Down to earth, technology - oriented
Focus on quality, brand name service

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JIANGSU GAXIAO
ENVIRONMENTAL TECHNOLOGY
In 2000, MacoAir-HVLS company allied with Ebm-papst, Ziehl-Abegg, Fasco and CMGRegal UNIK Group, Mulveng, Tenn and LauIndustries produced the first industrial fan in the world. This fan applied in local animal husbandry. In the next few years, the technical director left from MacoAir, and create BigAxi Fan, which is the large-scale industrial fan manufacturer.

In 2007, MacoAir-HVLS company technician built the first large-scale industrial fan with the domestic technical expert team, filled the blanks of domestic industry fan market.

After years of cultivation, the market capacity has expanded year by year, coupled with inadequate protection of intellectual property rights in China and relatively low thresholds for entry, resulting in a large number of competitors. Most of the competitors are in the family workshop style, and the Blue Sea instantly turns "Red Sea", similar to other industrial manufacturing fields, and the industry has entered a vicious cycle of homogenization and price war.

In 2012, the pioneering technical team of large-scale industrial fan, built up a family of technology - quality - service with top universities — JIANGSU GAXIAO ENVIRONMENTAL TECHNOLOGY CO., LTD.

We have tried to continue to invest in R & D technology, establish the standards of the fan industry, standardize the order of the industry, and turn vicious competition into the high technical quality. However, because it is difficult to reach a consensus with some competitors, the efforts to standardize the industry have failed.

In 2017, the pioneering technical team of large-scale industrial fan, built up a family of technology - quality - service with top universities — JIANGSU GAXIAO ENVIRONMENTAL TECHNOLOGY CO., LTD.

On the basis of the traditional fan, our products are refined, finely polished, and the "seventh generation of industry" products of higher safety and environmental protection are introduced, and the world's original drive system — the large industrial fan of air source and the new concept commercial fan which is in line with the utility of large public occasions. According to the use, the occasion, the scene, the large industrial fan is divided into three kinds of products — the classic "seventh generation" industrial fan, the new concept of commercial large fan, and the large industrial fan with safe and stable air source for a long time.

In 2018, we will continue to stand on the forefront, bring new and high-quality products to customers at home and abroad, and provide more high-quality services. In 2019, it will be a year of fat success for Jiangsu Gaixia, and will be a year for us to achieve a win-win situation with our customers and friends.
**Corporate Purpose**

Down to earth, Technology-oriented, Focus on quality, Brand name service.

**Corporate Mission**

Energy saving, low carbon and environmental protection make the world cool and refreshing.

**Enterprise Vision**

Integrate the resources of the industry and carry out the second technological revolution in the industry. With trinity of technology, quality and service to achieve ‘return of the king’, leading the industry rational, sustainable and high efficient development.

**What is the technological revolution?**

1. Learn from the original technology of the industry, improve, upgrade and expand the functionality, practicability and safety of products.
2. Constantly introducing new concept products and some technical ideas, waiting for the opportunity to launch new products, leading the development of the industry;
3. To provide customers with the highest cost-effective, optimal design, solutions, in the use of products in the concept of a breakthrough, such as now is the time to develop ‘fan machine’ combination.

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**BRAND MEANING**

One of the two duck webbing represents technical quality while the other represents brand service. Remind all the Gaxiao people to be down-to-earth to upgrade their product technology, product quality and brand service.

The duck’s head represents our entrepreneurial team. We are not proud, but we pay more attention to our technology, quality and service. We should pay more attention to our actions.

The duck’s mouth represents our sales team – Good wine is also afraid of deep alley and the drum needs a heavy hammer. We need a strong sales team to deliver our product services to all corners of the world.
At the same time, Gaiào commercial fan series products after continuously testing, have abandoned traditional spur gear transmission technology, and selected the spiral gear transmission technology with better meshing performance and greater coincidence degree. We strive to bring the best quality products to consumers and bring the most comfortable experience to users. In the field of practical, security, energy conservation and environmental protection to achieve the world's leading level, in fact have become a terminator of complex space environment ventilation cooling problem.

Industrial fan
Second technological revolution

Hangzhou Gaiào Technical team researched and developed domestic first industrial fan from the 2008 to the market, so far has gone through 11 years, we have always adhered to the "down to earth, technology-oriented, focus on quality, brand name service" concept, won the full trust and love of domestic and foreign customers. And in 2018, combined with the global concept of "energy saving, low carbon and environmental protection" at first, we achieved the second technological revolution in the field of ventilation and cooling of industrial fans. With the rapid development of science and technology, high and new technology is constantly emerging, energy saving and environmental awareness are increasing. In the field of power system, China attaches great importance to the research and development of NdFeB permanent magnet motor, and has been included in the national '163' plan. Jingsu Gaiào allied with Tsinghua University Polytechnic Institute and Zhejiang University Polytechnic Institute, the PMBSM permanent magnet synchronous motor technology is first applied to the HVLS large industrial fan field under the guidance of the national strategic policy. The first permanent magnet synchronous motor technology in the world is developed and manufactured, and the "bathe, cool" series is born in the times. In the process of the second technological revolution of industrial fans, they added the crucial diaphragm.
Products introduction

- Industrial fan driven by permanent magnet synchronous motor
- Commercial fan
- Pneumatic safety large scale industrial fan
  A new concept of product does not need power supply, long-term security and stability, the real explosion.
  - Traditional ‘The seventh generation’ industrial large fan
  - Mobile fan
    The pioneers of domestic mobile fans, will continue to present new appearance and technology to customers.
  - Future green environmental protection fan
    When daytime using solar photovoltaic panels, at night, it is driven by peak-valley compressed air driven by peak-valley electricity price.
BATTLEAXE SERIES

BRIEF INTRODUCTION

Jiangsu Gasiao Environmental Technology Co., Ltd has newly introduced driving motor of the permanent magnet industrial fan, which is developed by Jiangsu Gasiao, Tsinghua University and Zhejiang University. This product is a new type of fan based on PMSM, permanent magnetic synchronous motor technology.

NEWLY FAN LARGEST ADVANTAGES

The traditional industrial fan is driven by an AC asynchronous motor to drive the reducer, thus achieving the rotation of industrial large fans. But through the reducer drive will bring the maintenance of the reducer and need to replace the engine oil regularly, gear and bearings in the reducer need to be regularly checked and maintained, once the problem is found, it will lead to replacing spare parts, wasting time, efforts and human resources, and high cost.

As the direct drive of permanent magnet synchronous motor fan, saves the reducer link, has no gear and high-speed running bearings, so no need to replace the oil, the reduction of the gear and bearing replacement maintenance and so on. It has really done the maintenance free and greatly improved the service life of the industrial large fan. It brings a more reliable experience for the user.

Because permanent magnetic fan used the rare earth metal as the outer rotor, as long as the temperature of the motor is controlled effectively (just use the traditional type environmental temperature), the life of the motor can be infinitely long, and it can save a large amount of the second time to purchase the industrial large fan.

Note: The brief of other part in the fan could refer to traditional fan

Asset from the side part uses full encircling structure, the upper part and the lower part of the motor are all hollow structures. The forging aluminum alloy chassis on the upper part of the fan is effectively combined with the upper cover of the motor. The lower part uses the streamline guide cover designed by the principle of fluid mechanics, which effectively encircling the internal structure of the motor coil winding and so on, which can only release the heat generated by the motor to the outside maximally. Moreover, it can effectively protect the currents from entering into the inner part of the motor to generate breakdown.

“Battleaxe” I permanent magnetic fan model Technical Parameter

<table>
<thead>
<tr>
<th>Model</th>
<th>Fan diameter</th>
<th>Fan power</th>
<th>Rotating speed (rpm)</th>
<th>Full load current (A)</th>
<th>Wind quantity (m³/min)</th>
<th>Weight (kg)</th>
<th>Max scope of action (m²)</th>
<th>Noise (dB(A))</th>
</tr>
</thead>
<tbody>
<tr>
<td>BGX-ZF I-7E</td>
<td>7.3(24”)</td>
<td>1.5</td>
<td>0-50</td>
<td>3</td>
<td>12500</td>
<td>125</td>
<td>1600</td>
<td>36</td>
</tr>
<tr>
<td>BGX-ZF I-6E</td>
<td>6.4(21”)</td>
<td>1.5</td>
<td>0-53</td>
<td>2.85</td>
<td>11500</td>
<td>117</td>
<td>1250</td>
<td>36</td>
</tr>
<tr>
<td>BGX-ZF I-5E</td>
<td>5.5(18”)</td>
<td>1.2</td>
<td>0-63</td>
<td>2.5</td>
<td>8800</td>
<td>100</td>
<td>960</td>
<td>36</td>
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<tr>
<td>BGX-ZF I-4E</td>
<td>4.6(15”)</td>
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<td>0-63</td>
<td>2.35</td>
<td>7800</td>
<td>92</td>
<td>800</td>
<td>36</td>
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<tr>
<td>BGX-ZF I-3E</td>
<td>3.7(12”)</td>
<td>1.2</td>
<td>0-70</td>
<td>2.1</td>
<td>5000</td>
<td>84</td>
<td>600</td>
<td>36</td>
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</tbody>
</table>

“Battleaxe” II permanent magnetic fan mode Technical Parameter

<table>
<thead>
<tr>
<th>Model</th>
<th>Fan diameter</th>
<th>Fan power</th>
<th>Rotating speed (rpm)</th>
<th>Full load current (A)</th>
<th>Wind quantity (m³/min)</th>
<th>Weight (kg)</th>
<th>Max scope of action (m²)</th>
<th>Noise (dB(A))</th>
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<tr>
<td>BGX-ZF II-7E</td>
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<td>0-54</td>
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<tr>
<td>BGX-ZF II-6E</td>
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<td>1.5</td>
<td>0-54</td>
<td>2.85</td>
<td>13000</td>
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<td>1450</td>
<td>36</td>
</tr>
<tr>
<td>BGX-ZF II-5E</td>
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<td>0-65</td>
<td>2.5</td>
<td>10500</td>
<td>96</td>
<td>1100</td>
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<tr>
<td>BGX-ZF II-4E</td>
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<td>0-65</td>
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<td>88</td>
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<tr>
<td>BGX-ZF II-3E</td>
<td>3.7(12”)</td>
<td>1.2</td>
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<td>2.1</td>
<td>6800</td>
<td>80</td>
<td>630</td>
<td>36</td>
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</tbody>
</table>
COMMERCIAL FAN

DRIVING DEVICE
This product is based on BLDC brushless DC motor technology, developed by Jiangsu Gavia and Tsinghua University, Zhejiang University Electrical Engineering Professor (developed by Jiangsu Gavia);

HIGH EFFICIENCY FAN BLADE
6-propeller shape, corrected after testing, American Airlines (non-imported) high-performance aluminum alloy material: AA6063T6511 (6063-T5); surface anodized PVDF coating (electrostatic spray) treatment;

HUB
American Airlines (AA7075) super-hard aluminum alloy, built by the Japanese company who dedicated to aluminum alloy production for 60 years, high-pressure precision forging type (σ: reaches 600Mpa), CNC precision machining after dynamic balance test check; ten times force design, 40 years reliability life;

THE FREQUENCY OF LEAN CONTROL SYSTEM
The control system is independently developed by Jiangsu Gavia. The main electronic components are imported from Japan, Germany, the United States and other imported brands. The built-in RF interference filter and brake chopper have the function of suppressing radio interference and braking. Over-temperature and short-circuit protection, etc.; can achieve stepless speed regulation;

COMMERCIAL FAN
6mm hot-dip galvanized steel wire cable to prevent the risk of external force sloshing

HARDWARE FASTENERS
Germany (DIN933 bolt), class 12.9 (class 8.8); (DIN125A) anti-loose self-locking nut; suspension fasteners use slotted locating pin nut; drive unit uses Loctite "Lotol" thread to solidify Sexual locking;

FIXING DEVICE
The anti-slip groove design and the split pin locknut completely prevent the steel beam clip device from accidentally sliding off, without punching and welding.

Wing Dynamic I fan parameter table

<table>
<thead>
<tr>
<th>Model</th>
<th>Fan diameter</th>
<th>Fan power</th>
<th>Rotate speed (rpm)</th>
<th>Wind quantity (m³/min)</th>
<th>Weight (kg)</th>
<th>Max scope of action (m²)</th>
<th>Noise (dB(A))</th>
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<tbody>
<tr>
<td>BGX-CM I-4E</td>
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<tr>
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<td>0–65</td>
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<td>0–65</td>
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<td>38</td>
<td>480</td>
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</table>

Wing Dynamic II fan parameter table

<table>
<thead>
<tr>
<th>Model</th>
<th>Fan diameter</th>
<th>Fan power</th>
<th>Rotate speed (rpm)</th>
<th>Wind quantity (m³/min)</th>
<th>Weight (kg)</th>
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<th>Noise (dB(A))</th>
</tr>
</thead>
<tbody>
<tr>
<td>BGX-CM II-4E</td>
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<td>0.36</td>
<td>0–70</td>
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<td>46</td>
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<td>40</td>
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<tr>
<td>BGX-CM II-3E</td>
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<td>0.36</td>
<td>0–75</td>
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<td>42</td>
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<td>40</td>
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<tr>
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<td>0–90</td>
<td>4500</td>
<td>36</td>
<td>520</td>
<td>40</td>
</tr>
</tbody>
</table>

PNEUMATIC SAFETY LARGE INDUSTRIAL FAN
It is used in tall space, industrial building, need explosion proof, high safety, long-term stable use, no power supply, high quality and high price which is a new concept large fan.

Practical scope
Commercial place, such as industrial workshop, warehouse and so on, also could use for waiting room, exhibition hall, gymnasium, church and so on.
HANGSU GAXIAO

Products introduction

- Industrial fan driven by permanent magnet synchronous motor
- Commercial fan
- Pneumatic safety large scale industrial fan
  A new concept of product does not need power supply, long-term security and stability, the real explosion.
  - Traditional ‘The seventh generation’ industrial large fan
- Mobile fan
  The pioneers of domestic mobile fans, will continue to present new appearance and technology to customers.
- Future green environmental protection fan
  When daytime using solar photovoltaic panels, at night, it is driven by peak-valley compressed air driven by peak-valley electricity price.
TRADITIONAL "SEVENTH GENERATION" INDUSTRIAL LARGE FAN

HUB


Fan hub is built by Japanese senior corporation, which focuses on precision forging of aluminum alloy for 60 years. The product quality is absolutely guaranteed. Ensure the product’s tolerance and dynamic balance are as accurate and reliable as the hub of a car. Hub and motor cover put together.

Using the first domestic device which combine with anti-falling disk and hub upper cover, that is to ensure that we are the only factory who combines with upper and lower part of disk to fix fan wing. (at present, the other manufacturers want to reduce the cost, all use the single chassis), at the same time reduce the weight of the whole fan, improve the efficiency of the motor to reach perfect combination.

The anti falling disk adopts the lower part closely connect with hub, this improves the current anti falling connecting rack on the market, and certain risk of running accident.

MOTOR REDUCER

- Germany imported NORDL, increase the seat number of coaxial helical gear reducer (output shaft diameter 40mm)
  - Reducing the risk of radial force, one of the security guarantees
- Shell brand top Omega S4 super long life synthetic gear lubricant, maintenance free in 20 thousand hours.
  - Improving oil quality, one of the security guarantees.
- Germany’s top original imported Simrit output shaft double oil seal design
  - Reducing the possibility of oil seal leakage, long-term quality assurance;
- Automatic exhaust valve of box
  - Reducing the risk of oil emulsification, one of the security guarantees.
- Imported SKF—VL, reinforced roller bearing
  - Reducing the radial offset, long-life warranty;
- The new generation of IE1 energy efficient motors with the latest national standards
  - More energy saving

CONTROL SYSTEM

It used Denmark ‘Danfoss’ transducer, the built-in RF interference filter and the brake chopper have the function of restraining radio interference and braking.

It has the functions of earth fault, over and short circuit protection, and so on.

IP55 protection grade and NEMA1 standard control box;

The box is equipped with Schneider three gear switch and infinitely variable speed knob.
The size of the fan blade amplified 20% of all the current fan sizes, which will increase the air volume. It also proves that the weight of the whole machine is reduced and the efficiency of the motor is improved.

The fan blade adopts Chinese first creation—the internal steel cable, the strengthened reinforcement combination, the fan blade and the fixed point line and surface safety method. (at present, two bolts are used in the fixed way in China, and it is easier to aggravate the damage of the fan blade fatigue point).

### Classic I technical parameters

<table>
<thead>
<tr>
<th>Model</th>
<th>Fan diameter (m/ft)</th>
<th>Motor power (kw/hp)</th>
<th>Rotates speed (rpm)</th>
<th>Full load current (A) 380v</th>
<th>Air volume (CHM) m³/min</th>
<th>Weight (kg)</th>
<th>Nmax of radon (m²) Sqm</th>
<th>Noise (dBA)</th>
</tr>
</thead>
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<tr>
<td>BGX-TD I-7E</td>
<td>7.3(24”)</td>
<td>1.5/2.0</td>
<td>0-50</td>
<td>2.95</td>
<td>12500</td>
<td>118</td>
<td>1850</td>
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<td>BGX-TD I-6E</td>
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<td>0-50</td>
<td>2.72</td>
<td>11500</td>
<td>106</td>
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<td>43</td>
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<td>1.5/2.0</td>
<td>0-70</td>
<td>2.72</td>
<td>5500</td>
<td>88</td>
<td>600</td>
<td>43</td>
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</table>

### Classic II technical parameters

<table>
<thead>
<tr>
<th>Model</th>
<th>Fan diameter (m/ft)</th>
<th>Motor power (kw/hp)</th>
<th>Rotates speed (rpm)</th>
<th>Full load current (A) 380v</th>
<th>Air volume (CHM) m³/min</th>
<th>Weight (kg)</th>
<th>Nmax of radon (m²) Sqm</th>
<th>Noise (dBA)</th>
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<td>630</td>
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</table>

### OTHER SAFETY ACCESSORIES

- **Frame**
  - High strength structure Z type 5mm steel plate, laser cutting, double-sided welding, surface PVDF fluorocarbon baking paint treatment, more reliable and durable.
  - The exclusive anti-slip slot design and the opening pin nut prevent the steel bar clamping device from slipping and falling off without any punching and welding.

- **400G alloy cast steel universal joint**
  - Can reduce torque transmission to buildings, like human joints.

- **Wire traction cable**
  - Prevents the fan from being affected by external forces.

- **Fan hub unit**
  - Provided with anti-drop structure.

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The tail space building, workshop match industrial product, improve the environment, and improve the comfort of work, save energy and reduce consumption. It is better use 7.3 meters, 6 meters large industrial fans, standard 53 RPM.
**A. What kind of building is suitable for installing large industrial fans?**

As long as the height of the plant is above 5.5 meters, no matter the structure of the plant is steel structure, concrete structure, spherical grid structure, or complex structure, there are no special requirements for installation places, such as factory, warehouse, commercial center, train station, car station, exhibition hall, and animal farm. There is no driving inside the workshop can all install, both 220V and 380V can be installed.

**B. Basic requirements for installation**

1. The minimum safe and effective installation space of the fan is more than 1.2 meters.
2. Choose a safe carrying beam to install it, otherwise our company can install it according to the site transformation.
3. The special installation site can be installed according to the site transformation.

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**Gaxiao large fan part details, pay more attention to product material**

**Domestic first company who combines fan blades, anti-sling cables, and the whole fan to protect the steel cables, three to one.**

1. **Security measures**
   1. Fan leaf L-shape safety ring: Reconnect all fan blades two-two together into a whole structure.
   2. Safety ring: When accident happens, it plays a protective role and prevents any part from slipping.
   3. Fasteners: All fasteners are as high as 8.8 grade high strength industrial bolts, and the actual stress is more than 10 times
   4. Wire traction: The stress intensity of each wire rope can reach 1000KG, and multiple protection points are installed at each connection point.
   5. The frequency conversion control system is automatically stopped by accident.

2. **Safety device**
   1. Fan and building structure are connected through universal joints to reduce vibration and displacement to the building structure.
   2. The fan hub set up anti-falling structure.
   3. Install bracket and steel beam and install steel wire safety rope to prevent accidental fall off.
   4. Each fan blade is equipped with L-type safety link button to prevent individual leaves fall off.
   5. The design of the die sleeve prevents accidental slip of the rotating chasssis.
   6. All fasteners are all installing anti-loosening self-locking nuts and tooth shaped anti-falling pads.
   7. Steel wire traction cables prevent fans from shaking due to external forces.
   8. The whole fan passes the European CE safety authentication and examination, the enterprise passes CCC, ISO9001, SGS authentication.
   9. All products are covered by Pacific product liability insurance and public liability insurance. All employees are liable for liability insurance.

3. **Installers necessity**
   1. All the workers in high place hold the high duty certificate.
   2. All the workers in high place are equipped with safety helmets, safety belts, special hoisting tools, and professional installation tools for installation.
   3. All employees are trained after third levels of training and customer safety training.
PERSONNEL COOLING

BGX series of large fans generate the natural breeze blowing on the human body, promoting the evaporation of sweat to take away heat, and cooling the human body, bringing cooling feelings. Usually, this kind of cool feeling can reach 5~8°C. BGX series of large fans blowing the three-dimensional natural wind is more comfortable because:

On the one hand, to the human body all-dimensional blowing to make the human body evaporation area to the maximum.

On the other hand, the reason is that human beings have accumulated a kind of experience of natural wind in the nature. Once the natural breeze with wind speed changes, the human body naturally feels extremely comfortable and cool.

How can cool the body to reach 5~8°C

The BGX series of large fans speed up the flow of air, thus quickening the evaporation of the sweat, and taking away the heat from the body during the evaporation of the sweat, so we will feel cool.

The impact of specific wind speed on human feelings is discussed. Corresponding to different temperature and speed, the difference curve of human feelings.

In the large and wide closed space, the ventilation scheme is greatly restricted. The roof negative pressure fan does not work at all corners and ground air, and this is precisely the position of personnel and equipment. With the BGX series of large fan schemes, the problem is solved. BGX series of large fans can effectively enhance the orderly movement of air flow in the space. It will promote the mixing of air in the whole space and cooperate with the roof fan to improve the effect of air quality. Get a healthy, comfortable and safe working environment.

DEHUMIDIFICATION

BGX series of large fans can solve this problem: the advantage lies in being direct and effective. It promotes the mixing of air and air in the whole space. It can make the smoke and tidal gas with difficult smell to be well dispersed and absorbed, so as to improve the indoor air quality and obtain a healthy, dry and safe working environment. It can also avoid the noise generated by other ventilation schemes and the decay caused by moisture.

Experimental data of using large scale fan to solve excessive local humidity.

<table>
<thead>
<tr>
<th>Humidity range</th>
<th>Normal condition</th>
<th>Open fan</th>
<th>Reduce relative humidity</th>
<th>Percentage of decrease in humidity</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>30%</td>
<td>27%</td>
<td>3%</td>
<td>10.00%</td>
</tr>
<tr>
<td></td>
<td>40%</td>
<td>35%</td>
<td>5%</td>
<td>12.50%</td>
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<td>50%</td>
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<td>14.00%</td>
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<tr>
<td></td>
<td>60%</td>
<td>50%</td>
<td>10%</td>
<td>16.67%</td>
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<tr>
<td></td>
<td>70%</td>
<td>58%</td>
<td>12%</td>
<td>17.14%</td>
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<tr>
<td></td>
<td>80%</td>
<td>65%</td>
<td>15%</td>
<td>18.75%</td>
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</tbody>
</table>
**PRODUCT TECHNOLOGY**

**PRODUCT FEATURES AND TECHNOLOGY**

◆ Compare with small fan project effect

Small-scale fan scheme

Many logistics storage space adopts the traditional small high speed fan scheme. Besides the health problems such as fan disease because of the long-term direct blowing of the fan, the biggest problem in the logistics industry is that the field workers are also moving at any time. Because the small fan coverage is small, it can only cover the 20%~30% site area, in fact, can not fundamentally solve the problem of ventilation and cooling in the logistics industry.

◆ Compare with small fan project effect

BGX series large-scale fan scheme

BGX series of large fans are used to cover the whole area without leaving dead ends. The large air volume and covering area will bring comfortable natural breeze, make the working environment change immediately, not only can cool the body directly, but also bring the whole field ventilation and the excellent dehumidification effect.

◆ Compare saving-energy with small fan

Compare with small fan:

A large BGX fan with a diameter of 7.3M covers an area equal to the coverage area of 50 units 0.75M small fans. For example, in a 9000 square meter factory building, we hope to achieve the full coverage effect. We need about 300 units small fans, while the BGX series large fans only need 6 units. According to the use of 4 years, 8 months a year, 10 hours a day, about 10000 hours, BGX series of large fan power consumption 90000KW.h, small fan 1080000KW.h, energy saving 900000KW.h, energy saving 92%.

<table>
<thead>
<tr>
<th>Diameter (m)</th>
<th>Covering area (㎡)</th>
<th>Wind quantity (m³/min)</th>
<th>Fan quantity (w)</th>
<th>Power (KW)</th>
<th>Operating time (h)</th>
<th>Exhaust consumption (kg/h)</th>
<th>Total cost (¥/year)</th>
<th>Saving (¥/year)</th>
<th>Using lifetime (year)</th>
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</thead>
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<tr>
<td>7.3</td>
<td>1500</td>
<td>13500</td>
<td>6</td>
<td>1.5</td>
<td>10000</td>
<td>90000</td>
<td>90000</td>
<td>990000</td>
<td>10</td>
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<td>0.75</td>
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<td>300</td>
<td>300</td>
<td>0.36</td>
<td>10000</td>
<td>1080000</td>
<td>1080000</td>
<td>1000000</td>
<td>2</td>
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</table>

Application attribute comparison table:

<table>
<thead>
<tr>
<th>Application attribute</th>
<th>Large fan</th>
<th>Small strong fan</th>
</tr>
</thead>
<tbody>
<tr>
<td>Free maintenance</td>
<td>✔️</td>
<td>❌</td>
</tr>
<tr>
<td>Comfort</td>
<td>✔️</td>
<td>✔️</td>
</tr>
<tr>
<td>Easy operating</td>
<td>✔️</td>
<td>✔️</td>
</tr>
<tr>
<td>Easy manager</td>
<td>✔️</td>
<td>✔️</td>
</tr>
</tbody>
</table>

◆ Huge coverage area

When our customers feel the huge coverage of the super large fan, they all have the same admiration: this fan is so low, the power is so small, why can it cover such a large area? The BGX series of large fans can cover such a large area, depending on the unique streamlined design of the fan blade, which minimized the resistance and converted the maximum energy efficiency into the kinetic energy of the air. In addition, the air flow structure of the fan is different from that of the ordinary small fan. The small fan can only cover the range of the fan diameter, and the large BGX fan first puts the air flow vertically to the ground, then forms a 1-3 meter high air flow layer on the ground, thus forming a super large coverage area not only limited to the BGX series large fan. In an open space, a fan can even cover 1400 square meters of super large area.