



*Let The World Feel Like Spring Breeze*

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Serving **5000+** users worldwide

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# DAWANG FAN

High Volume Low Speed

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HVLS new intelligent IoT super large  
energy-saving fan manufacturer

Jiangsu Dawang Ventilation Machinery CO.,LTD

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# About us

Jiangsu Dawang Ventilation Machinery Co., Ltd. (Hereinafter referred as "Dawangfan") is a manufacturer of HVLS new intelligent IoT large energy-saving fans. It's committed to provide customized solutions for ventilation, cooling, dehumidification, and dust removal for large spaces for global users!

Dawangfan devotes to R&D, manufacturing, sales of HVLS super large fans, and provides all-round 4S maintenance work. With years of industry experience and powerful R&D team, Dawangfan continuously develop new fans, such as the new HVLS super large energy-saving ceiling fans, Pole fans, standing fans, wall fans, and mobile fans based on theory of PMSM (Permanent magnet Synchronous Motor). We're always in a leading position of industry.

Adhering to the development concept of "customer demand-oriented, safety guarantee as the core, and artificial intelligence as the goal", Dawang Fan insists on manufacturing reliable products, providing high-quality services, and striving to become an international excellent brand that solves the problems of improving the environment for tall spaces!

## OUR VALUES

“ Create value for users wholeheartedly ”

### SLOGAN

DAWANG APPOINTS ME TO VENTILATION

### ORIENTATION

FOCUS, EFFICIENT, SAFETY

### MISSION

LET THE WORLD FEEL LIKE SPRING BREEZE

### VISION

TO BE THE LEADER OF THE INTELLIGENT ERA  
OF VENTILATION & COOLING FOR LARGE SPACE

# Development

**2013**

Industrial large fans project begin

**2015**

The "Dawang fan" brand was born, opening the area of HVLS fans

**2016**

Launched the "Healthy Style" series of products for the first time, quickly won market recognition

**2017**

Passed the ISO 9001, independently developed the PMSM permanent magnet brushless motor and entered the test stage

**2018**

The birth of the intelligent remote control system opens the era of HVLS intelligent IoT

**2019**

Won the "National High-tech Enterprise", the honors of "Wuxi Young Eagle Enterprise" and "Science and Technology Innovation Demonstration Enterprise"

**2020**

Won the title of "Top Ten Technology Innovation Enterprises", launched W series and DW series products, opened a new era of PMSM permanent magnet synchronous technology.

**2021**

Passed the after-sales service system certification and intellectual property management system certification, and won the title of "Jiangsu Province Samsung Cloud Enterprise"

**2022**

Incorporated into the specialized and special new enterprise cultivation library, entering the fast track of high-quality development

## Qualification

Dawangfan has passed ISO9001:2015 quality management system certification, occupational health and safety management system, five-star after-sales service qualification certification and TUV in-depth factory inspection.

Dawangfan has more than 35 patents, including 3 invention patents, completed intellectual property, which get the "High-tech Enterprise", "Wuxi Chuying Enterprise" and other honors. The fan has passed FCC, CE, ROHS, CCC, CSA, GL, UL certification, authoritative destructive test of the key components.



Top 10 Technology  
Innovation Enterprises



Technology Innovation  
Model Enterprise



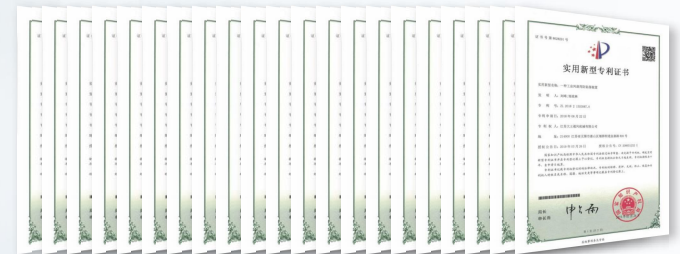
Wuxi Chuying Enterprise



High-tech Enterprise



**35+** Patent Certificates



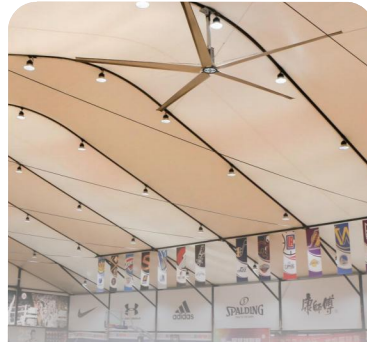
# Dawang Fan devotes to solving the problem of air environment in high and large spaces

## PROBLEMS THAT CAN BE SOLVED



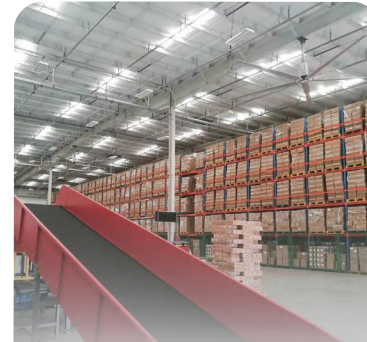
### workshop warehouse

Large span, high height, high temperature and stuffiness, exhaust gas dust, damp and moldy, heatstroke of employees caused by temperature stratification, low attendance rate, low work efficiency, high turnover rate etc.



### Commercial site

The space is relatively closed, the indoor air is turbid, the summer is sultry and the humidity of the rainy season causes heatstroke, slippery floors, high bacterial concentration and central air-conditioning consumes a lot of energy, which cannot solve the problem of air turbidity and temperature stratification.



### Logistics and warehousing

The staff moved frequently, the room was stuffy and poorly ventilated, heatstroke caused by high temperature and humidity and goods deteriorated.



### Livestock breeding

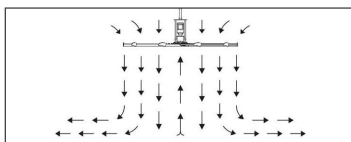
Semi-open buildings, environmental's dirty and messy control of animal husbandry is related to the growth and development of livestock, disease resistance, epidemic prevention, milk production, and qualified milk production.

# Dawang industrial fan application principle

## PROBLEMS THAT CAN BE SOLVED

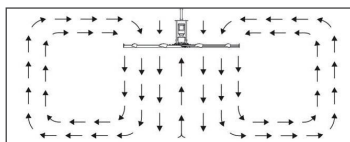
### ► open space

The airflow blows from the fan blades to the ground. When the airflow hits the ground, it will be pushed outward in all directions, extending outward until the transmission distance or obstacles.



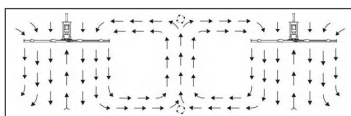
### ► hermetic space

When the airflow pushed outwards reaches the wall, the wall deflects the airflow upwards. After it hits the ceiling, the upward airflow is directed to a low-pressure area above the fan, where it is pulled toward the floor. This creates a convective-like airflow that will gain momentum.



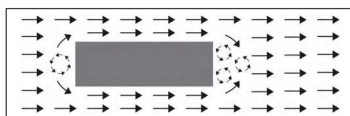
### ► Multi-fan combination

When there are multiple properly spaced fans, the airflows of adjacent fans meet to form a pressure zone. The pressure zone acts like a wall, making each fan act like an enclosed fan. Usually, a fan's performance improves when it works with other fans.



### ► Obstacle

Obstacles on the floor will block the horizontally moving airflow, but will not block too much airflow if the height of the obstacle is below the active airflow. Air flows smoothly around these obstacles, losing a little momentum and leaving only a small stagnant area behind the obstacle.



### natural ventilation

The fan blades run at low speed to accelerate the indoor air circulation, effectively eliminate the indoor temperature stratification and realize the exchange of fresh air inside and outside.



### body cooling

Simulate 2-3 levels of natural wind speed, all-round three-dimensional circulating air supply, accelerate the evaporation of human sweat, and achieve a 5-8°C cooling effect.



### Environmental dehumidification

Huge airflow takes away indoor humid air, inhibits condensation on the surface of materials, reduces bacteria and mildew, and makes the working environment drier and more comfortable.



### Environmental dust removal

The Dawang fan can realize reverse operation, cooperate with the air building or ventilation shaft of the building, and quickly extract a large amount of dirty air and smoke from the room to keep the air in the working environment fresh.

# How Dawangfans improve the environment and human comfort in different seasons?

## heavy rainy season

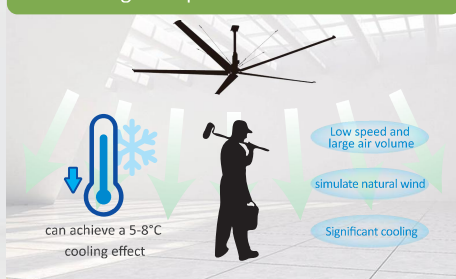


Easy to breed bacteria to form mildew

## Spring and autumn

In the rainy season, there is a lot of rain, heavy humidity and large temperature difference between morning and evening. Condensation is easy to occur on the surface of objects, which is easy to breed bacteria and form mildew. It also accelerates the oxidation and rust of metal surfaces. Use Dawang energy-saving large ceiling fans to accelerate air circulation and effectively inhibit mold, keep the room dry and prevent the goods from rusting and mildewing.

## high temperature in summer



Other small fans or single fans have a small service range

## Summer (no air conditioning)

In summer, the temperature rises, and the service range of small fans or other individual cooling equipment is small. Dawang industrial large fan has low speed and large air volume, simulating 2-3 levels of natural wind blowing continuously, which can achieve a 5-8°C cooling effect and improve environmental quality and human comfort.

## Summer (with air conditioning)

In some spaces, when the air conditioner is running, due to the stratification of hot and cold air, the space will be unevenly cooled and heated, which will increase the energy consumption of the equipment. The use of Dawang energy-saving large fans can accelerate internal air convection, eliminate air stratification, increase the temperature of the air conditioner by 2-3°C, and save more than 30% of electricity.

## Inefficient air conditioning in summer



Stratification of hot and cold air increases equipment energy consumption

## winter

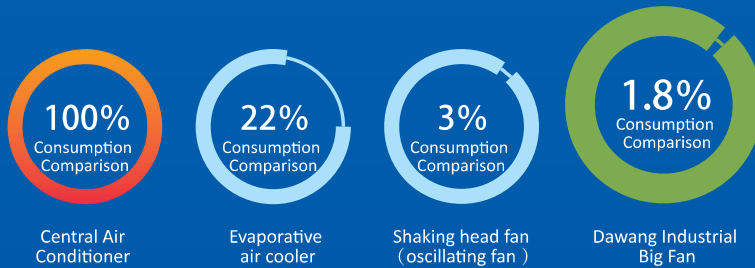
In winter, many large places use heating equipment such as air conditioners. As the warm air continues to rise, airflow stratification is formed in the space, resulting in a higher temperature at the top, while people below still feel cold. The use of Dawang energy-saving large fans can fully stir the upper and lower airflows, realize the balance of upper and lower temperatures, reduce the heating time of equipment, and effectively save 30% of heating energy consumption.

## low winter temperature



Stratification of hot and cold air increases equipment energy consumption

## Consumption Comparison



### Cost Comparison

Item	Dawang Industrial Big Fan	Shaking head fan (oscillating fan)	Evaporative air cooler	Central Air Conditioner
Power/KW	*1.5	0.25	1.5	520
QTY/set	6	200	75	*1
Initial investment/\$	18,000	7,350	258,000	662,000
Average life/year	*15	2	6	10
Annual electricity fee/\$	2,350	2,650	195,00	140,000
Annual maintenance/\$	150	3,680	5,200	20,000
Cost for 10 years/\$	42,650	70,600	503,000	2,260,000
Cost Comparison	*1.8%	3%	22%	100%

Note: Simulation of 1000m<sup>2</sup> plant, daily running 10 hours/day from May to October, totally work 1380 hour for 1 year, electricity cost at USD0.15/KWH.

FOCUS | EFFICIENT | SAFETY

## Dawang Fan Core Technology

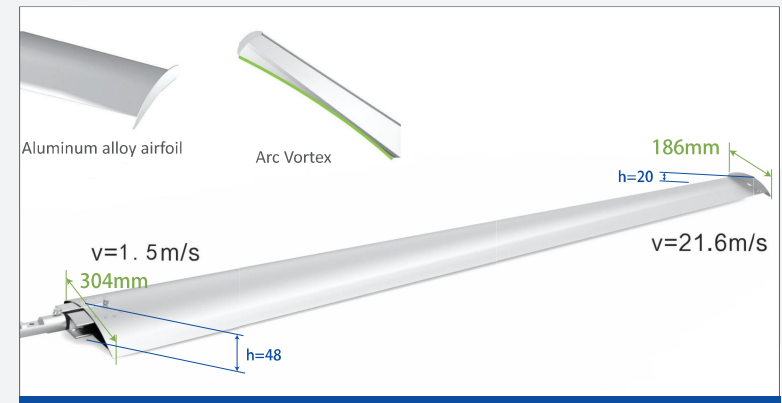
Patented structure



Safe blade—the core components of airflow

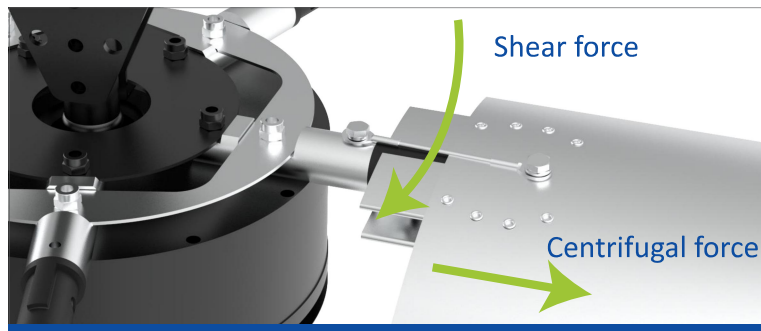
### A. Blade design: streamlined variable cross-section

Through aerodynamic simulation analysis, adopting the theory of equal chord length, combined with the principle of relative linear velocity, a streamlined fan blade with variable cross-section has been designed. It varies along its length & gets narrower and thinner gradually from the blade root to blade tip. The force on the blades is more balanced, making blade move air more uniformly without any holes underneath the fan.



## B. Blade material: aviation-grade industrial aluminum alloy sheet

Adopting 5052H32 high-grade 1.5MM aviation-grade aluminum alloy original sheet, processed by CNC precision with higher strength and higher flexibility to ensure no breakage. Each blade is only 6.7 kg ( For 7.3M diameter fan, buffer parts are not included), fewer blades & lighter weight will prolong the motor life, so more safe and energy-saving.



## C. Blades connection: multi-point riveting process

Each blade is riveted by 16 pcs of high-strength rivets (Each single rivet is designed to withstand of 1.5 tons of tensile strength) , forming an independent stressed surface to withstand a shear force when the fan runs.



## Buffer structure—high-efficiency fan components

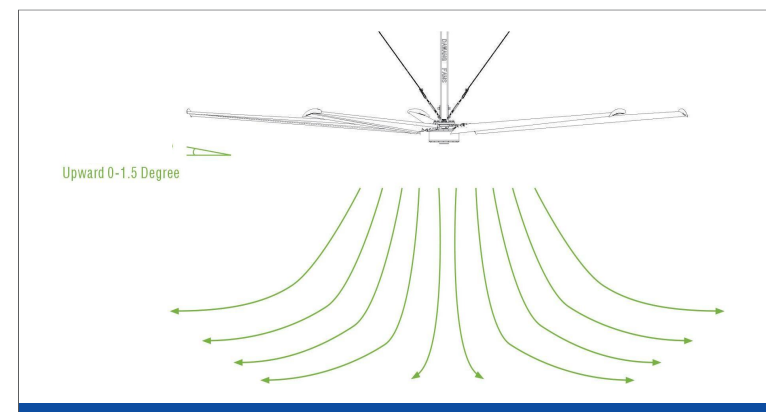
### A. Shock-absorption Rubber

The whole petioles are coated with polyurethane rubber, which match the buffer cavity of blade perfectly, it can absorb the blade stress & airflow vibration efficiently, and this helps to reduce the motor load and prolong the motor life.



### B. Move upward 0-1.5°

0-1.5° upward slightly: There is a precise angle limit in the buffer cavity. When the petiole and the buffer cavity are connected, it forms 0-1.5° upward slightly, which effectively eliminates the reverse force generated during fan running, and forms a cone-shaped airflow to achieve hole-free of the center and increase the coverage.



## Patented wheel hub — the core of fan safety

### A. Patented Integrated Hub

The petiole and the wheel/motor are integrated through the interlocking of the stepped concave-convex section, and the overall structure will withstand the centrifugal force when the fan runs, while all fasteners are not stressed.



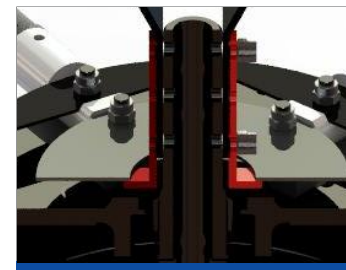
### B. Patented tapered bushing structure

The center of the hub is equipped with tapered bushing, which forms a structural self-lock with the motor shaft. Under gravity, it forms a natural tension to ensure a reliable connection between the whole hub and the motor.



### C. Safety Anti-fall Structure

The 5 petioles are integrated with the anti-drop ring by bolts to prevent falling due to falling off of the hub or shaft-broken.



### D. Safety Anti-fall Structure and outer rotor motor

The anti-drop ring and the motor flange form a ferrule to ensure effective hooking in case of motor shaft-broken to ensure safe operation.





W.FANS series industrial large fans are new HVLS energy-saving ultra-large industrial fans independently developed by Dawangfan based on PMSM (PERMANENT MAGNET SYNCHRONOUS MOTOR) technology.

Series	W.Fans Series								
Model	W26	W24	W22	W20	W18	W16	W14	W12	W10
Specification/ Diameter(m)	8	7.3	6.7	6.1	5.5	4.9	4.2	3.6	3.1
Speed(rpm)	10-45	10-55	10-60	10-60	10-70	10-75	10-80	10-85	10-90
Full-load air volume(m³/min)	15800	14550	13800	12600	11500	10800	9280	7954	6849
Coverage area(m²)	2462	2123	1809	1520	1256	1017	804	615	452
Rated power(kw)	1.5			1.1			0.75	0.4	
Average consumption (kW·h)	≤1.2	≤1.0		≤0.7				≤0.4	
Noise(dB)	39								
Power supply(V)	380V/220S								
Full-load current(A)	2.8 (380V) /4.6 (220V)			2.6 (380V) /3.0 (220V)			2.5	2.0	
Total weight(kg)	108	92	90	73	63	60	47	42	39

## Features of W.Fans Series



Power system:  
PMSM motor

1. More powerful: 260N.m amazing torque, stronger driving force, smoother torque.
2. More efficient: Unique outer rotor large torque design, which can control the accuracy with higher precision.
3. More low energy consumption: more than 30% energy-saving than traditional geared motors, meet IE4 high-efficiency energy-saving standards and GB30253-2013 national energy efficiency first-level standards.
4. Free maintenance for life: completely sealed, no need to replace lubricating oil/oil seal and other accessories, saving a lot of post-maintenance costs.
5. Ultra-low Noise: ultra-low volume, only the sound of the wind is echoing in your ears.
6. Low temperature-rise: the temperature-rise of the motor is less than 35 °C, and the life of motor is longer.



Control system :  
Frequency Controller

1. Easy debugging, built-in application macro, no need for self-learning.
2. Excellent performance, perfectly matching the operating parameters of the load motor.
3. Low-noise operation, optimize algorithm control & start smoothly.
4. Safe and reliable, multiple protection programs are set inside to improve product life.

Structural connection:  
mortise and tenon connection, key parts  
are patent designed, and the whole fan safety can  
be ensured.



#### 1. Blade and petiole connection:

The petioles are made of 6061T6 aviation-grade alloy, processed by CNC precision coated with polyurethane rubber after CNC precision processed (PU has high resilience, shock absorption, abrasion resistance, oil resistance, tear resistance, chemical corrosion resistance and radiation resistance), which match the buffer cavity of blade perfectly. It can release the blade stress & airflow vibration efficiently when fan runs, and eliminate resonance, and this helps to reduce the motor load and prolong the motor life.

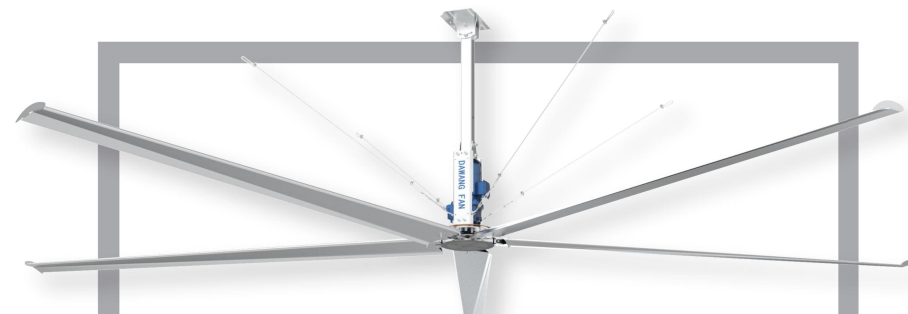
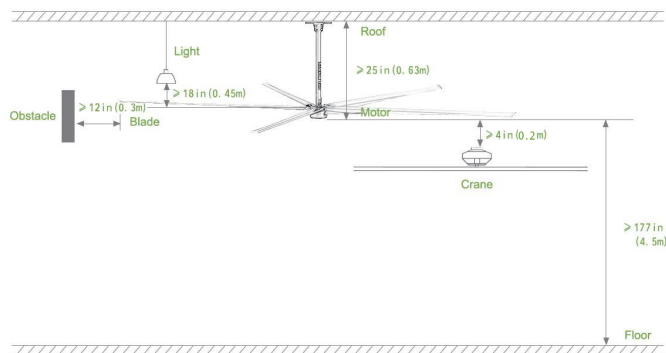
#### 2. Petiole and hub connection:

The petiole and the wheel/motor are integrated through the interlocking of the stepped concave-convex section, and the overall structure will withstand the centrifugal force when the fan runs, while all fasteners are not stressed.

#### 3. Motor and flange connection:

Anti-falling safety ring: 5 petioles are integrated with the upper cover of the motor to achieve the whole structures will bear the stress.

Anti-falling plate: The "concave" section of the flange and the "convex" section of the anti-falling ring are connected under the gravity to ensure the reliable connection between the motor flange and the motor.



## D.FANS Series

D.Fans series industrial large fan is a new type of HVLS energy-saving super large industrial fan independently developed by Dawangfan based on the principle of aerodynamics. It has It pushes 1~3 levels similar to natural wind effect at low speed large air volume and all-round air circulation. It can eliminate high temperature stuffy, balance air humidity, increase oxygen content in the space, smoke and dust removal, low bacterial concentration, effectively solve the problems of stuffy and humid of high and large spaces, air stratification, and persistent smoke and dust.

Series	D.Fans Series								
Model	D26	D24	D22	D20	D18	D16	D14	D12	D10
Specification/ Diameter(m)	8	7.3	6.7	6.1	5.5	4.9	4.2	3.6	3.1
Speed(rpm)	10-45	10-55	10-60	10-60	10-70	10-75	10-80	10-85	10-90
Full-load air volume(m³/min)	15800	14550	13800	12600	11500	10800	9280	7954	6849
Coverage area(m²)	2462	2123	1809	1520	1256	1017	804	615	452
Average consumption (kW·h)	≤1.5	≤1.2		≤0.7					
Rated power(kw)	1.5			0.75					
Noise(dB)	≤50								
Full-load current(A)	3.2			2.1					
Power supply(V)	380V/220S								
Total weight(kg)	106	101	99	96	95	90	88	86	82

## Features of D.Fans Series

Motor:  
Germany Nord or other brands of the same level



1. High energy-efficient: meet IE2 efficient energy-saving standard, 5~10% energy-saving than that of IE1;
2. High reliability: high axial and radial load capacity to ensure operational reliability;
3. Low noise: low tooth gap assembly process and grinding technology, small vibration, lower noise;
4. High safety factor: strengthen the bearing frame structure, trapezoidal output structure, increase oil seal, strengthen the body structure, and higher safety factor;

Control system:  
Frequency Controller



1. Easy debugging, built-in application macro, no need for self-learning;
2. Excellent performance, perfectly matching the operating parameters of the load motor;
3. Low-noise operation, optimize algorithm, control the start smoothly;
4. Safe and reliable, multiple protection programs are set to increase product life.

Fan blades:  
Streamlined variable cross-section aviation blades



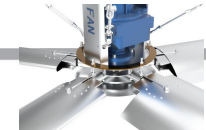
1. 5052H32 aviation-grade aluminum blades with thickness 1.5mm, which can withstand more than 3 tons of tension, the blades will not get break down when being impacted.
2. Streamlined fan blade with variable cross-section, it gets narrower and thinner gradually from the blade root to blade tip, the force on the blades is more balanced with smaller wind resistance, making blade move air more uniformly without any holes underneath the fan.
3. More lighter & more safer: it's only 6.7kgs per blade for 7.3m fan blade, the lighter the safer.

Hub chassis

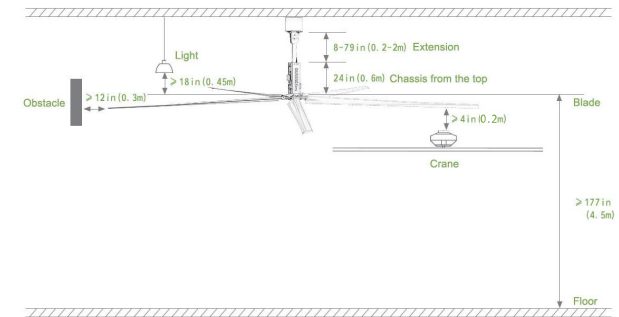


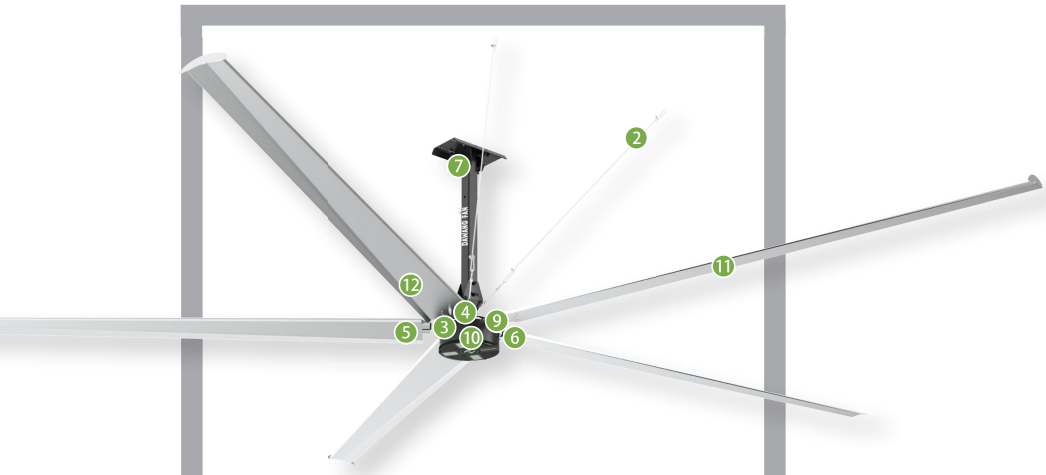
1. Nice mechanical property: made of 6061T6 aviation-grade aluminum plate, after CNC precision machining, perfect appearance & metal streamline to ensure nice mechanical performance.
2. Precise dynamic balance. after CNC machining, the max. tolerance is only 100μm, which can ensure nice dynamic balance performance.

Mortise and tenon connection:  
Full mortise and tenon connection structure, ensuring the safety of the whole fan



1. Motor and hub chassis: through the tight connection between the inner tapered bushing and outer tapered bushing, even if the motor shaft is broken, the inner and outer bushings form a structural self-locking to prevent falling.
2. Chassis and petiole: The petiole and the chassis are connected by hook-type mortise and tenon joints, and the bolts are not stressed to ensure the whole structure strength;
3. The petioles are coated with polyurethane rubber, which match the buffer cavity of blade perfectly. It can absorb the blade stress & airflow vibration efficiently, and this helps to reduce the motor load and prolong the motor life.





10  DAWANG FAN

### Dawangfan Safety Protection Measures

Ensure industrial large fans run safely,  
easily copes with  
various harsh operating environments

# W.FANS Series



**1. Real-time monitoring and initiative maintenance:**  
Dawang Fans' smart remote control system, monitors equipment operating parameters, motor temperature and equipment level.



**2. Steel Wire Rope Balance Protection:**  
The 4 steel wire ropes are fixed on the building to ensure that the whole fan does not shake if with external forces and airflow.



**3. Shock-absorbing buffering device:**  
The petiole and the blade are connected non-rigidly by shock-absorbing device, and the special shock-absorbing rubber absorbs most of the vibration when fans run.



**4. Anti-falling safety ring:**  
5 petioles are integrated with the upper cover of the motor to prevent the overall falling of the hub.



**5. High-strength riveting connection for blades:**  
Each blade uses 16 high-strength rivets, which is riveted with the buffer cavity to form an independent stressed surface. Each rivet is designed to withstand a shear force of 1.5 tons



**6. Mortise and tenon connection:**  
The petiole is embedded in the buffer cavity, and the side is fixed with bolts to prevent falling off, which can eliminate the outward centrifugal force of the blades when the fan runs and the shear force when the fan starts/stops.



**7. Wire rope winding protection:**

The mounting bracket and house beam are wound with a 1000kg tension strength steel wire rope to ensure that the overall structure of the fan is not loosen or falling.



**8. Abnormal alarm system:**

The VFD system comes with accident protection for over-pressure, overload, and absence etc. It alarm automatically when encountering abnormalities, and then stops running.



**9. High-tensile strength petiole material:**

6061-T6 petiole, high strength, high hardness, can reach HB90 or more, has good corrosion resistance and can withstand 205MPa tensile strength.



**10. Anti-falling plate:**

The "concave" section of the flange and the "convex" section of the anti-falling ring are connected under the gravity to ensure the reliable connection between the motor flange and the motor.



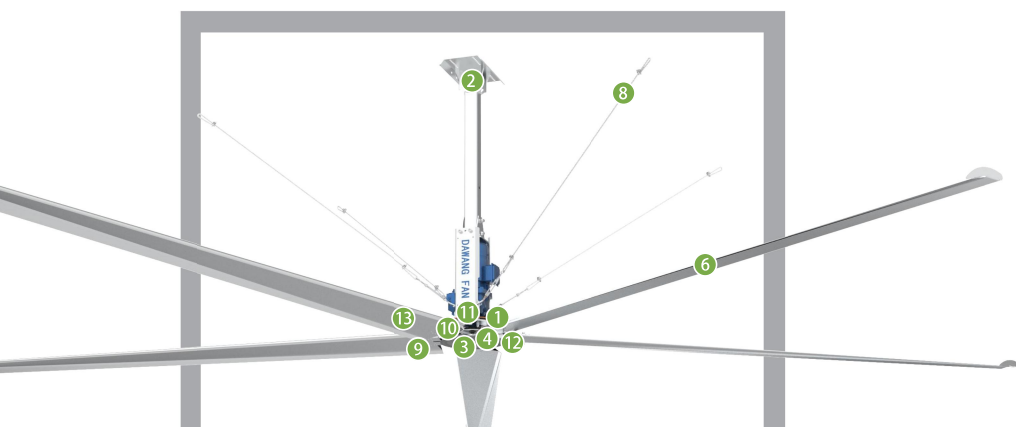
**11. Streamlined variable cross-section designed:**

Adopting the theory of equal chord length in aerodynamics, combined with the principle of relative linear velocity, the blade gets narrower and thinner gradually from the blade root to blade tip, the force on the blades is more balanced, making blade move air more uniformly without any holes underneath the fan.



**12. Aviation-grade anti-collision blade material:**

1.5MM thick 5052 aviation aluminum sheet, which can withstand more than 3 tons of tensile force. The ultra-high toughness ensures that the blade can be deformed quickly when it's impacted, and this absorbs external forces effectively, preventing the blades from breaking down. Avoiding the damage to the motor and other structural parts


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Dawangfan Safety  
Protection Measures

Ensure industrial large fans run safely,  
easily copes with  
various harsh operating environments

# D.FANS Series



## 1. Anti-falling safety ring:

5 petioles are integrated with the upper cover of the motor to prevent the overall falling of the hub.



## 2. Wire rope winding protection:

The mounting bracket and house beam are wound with a 1000kg tension strength steel wire rope to ensure that the overall structure of the fan is not loosen or falling.



## 3. Anti-drop self-locking device:

Motor output shaft tensioning device (Patented tapered bushing design) forms structural self-locking to ensure that the wheel hub and the motor shaft are not loosened.



## 4. Integrated hub:

The patented integrated hub is embedded with 5 special-shaped fasteners, and it can withstand more than 11 tons of tensile strength tested by government.



## 5. Real-time monitoring and initiative maintenance:

Dawang Fans' smart remote control system monitors equipment operating parameters, motor temperature and fan horizontal level.



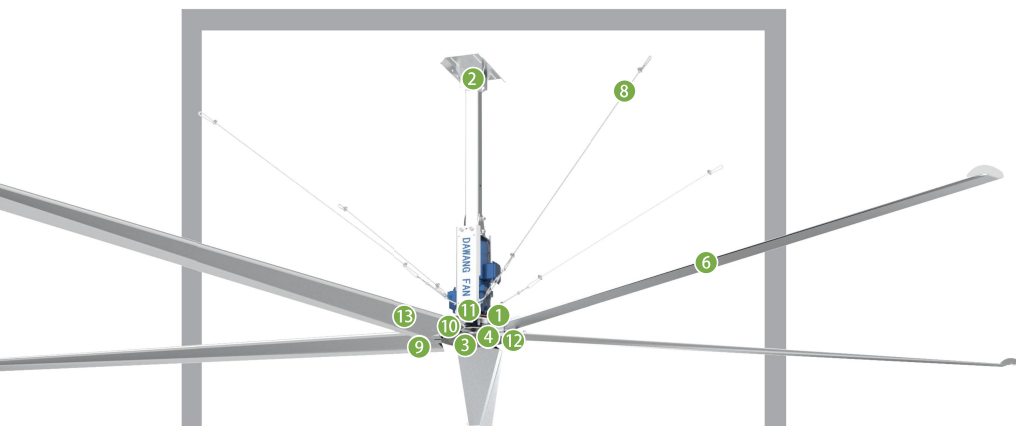
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The VFD system comes with accident protection for over-pressure, overload, and absence etc. It alarm automatically when encountering abnormalities, and then stops running.


10 
  
DAWANG FAN

**Dawangfan Safety  
Protection Measures**

Ensure industrial large fans run safely,  
easily copes with  
various harsh operating environments

# D.FANS Series



## 8. Steel Wire Rope Balance Protection:

The 4 steel wire ropes are fixed on the building to ensure that the whole fan does not shake if with external forces and airflow.



## 9. High-strength riveting connection for blades:

Each blade uses 16 high-strength rivets, which is riveted with the buffer cavity to form an independent surface stressed. Each rivet is designed to withstand a shear force of 1.5 tons



## 10. Mortise and tenon connection:

the petiole is embedded in the buffer cavity, and the side is fixed with bolts to prevent falling off, which can eliminate the outward centrifugal force of the blades when the fan runs and the shear force when the fan starts/stops.



## 11. Anti-desoldering safety module:

The "L" shape connection device connects the frame flange plate and its brackets together firmly. Even if the flange plate and the brackets are desoldering, the whole fan frame structure keep firm & doesn't get falling.



## 12. Shock-absorbing buffering device:

Petioles are made of 6061T6 aviation-grade Aluminum alloy coated with polyurethane rubber, which match the buffer cavity of blade perfectly. It can release the blade stress & airflow vibration generated by the blade when it runs, and eliminate resonance efficiently, and this helps to reduce the motor load and prolong the motor life.



## 13. Aviation-grade anti-collision blade material:

1.5MM thick 5052 aviation-grade aluminum sheet, which can withstand more than 3 tons of tensile force. The ultra-high toughness ensures that the blade can be deformed quickly when it's impacted, and this absorbs external forces effectively, preventing the blades from breaking down. Avoiding the damage to the motor and other structural parts.

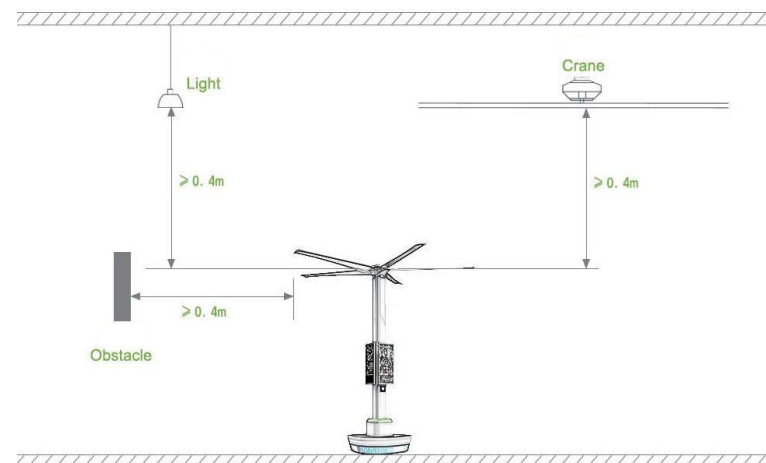


DW.FANS series is a pole standing HVLS energy-saving fan developed by Dawangfan. It breaks the installation restrictions of traditional industrial big fans and is suitable for more indoor and outdoor places where need ventilation and cooling, such as airports, high-speed rail, playgrounds, bars, restaurants, Civic square, commercial complex etc.

The DW.FANS series solves the industry problem of outdoor cooling. In the outdoors, due to the limitation of the site and the environment, the common ventilation and air conditioning equipment often cannot work well, while the DW.FANS series energy-saving fans are more suitable for such applications, which can create a comfortable feeling close to natural wind.

Series	DW.Fans Series		
Model	DW20	DW18	DW16
Specification/ Diameter(m)	6.1	5.5	4.9
Speed(rpm)	10-60	10-70	10-75
FullLoad air volume(m³/min)	8690	7836	6220
Coverage area(m²)	920	730	580
Average consumption (kW·h)	≤0.8		
Rated power(kw)	1.1		
Noise(dB)	≤38		
FullLoad current(A)	3.2		
Power supply(V)	380V/220S		
Total weight(kg)	73	63	60

1. Intelligent atomization cooling system timing quantitative, cooling and humidification.
2. Intelligent anti-epidemic disinfection and sterilization system, timely and quantitative, all-round disinfecting.
3. Multimedia video, audio/advertisement access Multimedia, ultra-high-definition display (LCD/LED), which can scroll and push text, pictures, video, audio, and interactive functions.
4. 5G micro base stations (telecom, mobile, China Unicom) enjoy WIFI anytime, anywhere, and can surf the Internet in real time, obtain traffic, push advertisements, and expand marketing.
5. Real-time preview of intelligent security monitoring Playback, storage, alarm, video can be extended to face recognition, license plate recognition and other functions.
6. The intelligent environment monitoring system monitors the on-site temperature, humidity and PM2.5 data in real time according to the climate and environment, and the multimedia scrolling display.
7. Micro station, leisure deck, mobile power supply, mobile phone fast charging.
8. Intelligent remote control, APP control.
9. Intelligent and convenient, real-time monitoring, initiative maintenance.



## DM.FANS Series



DM.FANS series is a hand-push mobile HVLS large fan which R&D independently by DawangFan based on the principle of PMSM permanent magnet synchronization. Super wide angle fan DM.FANS series can blow air over 40M, bringing the cooling effect equivalent to more than 30 small fans. Its easy-to-roll swivel casters can pass any standard. This fan is more suitable for indoor and outdoor sites that need ventilation and cooling, such as workshops, gyms, outdoor etc.

Series	DM.Fans Series
Model	DM48
Specification/ Diameter(m)	1.25
Power supply(V)	220V/50Hz
Rated power (kw)	0.6
Full speed air volume (m³/min)	630
Speed (rpm)	440
Air supply distance (m)	25-35
Total weight(kg)	60
Applicable area (m²)	300-600
Dimension(mm)	1510*790*1680



**1. More convenient**  
Free installation, plug and play. The 4 casters with side brakes can move freely to adapt to the changing needs of the personnel workplace.



**2. More energy efficient**  
Adopt PMSM permanent magnet synchronous motor, save 30% energy consumption, IE4 energy-efficient standard, GB30253-2013 National Energy Efficiency Standard.



**3. Lifetime free maintenance**  
Completely sealed, no need to replace lubricating oil or seal parts, saving a lot of maintenance costs.



**4. More silent**  
Ultra-low volume, only the sound of wind in the ears.



**5. Longer life**  
The upper limit of motor temperature rise is 120°C, it will not demagnetize, the lifespan is longer! The working life of the drive control part capacitor can be up to 32000 hours!



**6. More durable**  
Adopt reinforced PP material, precision CNC molding, high strength and flexibility to ensure no breakage.

## DAWANGBOX Control system



### 1. Intelligent management

- ① Centralized control and management of all fans in the same workshop/area, a single control terminal can manage and control up to 48 fans.
- ② The speed can be set uniformly, the fan can be switched on and off at regular intervals to avoid repeated operations by personnel and reduce equipment damage.
- ③ Wireless communication, avoiding complicated and long-distance wiring, remote control by mobile phone APP.



### 2. Operation supervision

- ① 7\*24 hours real-time monitoring of operating data.
- ② Real-time monitoring, monitoring the running status anytime and anywhere.
- ③ Real-time alarm for equipment abnormalities, accurate diagnosis of fault causes and generation of fault codes, real-time transmission of diagnostic data, provision of after-sales evidence.



### 3. Remote after-sales service

Receive equipment failure alarms in real time, quickly generate maintenance plans based on diagnostic data, improve collaboration efficiency with users, quickly solve On-site problems, provide users with better service.

# Choose Dawang after-sales service, more safe and confidence



Five-star after-sales service certification



## Dawang After-sales Safety Service Guarantee

Provide indiscriminate after-sales service throughout the life cycle of equipment

Dawang Fan has an experienced electrical, mechanical, installation and construction team with extremely strict operating specifications and various service standard regulations in the market, which can provide the most complete guarantee for safe within the whole life cycle:

**Professional installation** Customize industrial large fans and supporting installation service solutions that meet the needs of enterprises.

**Professional maintenance** Regular inspection and provide service according to Dawang maintenance manual

**Professional maintenance** Provide online guidance + offline maintenance services based on feedback information

**Professional transfer** Customize and implement the relocation plan according to actual needs

### Dawang after-sales service response guarantee

DawangFan has established a complete set of after-sales service regulations and standards, and established maintenance service teams all over the country to ensure that each enterprise can enjoy all-round, fast, safe, high-quality, and high-standard after-sales service, allowing enterprises to use industrial large The fan cuts off any worries during the process.

### Dawang Fan provides 24-hour service and technical support

Product fault repair, quick response within 2 hours online, arrive at the scene within 48 hours until the fault is resolved;

If the enterprise needs other support services, we will also try our best to cooperate and serve wholeheartedly.

24-hours toll-free hotline:  
400-086-9230.

## Dawang after-sales service asset digitalization

In the era of information technology, as the leader of the intelligent era of ventilation and cooling in high and large spaces, DawangFan independently developed "Industrial fan remote after-sales system" realizes asset data and at the same time realizes centralized management of all equipment and APP remoteControl, and upload the fan operation data in real time, generate a form through the data system of Dawang, realize online fault, early warning, remote diagnosis and proactive after-sales.



## Security commitment

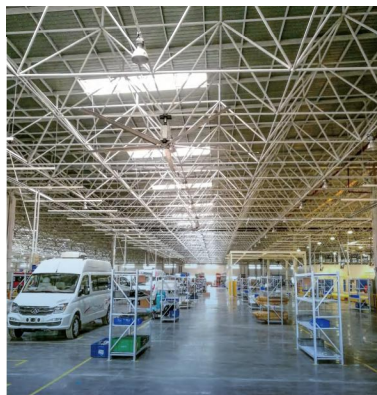
**In order to protect our customers,  
Dawangfan guarantee :**

- 1.The unique blade design ensures the fan will not apart or falling when emergency.
- 2.Patented connection ensures the fan will not falling under any circumstances unless the building collapses.
- 3.Any non-standard operation will not cause the fan falling.



# Project

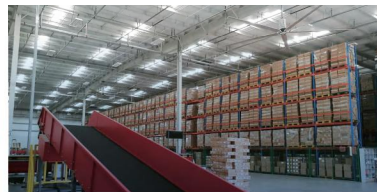
## PROJECT CASE



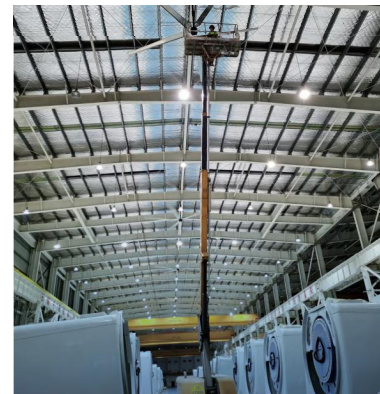
SAIC MAXUS



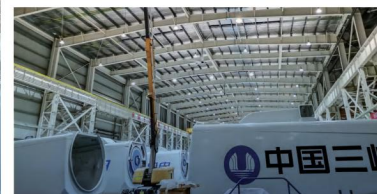
STO Express



Wuhan Metro



Yunda Wind Power

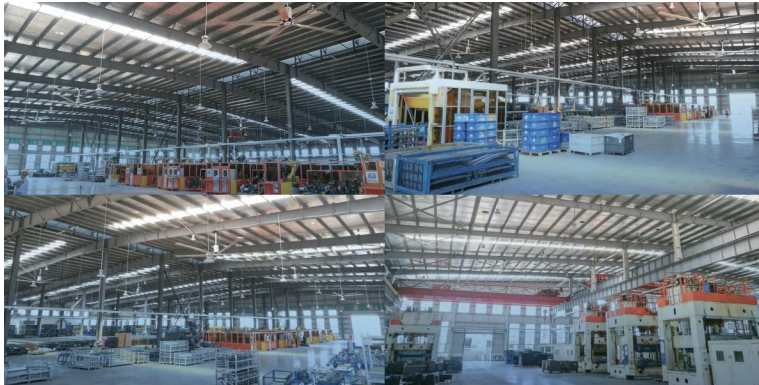


# Appliction

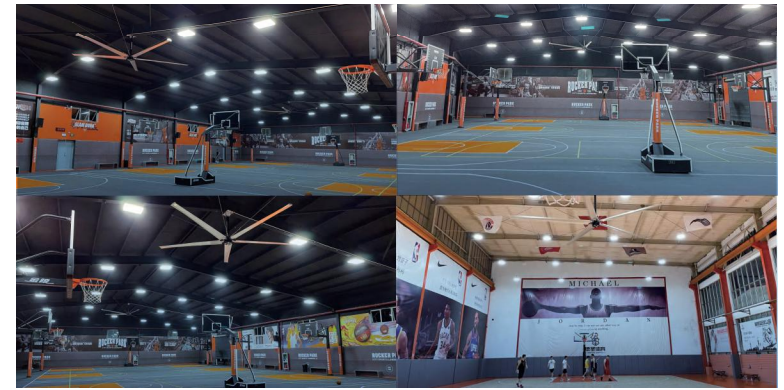
## PROJECT CASE



Livestock



Workshop



Public



Aerospace

# Partener

## COOPERATIVE BRAND



**Thanks for choosing   DawangFan**

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**a professional &   high standard  
HVLS fan   manufacturer**