

产 品 规 格 书

PRODUCT SPECIFICATION

名 称 (NAME): 交流离心风机 AC centrifugal fan

型 号 (MODEL): YWF 4E-102/315N-3T

版 本 号 (VERSION NUMBER): A/0

编 制 (MAKE): 陈峰

校 对 (EDIT): _____

审 核 (CHECKED): _____

批 准 (APPROVED): _____

客户确认 (CUSTOMER APPROVE): _____

日 期 (DATE): _____

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Product specification

换版记录Describing of Alternations

版本号/Version	换版原因/ Alternations reason	换版内容/ Alternations reason content	姓名/ Name	日期 /Date
A/0	/	/	陈峰	2015-5-25

产 品 规 格 书

Product specification

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 technic 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 requirments of small power motors》

2.1.2 GB/T13275 《一般用途离心通风机通用技术条件要求》

GB/T13275 《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 CCC、CE 认证

The fan has CCC、CE Safety regulations certificate。

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：-10℃ -- +40℃，工作湿度范围：0% -- 90% RH。

Operating temperatures from -10℃ to +40℃, Operating humidity from 0% to 90% RH.

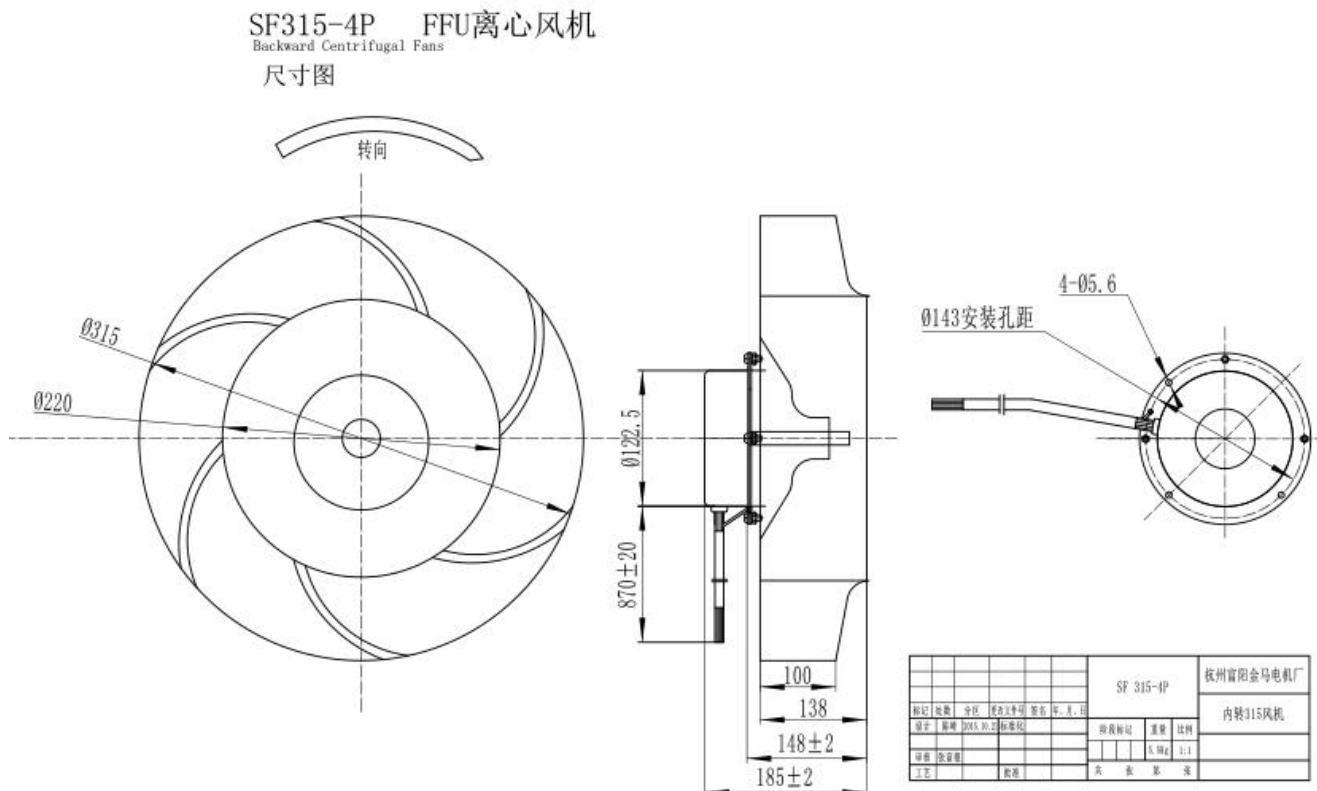
3.2 贮存温度和湿度/ Storing temperature and humidity

贮存温度范围：-10℃ -- +35℃，贮存湿度范围：0% -- 90% RH。

Storaging temperatures from -10℃ to +35℃; Storaging humidity from 0% to 90% RH.

4.0 机械要求/ Mechanical requirements

4.1 外形图/ Dimension drawing



4.2 叶轮/Impeller

叶轮由铝合金材料制成。

Impeller made of sheet aluminum alloy.

4.3 电机/Motor

交流电容运转异步电机, 电机型号YWF 4E-102/315N-3T。

AC motor, the motor model is YWF 4E-102/315N-3T.

4.4 平衡/ Balancing

风机在 1350±50RPM/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±50RPM /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≤3mm/s, 测试方法按照JB/T 8689标准规定。

Vibration speed virtual value of fans ≤3 mm/s, test method accord with JB/T 8689.

4.6 跳动/ Runout of impeller

风轮轴向、径向跳动 ≤1.2mm。

Runout of impeller in axial and radial direction≤1.2mm.

4.7 防护等级/Type of protection

风机的防护等级为IP42。

Type of protection is IP42.

4.8 寿命/Life time

风机寿命估算值30000小时, (在额定电压、环境温度为40℃、风机全速运转时)

Fan life expectance 30000 hours, determined when at nominal supply voltage, running at full speed, environment temperature of 40 ℃.

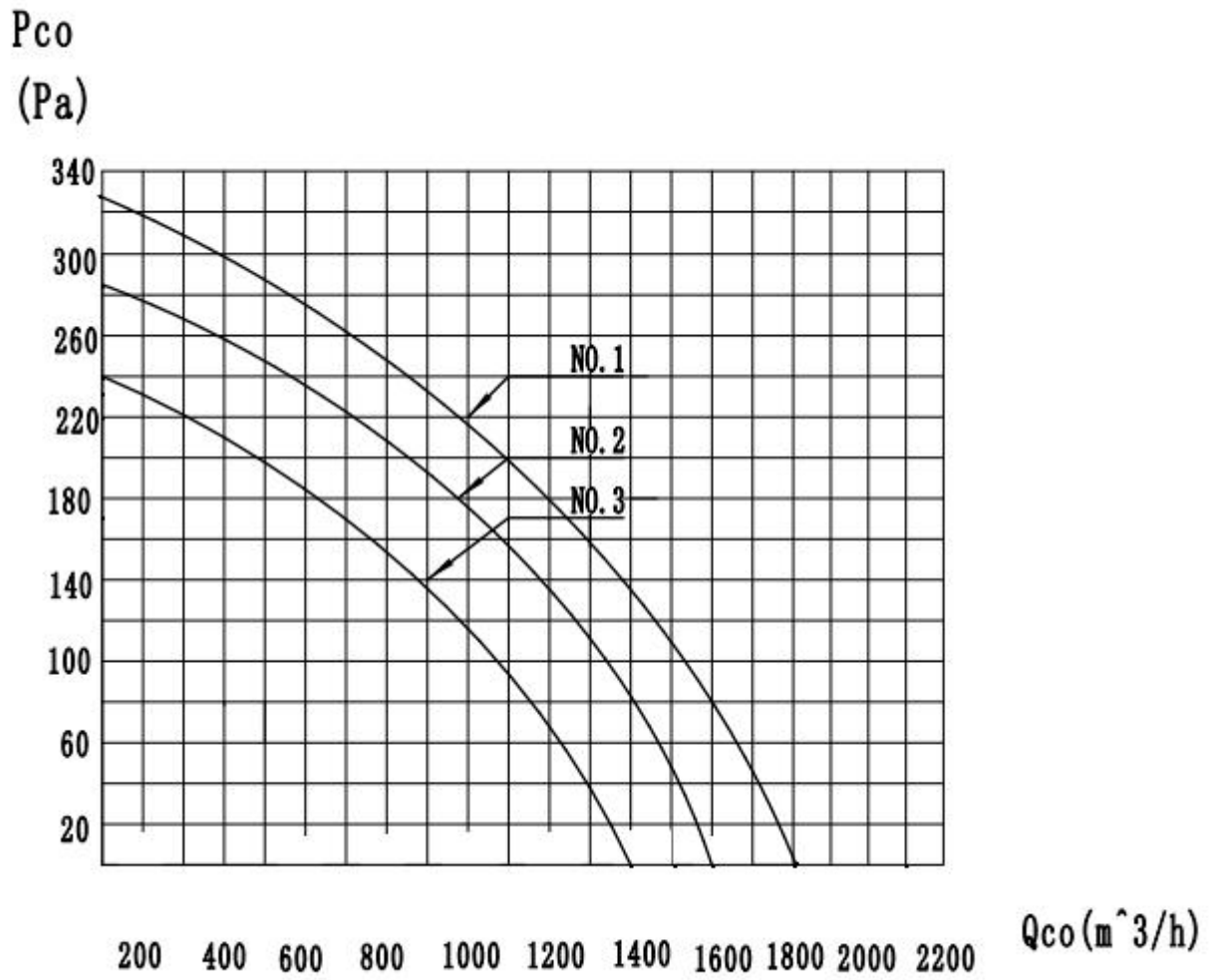
4.9 绝缘等级/ Insulation class: B

5.0 风机性能/Fan performance

5.1 标称参数/Rating data

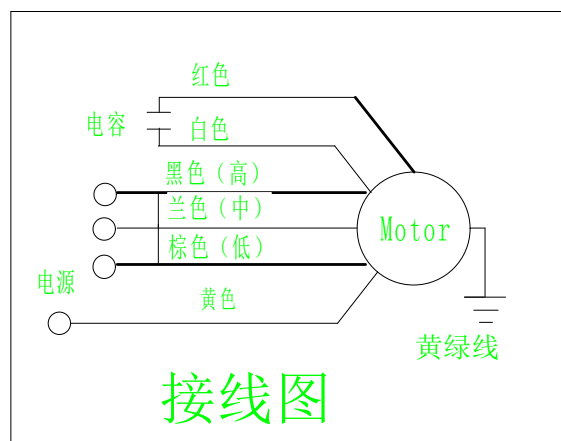
档位	额定电压/ Voltage[V]	频率/ Frequ ency[Hz]	起动电容 /Starting capacitor[μ F]	输入电流/ Current draw [A]	输入功率/ Power input[W]	转速/ Speed[r/min]	风量/ Air flow [m ³ /h]	风量曲线 Curve No.	噪音/ Noise level Lp[dB(A)]
高档	220	50	4 μ F/450V	0.65	120	1350	1800	1	58
中档	220	50	4 μ F/450V	0.50	110	1300	1600	2	55
低档	220	50	4 μ F/450V	0.50	110	1200	1400	3	52

5.2 风量曲线图/Air flow chart



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220V，可运行的电压范围是195~253V，

The fan is designed to operate at a nominal voltage of 220V but can be operated in the DC supply voltage range of 195 to 253 V.

6.3 保护/Protection

电机有热保护功能，断开温度:120—130℃, 复位温度:100—110℃

This motor with heat protection, cut off temperature: 120—130℃, replacement temperature 100—110℃

7.0 质量要求/Quality requests

质量要求符合企业标准 / Quality requests accord with 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 重量

每台风机净重 3.7kg.

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