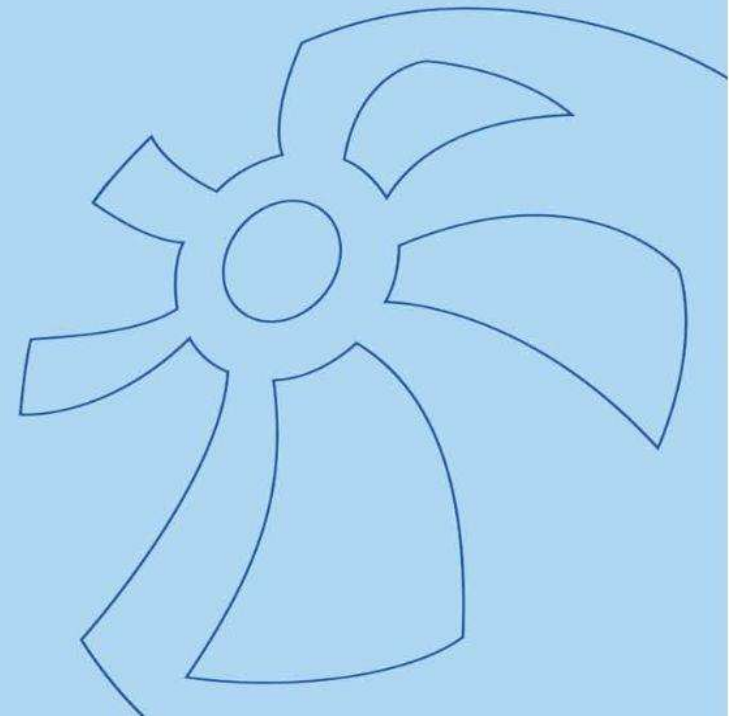




暖通轴流风机行业领跑者

The PIONEER in HVAC Axial Fan Industry



Zhejiang KEMAO Industrial Co., Ltd. was established in 1994, which covers an area of more than 80,000 square meters and is located in Xinchang, eastern of Zhejiang province.

Zhejiang KEMAO Industrial Co., Ltd. is a leading R&D and production enterprise specialized in HVAC axial fan in China.

KEMAO is a national Hi-tech enterprise, a member of China Refrigeration and Air-Conditioning Industry Association.

KEMAO passed the ISO9001 quality system certification in 2002. In 2005, we took the lead in passing the China Refrigeration and Air Conditioning Industry Association CRAA certification.



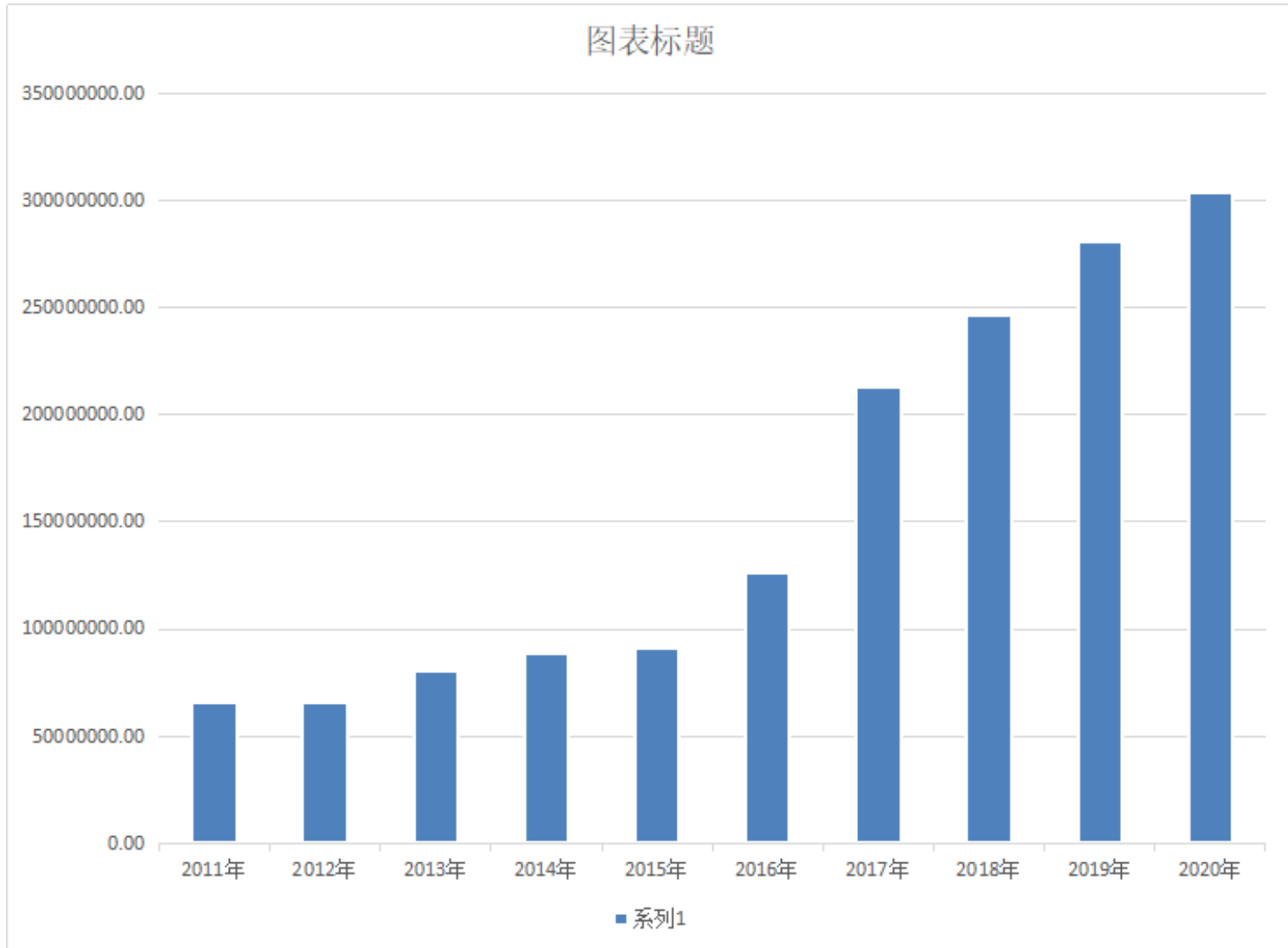
Company Layout



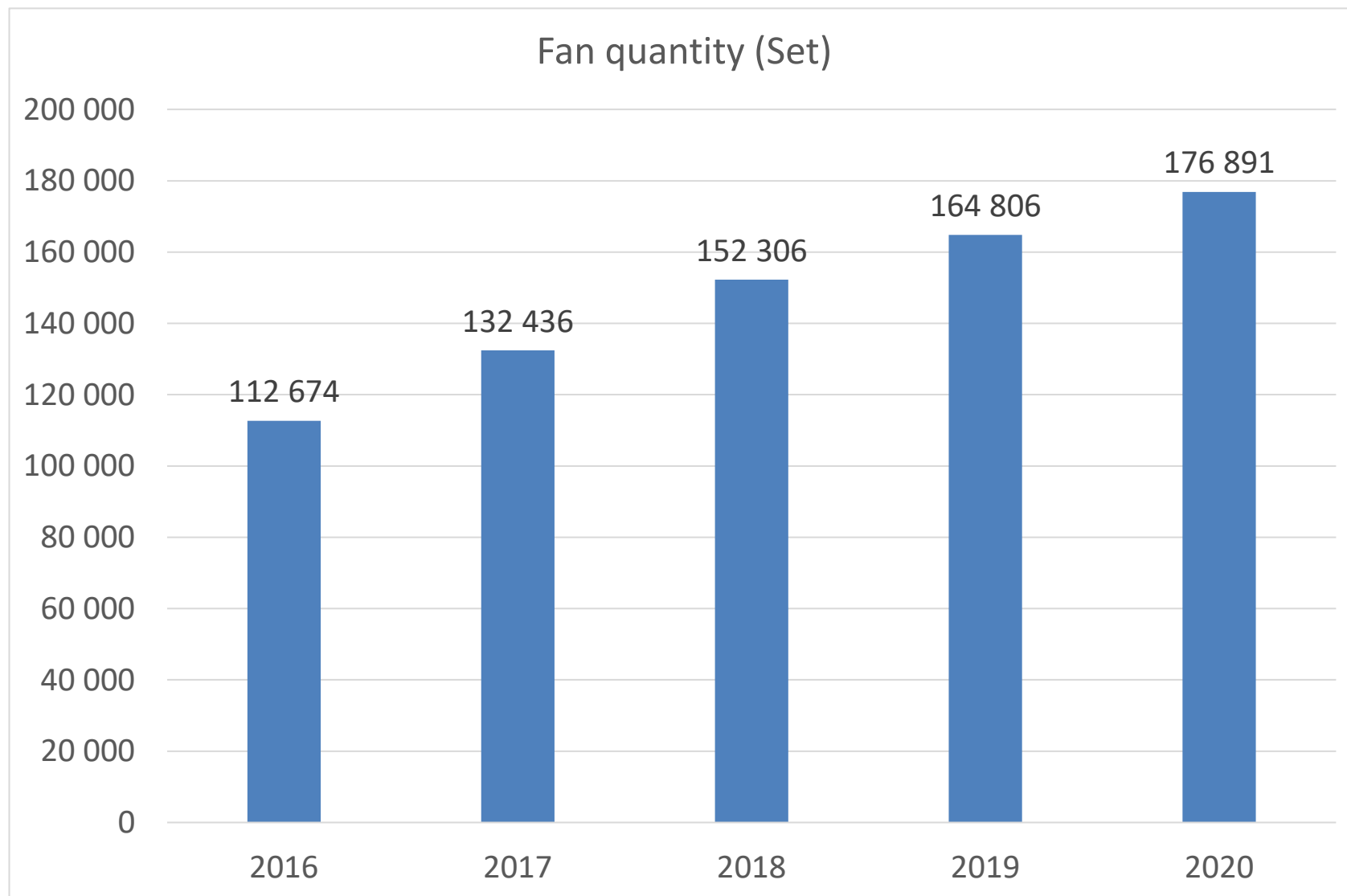
Company area: 82000m², Factory area: 83000m

Company staff: 320

Company turnover



Fan quantity





Fan blade: Aluminum magnesium alloy





Amada CNC machine



Fiber Laser Cutting Machine





Fan deck: Galvanized Steel sheet



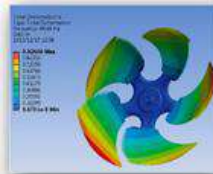


KEMAO FANS own a strong technical R&D team, and it has rich experience in optimization design of heating and ventilation axial fan, could offer the products testing service and fully technical supports to our customer!

We own the leading equipment for heating and ventilation fan performance testing. **Fan comprehensive Performance laboratory** which design according international standard and pass GMPI certificate, **Semi-anechoic laboratory**, **Siemens LMS vibration and noise analyze system**, **fan life testing equipment**, **Material analyse testing equipment**, **salt spray test equipment** and so on.



风机性能测试中心
Fan performance test center



◆ 风叶振动模式仿真分析

Fan vibration mode analyze

◆ 西门子LMS振动噪音分析系统

Siemens LMS vibration and noise analytic system



◆ 高精度动平衡检测线

High Precision Dynamic Balance Detection Line

◆ 风机半消音试验室

Semi-anechoic room

销售网络Marketing Network

我们的主要客户，都是国内外知名的空调企业，引领暖通行业的潮流。
All of our main customers are renowned international enterprises leading HVAC industry.



绿色 高效 静音
智能 专注 领先



科茂风机微信号

专利翼形高效静音轴流风机
Patented Aerofoil Efficient Mute Axial Fans

空调工程师的最佳选择
The Best Choice of The Air Conditioning Engineers









产品简介PRODUCT INTRODUCTION



创新绿色驱动 让风机运行的更安静 Smart-GreenTech Makes The Fans Running Quieter



科贸风机微信号

<p>EC风机 EC Axial Fans</p> 	<p>空调风机 HVAC Axial Fans</p> 	<p>风冷散热器风机 Air Cooling Radiator Axial Fans</p> 	<p>冷链风机 Cold Chain Axial Fans</p> 	<p>静音风叶 Low Noise Fan Blade</p> 	<p>空调电机 HVAC Motor</p> 
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ODS patent high efficient low noise axial fan

- ◆ ODS fan blade obtained many national patents
- ◆ Motor protection level: IP55, can be up to IP66.
- ◆ Part of motors got the ETL or UL certified.



63/71/90/100/132/160 seris motors

认证:



AC AXIAL FAN: 710



风机型号Fan Model: ODS710C-190B4.SD.V-01B

适用机型Applicable Units :

风冷模块 65KW Air cooling module

风冷蒸发冷机组Air-cooled evaporative cooling unit

上市时间 Time to market: 2011.7

市场应用Qty: more than 155,000

可扩展选项:

交流变频、无刷直流变频

Options:

AC VFD compatible, EC

主要应用客户Main Customers: TRANE、EK、Carrier、SKM、GREE



Erp2015
N=42



AC AXIAL FAN: 800



风机型号Fan Model : ODS800C-215B4.SD.V-01B

适用机型Applicable Units :

风冷模块130KW air cooling module

风冷螺杆机组Air-cooled screw unit

风冷磁悬浮机组Air-cooled magnetic levitation unit

风冷自然冷却机组 Air-cooled natural cooling unit

上市时间Time to market: 2009年11月

市场应用Qty: more than 256,000

可扩展选项:交流变频、无刷直流变频

Options:

AC VFD compatible, EC

主要应用客户Main Customers: McQuay、Carrier、TRANE、SKM、EK、GREE、DB



Erp2015
N=42



▲现场安装图

AC AXIAL FAN: 900



风机型号Fan Model: ODS900C-165B4.6D.V-01B

适用机型Applicable Units :

风冷模块130KW air cooling module

风冷螺杆机组Air-cooled screw unit

风冷自然冷却机组 Free cooling unit

发马达远置式散热器机组Motor remote radiator unit



Erp2015
N=44.1



上市时间Time to market: 2014.2

市场应用Qty: More than 82,600

可扩展选项: 交流变频、无刷直流变频

Options: AC VFD compatible, EC

主要应用客户Main Customers: McQuay、EK、SKM、TICA、DB



McQuay MCS-DV3



McQuay FC3 Free cooling

KEMAO axial fan in TRANE products application



Aquassey



Koolman



Odyssey



CXAJ



CGAM



Voyager III



Aquastream



RTXC



RTXA+



RTAC

EC AXIAL FAN



◆规格

1~220V 50/60HZ: max 0.55KW 400~660mm
3~380-480V 50/60HZ: max 2.5KW 710~950mm

Product Features

- The combination of high efficiency bionic mute blade and brushless PMSM realizes the most efficient aerodynamic performance.
- The max. motor efficiency can reach over 90%, the efficiency in low velocity and light load is over 65%, fan overall efficiency can be improved over 20%.
- Motor with sensorless technology design, in-line permanent magnet rotor structure, long-term reliable operation.
- The driver is equipped with SVPWM pure sinusoidal vector control technology, which can realize fan's intelligent speed regulation and start-stop.
- Analog (voltage 0-10V), (current 4-20mA), PWM or RS485 communication control mode.
- It has the protection of over-voltage and under-voltage, current limiting, stall, over-temperature, lightning resist and soft start-up function.
- Including EMC anti-jamming function and PFC power factor correction function.
- Upwind start-up performance, fans can be started smoothly under 420 RPM upwind conditions.



Brushless PMSM

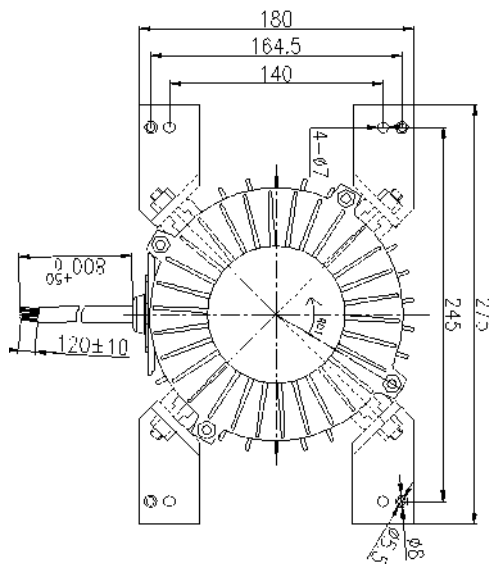


Characteristic :

- Motor with sensorless technical design, straight blade p-m rotor, reliable to run.
- Controller adopt advance noninductive technology based on linkage observed
- Max motor efficient could reach 90% above, low velocity underloading efficient is above 65%
- SVPWM Sin 180° driver
- Startup performance against the wind, can start up successfully against the wind 420rpm.
- Motor IP grade: IP55, Max:IP66
- Using temperature: -40~+65 °C
- Mounting dimensions are compatible with Panasonic motors

Single phase driver 220V 50/60HZ: 0.55KW~ 1.1KW

Three phase driver 380-480V 50/60HZ: 0.55KW~1.25KW



无刷永磁同步电机 Brushless PMSM

规格:

- 单相驱动1~200-260V 50/60Hz: 0.55kW~1.1kW
- 三相驱动3~380-480V 50/60Hz: 0.55kW~2.2kW

特点:

- 电机无位置传感技术设计, 直插式永磁转子结构, 运行可靠。
- 电机效率最高达90%以上, 低速轻载的效率在65%以上。
- 驱动器采用SVPWM纯正弦波矢量控制技术, 可实现智能的调速和起停。
- 采用模拟量 (电压0~10V)、(电流4~20mA)、PWM或RS485通讯控制方式。
- 拥有线电压过欠压、限流、堵转、过温、防雷击保护及软启动功能。
- 逆风启动性能, 能在420rpm逆风情况下, 顺利启动。
- 电机标准防护等级: IP55~IP66
- 运行温度范围: -40~+65 °C

