



规格书

SPECIFICATION

MODEL
K-AC300-S230-27-A

1. 目的/ Purpose

本规格书规定了产品规格细节要求、技术标准或技术要求等。

This specification provides part specific requirements and the Engineering Standard and/or Engineering requirements.

2. 产品标准和安规要求/Engineering standard and safety regulations

2.1 本产品符合的标准/Engineering standard

2.1.1 GB/T 12350 《小功率电动机的安全要求》

GB/T 12350 *Safety requirements of small-power motors*

2.1.2 JB/T10563 《一般用途离心通风机技术条件》

JB/T 10563 *Technical specification for general purposes centrifugal fans*

2.1.3 EN 60335-1 《家电和类似用途电器的安全要求》

EN 60335-1 *Safety of household and similar electrical appliances*

3. 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: $-40^{\circ}\text{C} \sim +65^{\circ}\text{C}$, 工作湿度范围: $5\% \sim 85\%\text{RH}$ 。

Operating temperatures from -40°C to $+65^{\circ}\text{C}$, Operating humidity from 5% to 85% RH.

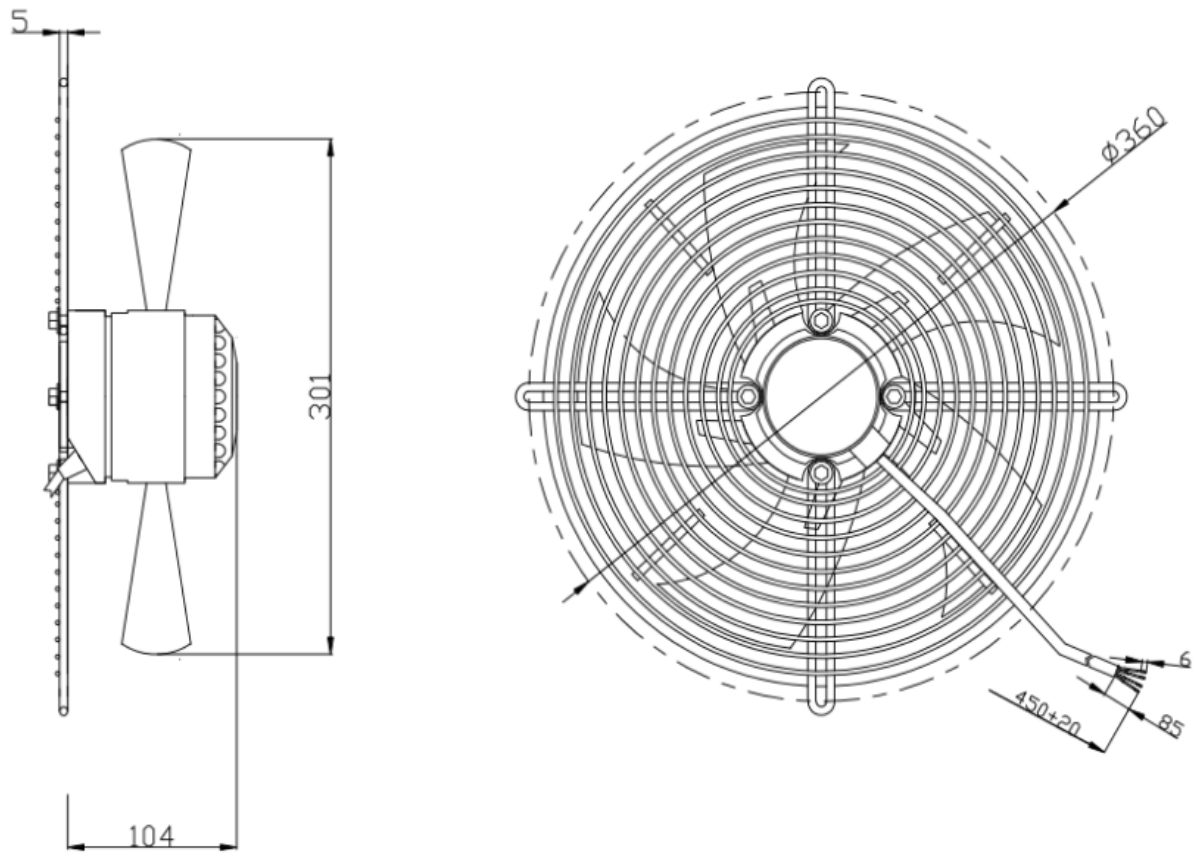
4. 单风机重量约: 5.3 Kg/台

Weight: about 5.3kg/pcs

5. 保护/Protection

电机有热保护功能, 断开温度: $140 - 150^{\circ}\text{C}$, 复位温度: $80 - 110^{\circ}\text{C}$ 。

This motor with heat protection, cut off temperature: $140^{\circ}\text{C} - 150^{\circ}\text{C}$, replacement temperature: $80^{\circ}\text{C} - 110^{\circ}\text{C}$.



6.3 平衡/ Balan cing

风机在 $1600 \pm 10\%$ r/min 运转时, 每个端面动平衡精度不低于平衡品质等级 G6.3。

When the fan is running at $1600 \pm 10\%$ r/min, the dynamic balance accuracy of each end side is not lower than the balance quality grade G6.3.

6.4 电机防护等级/ Motor type of protection

防护等级为 IP44

Ingress protection class is IP44.

6.5 寿命/Life expe ctance

在额定电压、环境温度 40°C 、额定转速下连续运转时, 预期寿命为 40,000 小时(根据产品实际应用工况, 预期寿 命会有不同)。保质期以双方约定的协议为准。

The life expectancy is 40,000 hours at rated voltage, ambient temperature of 40°C , and continuous operation of the fan at full speed (According to the actual working conditions of the product, the life expectancy will be different) .The warranty period is subject to the agreement agreed by both parties.

7. 风机性能/ Fan performance

7.1 标称参数/ Rating data

7.1.1 电压 230VAC,频率 50Hz 时性能参数

Performance parameters of voltage 230VAC and frequency 50Hz

电压 Voltage [VAC]	频率 Frequency [Hz]	电流 Current draw [A] ($\pm 10\%$)	输入功率 Power input [W] ($\pm 10\%$)	转速 Speed [r/min] ($\pm 10\%$)	风量 (OPa) Airflow [m ³ /h] ($\pm 10\%$)	噪音 Noise [Lp:dB(A)]	绝缘等级 Insulati on class	电容 Capacitor [uF]
230	50	1.1	225	2705	3410	73	F	8

7.1.2 电压 230VAC,频率 60Hz 时性能参数

Performance parameters of voltage 230VAC and frequency 60Hz

电压 Voltage [VAC]	频率 Frequency [Hz]	电流 Current draw [A] ($\pm 10\%$)	输入功率 Power input [W] ($\pm 10\%$)	转速 Speed [r/min] ($\pm 10\%$)	风量 (OPa) Airflow [m ³ /h] ($\pm 10\%$)	噪音 Noise [Lp:dB(A)]	绝缘等级 Insulati on class	电容 Capacitor [uF]
230	60	1.56	355	3000	3750	77	F	8

备注: 标称参数是单风机敞开运行。风量按我司风洞测量值; 噪音是在噪音房里, 轴水平放置风机,离风机进风口 1 米处测试。

Note: the nominal parameter is under the following situation in Fans-tech lab:Fan runs in open

operation. The airflow is measured in the wind tunnel, the noise is tested in a horizontal-position in the noise test room, with 1m distance to the air inlet of the fan.

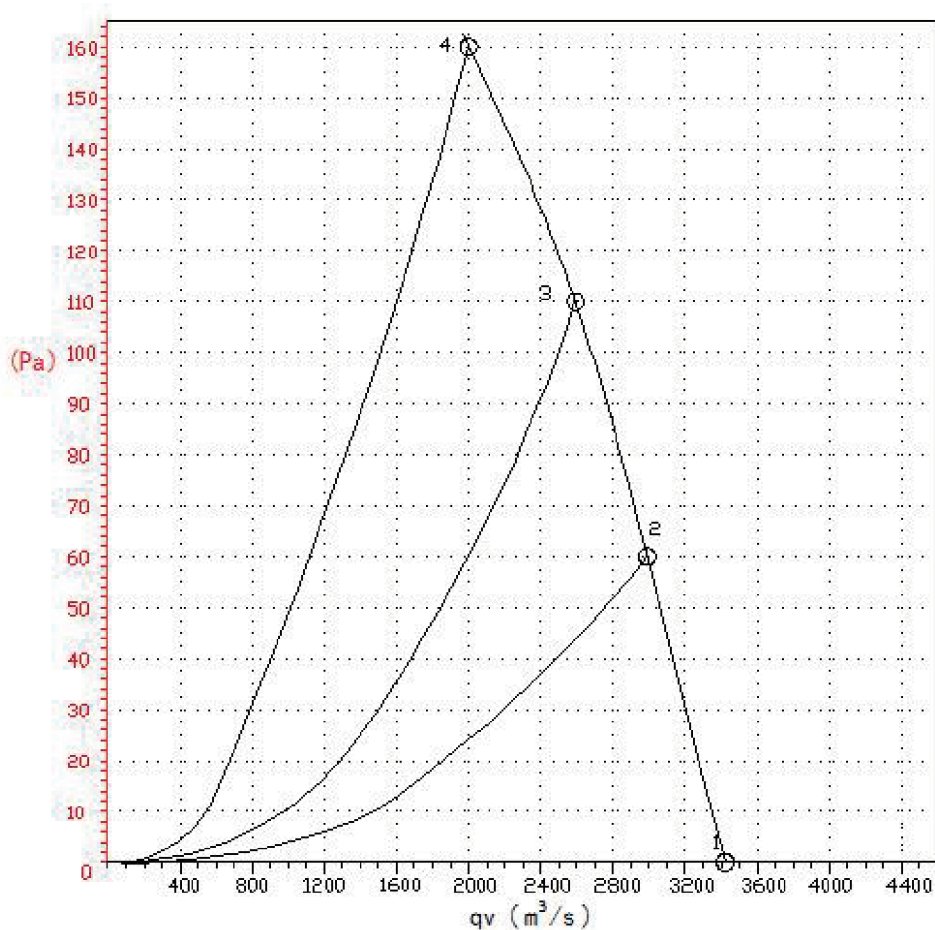
本产品满足在电压 220VAC~230VAC,频率 50Hz~60Hz 下运行。

This product is designed to operate at voltages from 220VAC ~ 230VAC and frequencies from 50Hz ~60H

7.2 特性曲线/Performance curve

7.2.1 电压 230VAC,频率 50Hz 时特性曲线

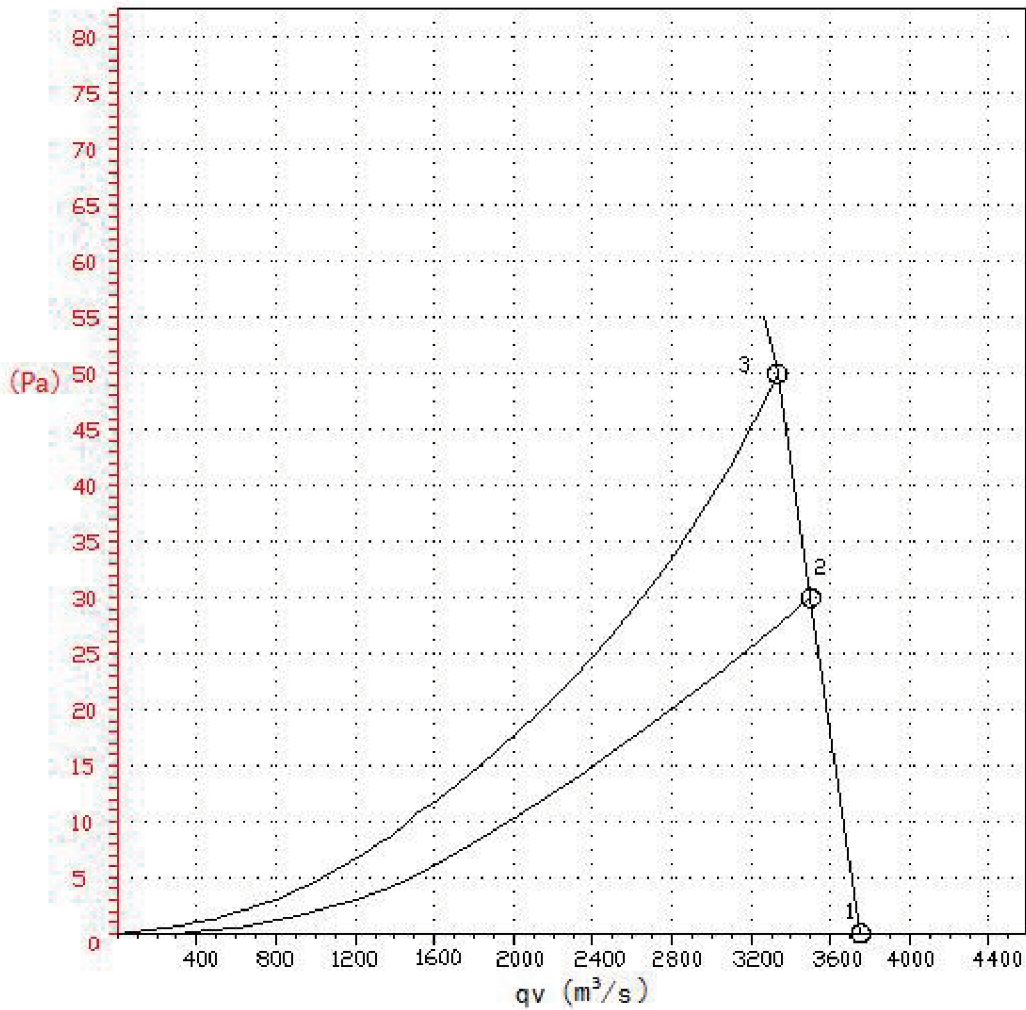
Performance curve at voltage 230VAC frequency 50Hz



	u	f	n	Pe	I	qv	Pfs
	V	Hz	r/min	W	A	M³/s	Pa
1	230	50	2705	225	1.1	3410	0
2	230	50	2678	254	1.12	2985	60
3	230	50	2620	273	1.21	2585	110
4	230	50	2545	298	1.32	2000	160

7.2.2 电压 230VAC 频率 60Hz 时特性曲线

Performance curve at voltage 230VAC frequency 60Hz



	u	f	n	Pe	I	qv	Pfs
	V	Hz	r/min	W	A	M³/s	Pa
1	230	60	3000	355	1.56	3750	0
2	230	60	2935	360	1.59	3500	30
3	230	60	2880	365	1.61	3330	50

8. 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 package must have a defined size and a suitable structure to ensure that the fan will not be damaged.