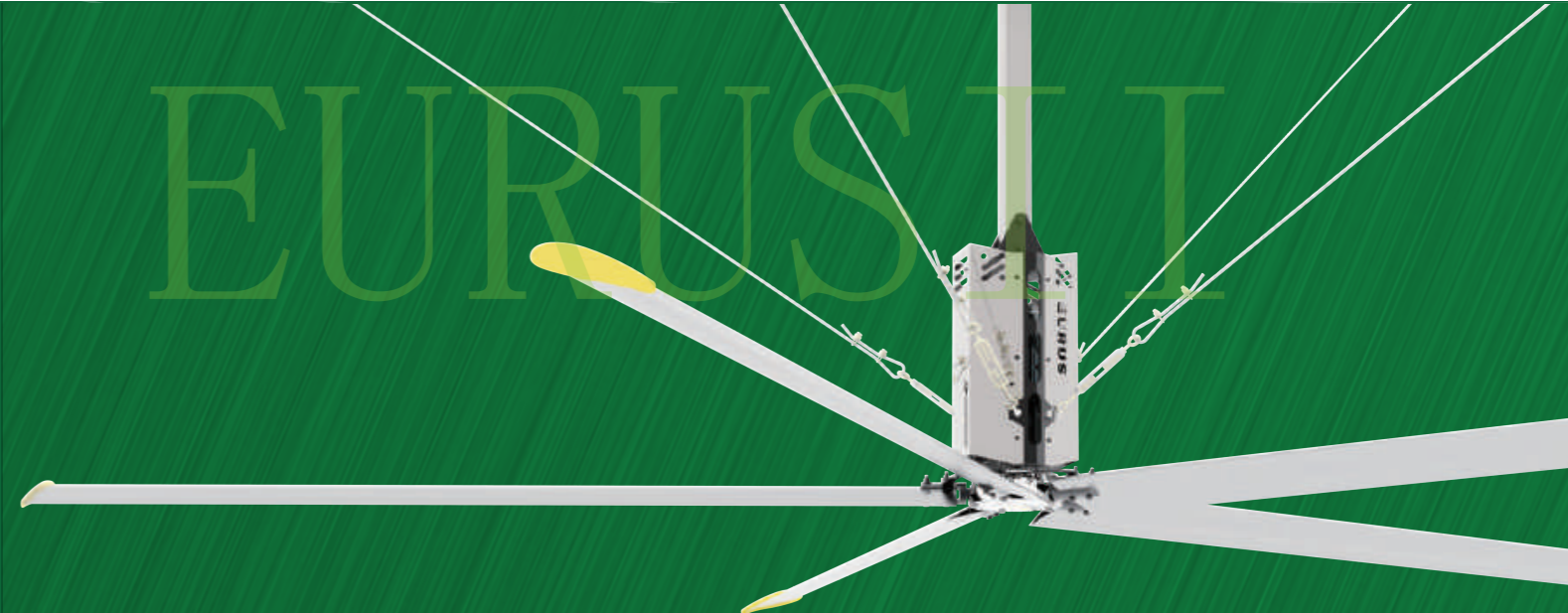


# EURUS II

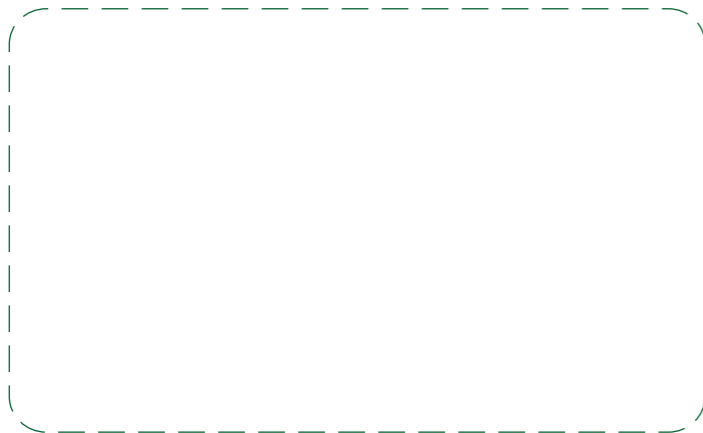
LET THE WORLD BE GREENER AND THE ENVIRONMENT BETTER

## EURUS II



# EURUS II

Products used in air circulation, people cooling of large space like the workshop,warehouse etc.



Kale Environmental Technology (Shanghai) Corporation.

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Web:www.kalefans.net      Email:liumichael@kalefans.com



Kale Environmental constantly researches and innovates to meet the higher demands of users. Therefore, the changes to the products will not be notified. For more information, please visit the company website or call us





# COMPANY PROFILE



**KALE FANS**  
High Quality & Best Service

Solve the workshop ventilation and cooling problem for more than 20 million sq metre of workshop all over the world and energy saving can be 1 million Kw.h every day comparing with traditional fan.

Since its establishment in 2010, Kale has been focusing on high-tech and sophisticated technical products in the field of environmental technology. In addition, Kale puts an emphasis product practicality and market reputation, and insists on using the exquisite craftsmanship, fashionable design and advanced concepts to make the best products in the world.

After 9 years of rapid development, the domestic market share of Kale industrial fans ranks first in the industry. Kale HVLS commercial fan is the pioneer in the HVLS commercial fan industry in China, and the technology has reached or even surpassed the international advanced level, creating a number of unique technologies. In addition, Kale owns 34 patents and 5 inventions, and has completely independent intellectual property rights. It has technically achieved "production generation, storage generation, and research and development generation". Kale is the only high-tech enterprise in the industry, the only small giant enterprise, and the only listed company. The large fan of Kale is the only product with independent intellectual property rights in China. It is the only product with the most comprehensive authority and three-party testing in China, and is the only product that has obtained the government energy-saving certification.

Kale has a production base of 60000 square meters and a research and development operation center of 17,000 square meters (Shanghai); offices and branches throughout the country, and branches and production bases in India and Mexico. Kale's inexhaustible passion for products and services and Kale's relentless pursuit of innovation allow Kale to create unique values. Furthermore, Kale will always uphold the values of "sincere, respectful, dedicated, and dedicated".



*John A. Palmer*

YES!



## ENTERPRISE QUALIFICATION



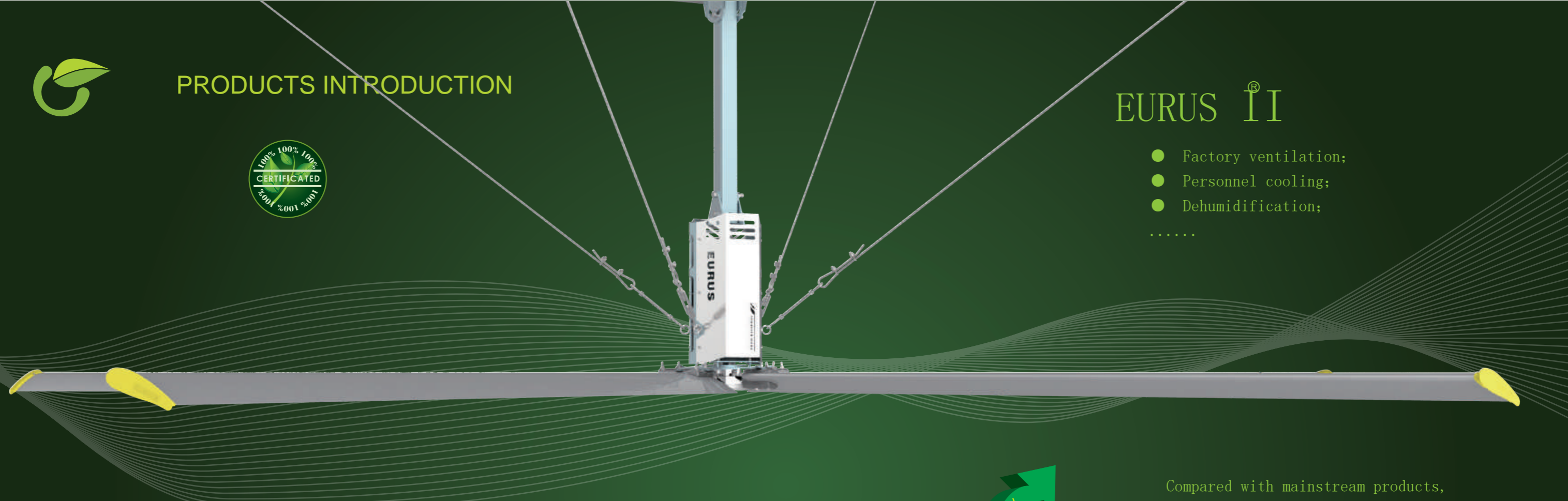


# PRODUCTS INTRODUCTION



# EURUS II<sup>®</sup>

- Factory ventilation;
- Personnel cooling;
- Dehumidification;
- .....



## 1、APPLICATIONS

EURUS II Series are primarily applied in large space such as the plant, logistics & warehouse, station hall, exhibition hall, gymnasium, supermarket and farm, etc. It is the first choice for the ventilation and cool people.

- Wider adjustable speed range
- Reduce the intermittent feeling caused by blowing from far distance
- More effective ( improve 30% than similar products)
- Upgraded control system , more humanized operation
- More beautiful and elegant appearance

- .....
- New blade fixed technology, security level is higher
- New design of the fan blades
- The best fan blade width, ensure the energy conversion
- The latest fastening connection mode and the overall performance is more outstanding
- .....



Compared with mainstream products, the air volume is increased by more than 30%!

Take you to experience unprecedented air volume!

## 2、PARAMETERS

Technical Specifications	16ft (4.9m)	20ft (6.1m)	24ft (7.3m)
Model	D6BAA49	D6BAA61	D6BAA73
Air disp.@Max speed	11250m <sup>3</sup> /min	12150m <sup>3</sup> /min	13050m <sup>3</sup> /min
Maximum speed	75RPM	65RPM	55RPM
Fan weight	80kg	105kg	120kg
Moto size	1.5Kw	1.5Kw	1.5Kw
Full load amps	2.4Amps/380V 4.2Amps/220V	3.5Amps/380V 5.7Amps/220V	3.5Amps/380V 5.7Amps/220V

Note:  
 1, Weight: the weight does'nt contain control box, top connection parts etc.  
 2, Size: the above-mentioned product size is standard, other size can be customized.  
 3, Noise: sound level measured a distance of 1 m from the motor, electromagnetic noise is less than 40 db(A).  
 4, Packing: Export standard crates.  
 5, Input power: 380 VAC, 3P, 50/60 Hz. 220 VAC, 3P, 50/60 Hz. 220 VAC, 1P, 50/60 Hz.



## APPLICATION NOTE



EURUS

### FACTORY WORKSHOP

Why do the modern workshops apply a large number of industrial energy saving fans?

You know, it is hot and damp, poor ventilation in the workshops in summer, the staff's mood is very bad in this situation. Thus, in fact, they has been thinking about how to get over time and enjoy the cool and refreshing so that lead to low efficiency of work. Especially in some workshops which the intensity of labor is heavy and staff liquidity is bigger, employees can truly feel the cooling feeling caused by the air circulation and ventilation only in the workshop that the overall ventilation problems get solved thoroughly. At present,the workshops mainly use small fan, but it can't solve the problem of air circulationin in tall and large space. Also, it influences workshop beauty and neatness because the small fans easy to adsorb dust and difficult to clean. Besides, the wiring is complex and not easy to control for the small fans and will cause the potential safety hazard. Finally, small fan with high energy consumption and make the enterprise operation cost increase!

Recently, with the global background of advocating energy saving and increasing labor relations, it is to be solved problem that how to improve the employees' occupational health, how to provide a comfortable working environment for each company. Application of industrial energy saving fan is the growing trend for ventilation and cooling for modern workshops!



## LOGISTICS & WAREHOUSES

Industrial energy saving fan is becoming a standard configuration of modern warehouses.

The product quality not only depends on the finished products, but also lies in the logistics and warehousing. Such as food, tobacco, textile, medicinal materials, chemical products, hardware and so on, they all need certain storage condition. It may cause the product quality lower and reduce the quality guarantee period or even may cause a great loss and waste if the warehouse condition is poor. So warehouse should maintain proper air flow and maintain good ventilation condition and completes the moistureproof, anti-corrosion, mouldproof, prevent metamorphism and so on according to the different object storage requirements. In addition, logistics warehousing will also become the first complaint object if product packaging once damp and deformation, so, people pay more and more attention to ventilation cooling equipments in the modern warehousing logistics industries. Now, you need the more efficient and energy saving storage ventilation equipment - Large energy saving fan from Kale Environmental Technology(Shanghai)Corp.!

Modern warehouses mostly use roof axial flow fan for air circulation, but a single use effect is not good and can only form a short air channel within a certain space, it cannot completely eliminate the moisture and bad air around the corner effectively especially in high roof warehouses. Generally speaking, the fluidity is heavy in logistics work area, most of the areas can't add small fan for staffs and lead to bad working environment and low work efficiency. The industrial energy saving fan will make these problems solved!

## PUBLIC PLACES

Industrial fan will reach maximum efficiency in public places applications

It is hot and has bad ventilation in lots of huge public places such as traffic depot, waiting room, show room, the stream of the stadium. You know, the public places need to retain a large number of channel and if open the central air conditioning, the cool air will become hot quickly and the refrigeration effect is quite bad but also caused a huge amount of energy consumption. It's really a great problem.

Industrial energy saving fan just to maximize efficiency because public places are more open and with less obstacles, one fan's power is only 1.5 KW, but can cover 2000 square meters, it is the wise choice for operators!



## ADVANTAGE

### 30% or more saving

The coverage area of an EURUSII with diameter of 7.3 m (24ft) equals to that of 50 small sized 0.75 m (about 2.5ft) fan. For example, in a 9000 square meter factory, the overall coverage of the factory requires 300 small size fans at least, while only 6 industrial energy-saving fans of EURUSII could solve the problem. The operation of 10000 hours cost 90000Kw electric power for EURUSII but 1080000kw electric power for small sized fan, which means it could save 990000kw electric power(92%)!

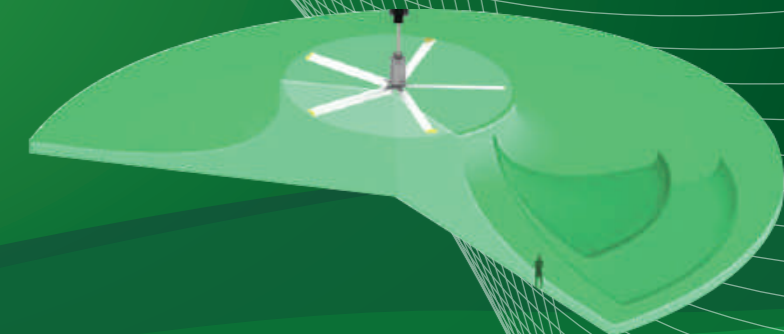
#### Energy-Saving Effect

The coverage area of an EURUSII with diameter of 7300 mm (24ft) equals to that of 45 small sized 0.750 mmM(about 2.5ft) fan. For example, in a 6000 square meter factory, the overall coverage of the factory requires 150 180 small size fans at least, while only four industrial energy-saving fans of EURUSII could solve the problem. The operation of 1000 hours cost 6000Kw electric power for EURUSII but 54000kw 64800kw electric power for small sized fan, which means it could save 48000kw 58800kw electric power(90.7%)!

#### Comparison for the application attribute of the samll powerful fans

Applied in spring and autumn, it is awkward for commercial mall and supermarket to decide whether turn on the aircondition or not. However, after applying the super large energy saving fan, we could enjoy the natural ventilation and cooling without turning on it and quite energy-saving.

The energy consumption is great when turning on the air conditioning units, but it is totally different if used in combination with the super energy-saving fan, it can mix the air very well and reduce the working time of the air condition or turn off some directly, extremely economic.



#### Three Dimensional Natural Breeze

The comfort brought by the large energy-saving fan is entirely different from the other fans. Under the large energy saving fan, you could feel the three dimensional natural breeze from the four directions, so that the whole body would be covered by the air flow and the evaporation area of the sweat could increased to the largest. While the traditional high speed fan blows directly to the human body which is not quite comfortable as compared with the super large energy saving fan. The speed of the flow is over high so that the temperature of part of the body would jump down, which would bring about many healthy problems such as fan diseases. EURUSII could regulate the maximum speed in accordance with the practical situation so that you do not need to adjust it to the largest flow speed.

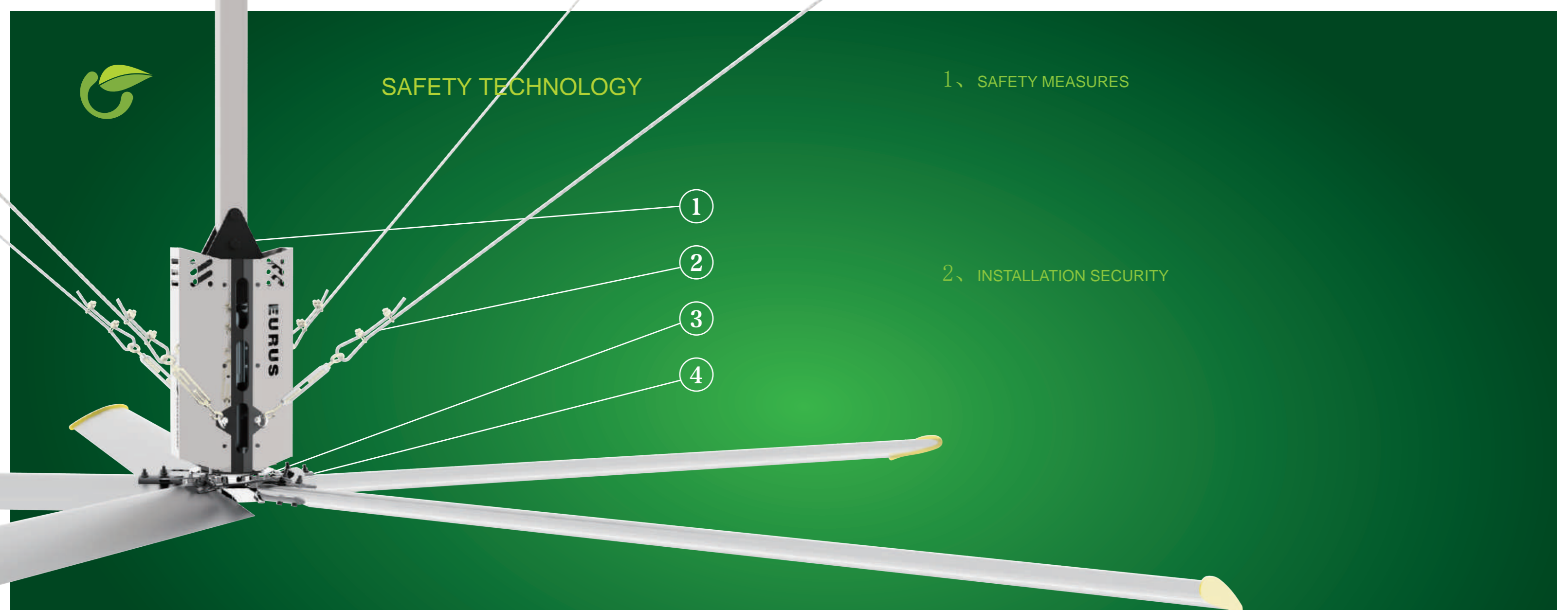
#### A super big coverage area

After experiencing the exceptional large coverage area of our super large scale fan, our customer ask in concert without previous agreement: "Why could it cover such a large area with so low rotate speed and small capacity?"

The reason why the super large scale energy-saving fan could cover such a large area is that its unique KALEFANS streamline design of the flabellum could decrease the resistance force to the lowest points and transfer the electrical energy into the energy of motion efficiently. On the other hand, the air flow structure is different from the ordinary small fan, which could cover the area of diameter area. While the super large energy-saving fan would first push the air flow to the ground and form a 1-3 meter air flow layer on the ground so that the super large coverage area was formed beyond the area below the flabellum. In an open space, the fan could cover an area of 2000 square meters.



# SAFETY TECHNOLOGY

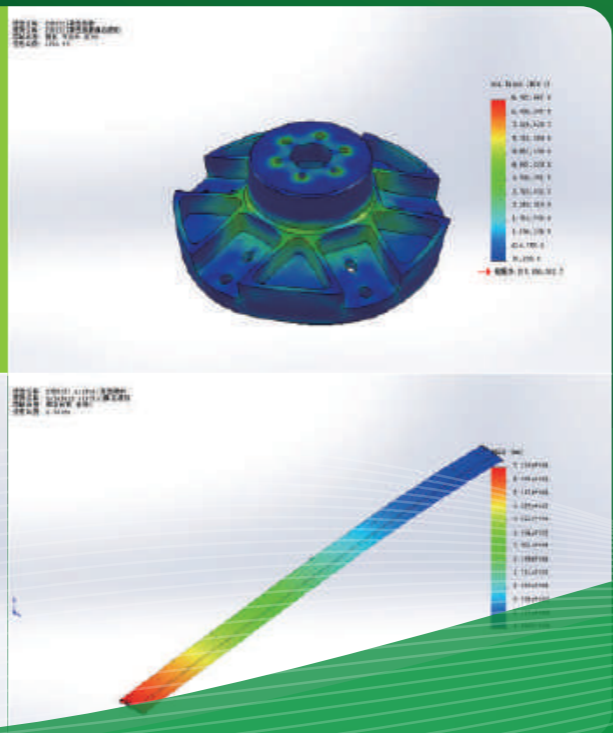


## 1、SAFETY MEASURES

## 2、INSTALLATION SECURITY

### 产品安全分析

- 材质分析
- 应力分析
- 形变分析
- 荷载分析
- 动态模拟
- 疲劳分析



### 100% SAFETY MEASURES:

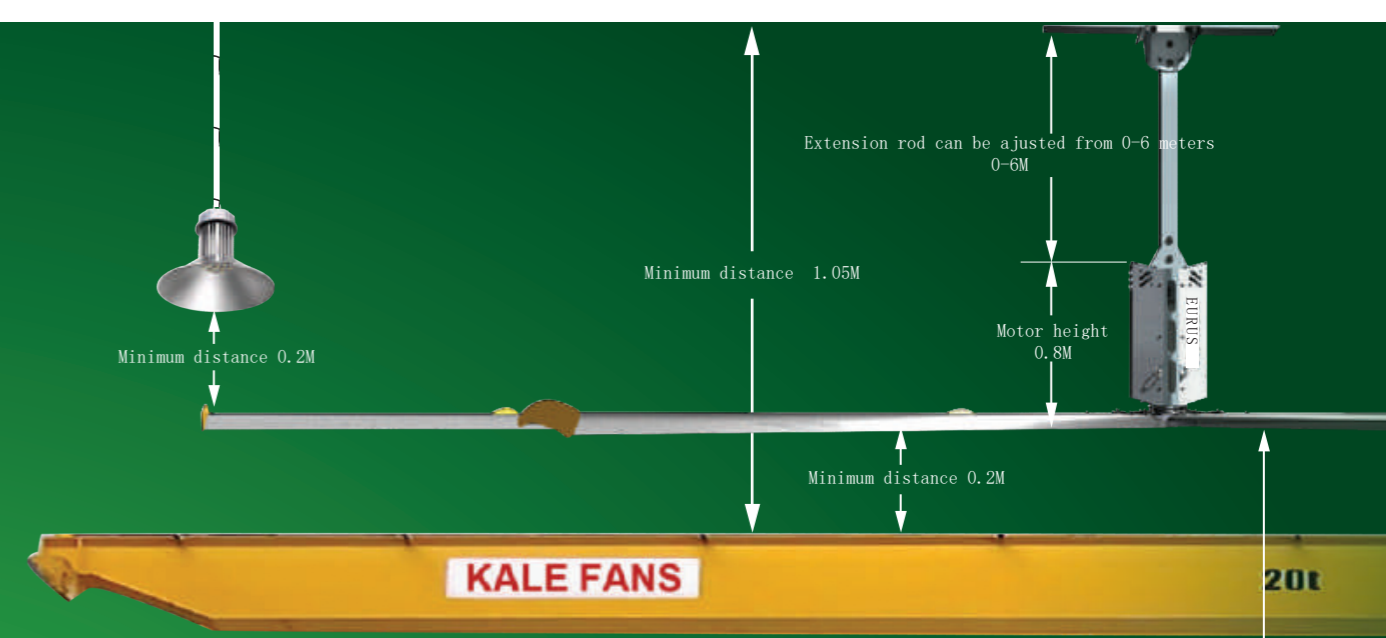
1. Fastener: all the fastener enjoys the application of industrial bolt of 12.9 degree and the practical stress it could endure is above 10 times.
2. Steel wire traction: every steel wire has the strength of stress at 1000kg with the joint being set up double protection.
3. Protective structure for fan main body: Safety ring, once accidents occur, the safety ring would protect any spare part from falling down;
4. The I-type safety structure: to reconnect all the flabellum and the bottom head as an integrated structure.
5. Once the accident occurs the frequency controlling system would automatically alarm and stop the operation.

We have a experienced electrical, mechanical, structural engineer team, can do stress analysis and provide the most reasonable installation plan for different building structures as well as doing installation for the buildings whose height from 4.5m to 15 m.The installation is very important, so we have strict operation specifications and installation standards in operation process.

We believe that our professional technology and high requirement must eliminate all your doubts.

1. Customized installation scheme
- 2.Lift truck for installation, well-equipped team
3. Level, height and balance debugging, experienced staffs
4. Dynamic balance test at site, smooth operation,
5. Fasteners with torque standard in order to achieve the best fastening.
6. Concise and scientific installation process





## • INSTALLATION REQUIREMENT

- 1) Building structure: H-beam, beams, the steel FangLiang, ball bar structure.
- 2) Building a total height requirement is greater than 4.5 m.
- 3) Fan leaves safe distance from obstacles minimum 0.2m.
- 4) Input power: 380 V / 220 V.

Minimum distance from fan blade to ground 3.5M





## QUALITY ASSURANCE

Our confidence in our products comes from the quality of our products. Kale Fans has passed the strict certification of CE (SGS), EMC certification and National Quality Supervision Bureau.

Kale Fans provides the following services to the client:

1. Three-year quality assurance for all parts
2. Third-party certification including:
  - ▶ Product certification: SGS-CE certification and SQI quality inspection report
  - ▶ Motor certification: CCC certification, SGS-CE certification and UL certification
  - ▶ Electrical certification: CCC certification, SGS-CE certification, UL certification, EMC certification, LVD certification and ROHS certification

## SERVICE ASSURANCE

Kale Fans has established global service center in order to provide best pre-sale and after-sale services to the client.

- ▶ 24hrs service and technical support
- ▶ The after-sales department will respond within 24 hours once the product encounters a problem during the warranty period
- ▶ If customers need other support services, Kale Fans will also endeavor to serve customers.

## The sales service network of KALE FANS across the globe



## TYPICAL CUSTOMER

### Warehouses & Factories



### Logistics & Supermarkets



### Motor Companies



### Public Places

