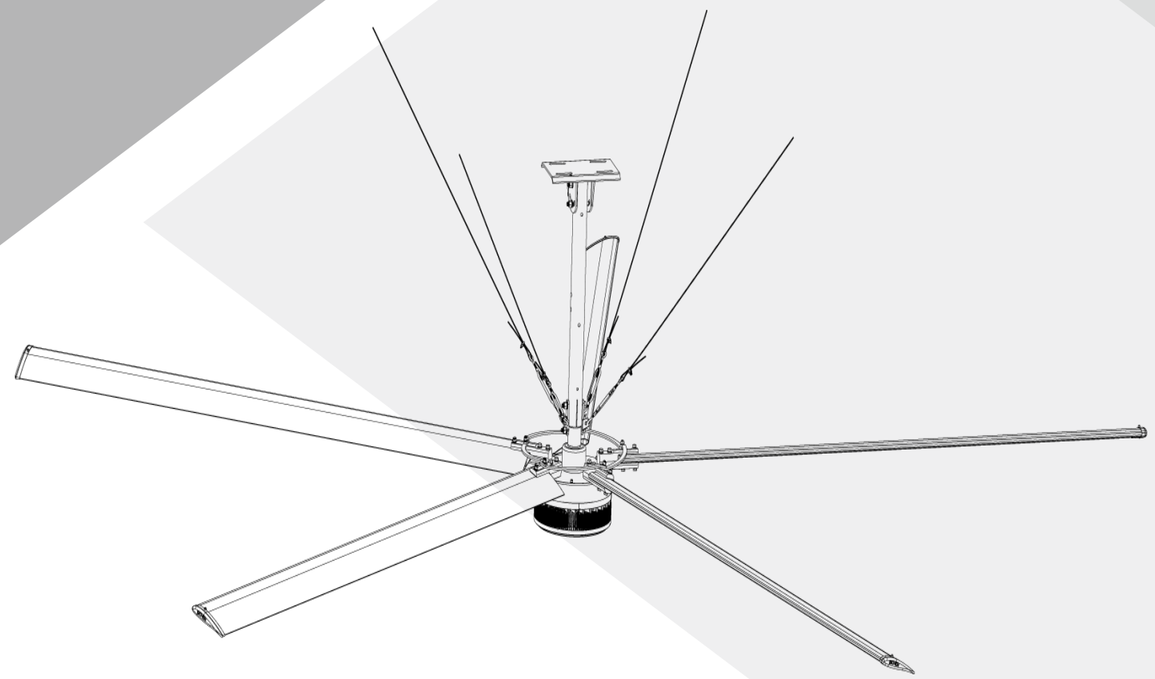
LARGE PERMANENT MAGNET CEILING FAN



PREFACE

Thank you for choosing a permanent magnet super large fan. Fans have a very high cost performance. The fan is used in various commercial places and public places to effectively realize large area ventilation and air circulation. The product has passed all kinds of strict quality inspection and performance tests. Ensure the practicability and safety of products.

DIRECTORY

IMPORTANT SAFETY INSTRUCTIONS

To reduce fire and personal injury, please read and save this instruction.

Safety precautions:

1. Installation and wiring must be performed by qualified personnel in accordance with all applicable specifications and standards.

2. Do not damage electrical wiring and other concealed electrical and water lines when cutting and perforating the ceiling.

3. Please use the device parts specified by our company for installation.

4. Fans installed in (ground fault current leakage guard) to guard the shunt circuit can be used in wet environment.

5. Before energizing, please confirm whether the fan input voltage is consistent with the power supply voltage.

6. Do not change the fan structure and installation position without permission.

7. It is strictly prohibited to modify the structure or parameters of the controller. Otherwise, the equipment may be damaged due to improper setting, or bring the risk of fire, electric shock or personal injury.

8. Be vigilant and use common sense when installing fans. Fatigue or medication. Do not install fan while the alcohol is still in.

9. Certain tools are required to install this fan. Follow the safety procedures in the user's manual for each tool. Do not use the tool for any other purpose not authorized by the manufacturer.

⚠ WARNING

Do not operate when the fan safety space is insufficient.

Do not carry out maintenance work when the fan current is connected to prevent electric shock.

It is forbidden to open the electric control cabinet under the power condition, otherwise there is the risk of electric shock.

Do not bend the blades when adjusting or repairing the fan. Do not insert foreign bodies between the rotating fan blades.

Electrical appliances are not suitable for people (including children) with physical senses, mental disorders or lack of relevant experience and knowledge.

Please leave this installation guide for the fan user after completion of installation.

Introduction to the

The large energy-saving fan is an efficient, economical and aesthetically pleasing ventilation solution that not only provides year-round comfort, but also saves energy. More importantly, the products from the motor to the tail fin are determined by the whole aspect of research, testing and design innovation. The product can let you enjoy the comfort in the next few years, make the space more pleasant.

About the fan

Permanent magnet energy-saving fan, can provide high torque at very low speed, better dynamic, high efficiency, long life, low noise and other fine characteristics, avoid the use of noisy gearbox, the industry leading level of technology, the maximum diameter of 7.3m. To achieve a full range of indoor air circulation, bring a good comfortable environment.

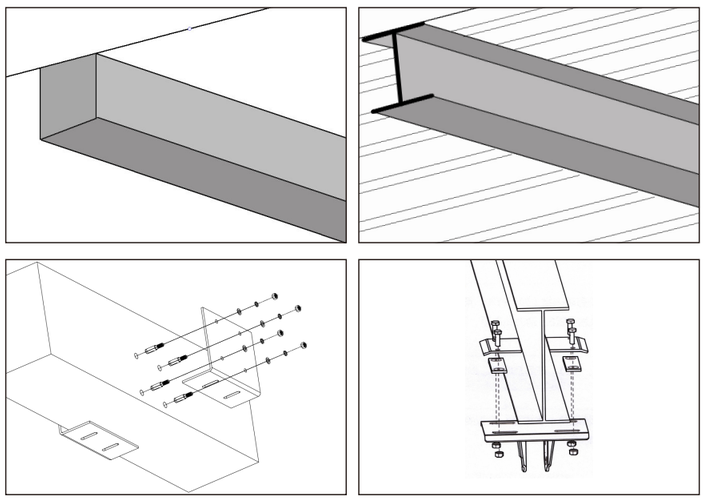
Fan parameters

model	Leaf number	The diameter of	The weight of the	Air volum	power	speed	voltage	frequency
BC-D5-JF YC73	5	7.3m	134kg	14850(m3 /min)	1.5kw	55(rpm)	220V	50HZ
BC-D5-JF YC61	5	6.1m	128kg	12700(m3 /min)	1.5kw	60(rpm)	220V	50HZ
BC-D5-JF YC55	5	5.5m	120kg	11000(m3 /min)	1.5kw	68(rpm)	220V	50HZ

The installation structure

The following is a reference guide for fan installation methods. Please read the page for complete instructions on fan installation and operation. Please decide the suitable installation parts according to the structure of your installation site. If in doubt, please consult the relevant personnel of our company.

Concrete beam **Joist steel**



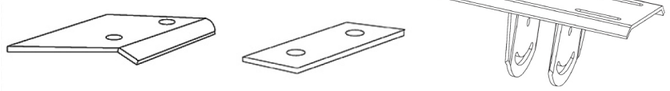
Contains parts In the attachment

⚠ Note: if you order more than one fan, be sure to keep the parts together!

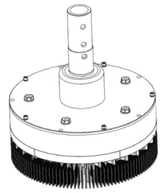
Each fan is equipped with 2 cartons. The higher carton is equipped with pressing plate, backing plate, hanging plate (cement structure is equipped with I-shaped splint and hanging plate), main engine, electric control box, hood, hood fixing head, protection ring, wind blade tail fin (also equipped with screws, a bag of flange tie head, a bundle of wire rope). The longer carton is equipped with wind blades and boom.

Please be sure to contact us if you are missing any part needed for installation.

I-stell structure

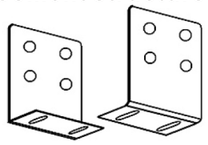


Clamp Clamp I-shaped splint

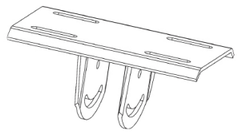


The host

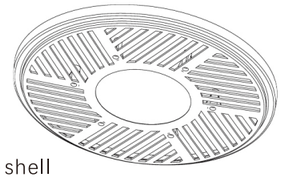
Cement structure



I-shaped splint

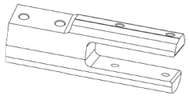


Hanging plate

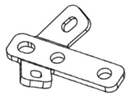


The shell

Derrick

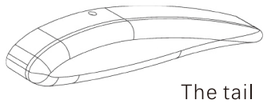


Article aluminum clip

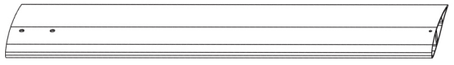


Protection ring

Protection strip



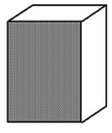
The tail



The blades

Rubber pad

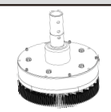
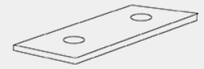
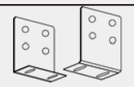
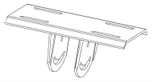
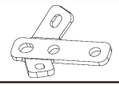
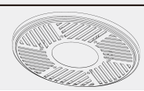
Steel wir rope



Control box

Note:a bag of screws, a bag of fange and a bag of tie head are also attached.

Spare parts list

	The name of the		The number of	The picture
Wooden case 1	The host		1	
	Control box		1	
	I-steel structure	plate	2	
		clamp	2	
	Cement structure	I-shaped splint	2	
	Hanging plate		1	
	Protection ring		2	
	Arc plate		5	
	Article aluminum clip		5	
	The tail		5	
	The shell		1	
	bolt		1	
	Steel wire rope		1	
	The instructions		1	
	Rubber pad		5	
Wooden case 2	The blades		5	
	derrick		1	

Fan diagram

Please refer to the icon for the fan assembly. Note: depending on the method of installation, fan Settings may differ from those shown below. The figure below does not include wires, electrical control boxes, and wire ropes.

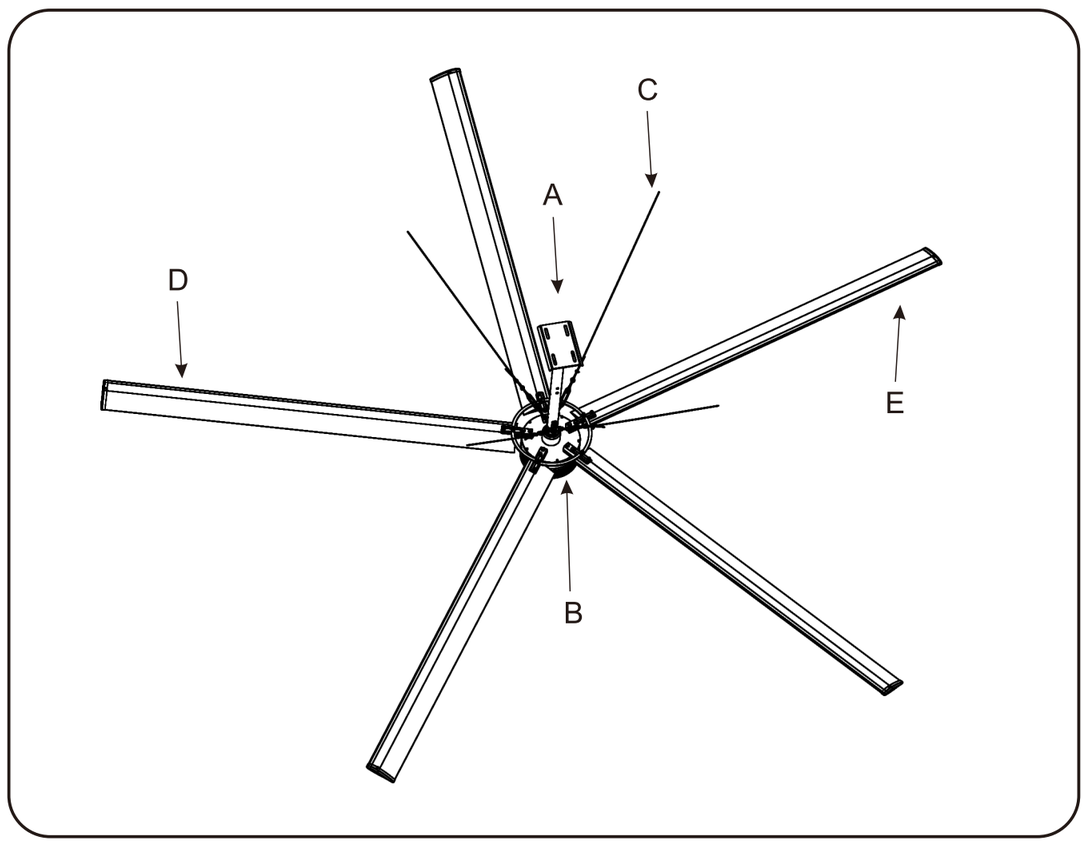
A Hanging board: install the hanging board to the top.

B Host: connect the host to the derrick and install it on the hanging board

C Wire rope: the fan four sides are fixed with wire rope.

D Blades: install the blades on the main engine.Install upper arc plate。

E The tail fin is mounted on the wind blade.



INSTALLATION STRUCTURE i-steel

⚠ **Warning:** Fans can weigh up to 300 pounds. Before installing the fan, please ensure that the installation structure of the fan has a firm structure, is not damaged, and can support the weight of the fan and the installation method. The structural engineer shall confirm that the structure is suitable for installation before installing the fan. The customer or user is solely responsible for verifying that the installation structure is sound and hereby expressly disclaims any liability arising out of structural instability or installation methods not specified in these installation instructions.

1. Determine the proper installation position and make sure the steel beam is firm before installation.

2. (as shown in the picture) install the pressing plate, backing plate and hanging plate on the steel beam.

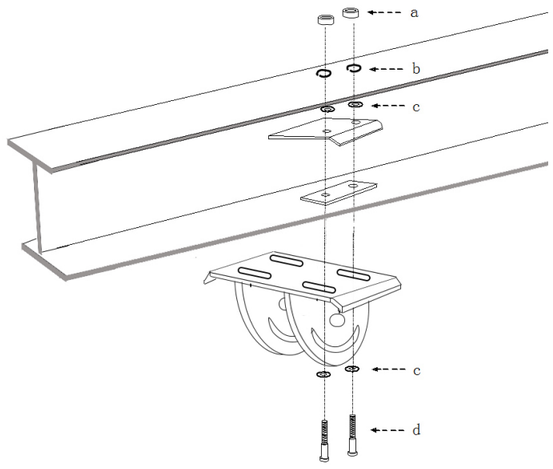
Fixed bolt (provided by seller)

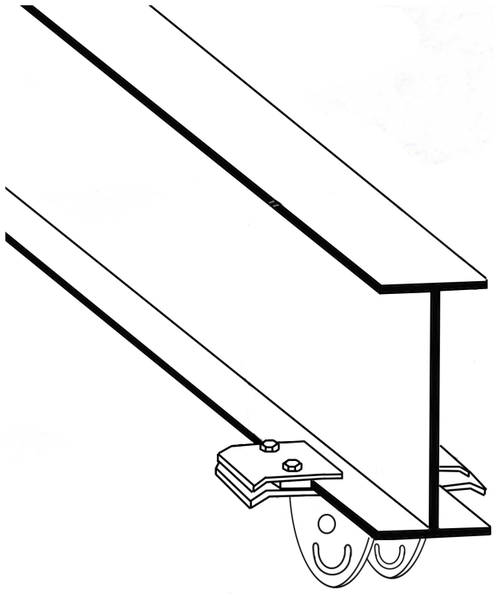
a.M16 nuts

b.M16 Bolt spring pad

c.M16 flat mat

d.M16×60bolt





INSTALLATION STRUCTURE Cement beam

Warning: Fans can weigh up to 300 pounds. Before installing the fan, please ensure that the installation structure of the fan has a firm structure, is not damaged, and can support the weight of the fan and the installation method. The structural engineer shall confirm that the structure is suitable for installation before installing the fan. The customer or user is solely responsible for verifying that the installation structure is sound and hereby expressly disclaims any liability arising out of structural instability or installation methods not specified in these installation instructions.

1.(as shown in the figure) determine the installation position of the fan under the cement beam, take the installation plate and mark the drilling position on both sides of the cement beam, drill two holes of M12 respectively, and install the I-shaped splint.

Note: when drilling, make sure there is at least a 3 cm gap between the underside of the cement beam and the I-shaped splint base to allow room for bolts.

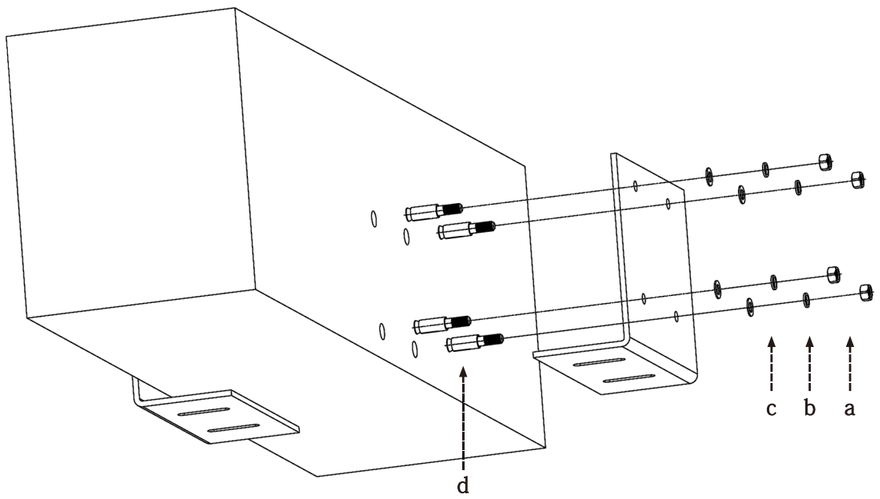
Fixed bolt (provided by seller)

a.M12 nuts

b.M12 Bolt spring pad

c.M12 flat mat

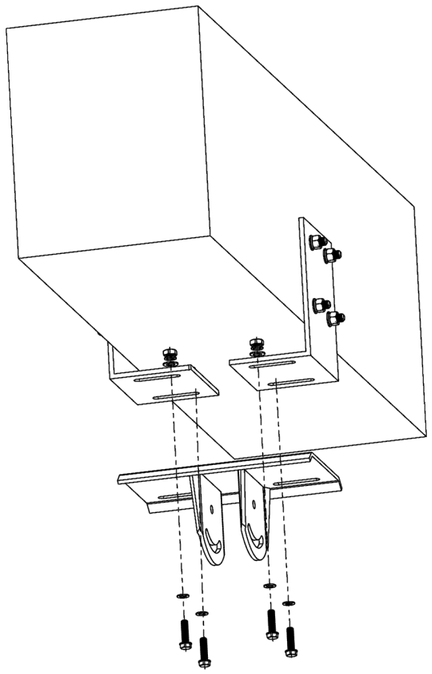
d.M12×100Expansion pip



INSTALLATION STRUCTURE Cement beam

2.Install the hanging plate, as shown in the figure, and install the hanging plate under the I-shaped splint.

Fixed bolt (provided by seller)

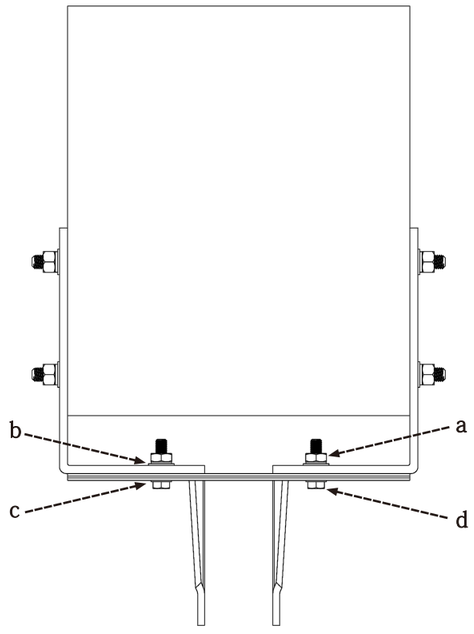


a.M16 nuts

b.M16 Bolt spring pad

c.M16 flat mat

d.M16×60bolt



Install the host

1.As shown in the figure below, connect the derrick to the main engine and install protection rings on both sides of the alignment hole.

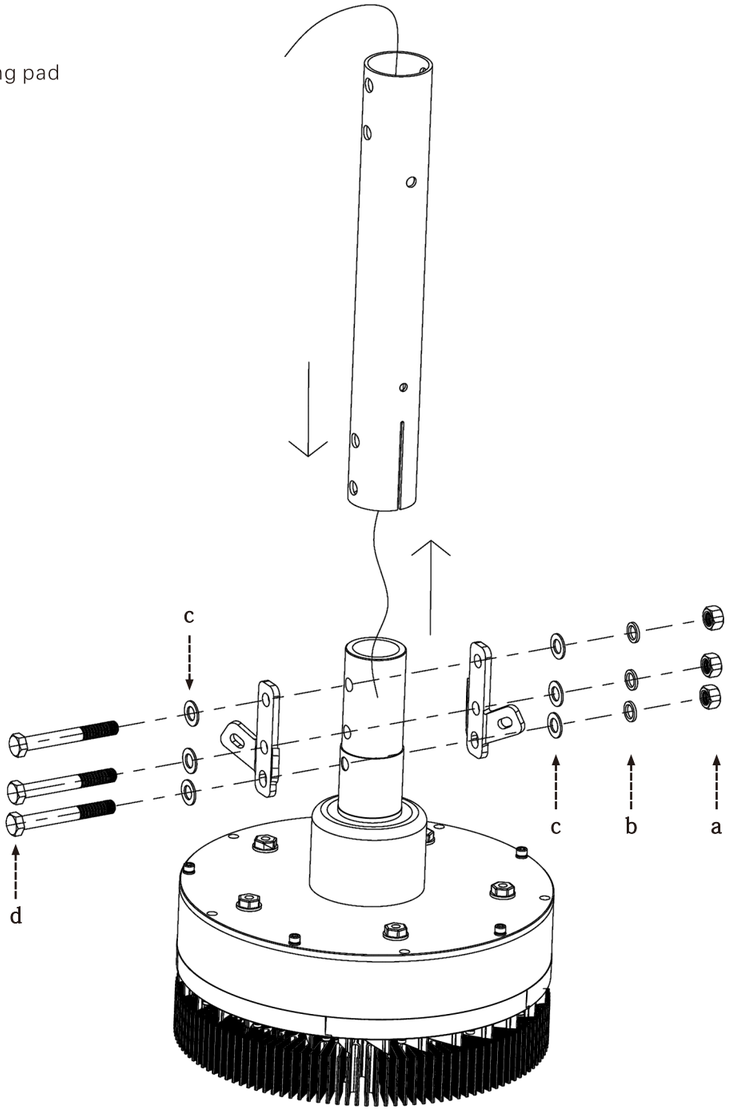
Fixed bolt (provided by seller)

a.M12 nuts

b.M12Bolt spring pad

c.M12flat mat

d.M12×90bolt



Install the host

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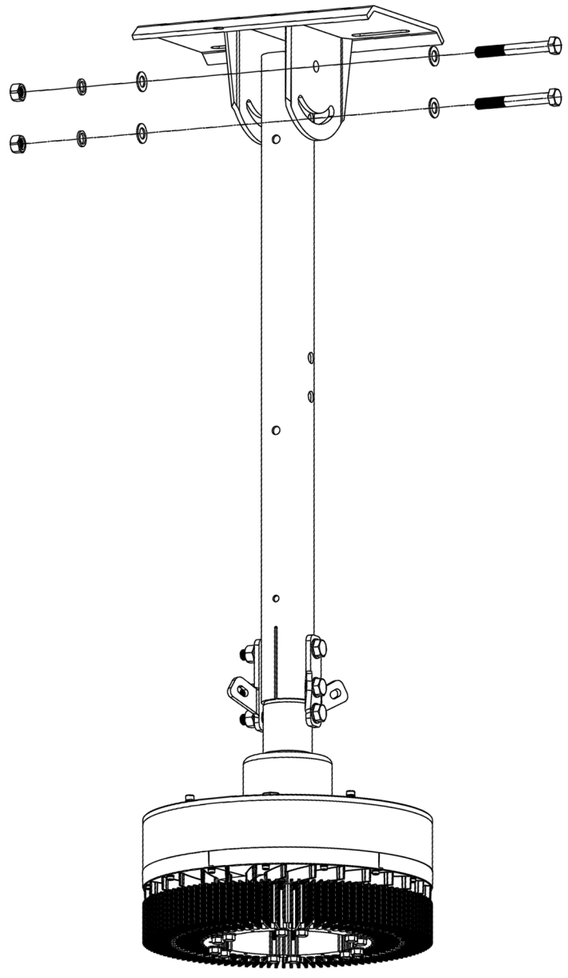
Fixed bolt (provided by seller)



a.M12 nuts

b.M12Bolt spring pad

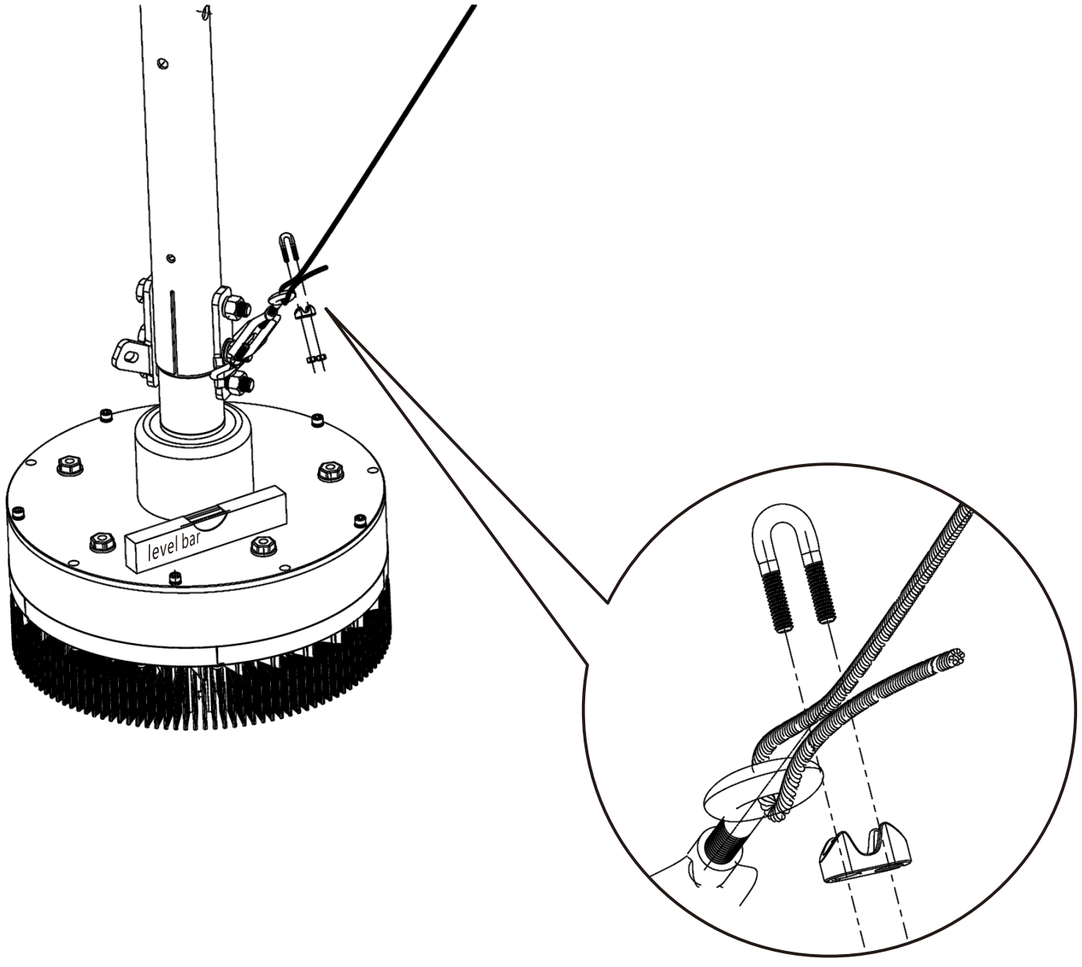
c.M12flat mat

d.M12×90bolt

Installation of wire rope

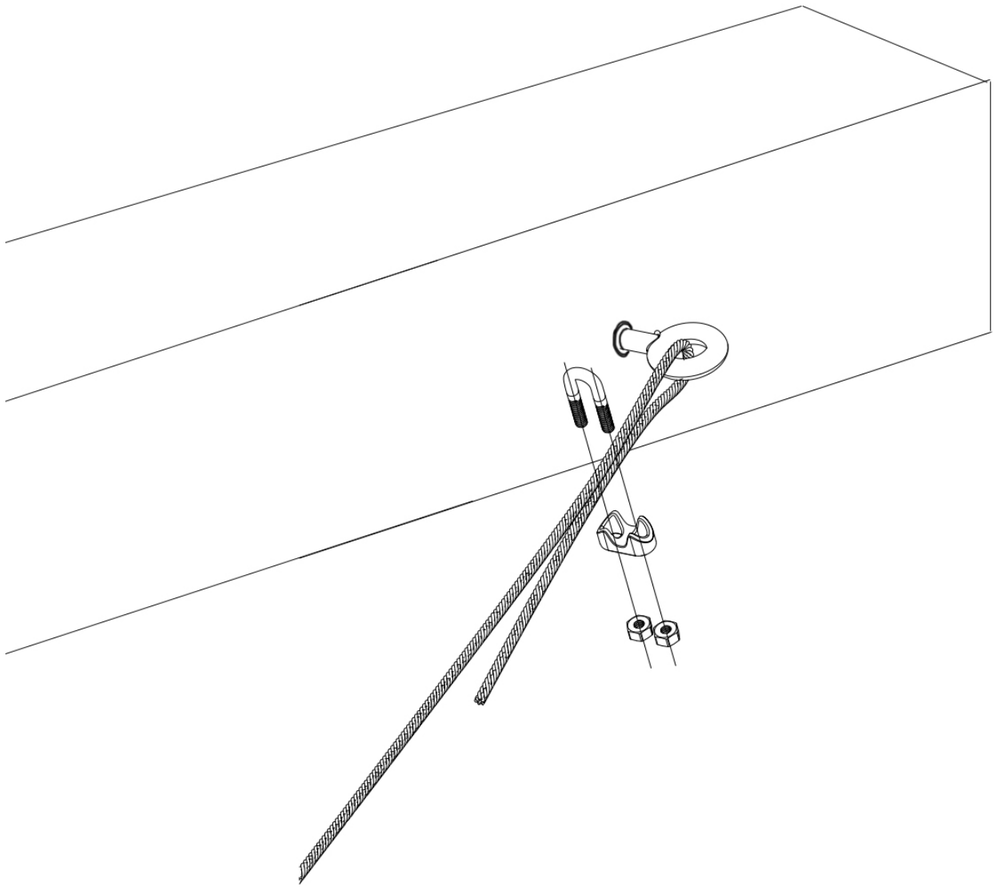
1.Install the steel wire rope, and determine four fixed points in the square of the main machine to pull the steel wire rope. The best is the 45° drawing Angle of the steel wire rope.

As shown in the figure, buckle the flower orchid into the protection ring, and then the wire rope goes through the tail of the flower orchid to tighten around the return clamp, and the wire rope is tightened with the clamp as it pulls towards the fixed point.



Installation of wire rope

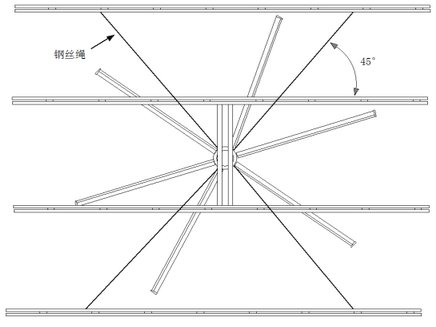
2.As shown, the wire rope is drawn towards the fixed point and tightened through the expansion pipe clamp.



3.Repeat the steps and install the remaining 3 wire ropes.

After all the wire ropes are installed, the fastening degree of the wire rope can be adjusted by rotating the flower orchid.

Use the level to test the body balance, the fan must be in balance.

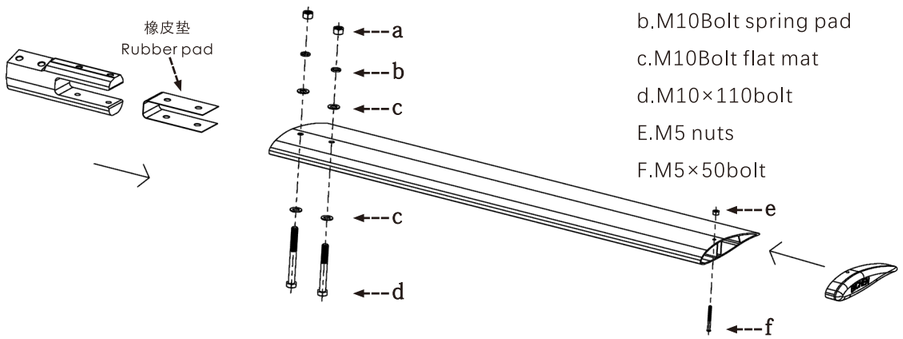


Install the blades

1.Install the blade tail and clamping strip

As shown in the figure, insert the tail into the end of the blade, insert the clip into the front of the blade, and fasten it with screws.

The tail fin and clip are installed on the wind blade， By analogy, install all the remaining blades.



Fixed bolt (provided by seller)

a.M10nuts

b.M10Bolt spring pad

c.M10Bolt flat mat

d.M10×110bolt

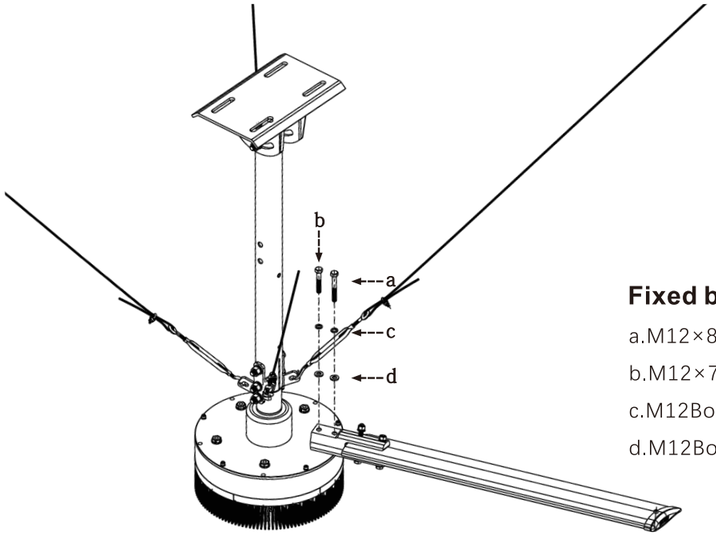
E.M5 nuts

F.M5×50bolt

1.Installation of blades

As shown in the figure, install the wind blade on the fuselage and fasten it with bolts.

And so on, install all the remaining blades.



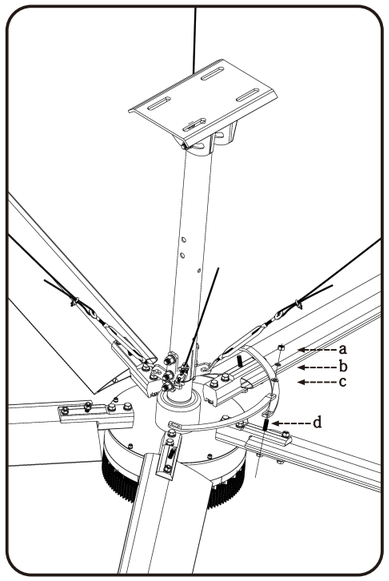
Fixed bolt (provided by seller)

a.M12×85bolt

b.M12×70bolt

c.M12Bolt spring pad

d.M12Bolt flat mat



Installation arc plate

As shown in the figure, install the arc plate, so that the wind blades are connected to form a whole.

Fixed bolt (provided by seller)

a.M10nuts

b.M10Bolt spring pad

c.M10Bolt flat mat

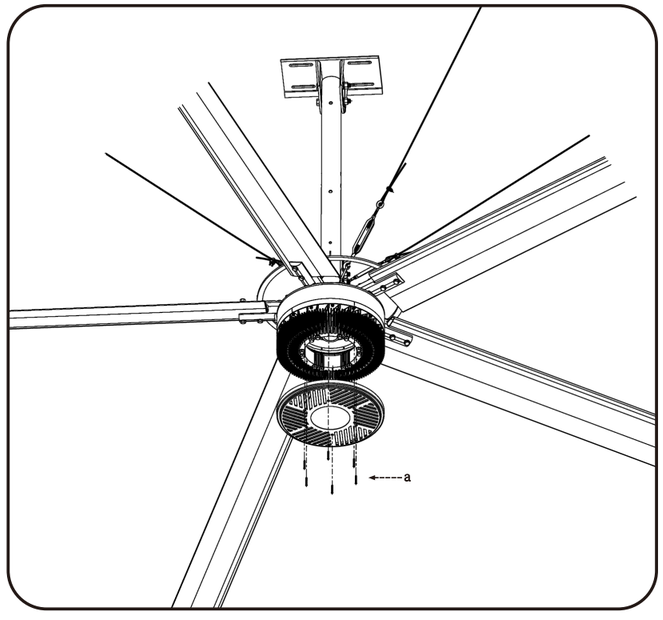
d.M10×110bolt

Install the blades

Install the housing to the fan host as shown.

Fixed bolt (provided by seller)

a.M5×40bolt

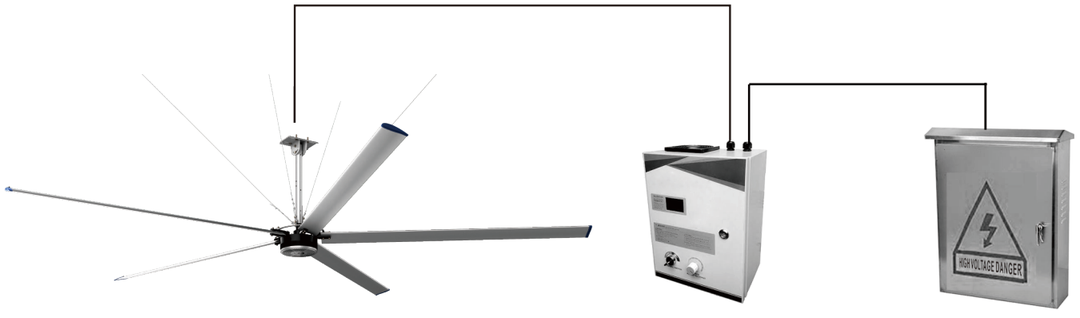


Connect the power supply

1.Install the fan control box on the wall and bolt it at 4 points.

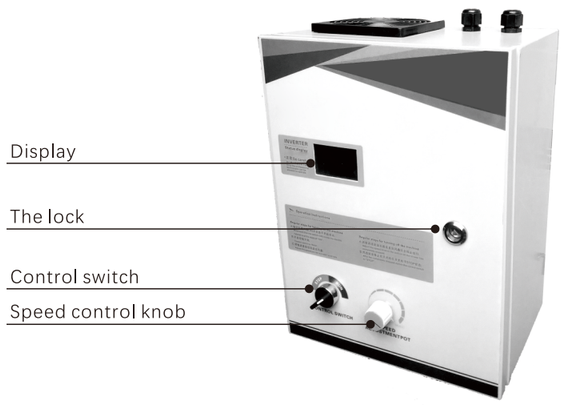
2.As shown in the figure, the fan control box is connected to the 220 V power supply, and then the output power supply is connected to the fan, the input and output are clearly distinguished, and the ground wire is well connected.

After installation, turn on the fan switch, adjust the speed control knob, and the fan starts to run. Ensure that the fan and wire rope do not shake during operation.



Fan operation instructions

1.Description:



2.Correct boot order

a. C45 switch in the box is in the open state;

b. Open the control switch;

c. Adjust the speed control knob to the appropriate air volume;

3.Correct shutdown sequence

a. Adjust the speed control knob to the lowest until the fan is completely stopped;

b. fter the fan stops, the control switch is in the STOP state.

⚠ **Note:** please do not directly close the C45 switch in the control box during the operation of the machine to avoid damage!

HIGH VOLTAGE DANGER

Product inspection

⚠ **Note:** do not ensure that the fan is stopped and the fan is switched off before any inspection of the fan or inverter. To ensure personnel safety.

Take a few minutes each year to check the fan before use to make sure the product runs safely and efficiently.

Annual inspection

The contents of annual maintenance before use are as follows:

1. Make sure that the solid parts above all parts are in good condition and are in the fastening state.

2. Ensure the fastening firmness of the wind blade and tail fin is not in loose state.

3. Check whether the steel wire rope is worn and loose.

General check

During normal operation of the fan, the visual inspection of the fan is as follows:

1. Make sure the fan is rotating correctly, and the fan running correctly should rotate clockwise (from the ground up).

2. Check the running condition of the fan, the fan should not sway and sway, if found to sway and sway, should immediately stop the fan, fan parts of the

Check for loose fasteners.

2. Whether the product is abnormal noise when the fan is running.

⚠ **Warning: do not use fans with missing or damaged parts!**

Equipment conditions

The environment	conditions
Occasion	indoor
He temperature	-15 ~+55° In order to improve the reliability of the product, please use the product when the temperature will not change dramatically
Humidity	<95%RH
The environment	* Non-corrosive gases, flammable gases * Metal powder, oil, water and other foreign matter will not enter the site of electric cabinet

Fault handling

⚠ **Warning:** if a safety component needs to be removed or disconnected while servicing or replacing the fan assembly, the safety device must be reinstalled or reinstalled.

General fault handling

The fault phenomenon	Possible solutions
Fan not working	• Whether the control switch is on. • Whether the electric cabinet is energized. If the fan is still not working, please contact customer service.
Fan oscillation	• Check whether the fan screw and wire rope are loose.

⚠ Pay attention to

Non-professionals are not allowed to open the electric cabinet. If you find the equipment damaged or abnormal sound, please stop the operation as soon as possible, cut off the power supply, contact our company personnel. Damage caused by improper use is not covered by the warranty. The company shall not be liable for any personal injury or equipment damage caused by failure to comply with the instructions.

Product warranty

Product warranty period: 1 year machine warranty.

- Failure due to incorrect installation by your company.
- Where a failure occurs due to your unauthorized modification of our products.
- Malfunction caused by natural disasters and fires.
- Where the warranty period is exceeded.
- Other occasions where faults are not the responsibility of the company.

This product is produced under strict quality control, each set of products has passed the strict testing process.

When used in situations where the failure of the product will cause major accidents or losses, please configure the relevant safety measures.

Industrial ceiling fan installation acceptance form

This acceptance form is the acceptance record, and the necessary confirmation shall be made after the completion of self-inspection at each stage.

The user unit			
Equipment	Large energy-saving ceiling fan	The number of	
Construction unit			

Serial number	Equipment acceptance	Acceptance record
1	Visually check whether the fan is operating normally	
2	Check the distance between ceiling fan blades off the ground and obstacles	
3	Ceiling fan operating environment is up to standard	
4	Check whether the electrical cabinet is working normally	
5	Check the bolts on the blades and main engine for fastening	
6	Check the fastening of suspension wire rope	
7	Check the orchid for fastening	
8	Check suspension plate bolts for fastening	
9	Check protection ring fastening	
11	Ceiling fan body is vertical and must not be tilted	
12	Check the housing for tightness	

User acceptance comments:

Signature of principal (user unit) : Time:	Signature of principal (construction unit) : Time: