

产 品 规 格 书

PRODUCT SPECIFICATION

B4D450-209A-AT81后倾离心风机

Backward centrifugal fan

(400V/50Hz)

客户号(Customer): BJ-JCYM

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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 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》

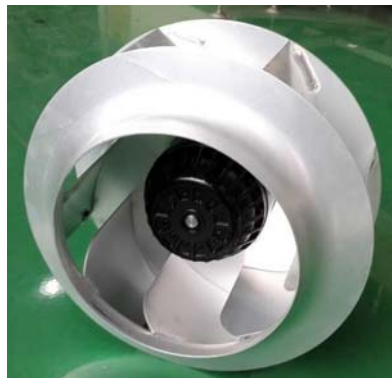
EN60335-1 《Household and similar electrical appliances-safety》

2.2 本产品通过 CCC、CE 认证

The fan has CCC、CE certificate

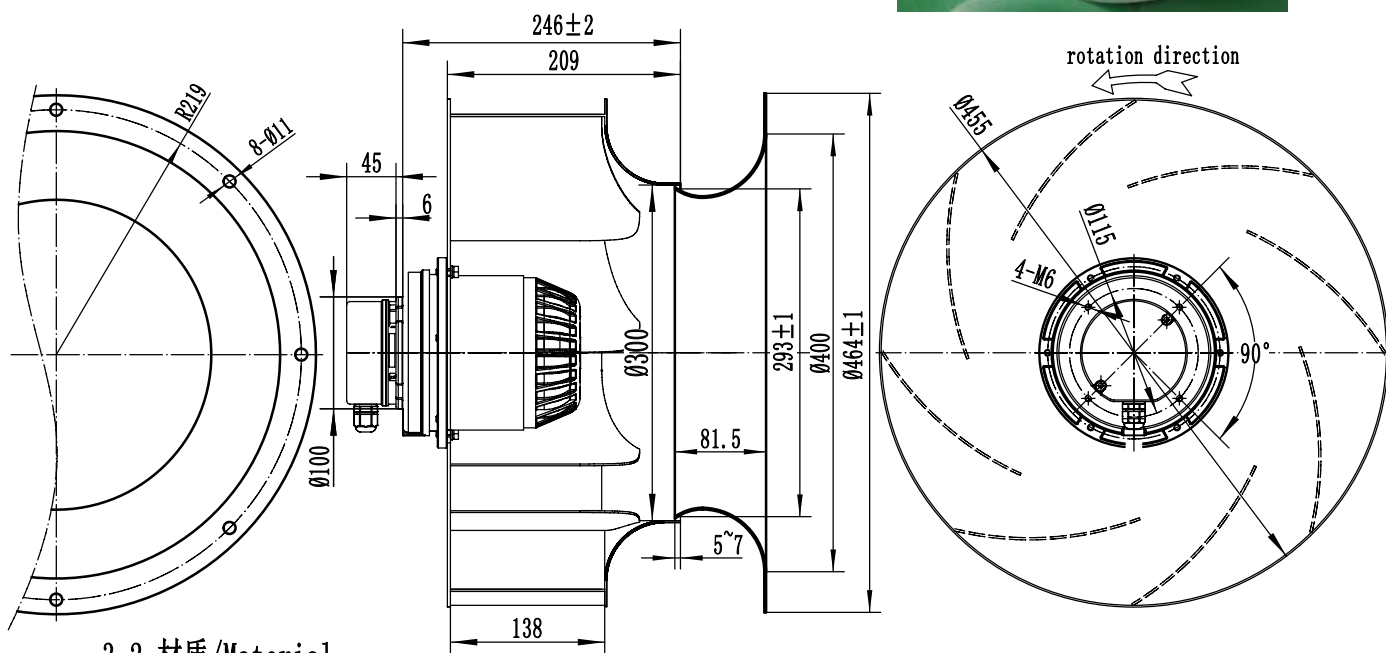
2.3 本产品全部材料符合RoHS要求

All material accord with RoHS.



3.0 机械要求/ Mechanical requirements

3.1 外形图/Dimension drawing



3.2 材质/Material

风轮铝镁合金, 转子铸铝

Impeller material:ALMG5052, Rotor: Aluminum Casting

3.3 电机/Motor

外转子交流电机/ External rotor AC motor

3.4 轴承

免维护滚珠球轴承/ Maintenance free ball berings

3.5 平衡/ Balancing

风机在额定电压和频率下运转时，每个端面动平衡精度不低于G6.3，符合标准JB/T9101。

At the rated voltage and frequency, the residual unbalance of the fan is not less than G6.3(balancing precision grade) in each plane, according with JB/T9101.

3.6 振动/Vibration of the fan

风机振动速度有效值按照JB/T8689标准规定。

Vibration speed virtual value of fans accord with JB/T8689.

3.7 跳动/ Runout of impeller

风轮轴向、径向跳动 $\leq 1.0\text{mm}$ 。

Runout of impeller in axial and radial direction $\leq 1.0\text{mm}$.

3.8 寿命/Life time

风机寿命估算值30000小时，（在额定电压、环境温度为20℃、风机全速运转时）

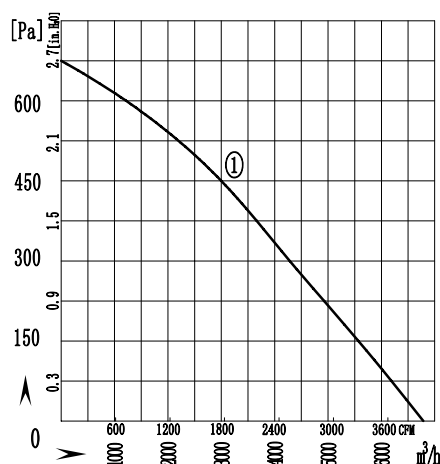
Fan life expectance 30000 hours, determined when at nominal supply voltage, running at full speed, environment temperature of 20℃.

4.0 风机性能/Fan performance

4.1 性能参数/Performance data

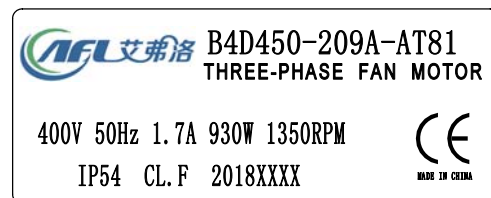
	Voltage	Frequency	Current	Input Power	Speed	Capacitor	Air Flow	Noise	Operating Temperature	Curve No.	Approvals
Model No.	V	Hz	A	W	rpm	μF	$\text{m}^3/\text{h}/\text{CFM}$	dB(A)	Min / Max(℃)	#	
B4D450-209A-AT81	380/400	50	1.7	930	1350	/	6700/3941	79	-30 / +60	①	CCC , CE, RoHS

4.2 特性曲线/Performance curve

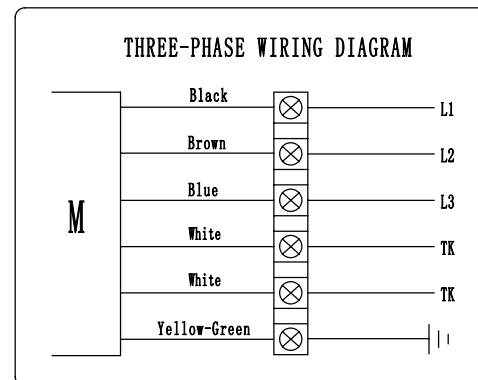
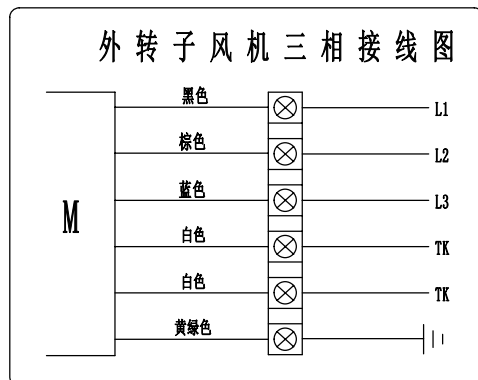


5.0 电气性能/Electrical performance

5.1 铭牌/Label



5.2 接线图/Wiring diagram



5.3 电压范围/Voltage range

风机设计的额定运行电压为380V，可运行的电压范围是342~418V，

The fan is designed to operate at a nominal voltage of 380V but can be operated in the AC supply voltage range of 342 to 418 V.

5.4 保护/Protection

电机有热保护功能，断开温度:150—160℃，复位温度:100—130℃

This motor with heat protection, cut off temperature: 150—160℃, replacement temperature 100—130℃

5.5 防护等级/Type of protection

风机的防护等级为IP54。

Type of protection is IP54.

5.6 绝缘等级: F

Insulation Class: F

6.0 质量要求/Quality requests

质量要求符合ISO9001:2000 / Quality requests accord with ISO9001:2000

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

7.0 使用和存储环境/ Operating and storing environment requirements

7.1 使用环境/ Operating environment requirements

使用温度范围/Operating temperatures from: $-30^{\circ}\text{C}\sim+60^{\circ}\text{C}$

使用湿度范围/Operating humidity from: 0%~95% RH

海拔高度/The altitude: $\leq 1000\text{m}$

7.2 贮存环境/Storing environment requirements

贮存温度范围: $-10^{\circ}\text{C}\sim+40^{\circ}\text{C}$, 贮存湿度范围: 0%~75% RH。

Storing temperatures from -10°C to $+40^{\circ}\text{C}$; Storing humidity from 0% to 75% RH.

8.0 包装和标识/ Packaging and marks

8.1 包装/Packaging

泡沫盒包装/Bubble chamber packaging

8.2 标识/Marks

制造商名称、产品型号、重量、尺寸等

Markings: Name of manufacturer, type of fan, date of manufacture, weight, Size etc.

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;

9.2 连接件要求/Annectent parts

端子/terminal(☐有/Yes、☒没有//No)