

# 产 品 规 格 书

## PRODUCT SPECIFICATION

名 称 (NAME): 交流离心风机 AC centrifugal fan

型 号 (MODEL): F14692E-23L-B2G

配置代码 (CONFIGURATION CODE): 001

版 本 号 (VERSION NUMBER): A/0

编 制 (MAKE): \_\_\_\_\_

校 对 (EDIT): \_\_\_\_\_

审 核 (CHECKED): \_\_\_\_\_

批 准 (APPROVED): \_\_\_\_\_

客户确认 (CUSTOMER APPROVE): \_\_\_\_\_

日 期 (DATE): \_\_\_\_\_

换版记录Describing of Alternations

| 版本号/Version | 换版原因/<br>Alternations<br>reason | 换版内容/<br>Alternations<br>reason content | 姓名/ Name | 日期 /Date   |
|-------------|---------------------------------|---|----------|------------|
| A/0         | /                               | /                                       | 叶国洲      | 2014-04-03 |
|             |                                 |   |          |            |
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## 1.0 概述/ Introduction

本规格书主要描述了产品标准、使用环境、技术要求等。

This specification describes the standard、operation environment、and technical requirements of the product。

## 2.0 产品标准和安规要求/Requirement of production standard and safety regulations

### 2.1 本产品符合的标准 / The product satisfy requirements

2.1.1 GB12350 《小功率电动机的安全要求》

GB12350 《Safety requirements of small power motors》

2.1.2 JB/T10563 《一般用途离心通风机通用技术条件要求》

JB/T10563 《General technical requirement for general centrifugal fan》

2.2.3 EN60335-1 《家电和类似用途电器的安全要求》

EN60335-1 《Household and similar electrical appliances-safety》

### 2.2 本产品通过 CE 认证

The fan has CE Safety regulations certificate.

### 2.3 本产品全部材料符合 RoHS 要求

All material accord with RoHS.

## 3.0 使用环境/ Operating environment requirements

### 3.1 工作温度和湿度/ Operating temperature and humidity

工作温度范围：-40℃~+65℃.，工作湿度范围：0%~95% RH。

Operating temperatures from -40℃ to +65℃, Operating humidity from 0% to 95% RH.

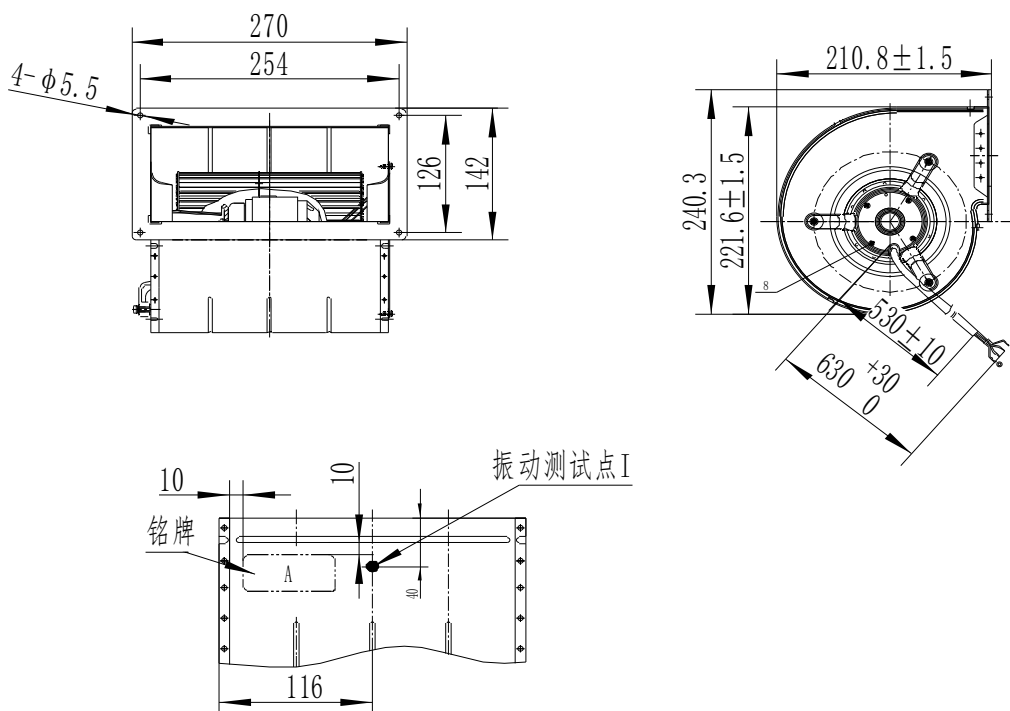
### 3.2 贮存温度和湿度/Storage temperature and humidity

贮存温度范围：-40℃~+80℃，相对湿度≤85%清洁通风良好的库房内，空气中不得含有腐蚀性气体。

Storing temperature from -40℃ to +80℃, In a clean and well-ventilated warehouse, relative humidity should be ≤85% and no corrosive gas exist.

## 4.0 机械要求/ Mechanical requirements

### 4.1 外形图/Dimension drawing



#### 4.2 叶轮/Impeller

叶轮由镀锌板材料制成。

Impeller made of galvanized sheet steel

#### 4.3 电机/Motor

外转子交流电机, 电机型号

External rotor AC motor, the motor model is

#### 4.4 平衡/ Balancing

风机在  $1350 \pm 7\%$  r/min 运转时, 每个端面动平衡精度不低于 G6.3, 符合标准 JB/T9101。

At  $1350 \pm 7\%$  r/min running speed, the residual unbalance of the fan is not less than G6.3 (balancing precision grade) in each plane, according with JB/T9101.

#### 4.5 振动/Vibration of the fan

风机振动值  $\leq 4$  mm/s, 测试方法按照 JB/T 8689 标准规定。

Vibration speed virtual value of fans  $\leq 4$  mm/s, test method accord with JB/T 8689.

#### 4.6 跳动/ Run out of impeller

风轮轴向、径向跳动  $\leq 1.0$  mm。

Run out of impeller in axial and radial direction  $\leq 1.0$  mm.

#### 4.7 防护等级/Type of protection

风机的防护等级为 IP44。

Type of protection is IP44.

#### 4.8 寿命/Life time

风机寿命估算值 40000 小时, (在额定电压、环境温度为  $40^\circ\text{C}$ 、风机全速运转时)

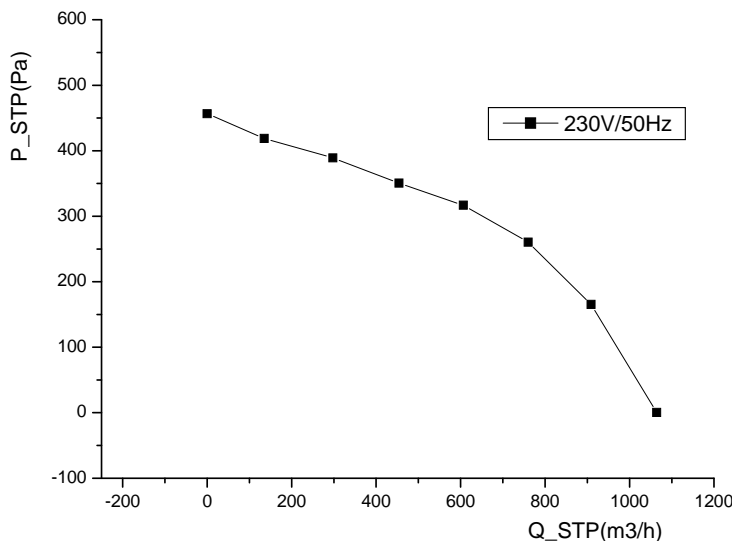
Fan life expectance 40000 hours, determined when at rated voltage, running at full speed, environment temperature of  $40^\circ\text{C}$ .

### 5.0 风机性能/Fan performance

#### 5.1 标称参数/Rating data

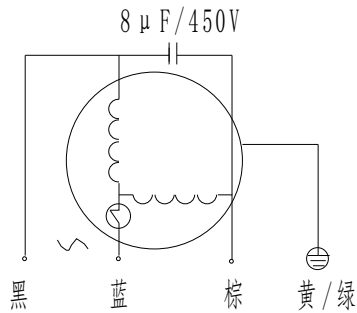
| 额定电压/<br>Voltage [V] | 频率/<br>Frequency [Hz] | 起动电容/<br>capacitor<br>[ $\pm 5\% \mu\text{F}$ ] | 输入电流/<br>Current draw [A] | 输入功率/<br>Power<br>input [W] | 转速/<br>Speed [r/min] | 风量/<br>Air flow<br>[ $\text{m}^3/\text{h}$ ] | 噪音/<br>Noise level<br>Lp [dB(A)] | 绝缘等级/<br>Insulation<br>class |
|----------------------|-----------------------|---|---------------------------|-----------------------------|----------------------|--|----------------------------------|------------------------------|
| 230                  | 50                    | 8/450   | 1.27 ( $\pm 10\%$ )       | 295 ( $\pm 10\%$ )          | 1350 ( $\pm 10\%$ )  | 1050 ( $\pm 10\%$ )                          | $\leq 69$                        | F                            |

#### 5.2 特性曲线/Performance curve (额定工作电压 230V/50Hz 时/Rating voltage 230V/50Hz)



## 6.0 电气性能/Electrical performance

### 6.1 接线示意图/View lead connection



### 6.2 电压范围/Voltage range

风机设计的额定运行电压为230V，可运行的电压范围是207~253V，

The fan is designed to operate at a nominal voltage of 230V but can be operated in the AC supply voltage range of 207~253V.

### 6.3 保护/Protection

电机有热保护功能，断开温度：150—160℃，复位温度：90—120℃

This motor with heat protection, cut off temperature: 150—160℃, replacement temperature 90—120℃

## 7.0 质量要求/Quality requests

质量要求符合企业标准 / Quality requests accord with FANS-TECH standard

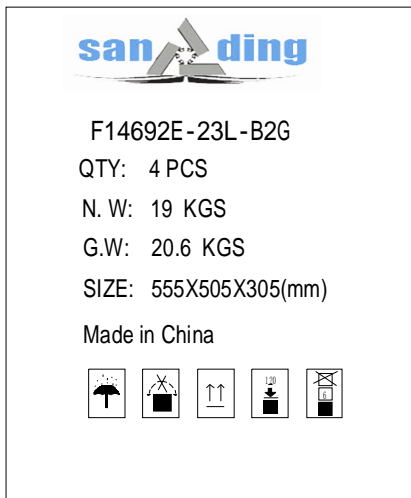
## 8.0 包装和标识/ Packaging and marks

### 8.1 包装/Packaging

包装必须有确定的尺寸和合适的结构确保风机在运输过程中不会损坏。

The packaging has to be well dimension and structure, so that the fans for on normal transport could not be damaged.

### 8.2 标识/Marks



## 9.0 附件/Other requirements on accessory

### 9.1 电容/Capacitor

带/Yes, 不带/No, 根据销售订单配备/For Salers' request; 型号为/model:

### 9.2 导风圈/ Inlet cones

带/ Yes, 不带/ No, 根据销售订单配备/ For Salers' request; 型号为/model:

### 9.3 蜗壳/ Scroll housing

(有/YES、没有/NO)

蜗壳材料为/ Scroll housing Material: SGCD

型号为/model:

9.4 连接件组件/Annectent parts

连接器/linker(有/Yes、没有/No),

型号为/model:

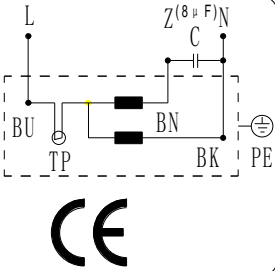
端子/terminal(有/Yes、没有//No),

型号为/model:

9.5 SAN-DING标志/ Logo SAN-DING

要/ Yes, 取消/ No

9.6 铭牌标识/Nameplate drawing:

|  |   |
|--|---|
| 风机用外转子电容运转异步电动机<br>型号/Model: F14692E-23LB2G<br>额定电压/RATED VOLTAGE: 230V<br>频率/FREQUENCY: 50Hz<br>输入功率/INPUT POWER: 295W<br>输出功率/OUTPUT POWER: 85W<br>电流/CURRENT: 1.27A<br>转速/SPEED: 1350r/min<br>绝缘等级/INSULATION: Class(155)F<br>工作制/WORKING MODE: S1 2P |  |
|--|---|