

# PRODUCT SPECIFICATION

NAME: AC Axial Fan

MODEL: G12038-A2

CUSTOMER CODE: \_\_\_\_\_

VERSION NUMBER: DO

MAKE: 郑 剑

EDIT: 付振良

CHECKED: 靳 超

APPROVED: 黄安国

CUSTOMER APPROVE: \_\_\_\_\_

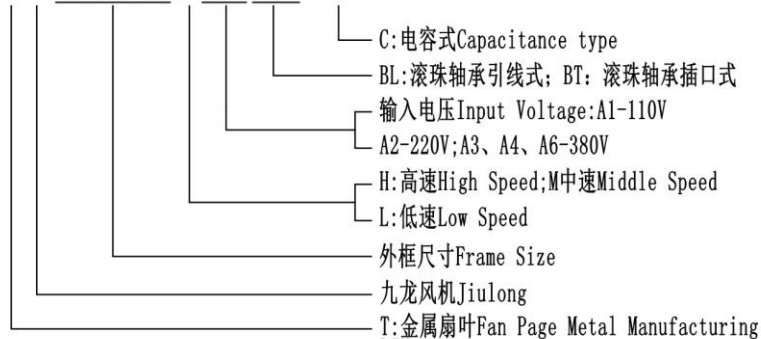
DATE: \_\_\_\_\_

宁 波 九 龙 电 讯 电 机 有 限 公 司  
Ningbo Jiulong Telecommunication and Electrical Machinery Co.,Ltd  
中 外 合 资 宁 波 龙 泰 电 讯 电 机 有 限 公 司  
Sino-Foreign Joint Venture Ningbo Longtai Telecommunication and Electrical Machinery  
地址：浙江省宁波市象山县晓塘九龙江

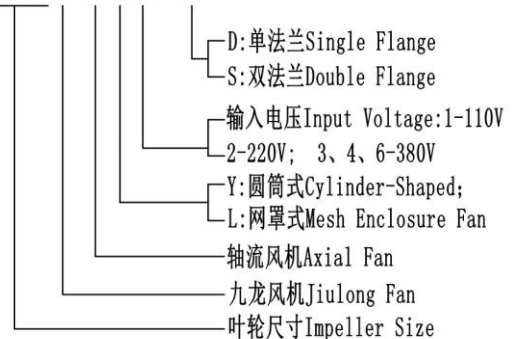
电话: 0574-65930001

http: <http://www.jiulong-fan.com>

TG22580HA2BL-C



300FZY2-D



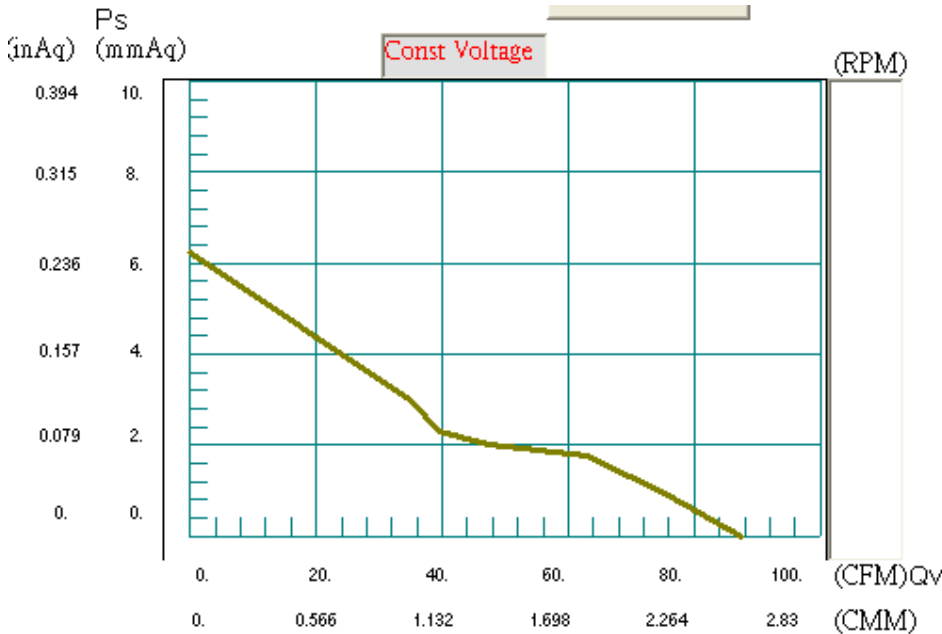
## 1.0 Requirement of production standard and safety regulations

1	Satisfy Standard	GB12350 《Safety requirements for small power motors》
		GB/T13275 《General technical requirements for general purpose centrifugal fans》
2	Certification	<input checked="" type="checkbox"/> UL
3	Vibration of the fan	The effective value of fan vibration speed according to JB/T8689

## 2.0 Electric parameter , Environmental testing

Item		Testing Condition	
1	Operating Voltage	Rated Voltage $\pm$ 10%	
2	Rated voltage/Frequency	220V	60Hz
3	Rated current	Under rated voltage	$\pm$ 10%A 0.14
4	Power consumption		$\pm$ 10%W 20
5	Rated speed		$\pm$ 7%RPM 2850
6	Max Airflow		$\pm$ 5%CFM 87
	Air Static Pressure	$\pm$ 5%Pa 62	
7	Blade number	7P	
8	Rotation direction	counter clockwise from fan blade side	
9	Operating temperature	Under Temp. Raise $\leq$ 115K, rated voltage (50Hz): 76 K Under 1.1 times rated voltage (50Hz): 98k	
10	Max Noise	48 $\pm$ 5dBa	
11	Operating Temp .Range	Temperature: <input type="checkbox"/> -10 $^{\circ}$ C $\sim$ +65 $^{\circ}$ C <input checked="" type="checkbox"/> -10 $^{\circ}$ C $\sim$ +45 $^{\circ}$ C Humidity: 0-70%RH	
12	Storage Temperature	Temperature: -40 $^{\circ}$ C $\sim$ +70 $^{\circ}$ C Humidity: 0 $\sim$ 85%RH	
13	Life time	Durability test: continuous running for 50000hrs non-failure (under rated voltage, environment temp. 25 $^{\circ}$ C, humidity<70%RH, full speed)	
14	weight	0.45KG	

### 3.0 PQ curve



### 4.0: Main Materials/parts Specification

Materials/parts		Specification
1	Housing	<input checked="" type="checkbox"/> Metal、 <input type="checkbox"/> Plastic
2	Blade	<input type="checkbox"/> Metal、 <input checked="" type="checkbox"/> PBT
3	Bearing Type	<input checked="" type="checkbox"/> Ball Bearing
4	Lead wire	22#AWG UL1569 wire, outer length 300mm ±30
5	Connector	/
6	Capacitor	/
7	Protect guard(optional)	<input checked="" type="checkbox"/> Metal、 <input type="checkbox"/> Plastic
8	ROSH	ROSH Approved

### 5.0 Electrical Specification

1	Insulation Resistance	100MΩ /between bare wire and frame, 500VDC/min 100MΩ /between bare wire and frame, 500VDC/1min
2	Dielectric Strength	5mA Max. /between conductor and frame <input checked="" type="checkbox"/> 1860VAC/5mA/1S <input type="checkbox"/> 2160VAC/5mA/1S
3	INGRESSPROTECTION	<input checked="" type="checkbox"/> IP44 <input type="checkbox"/> IP54
4	Insulation Shock	<input type="checkbox"/> Class F <input checked="" type="checkbox"/> Class B
5	Protect type	<input type="checkbox"/> thermal protector <input checked="" type="checkbox"/> impedance



## 7 .0 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(H<sub>2</sub>S, SO<sub>2</sub>, NO<sub>2</sub>, 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不变，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.