



产品承认书 / SPECIFICATION FOR APPROVAL

客户名称/CUSTOMER :
客户料号/CUSTOMER P/N. :
样品编号/SAMPLE NO. :
产品型号/MODEL NO. : AF17251B22UL
详细描述/DESCRIPTION. : 172×152×51mm
制作日期/ISSUE DATE. : 2023-07-13



客户确认签名 / CUSTOMER'S AUTHORIZED SIGNATURE:

签名/SIGNATURE

时间/TIME

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Thanks for your interest in our products. Please sign and return this page to us after confirming your approval.

版本记录 / REVISED RECORD

版本/REV	修改描述/REVISION DESCRIPTION	日期/TIME
A0	仅供参考	23.07.13

DRAWN.BY	CHECKED.BY ENG	APPROVED.BY VM	

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参数规格(PRODUCT SPECIFICATION)

A.一般规格(General Specification)

项目/ITEM		规格.条件/Specification Condition		
01	型 号 / Part No.	AF17251B22UL		
02	外型尺寸 / Dimension	172×152×51mm		
03	额定电压 / Rated Voltage	115VAC (50/60Hz)		115VAC (50/60Hz)
04	启动电压 / Start-up Voltage	110VAC (50/60Hz)		110VAC (50/60Hz)
05	操作电压 / Operating Voltage	220~240VAC(50/60Hz)		220~240VAC(50/60Hz)
06	额定转速 / Rated Speed	4000Rpm	±10%	a.额定电压 / Rated Voltage b. 25℃ and 65% RH c. Measured after 5 Mins
07	最大电流 / Maximum Current	0.30A	Max	
08	最大功率 / Maximum Power	28.0W		
09	额定风量 / Rated Airflow	289.61	CFM	a. 风洞测试仪/PQ Measurement Apparatus : (LW9266-SR) b. 标准/Standard : AMCA210-07 c. 额定电压/Rated Voltage d. 额定电流/Rated Current
		8.20	m³/min	
10	额定静压 / Rated Static Pressure	0.97	Inch-H₂O	
		241.45	Pa	
11	寿命预估 / Life Expectancy	70000hrs at 40℃		a.L10 at Conf. Level 90% b.额定电压 / Rated Voltage
12	噪音测试/Noise Level	58.4dB		a.额定电压/Rated Voltage b.无响室/Non-Echo Chamber c.标准/Standard:CNS 8753/ISO3744 d.Test Condition:ISO 7779 e.距离/Distance: 1.0M
13	马达类型/Motor Type	AF 交流变频马达/AC Frequency-Switching Fan		
14	回转方向/ Rotating Direction	顺时针/Clockwise （从标签面看/From Label side）		

B.电气规格(Electrical Specification)

项目/ITEM		规格.条件/Specification. Condition			
01	锁定扇叶保护功能 Locked Rotor Protection	☐	额定电压锁住扇叶 72 小时，解除锁定后风扇可以正常运转 /Locked the fan blade 72hours, after lock released, the fan can work normally		
		☒	额定电压锁住扇叶 1 秒后自动断电，2~6 秒后尝试重新启动/Auto power off after locked at rated voltage for 1sec After auto power off ,circuit attempt restart in 2 to 6sec		
02	绝缘阻抗 Insulation Resistance	500VDC 施加于引线 与外框间测量>100MΩ More than 100MΩ between lead wire and frame at 500VDC			
03	绝缘耐压 Dielectric Strength	引线 与外框间测量，1800VAC/5mA/3S 1800VAC/5mA/ 3s between lead wire and frame			
04	恒定转速功能 Constant Rotation Speed	风扇在额定电压区间内工作，转速恒定。 Within the operating voltage, the speed is constant			
05	保护功能 Circuit Protect	☒	软启动 / Soft Start	☒ 转速缓升 /Speed up	
06	特殊功能 Special Function	☐	故障告警 / RD	☐ 转速输出 / FG	☐ 调速 / PWM

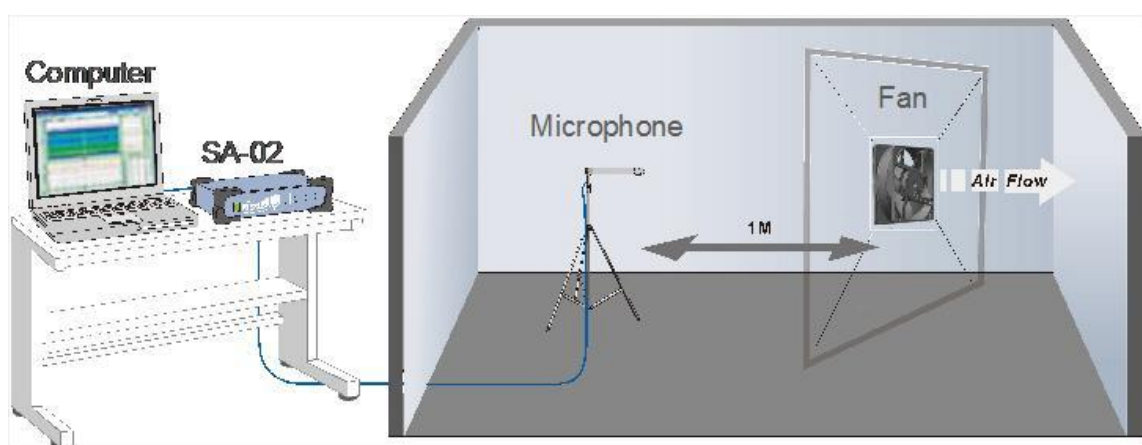
C.主要材料,零件规格(Main Materials, Parts Specification)

01	轴 承/Bearing	☒ 双滚珠轴承（Dual Ball Bearing）	☐ 含油轴承（Sleeve Bearing）	
02	外框材质/Frame	☐ PBT of UL94V-0.	☒ Die-cast Aluminum Alloy	
03	扇叶材质/Impeller	☒ PBT of UL94V-0.	☐ Steel	
04	绝缘套/Bobbin	☒ PBT of UL94V-0.		
05	接线方式 /Connection Type	☒ 引线/Wire	☒ Black(N) ☒ Black(L) ☐ Brown(E)	400±15mm UL1007 20#
		☐ 插片/Terminal	☐ White(R D) ☐ Yellow(FG) ☐ Blue(PW M)	
06	端子/Connector	无/No		
07	套管/Tube	☒ Heat shrink tubing/热缩套管 加 ϕ 3.0 热缩套管 110 ^{+1.5} _{-1.0} mm/靠 PCB 板处 10mm 热缩		
08	防护处理/ IP level	IP55	IPXX protection verification is focused on motor and PCB, not for power connector and pin housing	

D.环境测试/Environmental Specification

项目/ITEM		规格.条件/Specification. Condition	
01	防潮处理 Moisture Protection	PCBA Conformally Coated Against Moisture Ingress	
02	运转温度、湿度范围 Operating Temp. Range	温度/Temperature	: -25 °C ~70°C
		湿度/Humidity	:15%~ 90% RH (Frost Eliminated)
03	保存温度、湿度范围 Storage Temp. Range	温度/Temperature	: -40 °C ~70°C
		湿度/Humidity	:15%~ 90% RH (Frost Eliminated)

E.噪音测试条件/Noise Measure Condition



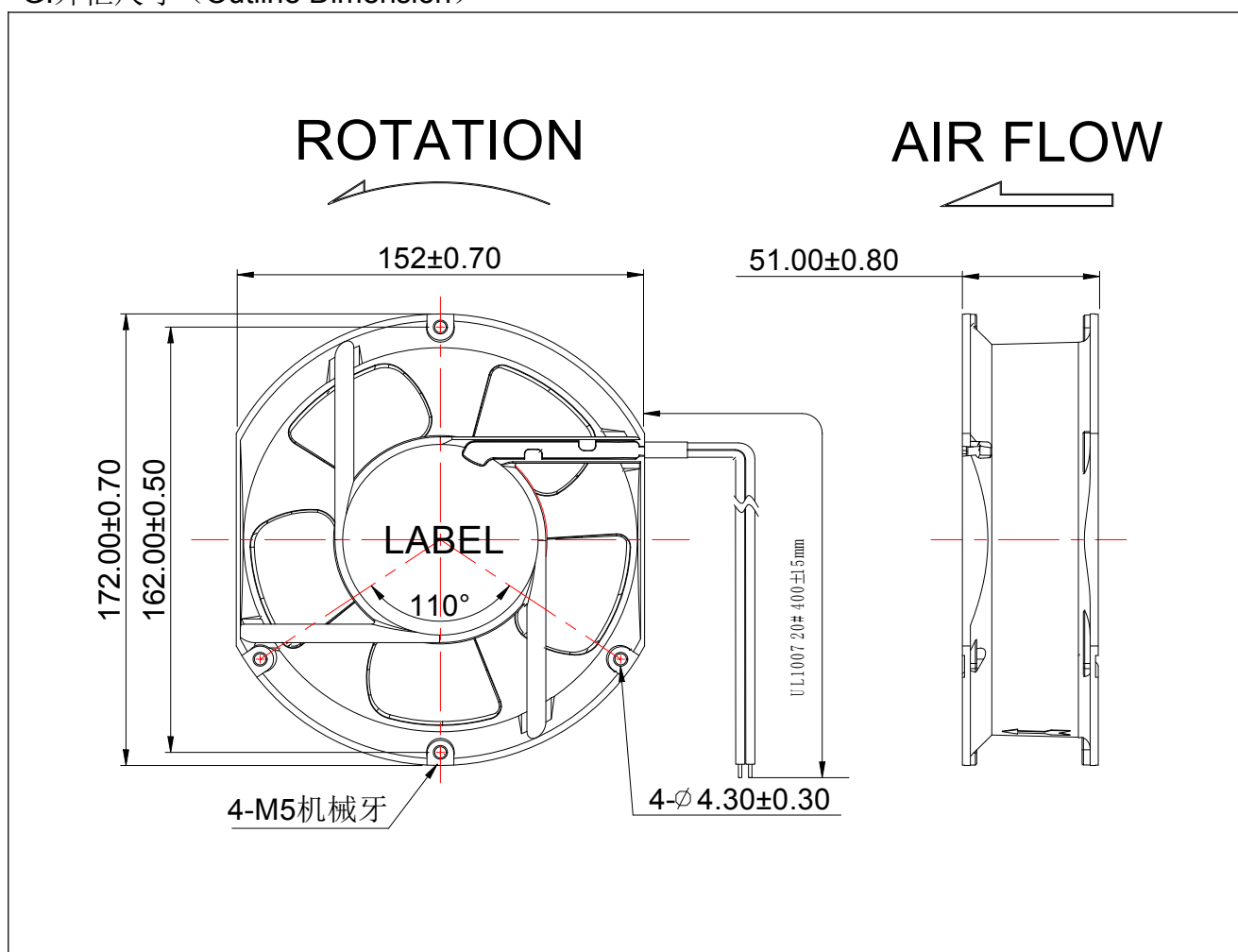
测量系统/Masurement Systems

1. ANECHOIC Room Noise Measurement System
2. Rion SA-02 4-Channel Signal Analyzer, U-57 Microphone
3. Specifications: ISO 3744,ISO 3745,ISO 7779, CNS6753,JIS 8346
4. Background Noise:< 16dB(A)

F. 商标 (Label Marking)

	型号/Model No.	AF17251B22UL
	额定电压/Rated Voltage	115VAC (50/60Hz)
	最大功率/Maximum Power	28.0W
	标签尺寸/Label Size	Φ73 mm
	商标颜色/Label Color	黑色/Black
	安规/Safety Approvals	CE UL
	附加码/Appendix Code	无/No

G. 外框尺寸 (Outline Dimension)



注意事项/Note:

1. 我们提供的产品应在规格书指定的条件内使用，如果您的应用超出规格极限，我们对此不保证产品质量。
Our products should be used within the specification appointed condition, so we will not guarantee this product quality if your application exceeds the limitations outlined in this specification.
2. 除非事先通知我们所需参数，否则出货产品与此份规格书一致，未在此份规格书中指定的参数与贵公司最终承认的样品相同。Product will be shipped in accordance with this specification unless we has been previously notified of parameters requiring exception, if parameters which are not specified in this specification.
3. 不适当的安装可能产生刺耳的共振，振动和噪音，安装时, 请不要在安装点用力过度或用力不均以免造成振动或噪音。在安装点装置减振器，可有效降低噪音及振动。Improper mounting may cause harsh resonance, vibration and noise. Please mount this fan motor properly without applying excessive or uneven force at the mounting points to avoid vibration and noise. Dampers at the mounting points can reduce noise and vibrations greatly.
4. 建议安装风扇保护罩，以免对人员造成意外伤害。Please use fan guards to avoid personal accidental injuries.
5. 除非IP等级中有特殊说明，否则该款风扇只能在正常环境下操作。Unless this fan motor is specified for use in abnormal environments designated by IP rating level, this fan is designed to operate under normal environmental conditions.
6. 请避免将M-FAN系列产品接触有毒物质 如：（有机物、氰、福尔马林、苯酚等）。以及在腐蚀性气体环境中使用 如：（硫化氢、二氧化硫、二氧化氮等）。Please avoid operating M-FAN's products in poisonous material(organic, cyanogens, formalin, phenol, etc.)or corrosive gas environment(H₂S, SO₂, NO₂,etc.)
7. 当风扇在灰尘环境中使用时，请在风扇进风口处安装过滤装置以延长风扇使用寿命。Please use filters to clean the air-intake in very dusty air environments for extended fan life.
8. 在保证产品性能及寿命 变，或者得以提升的条件下。除非事先约定，我们保留使用同等规格多种来源零件的权利，原材料和结构的变更不做预先通知。Unless prior agreement, We reserve the right to use components with equivalent specifications from multiple sources, so material and construction are subject to change without advance notice.
9. 请确保风扇在规定的温湿度储存环境中，如果风扇存储6个月以上，我们建议客户测试风扇功能后再使用。Always ensure that fans are stored according to the storage temperatures specified. Do not store in a high humidity environment. If the fans are stored for more than 6 months, we recommend functional testing before using.
10. 确定在连接和断开连接器之前关掉电源，避免产生电子零件短路。Make sure to turn off the power before connection or disconnecting the connectors. This may cause short of electronic parts.