

客户	Customer	
规格	Description	DC BRUSHLESS FAN
型号	Model No	RGD6025H24B
送样日期	Sample Issue Date	
版本号	Edition	A1

客户确认栏	仁钢承认栏		
Customer acknowledgement	Rengang Recognition bar		
	批准	审核	制表
	APPD.	EDAM.	DRAW.
	覃柯华	刘春松	黄丽平
	2024. 12. 07	2024. 12. 07	2024. 12. 07
	本承认书内容若贵司确认无误， 请于左方承认栏内签章寄回 。		
If the contents of this acknowledgement form are confirmed by your company, please sign and send it back in the left acknowledgement column.			

深圳仁钢电子有限公司

ADD: 深圳市龙华区观湖街道松轩社区平安路 38 号博捷芯产业园七楼

## 详细说明 Detailed description

外形尺寸 (Outline Dimension)	60*60*25mm	
额定电压 (Rated Voltage)	DC24V	
电压范围 (Voltage Range)	12V-27.6V	
启动电压 (Starting Voltage)	12V	
额定电流 (Rated Current)	0.25A±10%	
消耗功率 (Power Consumption)	6W±10%	
转速 (Speed)	7000RPM±10%	
最大风量 (Max. Air flow)	28.9CFM	
最大静压 (Max. Static Pressure)	10.01mmH <sub>2</sub> O	
噪音 (Noise Level)	49.4dB(A)	
轴承类型 (Bearing System)	Two Ball Bearing	
预计寿命 (Life Expectancy)	50000H (At25°C/Relative Humidity 65%)	
其它规范 (Other Spec)	反向保护 (Polarity Protection)	有 (YES)
	锁定保护 (Lock Protection)	无 (NO)
	转速反馈 (Tachometr Outupt)	无 (NO)
	速度控制 (PWM Control)	无 (NO)
	锁定报警 (Lock Rotor Alarm)	无 (NO)
	软启动 (Soft-restart Function)	无 (NO)
	恒速功能 (Fixed constant Function)	无 (NO)
	过压保护 (Over Voltage Protection)	无 (NO)
	过流保护 (Over Current Protection)	无 (NO)
	过热保护 (Thermal Control)	无 (NO)
	温控功能 (NTC)	无 (NO)
防护等级 (Degree of protection)	无 (NO)	
从扇叶方向看, 扇叶转向 (From the direction of the fan blade, the fan blade turns)	正转/逆时针	
框外线长 (The outer line length of the box )	300±10mm	
端子及线序 (Terminal and wire sequence)	无端黑红 (详见图纸)	
其他/备注:	Black Aluminum Frame with Black Metal Blades	

## 电气规格 (Electrical Spwification)

项目 (Item)	规格/条件 (Specification/Condition)
绝缘耐压 (Dielectric Strength)	单根导线与外框之间测量, 500V/5mA/min Measurement between a single wire and the outer frame, 500V/5mA/min
绝缘阻抗 (Insulation Resistance)	单根导线与外框之间测量, 500V/10MΩ/min Measurement between a single wire and the outer frame, 500V/10MΩ/min
工作温/湿度范围 (Operating Temp. Range)	Temperature/温度: -10°C~70°C Humidity/湿度: 30%~75%RH
保存温/湿度范围 Storage Temperature	Temperature/温度: -40°C~70°C Humidity/湿度: 30%~75%RH
抗冲击强度 (Pound resistance)	可承受三维方向上每 11ms 两次 60g 的冲击力 Can withstand the shock from all three axis by 60g and two times per 11ms.
抗震动强度 (Vibration resistance)	可承受三维方向上从 5-30HZ, 0.04g 到 30-500HZ, 2g 的阻尼震荡 5 分钟 Locked for at least 72hrs at rated voltage, the fans run normally after lock released.
耐湿性 (Humidity)	电器规格依据 MIL-STD 202F Method 103B 湿度: 95%, 温度: 40±2°C According to MIL-STD 202F Method 103B Humidity:95%, Temp:40±2°C
热冲击 (Thermal Shock)	电器规格依据 MIL-STD 202F Method 107D According to MIL-STD 202F Method 107D

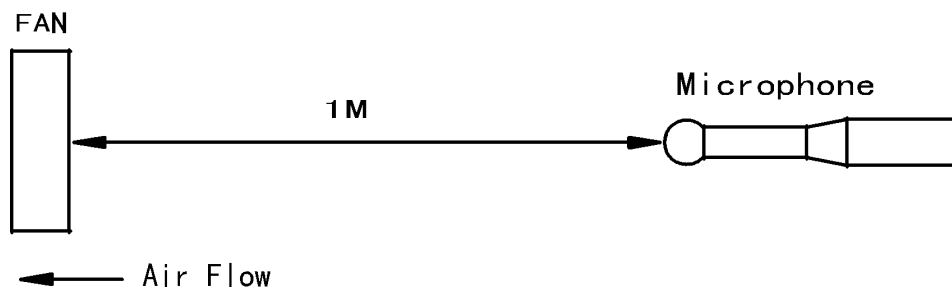
## 噪音 Acoustical Noise

参照标准 ISO3745 如图所示 (Refer to ISO3745 as shown below)

测试条件 Testing Condition:

风扇悬吊在无响室, 在额定电压下麦克风距风扇进风口 1 米的距离测试值;

Fan is hanged in anechoic chamber, Noise is measured at rated voltage in anechoic chamber with microphone at a distance of one meter from the air intake ;

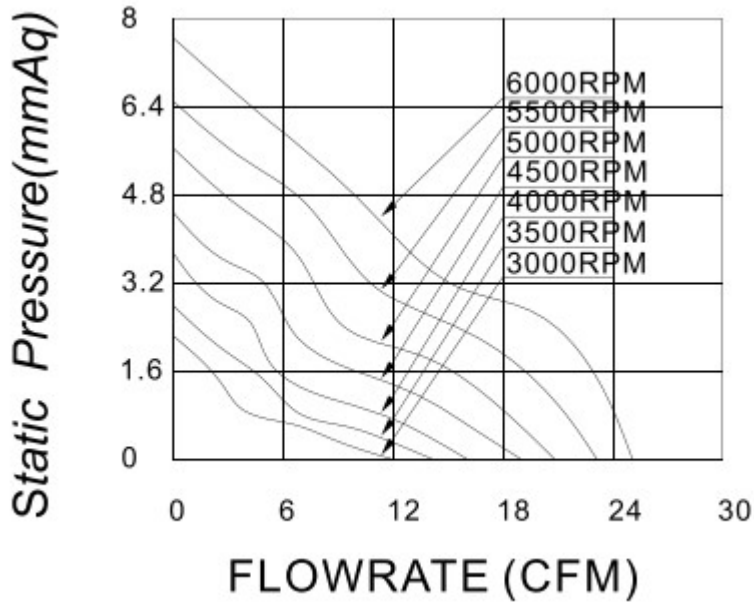


# 风扇特性曲线风量风压报告

## The Report of Fan Performance P-Q Test

产品特性依照 AMCA210-85 标准在双箱里进行风量与风压的测试

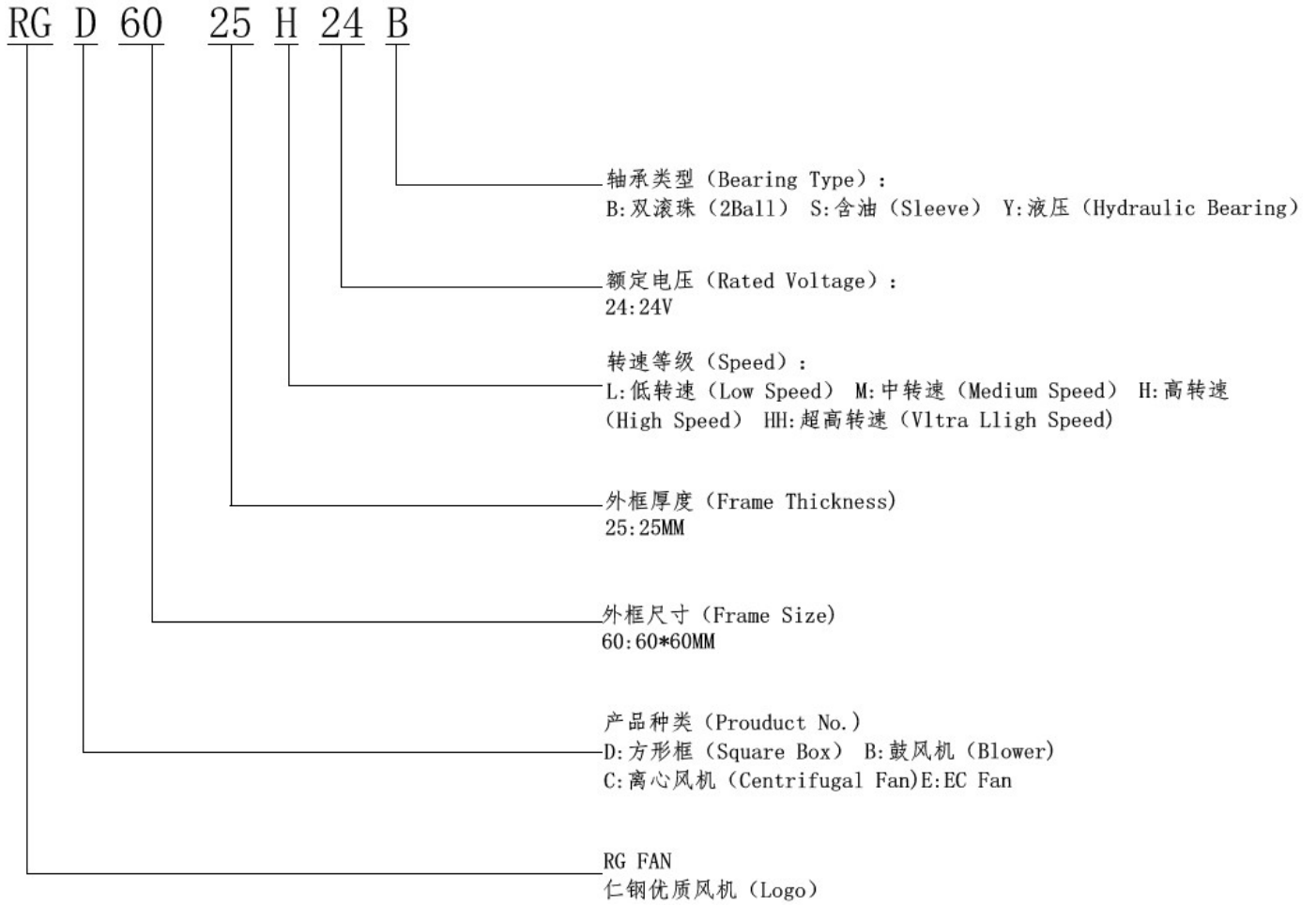
The performance including air flow and air pressure measured in Double Chamber is measured according to AMCA210-85 standard



安規情況 (Safety Approvals):

Safety Approvals (安規)	File No (安規編號)	Safety Approvals (安規)	File No (安規編號)
CE	18300RC40175401		

# 型号说明





## 注解 Notes

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。

We provide 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. 除非事先约定，我们保留使用相等规格多种来源零件的权利，原材料和结构的变更不作预先通知，但确保变更完全符合此份规格书。

Unless prior agreement, we reserves the right to use components with equivalent specifications from multiple sources, so material and construction are subject to change without advance notice. this changes should be within this specification here above.

3. 除非事先通知我们所需求参数，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 will be identical to the final sample which has been approved by your company.

4. 除非特别指出，测量记录是在室温、供给产品接线端的额定电压误差不超过 $\pm 0.1\text{VDC}$ 条件下测试。

Unless otherwise specified, marking measurement and tests are on room temperature, power supply provide rated voltage tolerance must not over  $\pm 0.1\text{VDC}$ .

5. 除非特殊设计, 在使用期间由于灰尘，水，水滴，露，腐蚀气体、应用缺陷等意外事件可能引起的产品性能下降、安全问题甚至产品失效。

Except some special designs, During use against caused by dust, water, droplets, dew, corrosive fluids, application bugs, etc. accidents cause product performance degradation, safety problem even product failures.

6. 在出厂前叶轮和马达被连接起来维持好了平衡，当您使用时不要从马达上分离扇叶，这可能产生振动和减少运转寿命。

The impeller and the motor are combined to maintain good balance before this product leave factory, Do not separate the impeller from the motor when you use, This may cause vibration and decrease the operation life.

7. 当风扇在转动时，不要把手指或您的身体的其它部分伸进产品造成人体受伤，更不能放物体到风扇里面造成风扇损坏。

Do not put your finger or any other part of your body in to this product when the fan in running , You may get injured, never put an object into the fan, it may damage the fan.

8. 当产品工作时始终遵守规格中指出的运转条件和环境需求（诸如运转电压范围，运转温度范围，电源节点）。

Always observe the operating conditions and the environmental requirements indicated in this catalog (such as operating voltage range, operation temperature range, and power connection points) when operation the product.

9. 请小心搬运和安装此产品，碰撞或跌落或用手指等其它物体挤压产品都有可能损坏支架和轴承导致产品在设备工作时产生奇怪的噪音和振动。

Please handle and install this product carefully, Hitting or dropping or extruding with fingers or other objects this product may damage holders or bearings. Resulting in strange noise and vibration during equipment operation.

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.

11. 不适当的安装可能产生刺耳的共振，振动和噪音，请可靠安装。

Improper mounting may cause harsh resonance, vibration, and noise. Please mount securely.

12. 确保产品依照指定的储存温湿度存储，不要储存在高温，高湿，有腐蚀气体的环境，如果产品储存超过 6 个月，我们推荐在使用前进行功能性测试。

Always ensure that products are stored according to the storage temperatures and humidity specified. Do not store in such as high temperature and high humidity and where there is corrosive gas environment, If the products are stored for more than 6 months, we recommend functional testing before using.