



# 深圳市胜丰宏电子有限公司

## APPROVAL SHEET

Customer: .....

Customer P/N: SFB 4010B2H5 鼓风机 .....

Description: DC FAN .....

Model NO.: SFB 4010B2H5 .....

Version.: A Issue NO.: SF240203

Issue date: 2024-02-03 Quantity: 2PCS .....

\*Please sign back this specification for our record upon your approval.

Thanks!

Company Stamp	CUSTOMER APPROVAL Stamp
制作: 胡超	承认:
复核: 郭自义	核准:
核准: 李长江	日期:

工厂地址: 东莞市清溪镇东寓一街2号1单元1栋3楼

公司电话: 13714729189 传真: 22636467

免费咨询和订购热线: 400-9920-988 官方网站 <http://www.fancool.net/>

## 1.0: 一般规格 (General Specification)

项目 (Item)		规格/条件 (Specification/Condition)	
1	型号(Model No.)	SFB 4010B2H5	
2	外型尺寸(Outline. Dimension)	40*40*10	
3	工作电压 (Operating Voltage)	DC 3.5-6.5V	
4	额定电压(Rated .voltage)	DC 5.0 V	
5	起动电压 Starting Voltage	DC ≤3.5V on/off	
6	额定电流(Rated current)	0.19A±15%	a. 额定电压(Rated .voltage) b. 25℃ 65% RH C. After testing for 5 minutes
7	消耗功率(Power consumption)	0.95W±15%	
8	转速 (Speed)	6200RPM±15%	
9	最大风量: (Max Airflow)	2.03CFM	a. 额定电压(Rated .voltage) b. AMCA 标准 (Standard) C. 额定电流(Rated current)
	最大静压: (Air .Static Pressure)	7.17mmH2O	
10	最大噪音 (Max Noise)	Max:29.30Db-A	a. 额定电压 (Rated Voltage) b. 18dB无响室 (18dB Non-Echo Chamber) c. 标准 (Standard):CNS 8753 / ISO 3744 d. Test Condition :ISO 7779 e. 距离 (Distance): 1.0 M
11	Life expectancy(期望寿命)	60000 hrs at temp40℃ Humidity5%-95%	MTTF (Mean Time To Failure) Conf. Level 90%)
12	扇叶数 (No.of.Blade)	涡轮叶	
13	极数 (No.of.Pole)	4 极	
14	运转方向 (Rotating Direction)	逆时针/运转方向是从扇叶面看	
15	锁住保护 Lock Protection	<input type="checkbox"/> 无 NO	
16	极性保护 Polarity Protection	VCC与GND反接时 不导通 Open circuit when Vcc & GND are exchanged	
17	过流保护 ( Over current protection)	<input type="checkbox"/> 无 NO	
18	恒速功能 fixed constant speed Function	<input type="checkbox"/> 无 NO	
19	PWM 功能 PWM function	<input type="checkbox"/> 无 NO	

## 2.0:主要材料/零件规格 (Main Materials/parts Specification)

材料/零件 ( Materials/parts)		规格(Specification)	
1	塑料材料/扇叶 外框 (Plastic Material/Blade,Housing)	PBT:94-V0 黑色方框涡轮叶	
2	轴承 (Bearing Type)	滚珠轴承 (Ball Bearing)	
3	引线 (Lead Wire)	1571/28#/2.0-2P 正端 /框外 115mm±10MM 黑红分线	
4	端子 (Connector)	黑(GND)	红(VCC)
5	环保要求 (Environmental Requirement)	☑ROHS	☑fireproof

### 3.0 電性規格 ( Electrical Specifically )

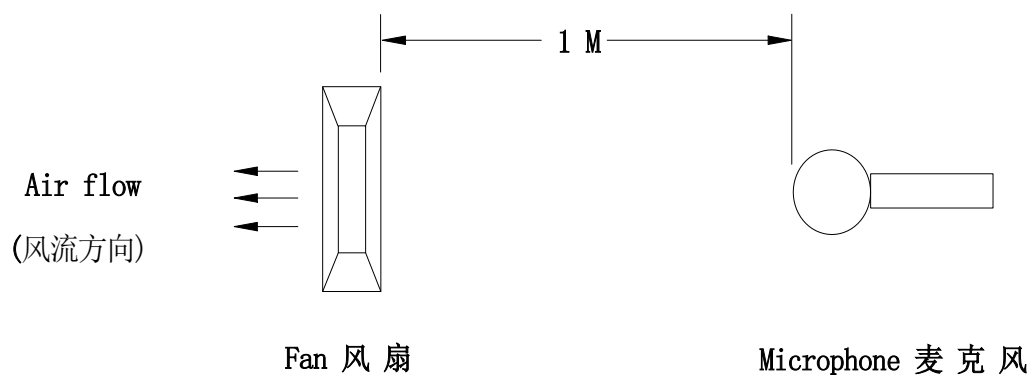
1	绝缘阻抗 Insulation Resistance	10MΩ/裸线与外框间测量, 500VDC/min 10MΩ/between unshackled wire and frame at 500VDC/min
2	绝缘耐压 Dielectric Strength	5Ma Max./导线与外框间测量, 500VAC/min 5Ma Max./Measured between lead wire(+)and frame at 500VAC/min
3	防水等级 Waterproof level	IP X0

### 4.0 环境测试 ( Environmental Specification )

1	运转温/湿度范围 Operating Temp .Range	温度/Temperature:-10°C - +70°C 湿度/Humidity:5% - 95%RH
2	保存温/湿度范围 Storage Temperature	温度/Temperature:-40°C - +75°C 湿度/Humidity:5% - 95%RH
3	耐湿性 Humidity	电气规格依据 MIL-STD 202F Method 103B 湿度: 95%RH 温度: 40±2°C
4	热冲击 Thermal Shock	电气规格依据 MIL-STD 202F Method 107D Per MIL-STD 202F Method 107D,Condition D
5	绝缘阶段 Insulation Shock	UL: A 级 UL: Class A
6	包装耐振动试验 Packing Vibration Test	包装后, XYZ 三方向施 1.1G load vibration test for 30min .No serious damage
7	包装耐冲击试验 Packing Shock Proof Test	捆包后, 高 60 公分, 1 棱角 3 边 6 面自然落下, 无严重损坏. 1comer,3edges, 6faces natural drop from 60cm high packing No serious damage

## 5.0 在无响室额定电压下之噪音测试

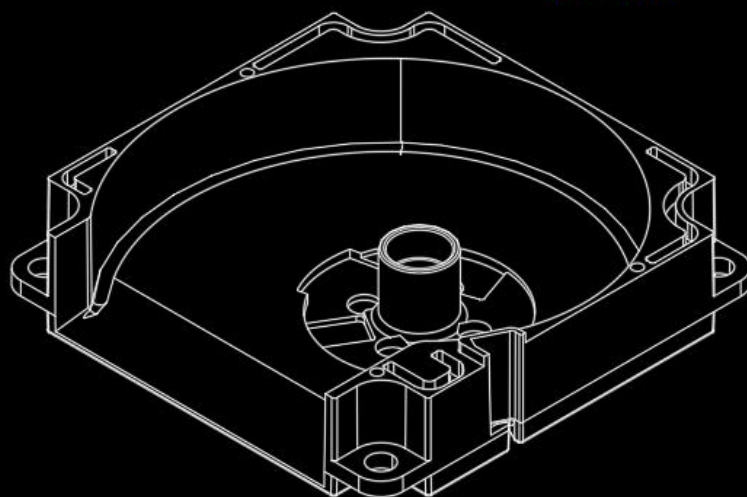
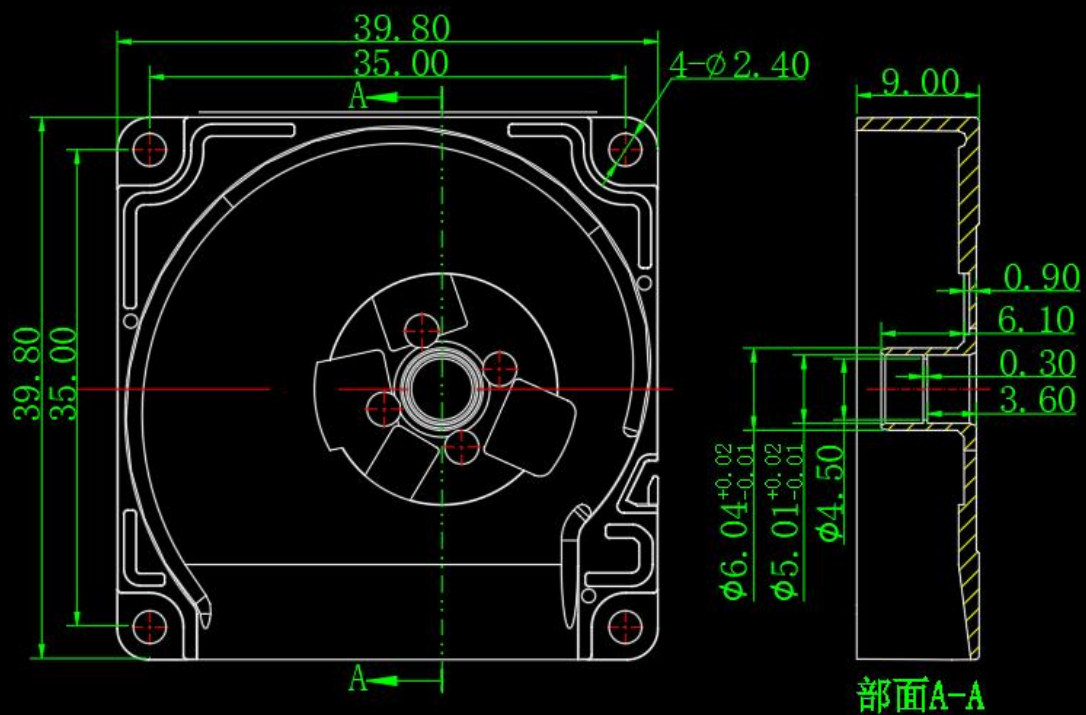
(Noise is measured at rated voltage in anechoic chamber)



(在背景噪音不超过 18dB (A) 的无响室内，将待测风扇通入额定的工作电压，悬掉入空中，将麦克风放于风扇同一平面且离待测风扇进风口一米处进行测试其 B&K 值)

Noise is measured rated voltage in free air in anechoic chamber with B&K sound level meter with microphone at a distance of one meter from the fan intake. The background noise is 18Db(A) max.


6.0 涡轮外形尺寸图：



7.0 测试检测要求 (test condition):

取储存状态的风扇，置于 25℃室温下，静置 24 小时，竖立放置。接电 5 分钟后进行测试工作。  
Take the fan in storage state, place it at 25 °C room temperature, stand for 24 hours, and place it upright. Carry out the test 5 minutes after power on.

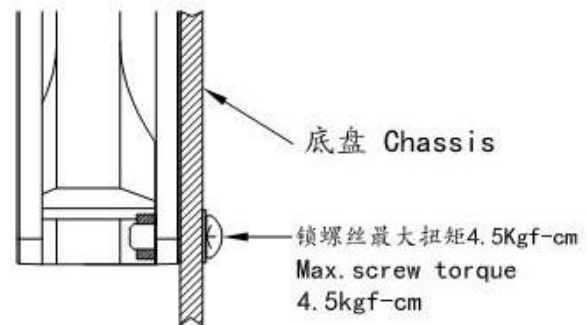
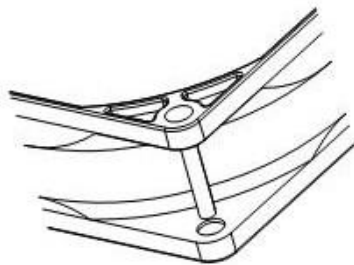
8.0 商标 (Label Marking)

	型号/Model No.	SFB4010B2H5
	额定电压/Rated Voltage	5V DC
	标签电流/Label Current	0.20A
	标签尺寸/Label Size	直径 20MM
	说明/Explain	标签电流标识最大电流
	安规/Safety Approvals	CE
	附加码/Appendix Code	无/No

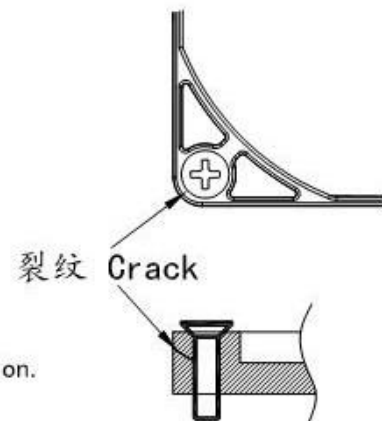
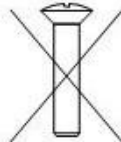
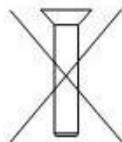
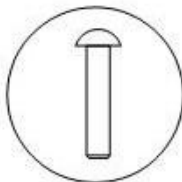
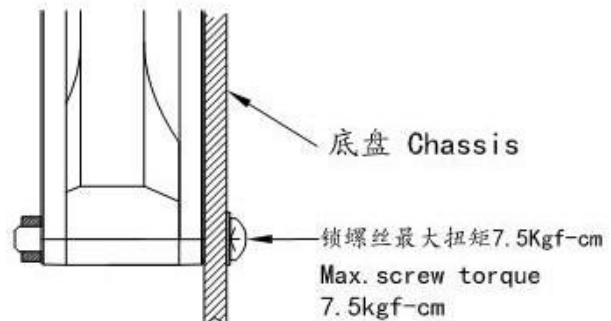
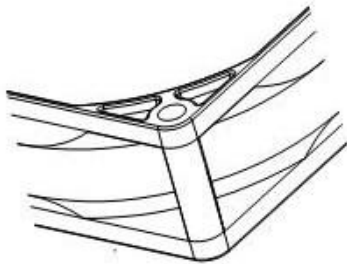
9.0 风扇安装方式及螺丝扭矩建议

Suggestions for fan installation and screw torque

\* 法兰框架 Flange Frame



\* 肋骨框架 Rib Frame

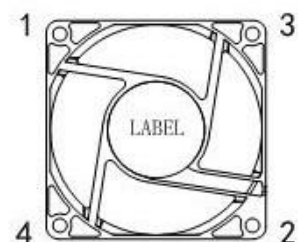


\* 考虑到车架裂纹，禁止使用锥度螺钉。

Taper screw is prohibited for frame crack consideration.

\* 螺丝锁紧使用交叉、分步紧固方式，一般分两次紧固，第一次使用规定扭矩的30%，如图依次紧固1→2→3→4四颗螺栓，确定风扇锁平后，第二次使用规定扭矩100%锁紧螺栓。

Screw locking adopts cross and step-by-step tightening method, which is generally tightened in two times; 30% of the specified torque is used for the first time, and four bolts 1 → 2 → 3 → 4 are tightened successively as shown in the figure. After the fan is locked flat, 100% of the specified torque is used for the second time.



★注意事项 Note:

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.

2. 倘若要变更此份文件的任何规格，请务必事先提出需求。

In case of changes of the specification specified on this document. A written notice is requested in advance.

3. 请勿触压着叶片以及电源线缠绕着风扇或用力拉扯电源线，如此轴心与电源线将会被损毁。

Please do not touch the impeller with the pressure and never bring the fan with lead wire. The bearing and lead wire may be damaged.

4. 本产品不保证因粉尘、水滴、小虫进入，而影响寿命与不良品产生。

No guarantee on the products against the safety problem or failure caused by powder dust, drop of water or insect.

5. 如有任何资料及文件与此份资料不同，将以此份资料为主要参考。

If there is any data or related documentation different from this data sheet. This data sheet is the principle reference.

6. 请勿在可燃性气体与任何有害环境中使用。

Please do not use the fan in the environment of corrosive gas or liquid or any detrimental gas.

7. 组装风扇时，请特别注意，因共振或振动产生的噪音。

During the installation of the fan, please pay substantial attention to possible notice caused by resonance vibration and shock.

8. 当搬运或作业中，风扇如从 60cm 的高度落下，将会对叶片的平衡产生若干影响，特别是滚珠轴承避免掉落。

It is very important to notify that avoid to drop from 60cm height when in any movement or operation, it will impact the balance of blade. Especially ball bearing structure is avoided to drop down.

9. 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!





This certificate is responsible for testing sample only.  
Please refer to this corresponding test report to get testing process and data.

# CERTIFICATE

## ATTESTATION Certificate of Compliance

Technical file of the company mentioned below has been inspected and audit has been completed successfully

The EMC Directive 2014/30/EU has been taken as references for these processes.

Certificate's Holder : SHENZHEN SHENGFENGHONG ELECTRONICS CO., LTD.  
Address : Third floor, building a, Hetai Industrial Park, NO:6, Datang North Road, Xiawei village, Zhutang, Fenggang town, Dongguan City, China  
Manufacturer : SHENGFENGHONG ELECTRONICS CO., LTD.  
Address : No.1-2205 Yabao Rd., Bantian , Longgang Distict, Shenzhen, China  
Product Name : cooling fan  
Product Model (S) : SF12038, SF1504, SF1805, SF2006, SF2010, SF2507, SF2510, SF3007, SF3010, SF3507, SF3510, SF4007, SF4010, SF4015, SF4020, SF4028, SF4056, SF5010, SF5012, SF5015, SF5020, SF6010, SF6015, SF6020, SF6025, SF6038, SF7010, SF7015, SF7020, SF7025, SF7030, SF7530, SF8010, SF8015, SF8020, SF8025, SF8038, SF8076, SF9010, SF9015, SF9025, SF9038, SF9215, SF9225, SF9238, SF9733, SF10025, SF11025, SF12025, SF12032, SF14025, SF14038, SF15050, SF16038, SF16050, SF17238, SF17250, SF17251, SF18060, SF20060, SF22060, SF25489  
Trade Mark : N/A  
Related Directive : 2014/30/EU  
Related Standards : EN 55032:2015 + A1:2020 + A11:2020  
EN 55035:2017 + A11:2020  
Certificate Number : HK2109183572E  
Report No. : HK2109183572-1ER  
Registration Date : Sep. 24, 2021



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Shenzhen HUAKE Testing Technology Co., Ltd.

Add.: 1-2/F., Building B2, Junfeng Zhongcheng Zhizao Innovation Park, Heping, Fuhai Street, Bao'an District, Shenzhen, Guangdong, China  
Tel.: +86-755-2302 9901 Http:// [www.cer-mark.com](http://www.cer-mark.com) Postcode: 518103 E-mail: [service@cer-mark.com](mailto:service@cer-mark.com)



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Product Name : cooling fan  
SF12038, SF1504, SF1805, SF2006, SF2010, SF2507, SF2510, SF3007,  
SF3010, SF3507, SF3510, SF4007, SF4010, SF4015, SF4020, SF4028,  
SF4056, SF5010, SF5012, SF5015, SF5020, SF6010, SF6015, SF6020,  
SF6025, SF6038, SF7010, SF7015, SF7020, SF7025, SF7030, SF7530,  
Product Model (S) : SF8010, SF8015, SF8020, SF8025, SF8038, SF8076, SF9010, SF9015,  
SF9025, SF9038, SF9215, SF9225, SF9238, SF9733, SF10025, SF11025,  
SF12025, SF12032, SF12038, SF14025, SF14038, SF15050, SF16038,  
SF16050, SF17238, SF17250, SF17251, SF18060, SF20060, SF22060,  
SF25489  
Trade Mark :  
Related Directive : Directive 2015/863/EU amending Annex II to Directive 2011/65/EU  
Certificate Number : HK2109183877R  
Report No. : HK2109183877-1RR  
Registration Date : October 09, 2021



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Tel.: +86-755-2302 9901 Http:// [www.cer-mark.com](http://www.cer-mark.com) Postcode: 518103 E-mail: [service@cer-mark.com](mailto:service@cer-mark.com)