

规格承认书

SPECIFICATION FOR APPROVAL

客户 CUSTOMER: VM Komponenten LLC

客户料号 PARTS NO.: _____

承认编号 APPROVAL NO.: GXAC202400086产品编号 PRODUCTS NO.: GN120B2-R09版本 REV.: A2产品类型 MODEL NO.: AC FAN

样品数量 QTY: _____ PCS

日期 DATE: 2025-03-10

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本公司承认章

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核 准		审 核	陈力强	制 作	史慧怡
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广州冠协风机制造有限公司

Guangzhou Guanxie Fan Manufacturing Co.,Ltd.

地址：广州市白云区白云湖街大冈工业区兰花街7号4栋

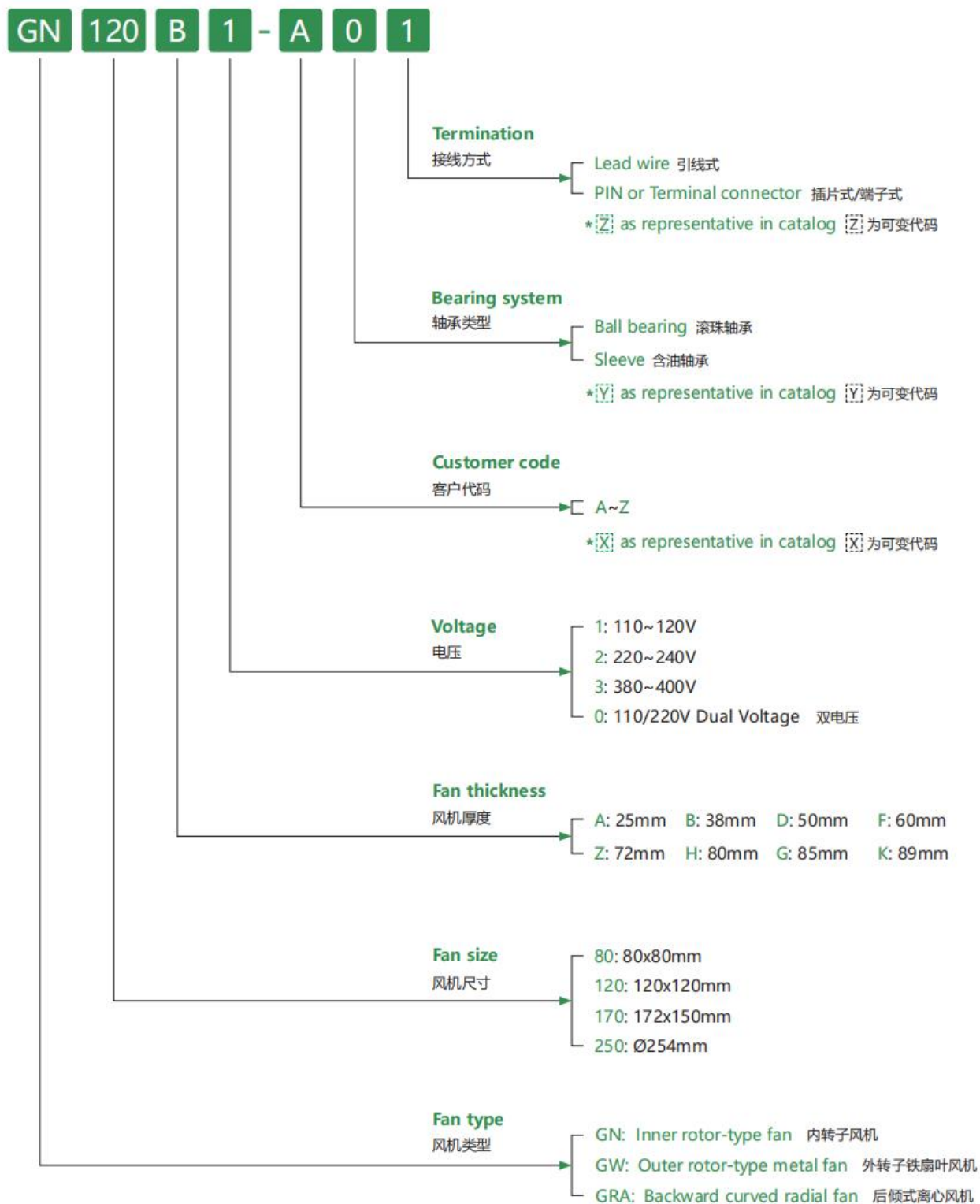
Add: Building 4, No.7 Lanhua Street, Dagang Industrial Zone,
Baiyunhu Street, Baiyun District, Guangzhou, China

Tel: +86-20-36678158

Fax: +86-20-83377440

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AC Fans Part Numbering System AC风机型号编码原则



产品规格承认书

PRODUCT SPECIFICATION
APPROVAL SHEET

一、 样品规格(Sample Specification):

项目 (Item)		规格/条件 (Specification/Condition)	
01	型号 Part No.	GN120B2-R09	
02	外形尺寸 (Outline Dimension)	120*120*38mm	
03	额定电压 (Rated Voltage)	AC 220V	
04	电压范围 (Voltage Range)	AC 220-240V	
05	频率 (Frequency)	50/60 Hz	
06	额定电流 (Rated Current)	100/90mA±10%	25℃ 60~80%RH
07	额定功率 (Power Consumption)	19W±10%	25℃ 60~80%RH
08	安规电流 (Current)	120mA±10%	25℃ 60~80%RH
09	转速 (Speed)	2600/3000RPM±10%	25℃ 60~80%RH
10	最大风量 (Max. Air flow)	72.43/87.15CFM±10%	25℃ 60~80%RH 額定電流 (Rated Current)
11	最大静压 (Max. Static Pressure)	6.38/5.23mmH ₂ O±10%	
12	噪音 (Noise Level)	42/45dB (A)	
13	重量 (Weight)	485±20g	

二、 电气规格(Electrical Specification):

项目 (Item)		规格/条件 (Specification/Condition)	
01	绝缘耐压 (Dielectric Strength)	1800V , 上限 5mA, 下限 0.02mA, 持续时间 3S	
02	绝缘阻抗 (Insulation Resistance)	$\geq 100M\Omega$, 裸线与外框间测量, 500VDC/min $\geq 100M\Omega$ Between unshielded wire and frame at 500VDC/min	
03	运转温升 (Temperature Test of Run)	$\Delta t \leq 90^{\circ}\text{C}$ 额定电压 (Rated Voltage)	
04	锁定检测 (Locked Rotor Protection)	$\Delta t \leq 150^{\circ}\text{C}$ 额定电压 (Rated Voltage)	

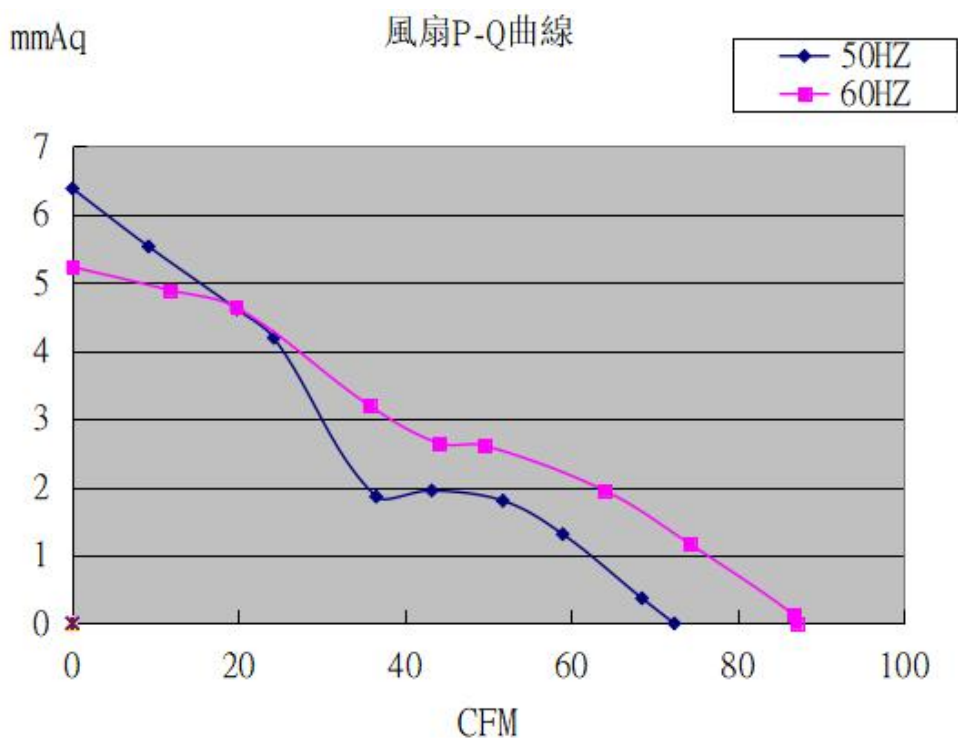
三、环境条件(Environmental Specification):

项目(Item)		规格/条件(Specification/Condition)
01	工作温/湿度范围 (Operating Temp. Range)	温度 (Temperature): -30℃~65℃ 湿度 (Humidity): 30%~85%RH
02	保存温/湿度范围 (Storage Temperature)	温度 (Temperature): -30℃~65℃ 湿度 (Humidity): 30%~85%RH
03	寿命 (Life span)	50000hrs @40℃
04	认证 (Safety Approval)	CE, UL
05	防护等级 (IP level)	IP44

四. 主要材料/零件规格(Main Materials/Parts Specification):

项目(Item)		规格(Specification)
01	扇叶(Blade)	全铝合金弯 5 叶 (Aluminum ADC-12, Painted Black)
02	框架(Frame)	高质量铝合金外框防腐防湿结构 (Aluminum ADC-12, Painted Black)
03	定子与转子(Stator & Rotor)	6316 矽钢 (Silicon steel)
04	漆包线 (Magnet Wires)	Copper 2 UEW-H
05	绝缘套 (Bobbin)	PA-66 UL 94 V-0

五. 特性图(Property):



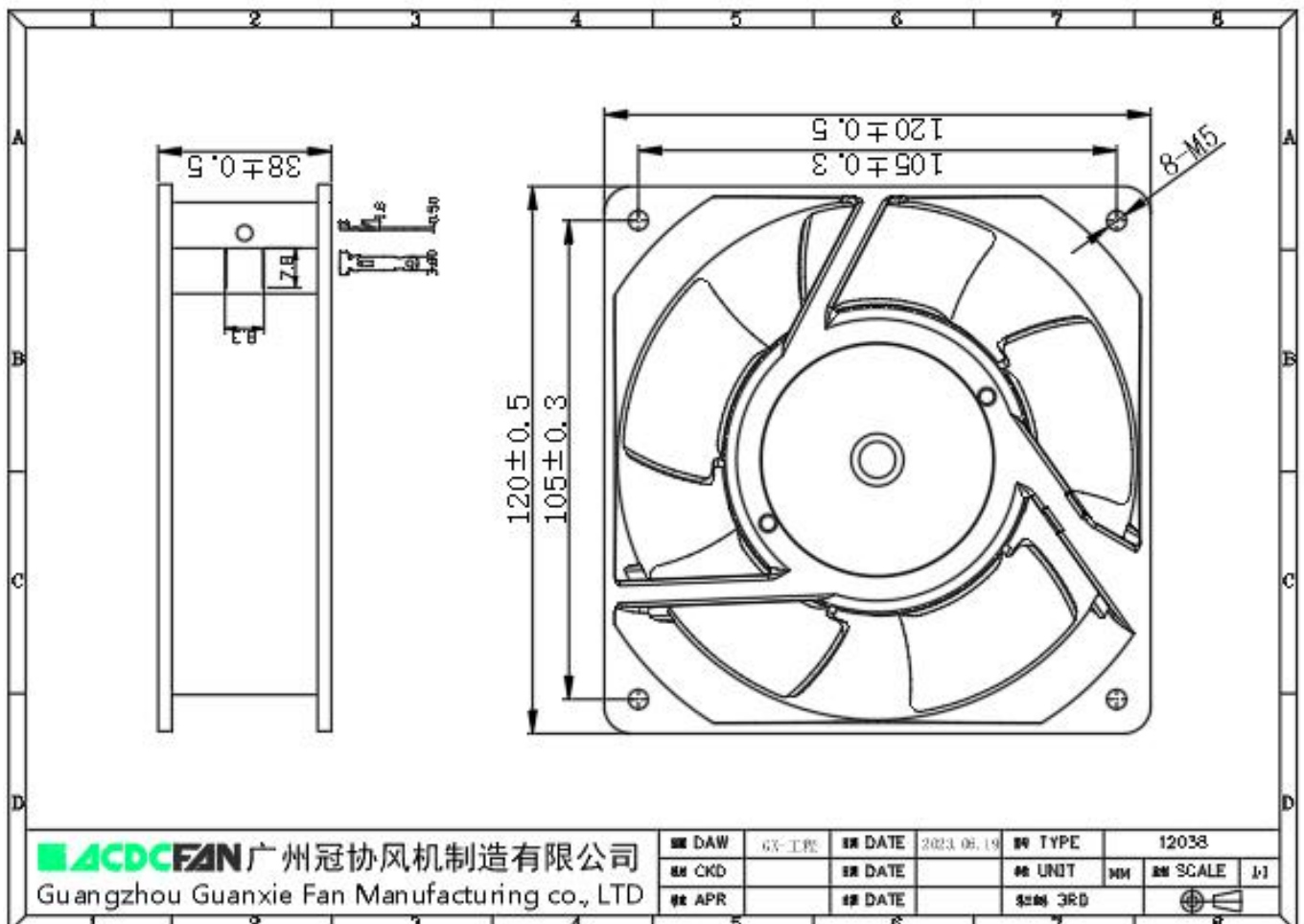
六. 商标 (Label Marking)

	型号/Model	GN120B2-R09
	电压范围/Voltage	220-240V
	安规电流/Current	120mA
	频率/Freq	50/60Hz
	额定功率/Power	19W
	轴承类型/Bearing System	滚珠/Ball
	标签尺寸/Label Size	Φ 49mm
	商标颜色/Label Color	蓝色/Blue
	安规/Safety Approval	CE/UL

商标参数仅供参考，具体参数以实际为准。

(The trademark parameters are for reference only, and specific parameters are subject to actual conditions.)

七. 外形尺寸 (Outline Dimension)



FAN INSTALLATION INSTRUCTIONS/风扇安装说明

1. IN CASE OF USING BOLT-NUT FASTENERS, THE FLATNESS OF CHASSIS MATING SURFACES SHOULD BE KEPT BELOW 0.1MM.

在使用螺栓螺母紧固件时，底盘配合表面平整度应小于 0.1mm.

2. IN CASE OF USING BOLT-NUT FASTENERS, THIS MODEL WAS DESIGNED TO BE INSTALLED BY FASTENING AT EITHER INLET OR OUTLET FLANGE ONLY, FIGURE(a). IN CASES OF THE BOLT TO BE APPLIED TO THE NUT MUST NOT EXCEED: 在使用螺栓螺母紧固件的情况下，该模型设计为安装紧固在法兰进口或出口，如图(a),在适用于螺栓的情况下不得超过如下要求：

2.1 FLANGE TYPE FRAME/法兰式扇框: 4.5 Kgf-cm [FIGURE/图(c)]

2.2 RIB TYPE FRAME/包柱扇框: 7.5 Kgf-cm [FIGURE/图(d)]

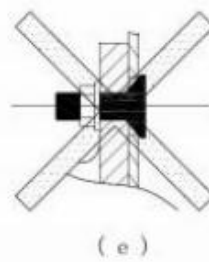
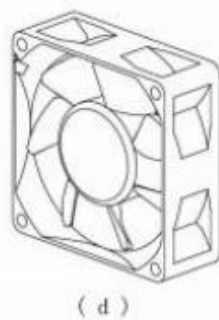
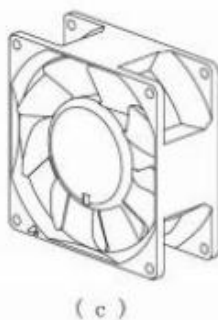
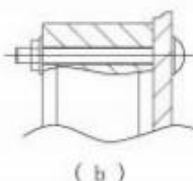
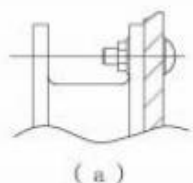
3. IN CASE OF USING SELF-TAPPING SCREWS, THE DIMENSIONAL DETAILS OF THE SELF-TAPPING SCREWS RECOMMENDED ARE SHOWN IN TABLE(A). EACH FASTENER HOLE SHOULD ONLY BE TIGHTENED ONCE, REPEATED LOCKING MAY BE SLIDING PHENOMENON. IN ADDITION, THE TORQUE TO BE APPLIED TO THE SELF-TAPPING SCREWS MUST NOT EXCEED THE VALUES STATED IN TABLE (1). 在使用自攻螺钉的情况下，自攻螺钉推荐的详细尺寸见表(表一),每个紧固孔只应拧紧一次或可能发生滑丝。此外施加力矩的自攻螺丝不得超过(表一)的规定值。
4. THE COUNTERSUNK PART OF FASTENER HEAD SHOULD NOT INTERFERE WITH THE FRAME OR THERE WOULD BE A RISK OF BREAKAGE (FIGURE e). FASTENER HEAD WITH FLAT INNER SURFACE, i.e. NO COUNTERSUNK, IS RECOMMENDED. 紧固件的沉头部分不应干涉框架或有破损的危险(图 e),建议采用平头(即无沉头)的螺丝。

TABLE (1)

MOUNTING HOLE DIAMETER 安装孔直径	SCREW SPEC 螺纹规格	MAJOR DIAMETER[FIG.(f)] 螺纹规格		RECOMMENDED MAX.TORQUE 推荐的最大扭矩(单位 Kgf-cm)	
		MAX.	MIN.	FLANGE TYPE FRAME	RIB TYPE FRAME
Φ3.5	M4.0x1.41	4.0	3.85	4.5	7.5
Φ4.3	M4.8x1.59	4.8	4.65	5.5	7.5
Φ4.5	M5.0x1.59	5.0	4.85	5.5	7.5

NOTE: 1.REFERENCE STANDARD JIS B 1122/参考标准.

- 2.A LOWER TORQUE THAN THE RECOMMENDED VALUE SHOULD BE USED IF SLIPPAGE IS OBSERVED.如果发现出现滑牙现象，应使用低于推荐值的扭矩。



注意事项 (NOTES)

1 Before use, make sure the supply voltage to meet the use of the product range, line-powered load exceeds the maximum power consumption of this product 120%. And the voltage is stable without clutter

(使用前, 确认供电电压能满足本产品的使用范围, 供电电路负载超过本产品的最大功耗的 120%。且电压是稳定不含杂波干扰)

2 Please when ventilator circular telegram normal work do not use the hand to bump touches fan blade border

(请在风扇通电正常运转时不要用手碰触扇叶边沿)

3 Please do not touch the impeller and never carry the fan the lead wires. The bearings and the lead wires may be damaged. Additionally, static electricity may damage the internal circuits of the fan

(请不要碰触扇叶和拉扯线材, 以免损坏轴承及导线。此外, 静电可能损坏内部的风扇组件)

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

(请不要将风扇置于腐蚀的气体 and 液体中)

5 Please do not store the fan in the environment of high humidity. Please avoid storage of the fan over 6 months. For long term storage, please connect power to the fan shortly every 6 months even though the fan is stored in room temperature.

(请不要将风扇储存在高湿度的环境中, 请尽量避免将风扇储存期超过 6 个月。如果要长期储存, 请将其在室温的环境下。且每隔 6 个月须上电源让风扇短时间运转。)