东莞市润达散热风扇有限公司
Dongguan RUNDA Cooling Fan Co.,Ltd.

产品承认书(Specification for Approval)

版本/REV：A0

客户名称(Customer)：_____

品　　名(Part Name): DC Brushless Fan

料　号(Material No.)：_____

规格型号(Model No.): RB9733B24SH-S

样品数量(Quantity)　：_____

日　　期(Date)　　：2026-04-03

客户	
客　户　审　核　CUSTOMER APPROVED	**客　户　确　认**　CUSTOMER CHECKED

供应商		
批准 APPROVED BY	审核 CHECKED BY	**制作** MADE BY

供应商：

东莞市润达散热风扇有限公司

SUPPLIER：　Dongguan RUNDA Cooling fan Co., Ltd.

地址：东莞市塘厦镇平山村宝岭路 371 **号**

ADD：No.371 Baoling Road, Pingshan Village, Tangxia Town, Dongguan City

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变更记录 / CHANGE RECORD		
版本/REV	**修改描述**/REVISION DESCRIOTION	**日期**/TIME
A0	**首次制作**	2026.04.03

1.一般特性(General Characters)			
项目 Item	描述 Description		测试条件 Condition
1-1.外形尺寸 Dimension	97 x 97 x 33 （mm） 长 * 宽 * 高		
1-2.轴承 Bearing Type	1.☑ 双滚珠轴承 Two Ball Bearing	2.☐ 长寿命含油轴承 Long life sleeve Bearing	3.☐ 含油轴承 Sleeve Bearing
1-3.额定电压 Rated Voltage	24V		
1-4.操作电压 Operating Voltage	15V~27V		VCCIN
1-5.启动电压 Start-up Voltage	14V		VCCIN ; 25℃ Power ON/OFF
1-6.额定电流 Rated Current	0.60 A	+20%	A.At Rated Voltage B.25℃ C.65%RH D.Measured after 5minutes
1-7.额定功率 Rated Power	14.40 W		
1-8.额定转速 Rated Speed	5500 R.P.M	± 10%	
1-9.最大风量 Max. Air Flow	Typ:33.34 Min:30.01	CFM	A.PQ Measurement Apparatus B.Standard: AMCA C.Rated Voltage D.Rated Current
1-10.最大静压 Max.Static Pressure	Typ:28.66 Min:23.22	mmAq	
1-11.噪音 Noise level	Typ:55.12 Max:57.88	DB(A)	A.Rated Voltage B.Mute Room C.Distance:1M D.Background Noise:<18dB
1-12.寿命预估 Life Expectance	70000hrs at 40℃ 相对湿度 15%～65%RH		L10 Failure Criteria: A.Speed:Under15% of original value B.Current:Over15% of original value C.Fan not run
1-13.马达极数 Pole	4 Poles		
1-14.旋转方向 Rating Direction	Clockwise 顺时针		From the label side/从商标面看
1-15.其他特点Other Features	Tachometer Output 测速计输出		☐
	Lock Rotor Alarm 锁定报警		☐
	LD Rotor Alarm 寿命报警		☐
	Auto start 自动重启		☑
	Soft Start 软启动		☑
	Speed Control Mode 速度控制		☐

	Protection level 防护等级	IP21

2. 电气特性(Electrical Characters)

项目 Item	条件 Condition
2-1.锁定扇叶保护功能 Locked Rotor Protection	☐ 安规条件 Safety Condition
	☑ 额定电压下风扇被锁定 1-3 秒时，自动断电，并在 2 至 6 秒内自动尝试启动，锁住扇叶 72 小时无损坏。Auto power off after locked at rated voltage for 1-3sec. And then circuit attempt to restart in 2 to 6 sec.There is no damage after 72hours locked.
2-2.极性保护 Polarity Protection	☑ Vcc 与 GND 反接时，不导通 Open circuit when Vcc&GND are exchanged.
	☐ 无反接保护/No Polarity Protection
2-3.绝缘阻抗 Insulation Resistance	At least 10MΩ at 500 VDC between housing and both lead wires.
2-4.绝缘耐压 Dielectric strength	Withstand 500 VAC 1 minute 1mA between housing and both lead wires.
2-5.绝缘等级 insulation grade	CLASS A

3. 噪音测试 Noise Test

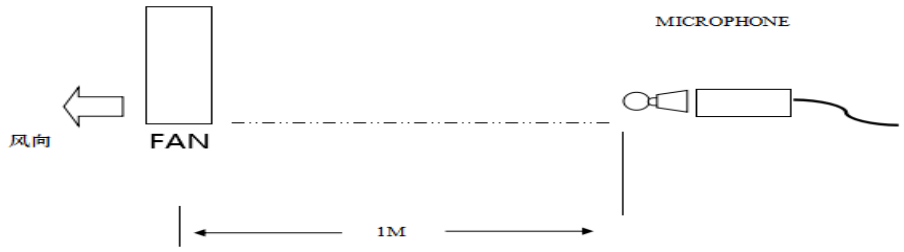
测试依照标准 ISO3745 执行 This test executes to ISO3745 standard

测试设备 Test Equipment:

AW6269 双通道噪音频谱分析仪　　AW6269 double channels noise Spectrum Analyzer

测试条件 Test Condition	测试方法 Test Method
A.温度 Temperature:　26　℃ B.湿度 Humidity:　62　%RH C.额定电压 At Rated Voltage D.额定转速 At Rated Speed	A.测试位置 Test Position: 180° B. 测试距离 Test Distance: 1.0M From the fan intake C.背景噪音 Background Noise: ＜18dB(A)

噪音测试方法示意图（Schematic diagram of noise test method）：



4.环境要求 Environmental Specification	
项目 Item	条件 Condition
4-1.运转温度，湿度范围 Operating Temp. Humidity Range	环温 Temperature: -10~+70℃
	湿度 Humidity : 15%~90%RH
4-2.保存温度，湿度范围 Storage Temp. Range	环温 Temperature: -40~+85℃
	湿度 Humidity : 15%~90%RH

5.主要物料规格 Specification of Main Material

6.有害物质含量声明 The criteria of content of fan's material as below

Item	Material/Substance	Standard Reference	Criteria
1	Pb	ROHS	<1000ppm
2	Hg	ROHS	<1000ppm
3	Cd	ROHS	<100ppm
4	Cr VI	ROHS	<1000ppm
5	PBB	ROHS	<1000ppm
6	PBDE	ROHS	<1000ppm
7	DBP	ROHS 2.0	<1000ppm
8	BBP	ROHS 2.0	<1000ppm

5-1.外框材质 Frame	☑ PBT UL94V-0 ☐ Aluminum（铝合金）
5-2.扇叶材质 Propeller	PBT UL94V-0
5-3.绝缘架 Bobbin	PBT UL94V-0
5-4.中管材质 Central pipe	☑ PBT UL94V-0 ☐ Aluminum（铝合金） ☐ CU 黄铜
5-5.导线 Lead wires	☑Red(+)红 ； ☑Black(-)黑， 1、规格：UL1007#24AWG 框外线长：1500 2、套管：/ 3、热缩管直径 f（ / ）
5-6.端子 Connector	规格：/ 线序：/

公差：±20
UNIT: mm

5-7. 商标 Label Marking

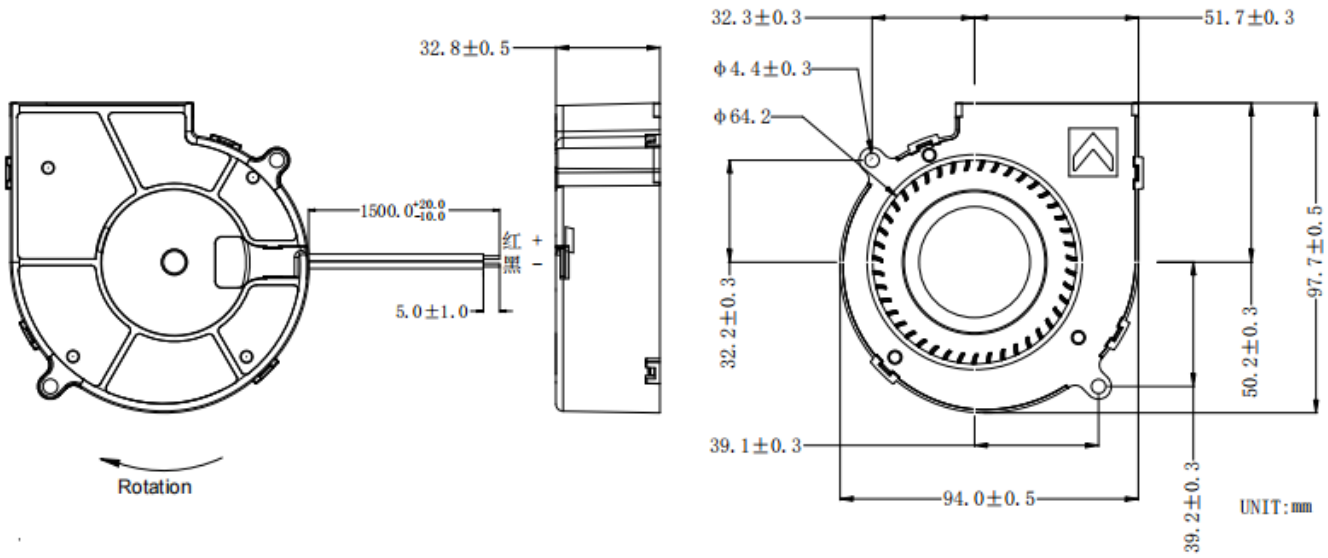
样式图 Style diagram:



(1)型号/Model No:	RB9733B24SH-S
(2)额定电压/Rated Voltage:	DC 24V
(3)安规电流/Safety Current:	0.60A
标签尺寸/Label Size	Φ35
(4)安规/Safety Approvals	CE TUV
(5)生产代码：Production code	Y+M+DD+XX

9	DEHP	ROHS 2.0	<1000ppm
10	DIBP	ROHS 2.0	<1000ppm
本产品符合 RoHS2.0 标准。This model is RoHS 2.0 compliant.			

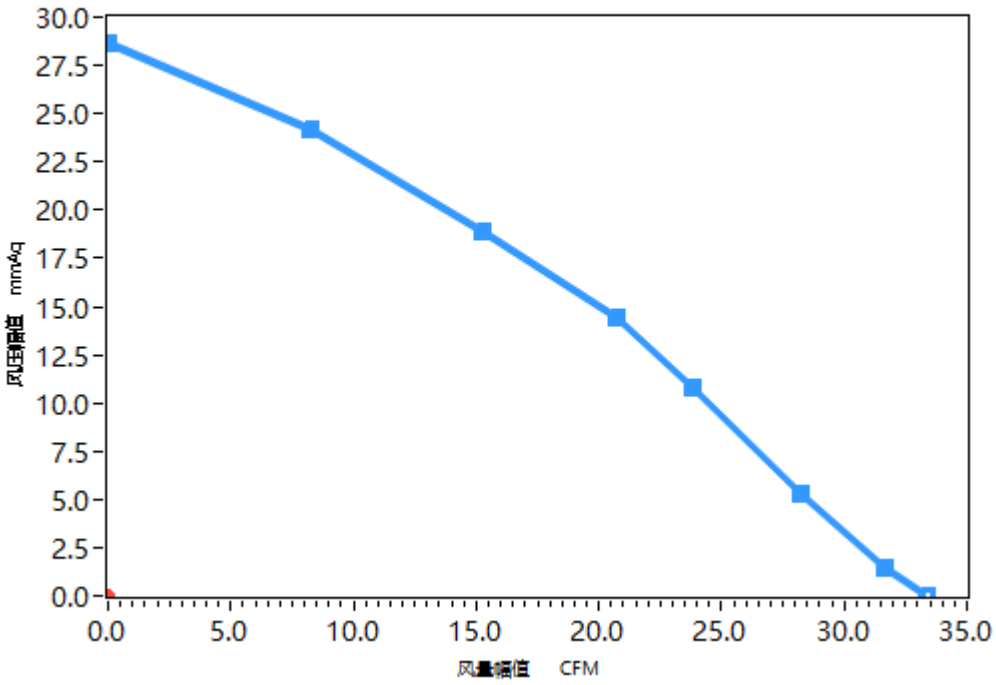
7.尺寸图 Dimension Drawing



8.P-Q 特性曲线测试 P-Q Characteristic curve test　　标准/Standard : AMCA210

测试条件及方法（ Test conditions and methods）
额定电压　At Rated Voltage
大气压力（Barometric Pressure）：752.4 mmHg
相对 湿度（Relative Humidity）：66.825%
测试温度（Temperature）：25°

P-Q Curve （PQ曲线图）



9.备注 Note

9-1. 使用时请勿超出本规格所规定之极限，否则我们不保证此产品。

We will not guarantee the products if the application of our products are exceeded the limitation which is specified on this specification.

9-2.倘若要变更此份文件的任何规格，请务必事先提出需求，否则做货参数符合此规格书承诺。

If you want to change any specifications of this document, please be sure to put forward the requirements in advance, otherwise, the manufacturing parameters meet the promise of this specification.

9-3.在保证产品性能及寿命不变，或者得以提升的前提下。除非事先约定，我们保留使用同等规格或多种来源的权力，原材料和结构的变更不做预先通知。

On the premise that the product performance and service life are unchanged or improved. Unless agreed in advance, we reserve the right to use the same specifications or multiple sources, and the change of raw materials and structures will not be notified in advance

9-4.除非 IP 等级中有特殊说明，否则此款风扇只能在正常环境下操作。

Unless there are special instructions in IP, etc., this fan can only operate in normal environment

9-5.不适当的安装可能产生刺耳的共振音，安装时请不要用力过度或者用力不均以免造成震动或其他噪

音，建议在安装点增加减震的有关材料，这样可有效的降低振动及噪音。

Inappropriate installation may produce harsh resonance sound. Please don't use excessive force or uneven force during installation to avoid vibration or other noise. It is recommended to add relevant materials for shock absorption at the installation point, which can effectively reduce vibration and noise.

9-6.当搬运或作业中需要小心。未能适当的注意可能会导致风扇的某些部件损坏，如果因此损坏了线圈和导线，将会有可能导致烟雾/或火灾。

Be careful when handling or working. Failure to pay proper attention may cause some parts of the fan to be damaged. If the coil and wires are damaged as a result, it may lead to smoke and/or fire.

9-7.建议在应用此产品的时候添加保护电路，例如热保险丝、电流保险丝或热保护器。不使用此类装置可能会导致烟雾、火灾、电击，原因如下 电机引线短路、过载或过压情况下的绝缘退化和/或其他故障。

It is recommended to add protection circuits, such as thermal fuse, current fuse or thermal protector, when applying this product. Failure to use such devices may lead to smoke, fire and electric shock, due to the following reasons: short circuit of motor leads, insulation degradation and/or other failures in case of overload or over voltage.

9-8.当风扇在运转时，请不要触摸叶片，这样非常危险，容易伤害到您的手指。

Please don't touch the blade when the fan at full speed running , be careful your fingers!

9-9.如有特殊应用，请告知 RUNDA，RUNDA 将全力配合您定制方案。

If there is any special application, please inform RUNDA that RUNDA will fully cooperate with your customized scheme.