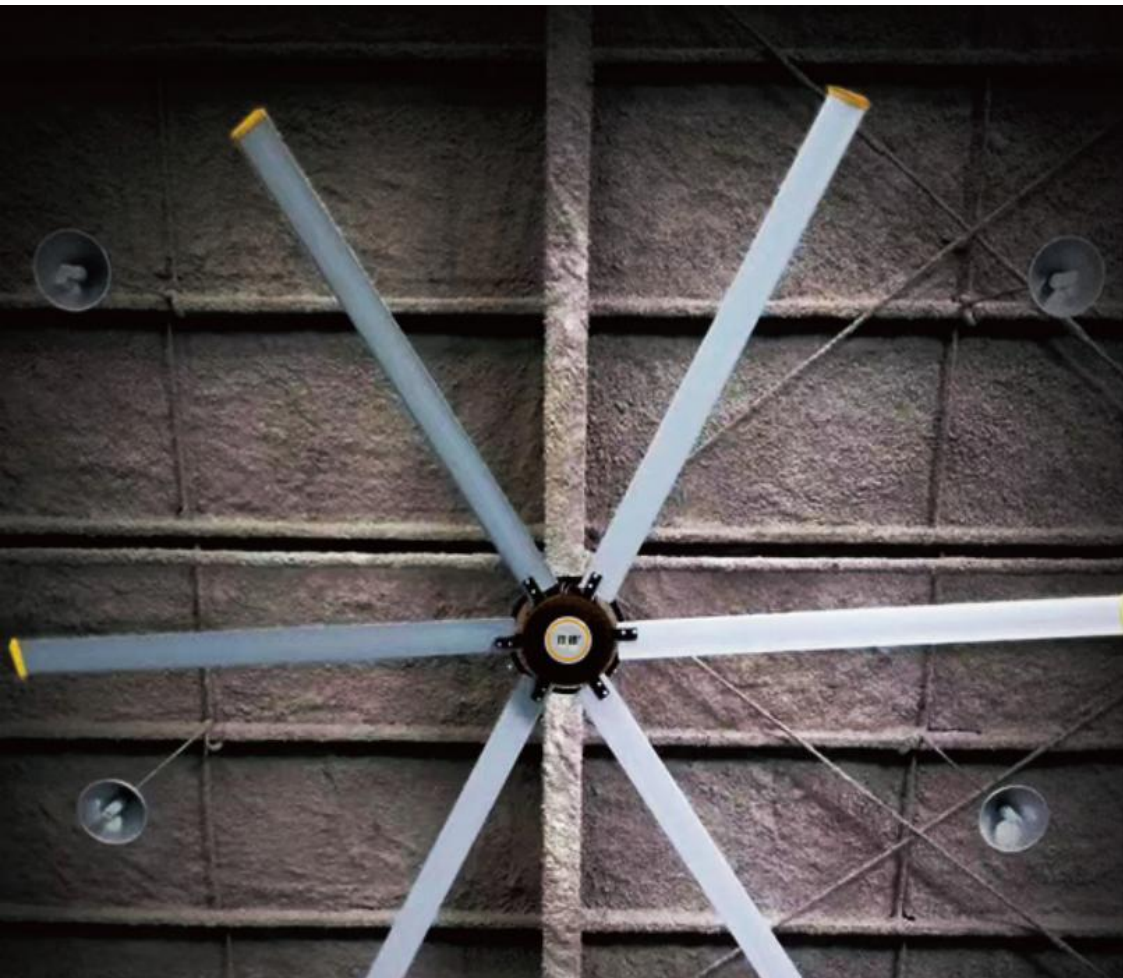


4 Large space coverage area

At the same time, the energy-saving fan has the characteristics of low speed, low power, large coverage area, etc., and the wood dart reduces the resistance to a small degree through the design of the airfoil blade, ensuring that the electric energy is converted into air kinetic energy with high efficiency at low speed.

In addition, the air flow structure of the wood dart is also very different from that of the ordinary small fan. When the ordinary small fan operates, the active air flow is only limited to the diameter range of the fan. In the operation process of the wood dart energy-saving fan, the top air is first pushed vertically to the ground, forming a 1-3 meter high air layer on the ground, forming a large coverage area far beyond the diameter of the fan.





MP-FX Series

PMSM Permanent magnet synchronous motor

Permanent magnet synchronous motors (PMSM) can rotate with a constant speed synchronized with the power supply frequency, regardless of load and line voltage. Motor operation can maintain a constant speed synchronized with the power supply frequency, as long as the torque does not exceed the motor's limit operating value. PMSM is therefore ideal for high precision constant speed drives..

PMSM is a permanent excitation motor. It produces very high power density, very high efficiency and excellent response, so it can be adapted to the most complex applications in the field of mechanical engineering, and it also has a strong overload capability. PMSM is essentially maintenance-free and therefore ensures the most efficient operation.



High Efficiency

Permanent magnet synchronous motors are the most efficient of all motors, no power consumption, no mechanical steering gear and brushes mean low mechanical friction losses and therefore higher efficiency: also higher than ordinary motors.



More Energy Saving

The PMSM permanent magnet synchronous motor is adopted, and the efficiency of the motor is as high as 84% according to STIEE.

Meet the national energy efficiency standard



< 40dB

Low Noise

Because the permanent magnet synchronous motor uses electronic steering instead of mechanical steering, there is no noise associated with the steering. The switching frequency of the drive inverter is high enough to cause harmonic noise in the range below 40dB.



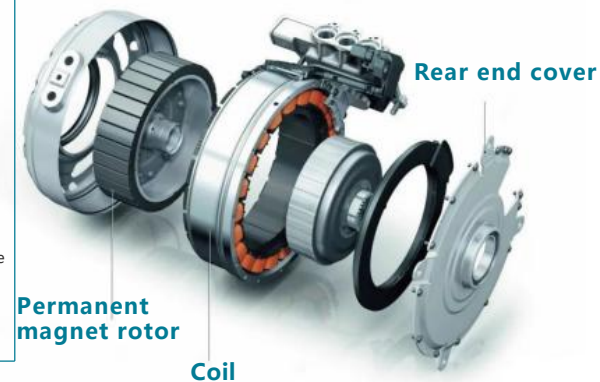
More Money Saving

PMSM brushless motor structure characteristics determine its long life, in a reasonable range of use, brushless motor basically does not need additional cost. Long-term consideration PMSM permanent magnet synchronous motor maintenance free, more money saving.



Maintenance-free

Move-Point MP-FX series adopts PMSM motor, adopts electromagnetic induction principle, double bearing transmission is completely sealed, truly achieve maintenance free motor.



Permanent magnet rotor

Coil

Rear end cover



MP-FX Series

Product advantage

Superior performance and efficiency

Using NSGA optimization algorithm, cost-effective, ultra-low torque ripple, high overall efficiency

Super torque and air volume

The super torque reaches 300N-m, providing a stronger and more stable driving force.

Long service life

Super efficient cooling system to ensure long service life

Magnetic steel does not demagnetize

Custom high performance magnetic steel, no demagnetization



1 PMSM Permanent magnet synchronous motor



A	More Energy Saving
B	Small size, light weight
C	Low Noise
D	Simple Structure
E	Wide Frequency modulation(0~50HZ)
F	Maintenance-free
G	No hidden danger

A	High energy consumption of gearbox
B	Big Size, Heavy weight
C	Loud Noise
D	Complicated Structure
E	Narrow Frequency modulation(25~50HZ)
F	Complex maintenance (Such as: changing seals, adding gearbox oil)
G	Hidden dangers: transmission oil leakage

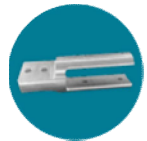
2 Safety guarantee

Move-Point industrial fan has always put safety in the first place, we do not hesitate to increase the cost of security, from the structural design of the product to ensure that each connection more than double security; Adopt 10 lines (safety rope, safety ring, anti-drop sleeve technology, type I Blade link 12.9 fasteners, anti-loosening fasteners, blade reinforcement design, enhanced plug-in design, control system overload Protection, etc.) above safety protection measures.



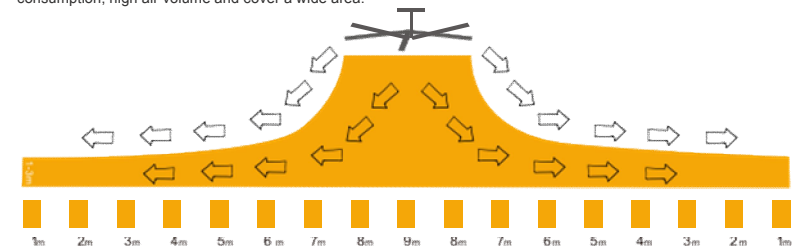
3 Adopt External clamp connection

The raw material of the plug-in is aviation grade magnesium aluminum alloy 7075 bar, and the T6 heat treatment process is used to ensure the strength and toughness. Using large CNC machining center for precision machining, error is only 10um. The plug-in is the most core component of fan safety, and it is also the place where the force is most concentrated, so we have carried out a number of tests on the plug-in to ensure safety and reliability.



4 Ultra-large coverage area

The use of large diameter fan blade rotation to push a large amount of air to the ground, forming a certain height of the air layer on the ground along the horizontal movement around, to promote the air circulation of the whole space, its low speed, low energy consumption, high air volume and cover a wide area.



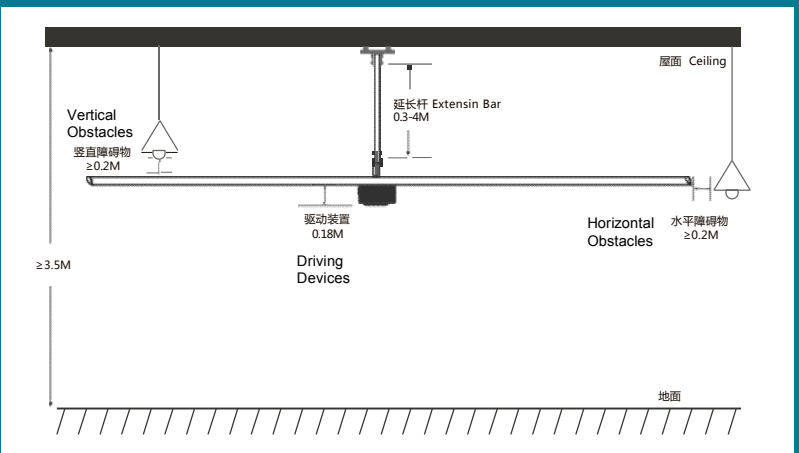
MP-FX Series

Installation and technical parameters

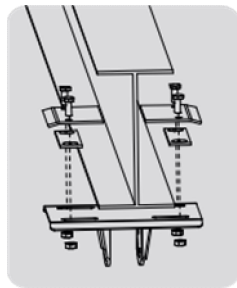
1 Installation Condition

Our company has an experienced team of electrical, mechanical and construction engineers. The team members conduct stress analysis for different building structures, evaluate installation conditions, and provide customers with the most reasonable installation solutions. At the same time, the installation process is also extremely important, so in the process of operation, the wooden dart team resolutely abide by the strict operating norms, strengthen the control of each installation link, and let you rest assured with excellent professional technology!

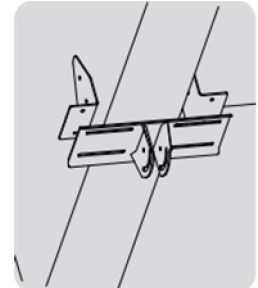
- A** Installation plan is customized for every project.
- B** Lift truck installation, well equipped.
- C** Level, height, balance debugging, rich experience.
- D** Balanced test, smooth operation
- E** Fasteners are torque standard for optimal tightening
- F** Installation process, simple and scientific
- G** Building structure: H-shaped steel, I-steel, steel mixed square beam, ball column etc.
- H** The total height of the building must be greater than 3.5M
- I** The minimum safe distance between fan blades and obstacles is 0.2M
- J** Input power supply: 380V/220V



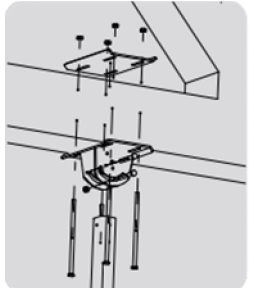
2 Type of mounting structure



I beam structure



Brick-concrete structure



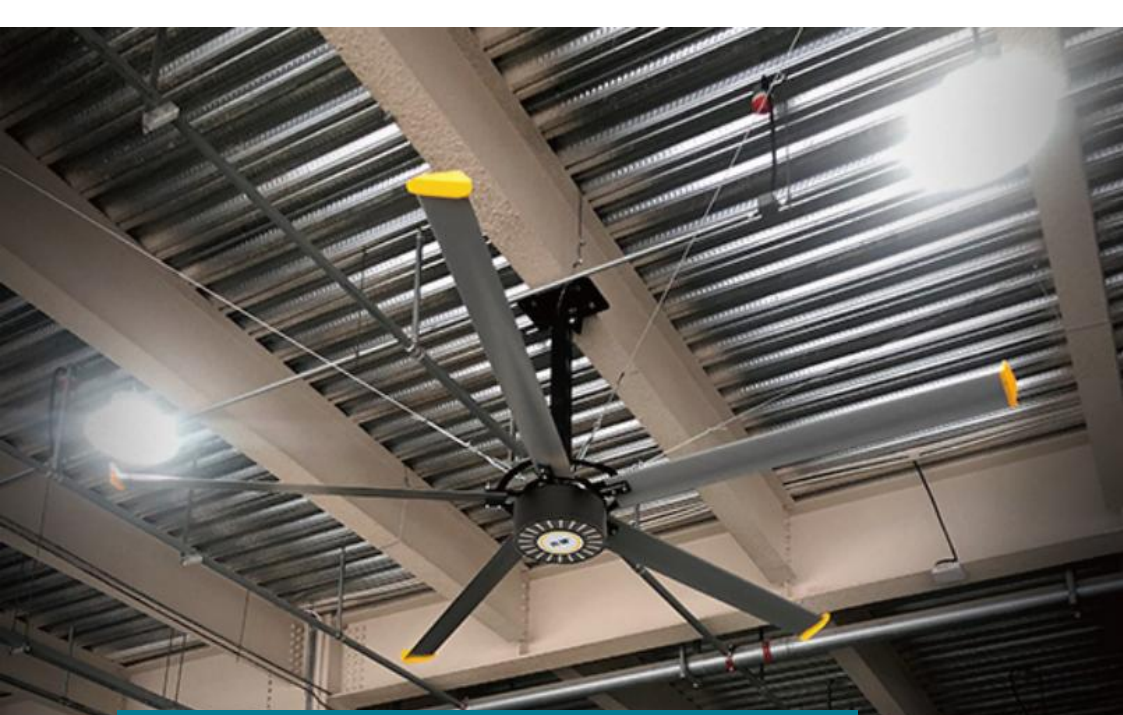
Shelving structure

Note: The above is a common structure, other structures such as: composite structure, bolt ball grid structure, goose plate structure, etc., the company has mature installation programs to match.

3 MP-FX Series Technical Data

MP-FX Series							
No.	Model	Size	Air Volume	Power	Max Speed	Fan Weight	Full load current
1	HVLS-MPFX-2473	24ft (7.3m)	13600m ³ /min	1.3kW	58rpm	106kg	3.5A
2	HVLS-MPFX-2061	20ft (6.1m)	12200m ³ /min	1.3kW	62rpm	102kg	3.5A
3	HVLS-MPFX-1855	18ft (5.5m)	12030m ³ /min	0.75KW	70rpm	92kg	2.5A
4	HVLS-MPFX-1649	16ft (4.9m)	11190m ³ /min	0.75KW	80rpm	85kg	2.5A
5	HVLS-MPFX-1442	14ft (4.2m)	7500m ³ /min	0.75KW	80rpm	82kg	2.5A
6	HVLS-MPFX-1236	12ft (3.6m)	6800m ³ /min	0.4KW	100rpm	70kg	2A
7	HVLS-MPFX-1031	10ft (3.1m)	5500m ³ /min	0.4KW	110rpm	68kg	2A

Remark: Other size can be customized as per your requirement.



MP-FX Series

Application field

- * Commercial public place
- * Manufacturing industry
- * Logistics warehousing
- * Sports Center
- * Leisure tourism



Leisure tourism



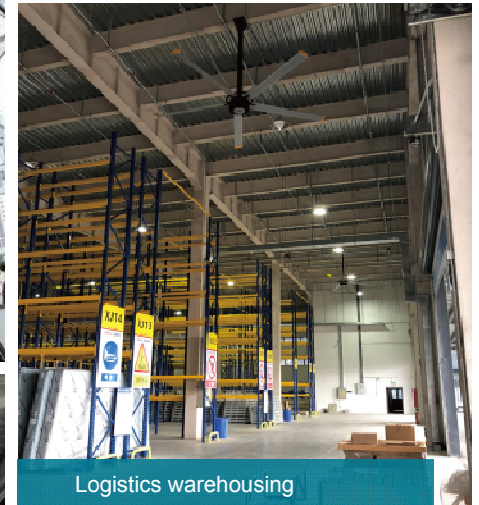
Commercial public place



Manufacturing industry



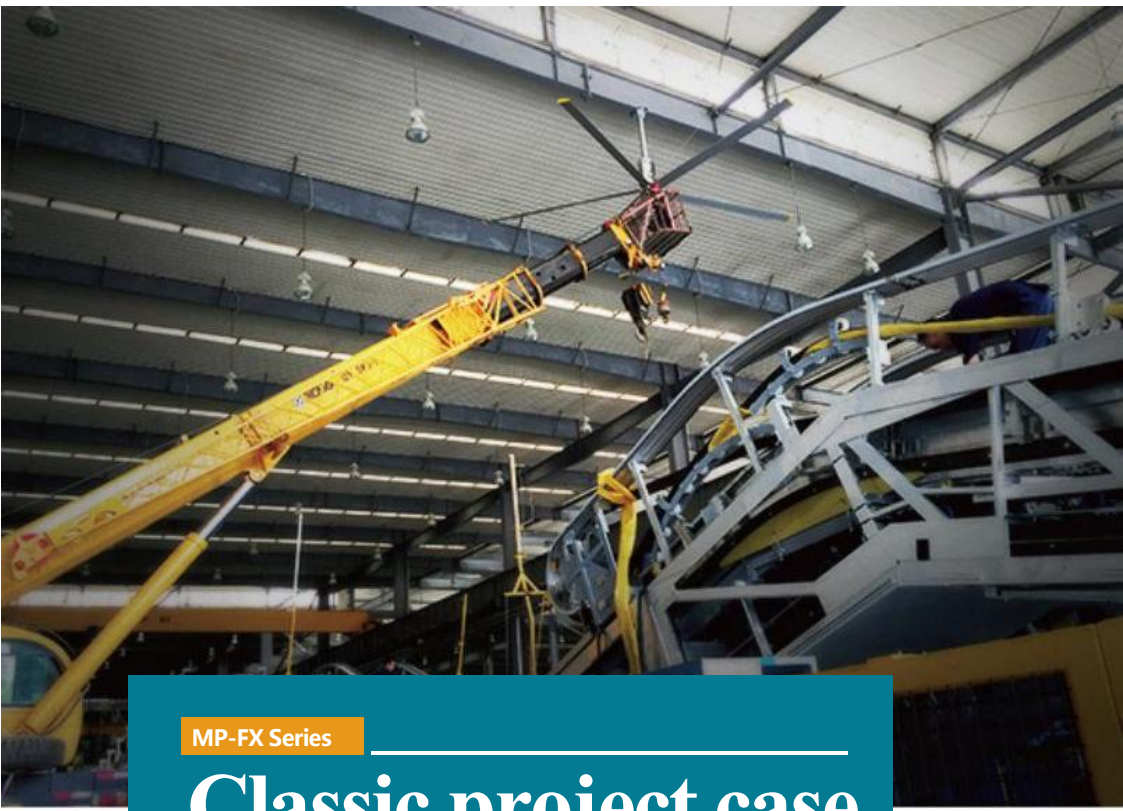
Logistics warehousing



Logistics warehousing

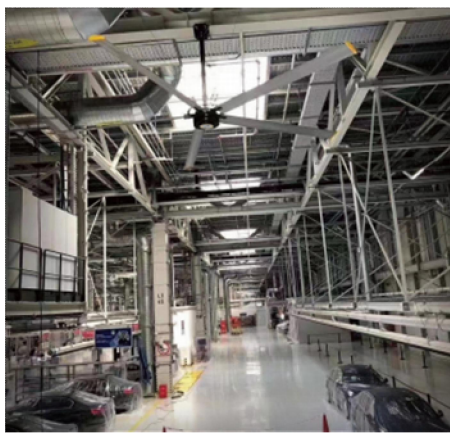


Sports Center



MP-FX Series

Classic project case



Quality Assurance

Our confidence in our products comes from the quality of our products. Wood dart passed CE, TUV certification and the State Quality Supervision Bureau of the strict Certification, strict production, quality assurance management system and international quality of product parts and raw materials, to ensure the product of more than 15 years of service life.

Move-Point technology has an efficient and professional after-sales service team to provide users with perfect after-sales service.

Move-Point Technology provides users with:

- 1) Long time quality assurance of the whole machine
- 2) Provide product liability insurance, underwritten by PICC
- 3) Full third-party certification of products

Move-Point Intelligent Equipment (Guangzhou) Co., Ltd

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Move-Point Ivana
(HVLS Fans)



Wechat



Ivana

WhatsApp 联系人



Whatsapp

Service Guarantee

After-sales service is a very important guarantee for the stable operation of equipment. Because of this, Move-Point technology has always provided users with high-quality products and perfect after-sales service, at present, Move-Point technology has set up sales and after-sales service centers in five regions of the country, to ensure that the first time to provide users with thoughtful, fast, high-quality and comprehensive after-sales service, so that users can buy with peace of mind and worry.

Move-Point technology to provide 24 hours a day service and technical support products in the warranty period encountered problems, the after-sales department will respond within 24 hours due to natural disasters man-made damage and warranty outside the problem, the after-sales department will still respond within 24 hours, and provide technical advice and support, in order to cooperate with customers to solve the problem as soon as possible. If users need other support services, we will try our best to cooperate with you.

MAIN SALES NETWORK

