



Your reliable partner for EC motors and fans



Green Motor

Advantages 优势

Fast Delivery
快速交货

Budget friendly
预算友好

One-To-One Service
一对一服务

Customized Solution
接受定制



Green Motor

Overview 概览



You reliable partner for ECM motors in refrigeration applications.

GP is THE reliable partner for ECM motors in commercial refrigeration applications. Using the ECM motor as a retrofit to replace shaded pole motors can save the user up to 70% in energy usage and requires the same space for installation, allowing simple and direct mechanical replacement. This makes applications such as those in refrigeration technology more efficient. Three EC motor models can replace existing 5W to 34W motors.

可信赖的商业制冷用EC节能电机合作伙伴！

宁波格灵普尔节能科技有限公司专业从事可控制EC节能电机和风机的研发、生产和销售。我司开发的新一代商业制冷用EC节能电机采用了先进的电子控制技术，可直接替代5W到34W传统方形罩极电机，安装尺寸也完全相同，风叶、风圈、网罩和支架等均可通用。相对传统电机，EC电机节能高达70%，是商业制冷用设备的完美节能解决方案。

Voltage:	AC100V~127V; AC190V~254V; DC24V	Mounting Options:	Totally same as traditional shaded-pole motors
Frequency:	50/60Hz	Mounting position:	Any position
Rated output power:	5W to 20W shaft power	Operating mode:	S1
Housing:	Plastic, anti-static, resistant	Protection type:	IP65
Rotation:	Single rotation CCW	EMC/EMI:	EN60335, EN61000, EN55014
Speed:	Single speed, 2 speeds or variable speed	Bearing:	Fully enclosed maintenance-free ball bearing
Insulation class:	-40°C to +50°C (-29°F to +122°F).	Motor protection:	Thermally protected & via electronics
Working ambient temperature:	Class II	Service life:	50,000 hours
Protection class:		Certifications:	CE, CCC, Rosh, VDE and UL (In process)

电压:	AC100V~127V; AC190V~254V; DC24V	安装:	与传统罩极电机完全一样
频率:	50/60Hz	安装角度:	任何角度
额定输出功率:	5W to 20W (轴端)	工作方式:	S1
外壳:	塑料, 防静电, 耐磨	防护等级:	IP65
转向:	单转向 CCW	电磁兼容标准:	EN60335, EN61000, EN55014
转速:	单速, 双速或多速	轴承:	全封闭免维护轴承
绝缘等级:	F class	电机保护:	热保护及内置电子过载保护
环境温度:	-40°C to +50°C (-29°F to +122°F).	运行寿命:	50000小时
保护等级:	Class II	认证:	CE, CCC, Rosh, VDE and UL (进行中)

Green Motor

Main features 主要特性



Highest Moisture and Dust Protection IP65高防护等级

ECM motors are IP65. In all ECM motors a conformal coating is applied to the electronic control board for complete moisture protection.

电机防护等级达到IP65，内置控制板喷涂特殊的防护涂层，保证电机在高湿度、多灰尘环境中完美运行。



High safety class II 高安全等级

ECM motors with plastic housing parts and the protection level has achieved class II, Therefore the earth conductor will be unnecessary – and saves you a lot.

ECM电机外壳采用工程塑料，电机保护等级达到Class II，接地线也因此不再需要，从而节省成本。



Constant Speed Control 恒速控制

Their smart electronics regulate voltage fluctuations so that the speed remains constant across a wide range of voltages and fan blades; it will help the cooling system work properly.

电机采用恒转速控制技术，即使在电压频繁波动和负责叶片变换的条件下，转速基本保持不变，确保制冷系统正常、高效工作。



Reverse on start 上电反转

Motor reverses on start when start-up through pre-set of the program, And keeps condenser coils clean- for long-lasting high cooling capacity.

电机在通电启动时，可根据预设的时间反转进行除尘，然后再正常运转。此功能保持冷凝器盘管清洁和更高效。



Reverse on demand 可控制反转

Motor reverses demand when defrosts through pre-set of the program. And keeps the heat exchanger of condenser clean- for long-lasting high cooling capacity.

电机可在除霜时，根据预设的时机和时间反转进行除尘，然后再正常运转。此功能保持冷凝器盘管清洁和更高效



Two Speed Operation 两速运转

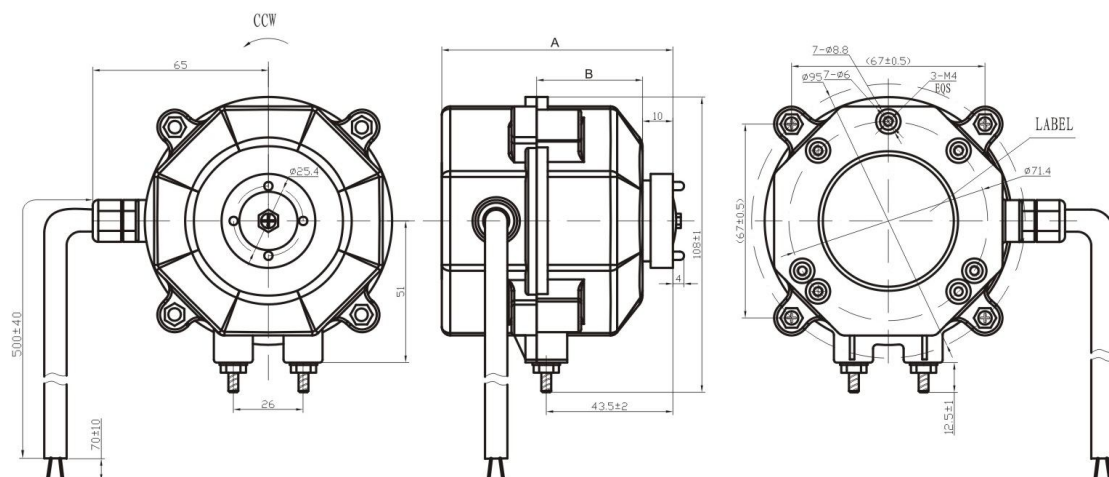
The special performance feature of the two speeds is its two factory-programmed speed steps, reducing energy consumption. Typically used when the compressor is not operational or when night mode is engaged.

电机可通过事先设定的程序在高速和低速两种状态下工作，这种模式在具有白天和夜间模式的制冷系统应用中能节约更多的能源和降低噪音。

Technical data 技术参数

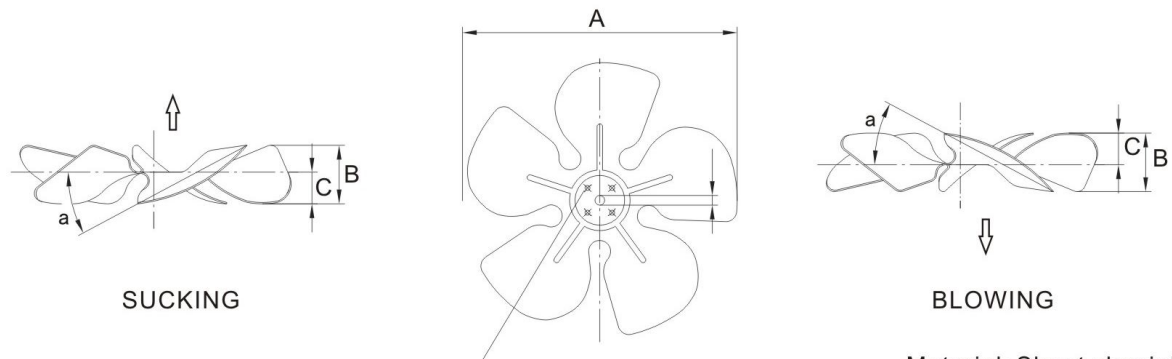
Nominal date		Voltage	Freq.	Speed	Output Power	Pem.amb temp.	Weight	Max.Size Fan Blade
Type	Features	V	Hz	r/min	W	℃	kg	mm
7108	Standard CW&CCW 2 Speeds	AC115/230	50/60	1250-2300	5	-40℃-50℃	0.48	Ø200mmx 28°
7112	Standard CW&CCW 2 Speeds	AC115/230	50/60	1250-2300	15	-40℃-50℃	0.58	Ø254mmx 28°
		DC24	——	1250-2300	15	-40℃-50℃		
7120	Standard CW&CCW 2 Speeds	AC115/230	50/60	1250-2300	20	-40℃-50℃	0.71	Ø300mmx 25°
		DC24	——	1250-2300	20	-40℃-50℃		
Universal Mounts	Bolts 2 @ 26mm CRS Rear Threaded Holes 4 Holes @ 67.0 pcd or 3 Holes @ 71.4 pcd							

Installation dimensions 安装尺寸



Type	7108	7112	7120
A	83mm	87mm	95mm
B	37.8mm	41.8mm	49.8mm

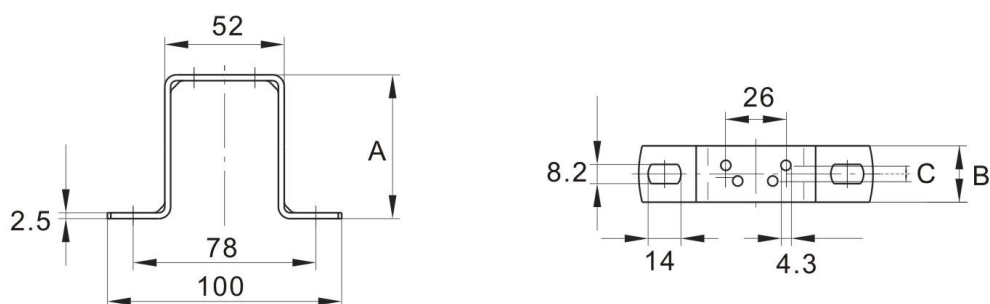
Axial impellers 风叶



— Material: Sheet aluminium

MODEL		B154	B172	B200	B230	B254	B300
22°	A	154	172	200	230	254	300
	B	27	28	30	33	34	41
	C	14	15	16	16	17	21
28°	B	34	35	37	41	42	54
	C	17	16	19	21	21	28
34°	B	40	42	44	50	51	63
	C	21	21	23	26	26	32

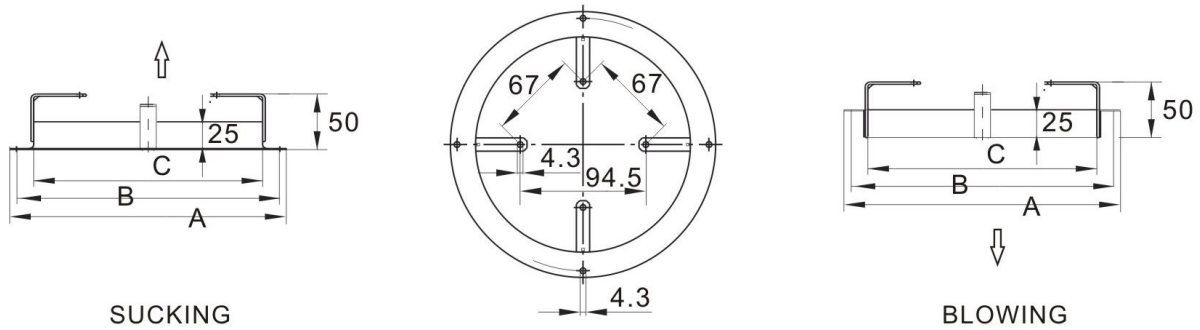
Mounting bracket 安装支架



— Material: Sheet steel, galvanized

MODEL	A	B	B
B54	54	24	24
B72	72	24	24
B84	84	24	24
B109	109	39	39
B109	109	49	49

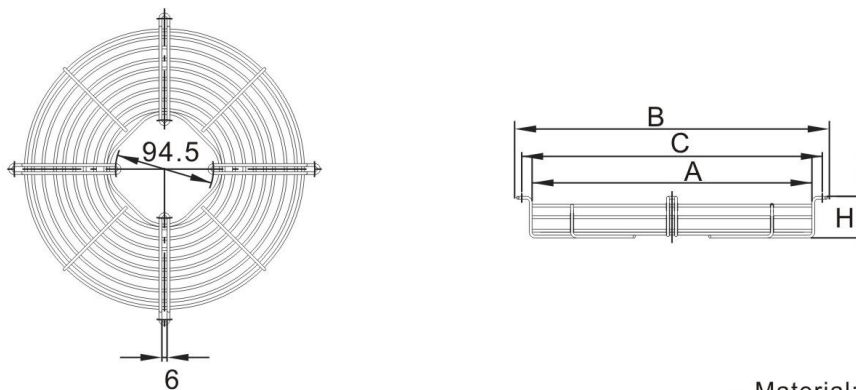
Wall rings 法兰



— Material: Sheet steel, coated in grey plastic

MODEL	R154	R172	R200	R230	R254	R300
Fan	154	172	200	230	254	300
A	200	223	246	276	300	356
B	190	208	233	266	290	344
C	164	180	212	238	262	310

Guard grille 网罩



— Material: Sheet steel, galvanized

MODEL	G154	G172	G200	G230	G254	G300
Fan	154	172	200	230	254	300
A	170	188	216	246	270	324
B	202	220	248	278	300	354
C	190	208	236	266	290	344
H	25	25	25	25	35	35

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Advantages 优势

Fast Delivery
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Budget friendly
预算友好

One-To-One Service
一对一服务

Customized Solution
接受定制



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Overview 概览



You reliable partner for developing condensing boilers.

GP is THE reliable partner for developing condensing boilers. EC Controllable blowers with a steep pressure-flow rate curve and a high pressure maximum are required for Modern gas-fired or oil-fired modulating condensing boilers which have to be supplied with the ideal volume and composition of air and fuel, and also for gas technology in every operating status and external condition. Relative to conventional boilers, controllable blowers allows a significantly higher efficiency of up to 100 % to be attained relative to the lower heating value.

可信赖的预混式冷凝锅炉风机合作伙伴！

宁波格林普尔节能科技有限公司专业从事可控制节能电机和风机的研发、生产和销售。我司开发的新一代预混式冷凝锅炉风机采用了先进的电子控制技术，具有高静压、恒流量、预混充分和高效率等特点，可完美替代传统燃气鼓风机和国外同类风机，是新一代燃气/燃油冷凝锅炉和灶具加热设备的完美选择！

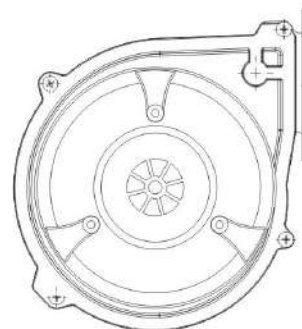
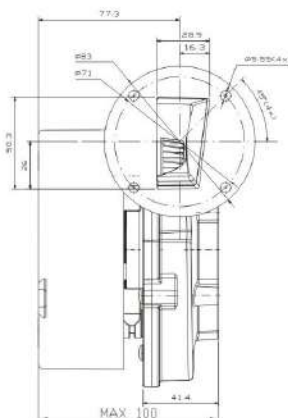
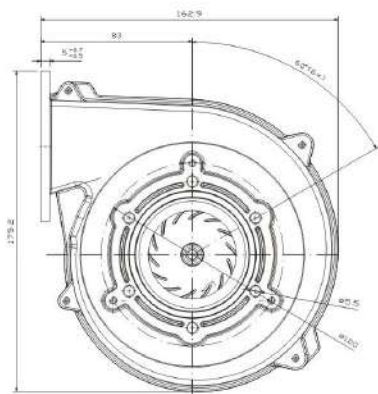
Voltage:	AC100V~120V; AC220V~240V; DC12V/24V	Speed output:	Hall IC signal output with two pulses/revolution
Frequency:	50/60Hz	Speed control:	PWM (pulse-width modulated signal)
Housing:	Die-cast aluminium	Bearing:	Maintenance-free ball bearings
Impeller:	Plastic, anti-static, resistant	Motor protection:	Via electronics
Drive unit:	Brushless DC-motors with integrated electronics.	Service life:	L10 40,000 hours at 40°C
Insulation class:	F (EN60335-1)	EMC:	EMC according to EN 55011
Protection type:	IP20 with cover	ErP2015:	Compliant ErP2015 step 2 (> 125W)
Protection Class:	Class III	Certifications:	CE, CCC, RoSH, VDE (In progress)
Mounting position:	Vertical		

电压:	AC100V~120V; AC220V~240V; DC12V/24V	转速输出:	霍尔信号输出 (2个脉冲/转)
频率:	50/60Hz	转速控制:	PWM信号 (如需0~10V请咨询)
蜗壳:	铝压铸	轴承:	免维护轴承
风轮:	塑料, 防静电, 耐磨	电机保护:	电子保护
驱动:	内置驱动无刷直流电机	运行寿命:	L10 40,000小时 (40°C环境温度)
绝缘等级:	F (EN60335-1)	EMC:	EMC according to EN 55011
防护等级:	IP20 (带塑料保护壳)	ErP2015:	符合欧洲ErP指令2 (>125W)
保护等级:	Class III	认证:	CE, CCC, RoSH, VDE (进行中)
安装:	垂直安装 (如需水平安装请咨询)		

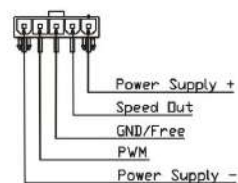
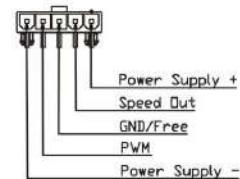
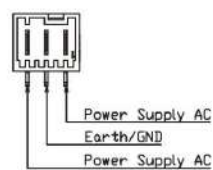
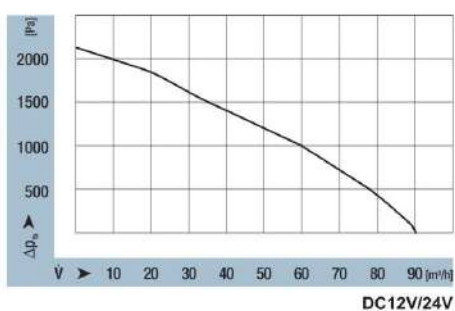
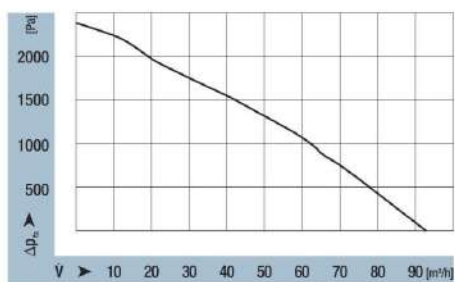
G-118



Drawing



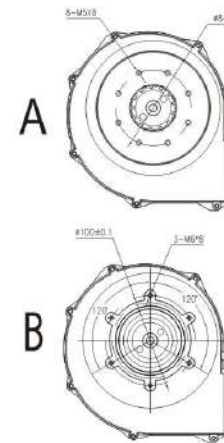
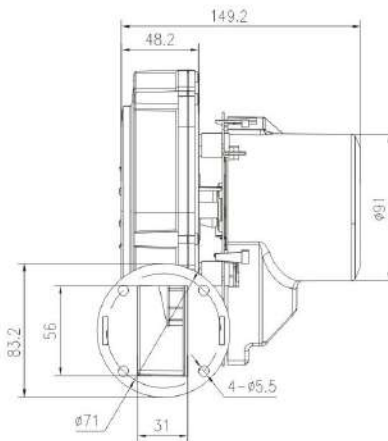
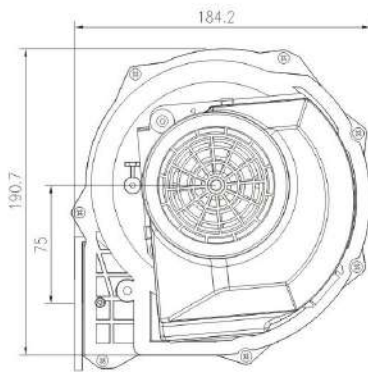
Curves



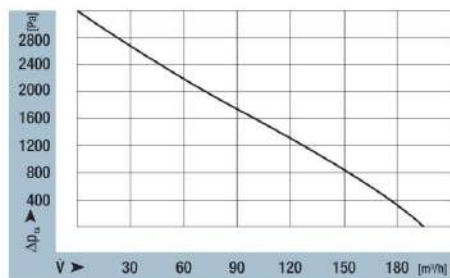
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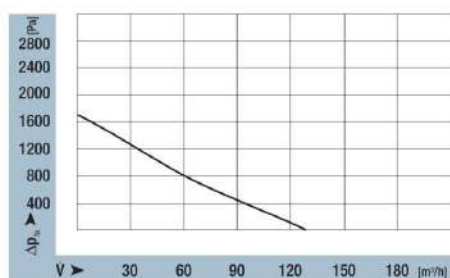
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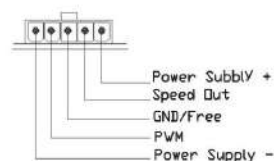
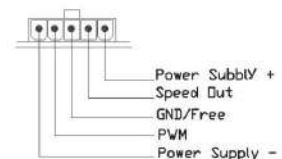
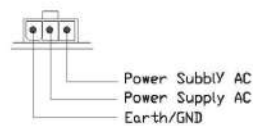
Curves



AC220-240V



DC12V/24V

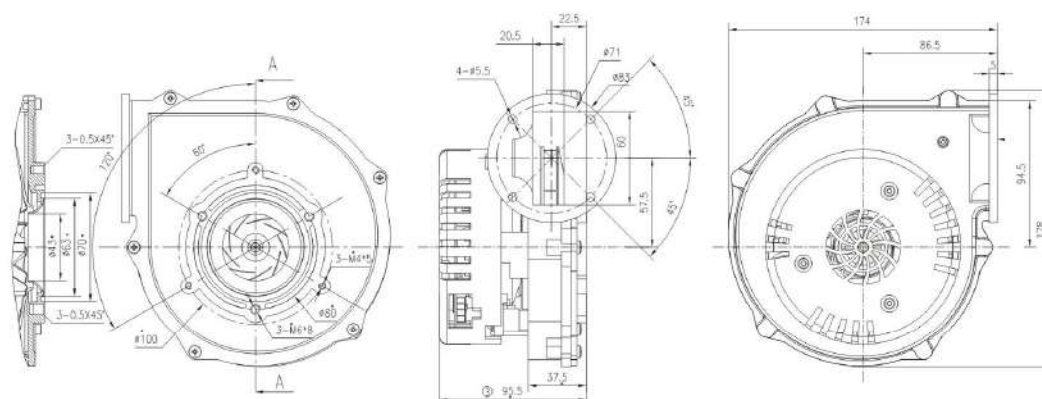


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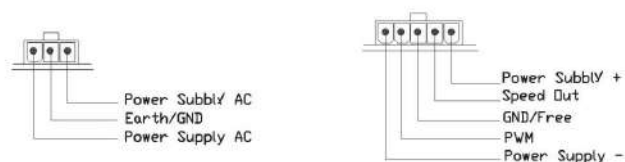
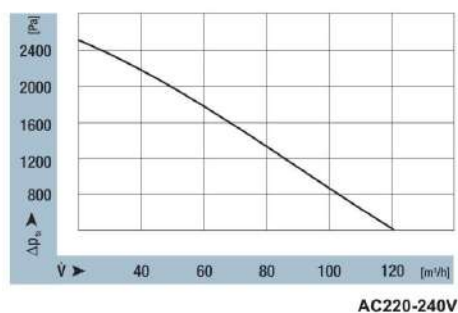


Rated voltage 额定电压	V	230VAC
Frequency 频率	Hz	50/60
Power input 输入功率	W	54
Max. speed 最大转速	RPM	6150
Max. air flow 最大风量	m3/h	126
Max. pressure 最大静压	PA	2500
Net weight 净重	KG	1.35

Drawing



Curves

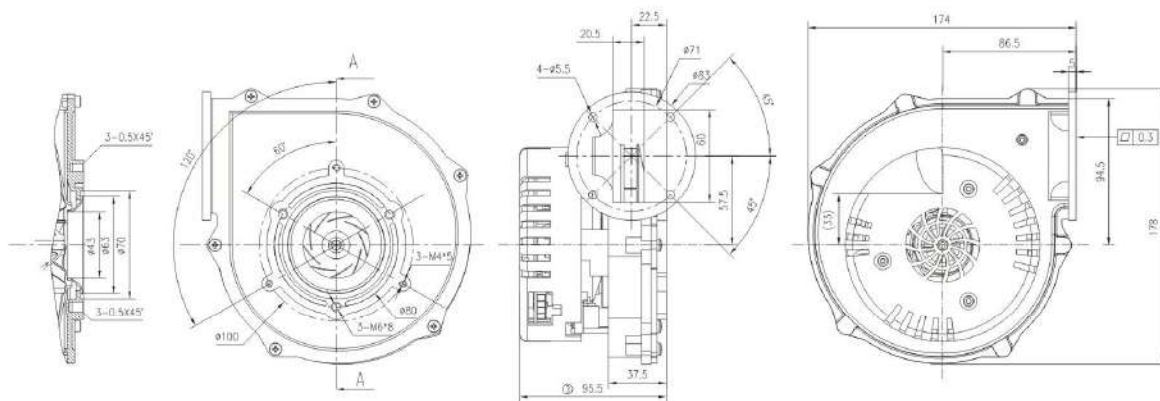


G-130D

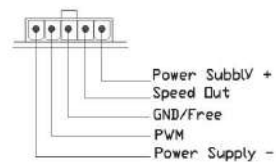
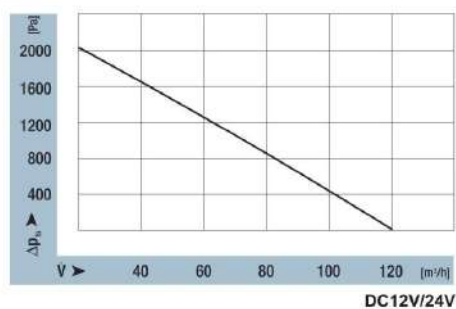


Rated voltage 额定电压	V	12/24VDC
Frequency 频率	Hz	/
Power input 输入功率	W	47
Max. speed 最大转速	RPM	5880
Max. air flow 最大风量	m3/h	122
Max. pressure 最大静压	PA	2020
Net weight 净重	KG	1.3

Drawing



Curves

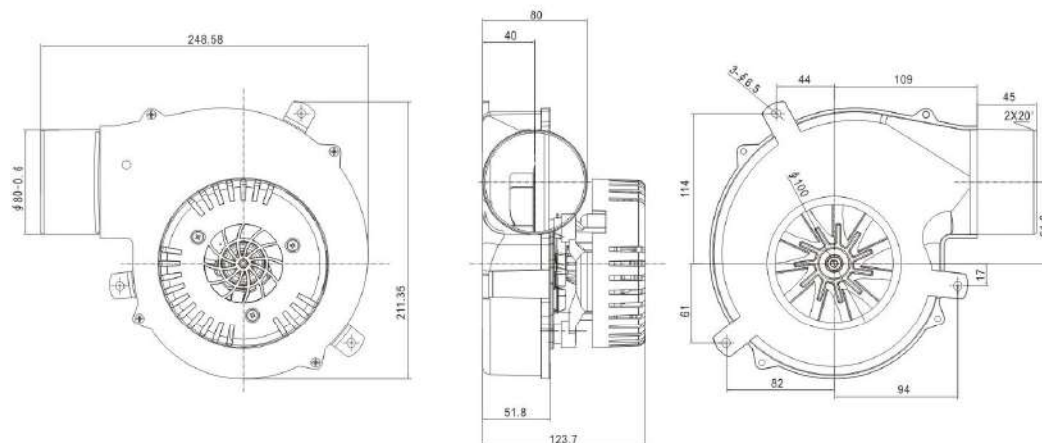


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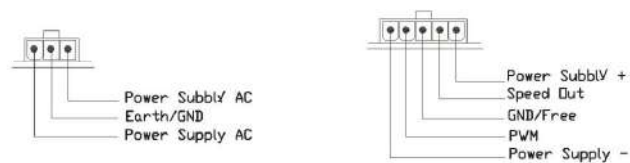
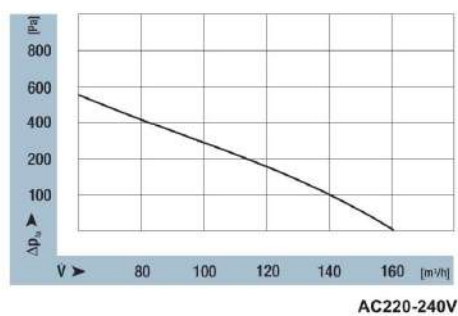


Rated voltage 额定电压	V	230VAC
Frequency 频率	Hz	50/60
Power input 输入功率	W	41
Max. speed 最大转速	RPM	3050
Max. air flow 最大风量	m ³ /h	162
Max. pressure 最大静压	PA	550
Net weight 净重	KG	1.9

Drawing



Curves

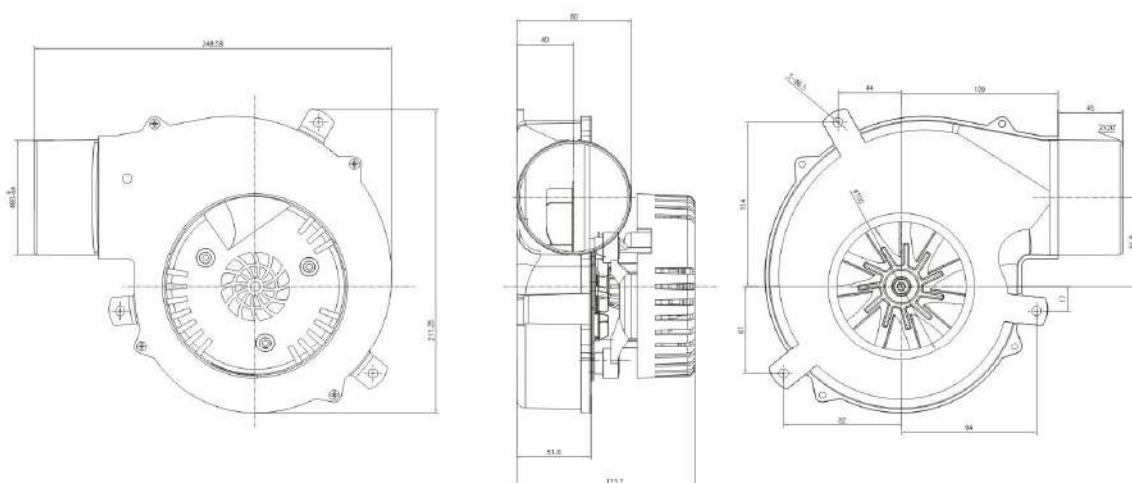


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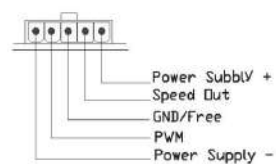
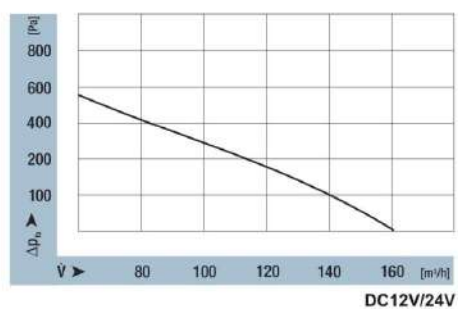


Rated voltage 额定电压	V	12/24VDC
Frequency 频率	Hz	/
Power input 输入功率	W	41
Max. speed 最大转速	RPM	3050
Max. air flow 最大风量	m3/h	162
Max. pressure 最大静压	PA	550
Net weight 净重	KG	1.9

Drawing



Curves

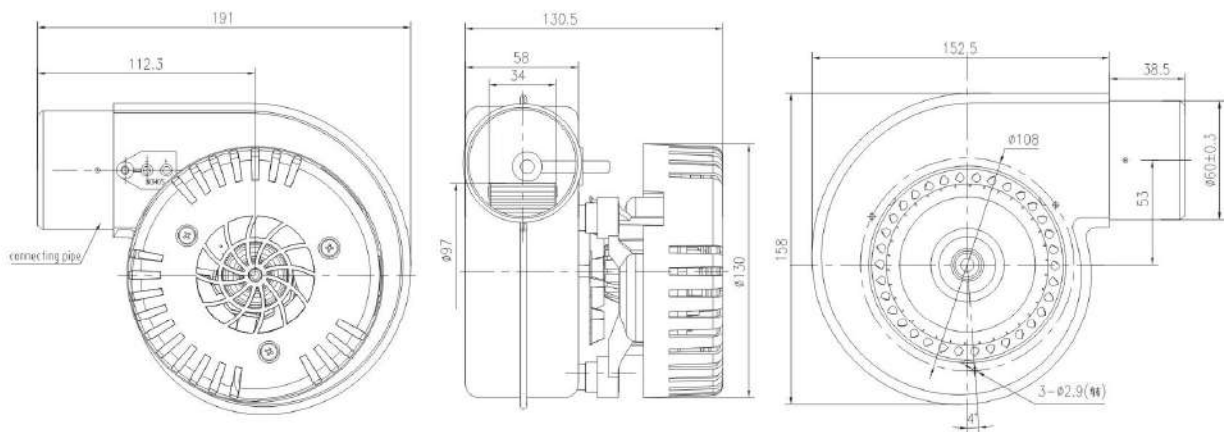


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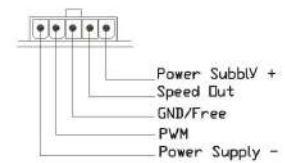
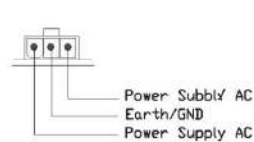
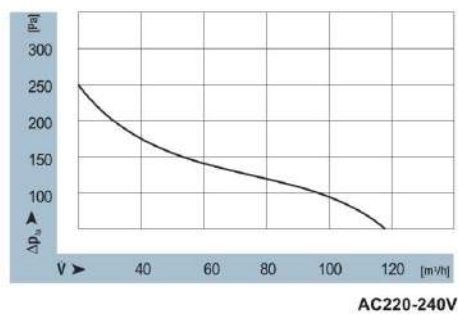


Rated voltage 额定电压	V	230VAC
Frequency 频率	Hz	50/60
Power input 输入功率	W	20
Max. speed 最大转速	RPM	2500
Max. air flow 最大风量	m3/h	118
Max. pressure 最大静压	PA	250
Net weight 净重	KG	0.8

Drawing



Curves

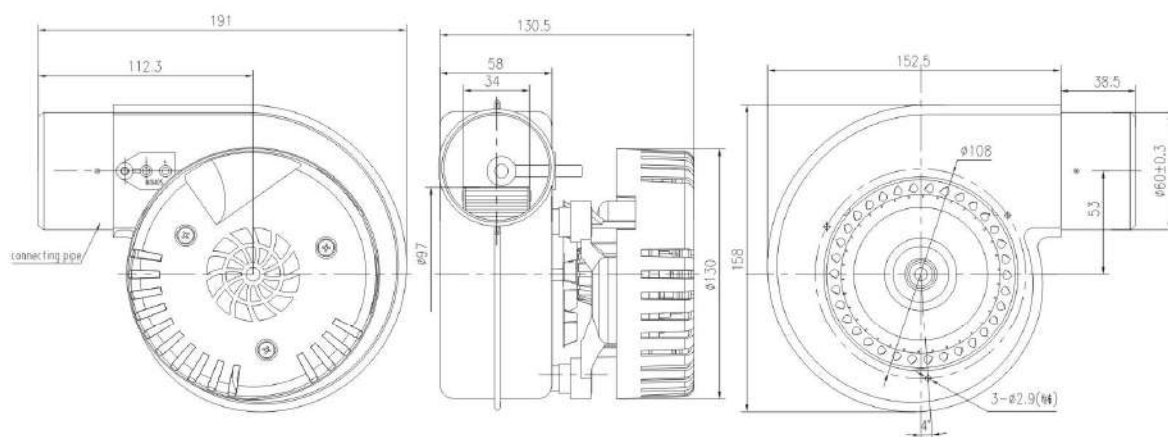


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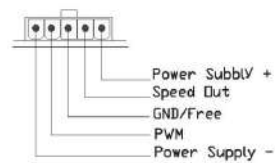
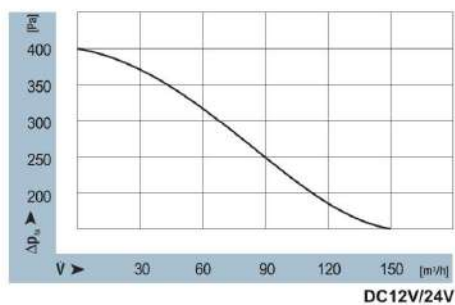


Rated voltage 额定电压	V	12/24VDC
Frequency 频率	Hz	/
Power input 输入功率	W	30
Max. speed 最大转速	RPM	3000
Max. air flow 最大风量	m3/h	150
Max. pressure 最大静压	PA	400
Net weight 净重	KG	0.8

Drawing



Curves



GP ENERGY-SAVING TECHNOLOGY CO.,LTD

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