

# AXIAL FAN MOTORS

# 风机产品目录

Wenbuluo

2026 V.1.0

江苏稳不落配线器材有限公司  
Wenbuluo Electrical Co.,Ltd



200+权威认证筑就品质长城

ISO9001质量管理体系 | 高新技术认证 | CE/UL/ROHS国际认证矩阵



**1** 外转子轴流风机  
Axial Fan Moto

P03~20



**2** 电气柜顶置风机  
Top mounted Fan of Electric Cabinet

P20~28



**3** 交流/直流散热风机  
Axial ac/dc Fan

P29~47



**4** EC 风机  
EC Fan

P48~51



**5** 温度控制器  
Temperature Controller

P52~58



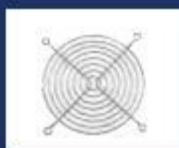
**6** 电加热器  
Heater

P59~65



**7** 过滤网组件  
Fan Filter

P66~84



**8** 金属防护网罩  
Metal Protection Mesh Cover

P85~86



**9** 防尘过滤网罩/塑料网罩  
Plastic Fan Guard/Filter Finger Guard

P87~89



# 外转子轴流风机

江苏稳不落配线器材有限公司  
Wenbuluo Electrical Co.,Ltd

# YWF

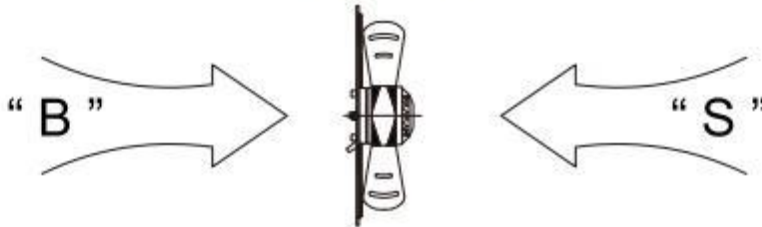
## Instruction of Model

### YWF 4 E - 500 B A

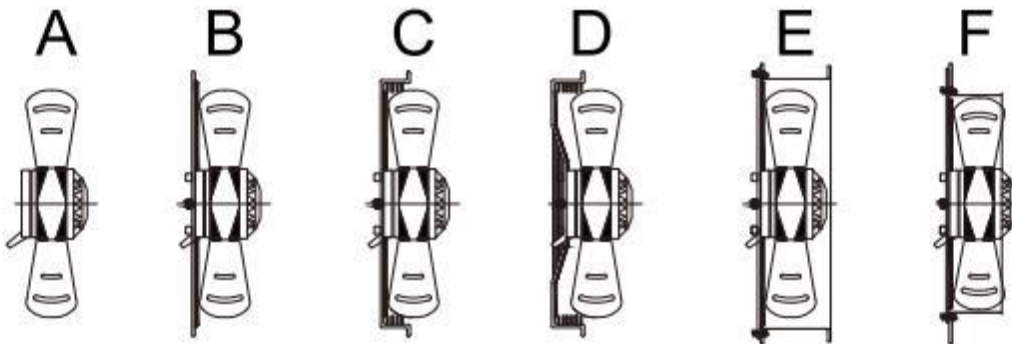
① ② ③ ④ ⑤ ⑥

- ① 异步外转子轴流风机/Axial Fans with asynchronous external rotor motor
- ② 电机极数/Number of poles
- ③ E:单相电机/Single-phase motor  
D:三相电机/Three-phase motor
- ④ 叶轮直径(mm)/Impeller diameter in mm
- ⑤ S:吸风/Sucking  
B:吹风/Blowing

风向/Direction of air



- ⑥ A: 不带网罩/Without guard
- B: 平板网罩/Flat guard grill
- C: 平网网罩/Flat guard grill with sidepiece
- D: 凹网网罩/Concave guard grill with sidepiece
- E: 导风筒/Inlet ring
- F: 导风面板形式/Inlet ring with mountingplate



依照客户需求可以不用网罩，改用圆形导风桶或方形导风板，如右图所示：

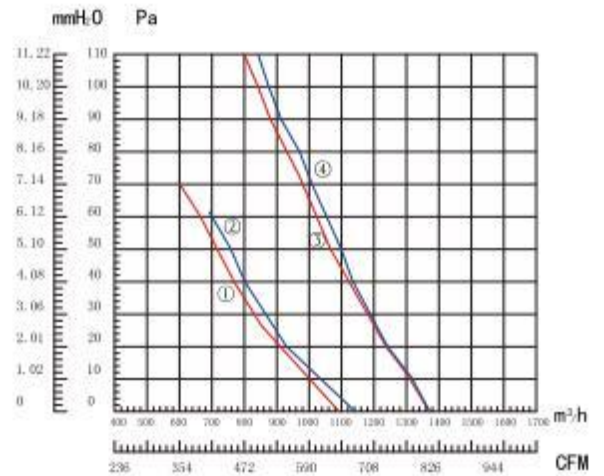
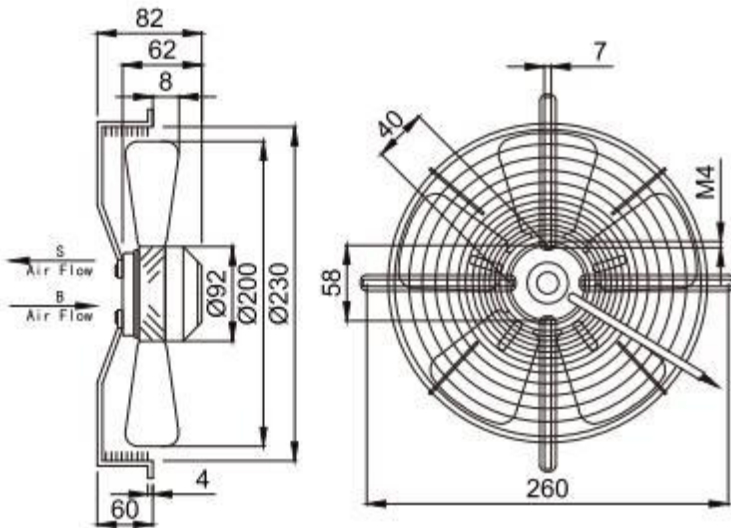
According to the customer demands, we can use circular ventilation barrels or square ventilation plates instead of mesh enclosures, as shown in the following figure.



外转子轴流风机

φ200

D

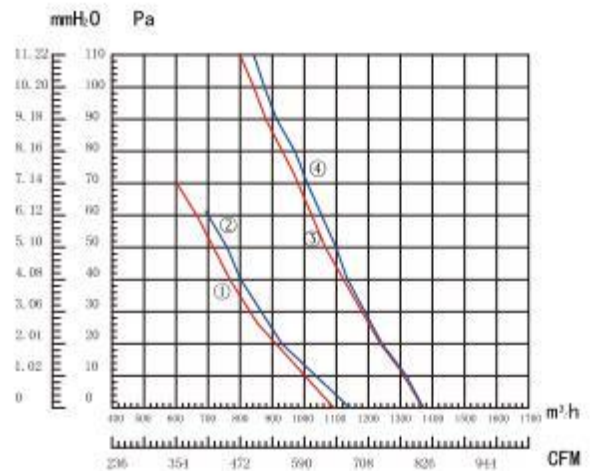
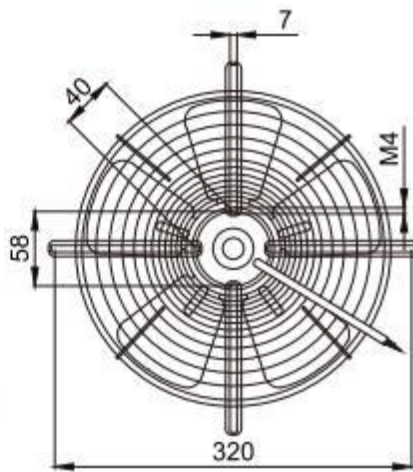
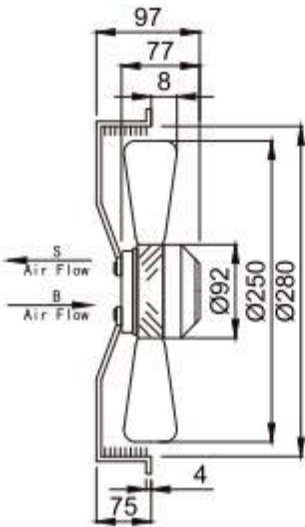


型号 Model	电压 Voltage V	频率 Frequency Hz	电流 Current Amp	输入功率 Input W	转速 Speed r/min	曲线编号 Curve no.	风量 Airflow M³/h	噪音 Noise dB(A)	电容 CAP μF	净重 NET Kg
YWF2D-200	380	50	0.15	47	2500	④	745	50	/	2.5
YWF2E-200	220	50	0.25	50	2500	③	745	50	2	2.5
YWF4D-200	380	50	0.10	25	1400	②	425	43	/	2.5
YWF4E-200	220	50	0.12	27	1400	①	425	43	1	2.5

注：如需定制特殊的电压、频率、风向请客户说明。

Note: We can customize the voltage, frequency and air flow according to your requirement.

D



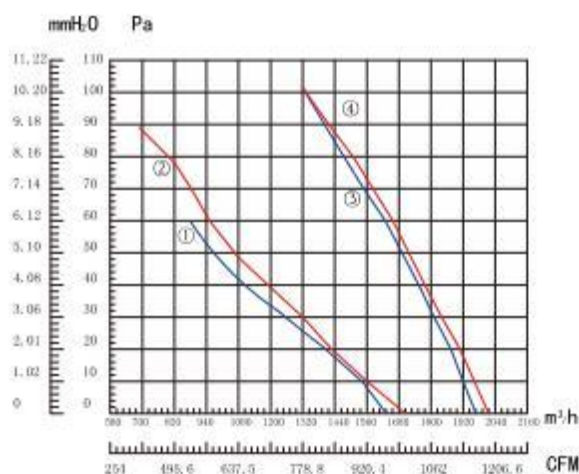
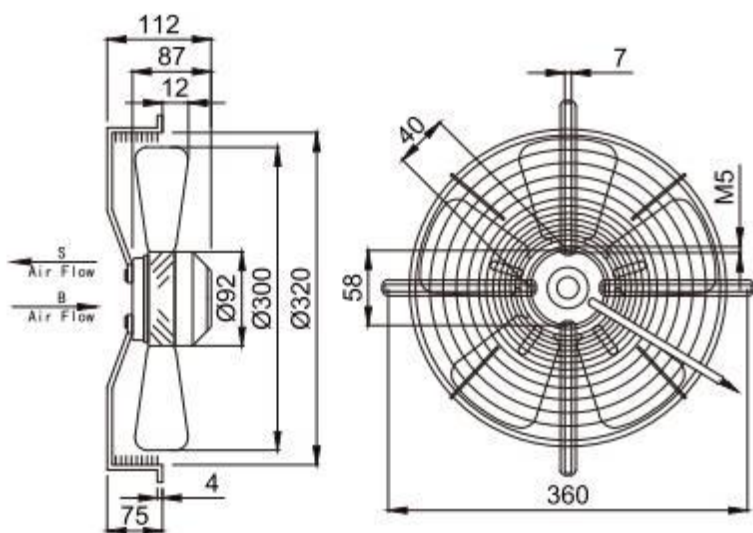
型号 Model	电压 Voltage V	频率 Frequency Hz	电流 Current Amp	输入功率 Input w	转速 Speed r/min	曲线编号 Curve no	风量 Airflow M <sup>3</sup> /h	噪音 Noise dB (A)	电容 CAP μF	净重 NET Kg
YWF2D-250	380	50	0.25	100	2550	④	1367	60	1	3
YWF2E-250	220	50	0.48	100	2550	③	1358	60	3	3
YWF4D-250	380	50	0.18	55	1400	②	1132	55	1	3
YWF4E-250	220	50	0.25	50	1400	①	1108	55	2	3

注：如需定制特殊的电压、频率、风向请客户说明。

Note: We can customize the voltage, frequency and air flow according to your requirement.

外转子轴流风机

φ300

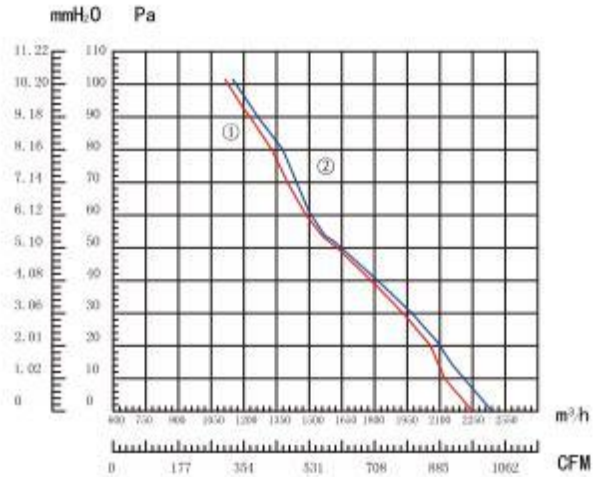
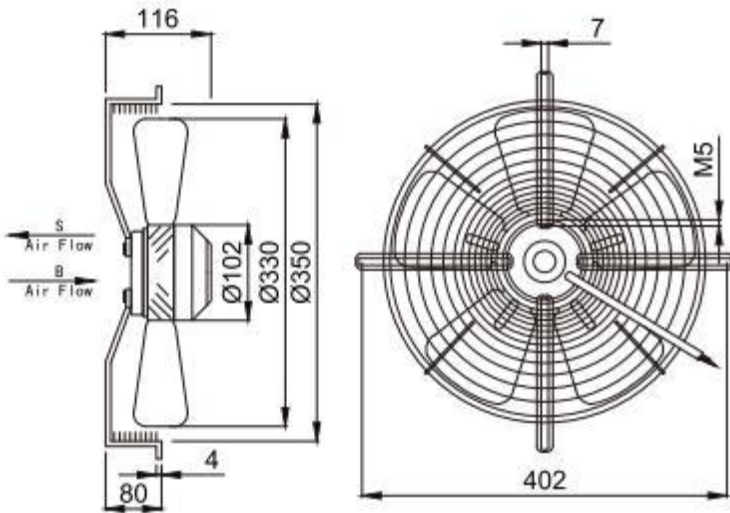


型号 Model	电压 Voltage V	频率 Frequency Hz	电流 Current Amp	输入功率 Input w	转速 Speed r/min	曲线编号 Curve no.	风量 Airflow M <sup>3</sup> /h	噪音 Noise dB (A)	电容 CAP μF	净重 NET Kg
YWF2D-300	380	50	0.40	136	2550	④	1968	60	/	3.3
YWF2E-300	220	50	0.55	125	2400	③	2000	60	4	3.3
YWF4D-300	380	50	0.28	90	1380	①	1645	58	/	3.3
YWF4E-300	220	50	0.42	85	1380	②	1716	58	3	3.3

注：如需定制特殊的电压、频率、风向请客户说明。

Note: We can customize the voltage, frequency and air flow according to your requirement.

D



型号 Model	电压 Voltage	频率 Frequency	电流 Current	输入功率 Input w	转速 Speed r/min	曲线编号 Curve no.	风量 Airflow M <sup>3</sup> /h	噪音 Noise dB (A)	电容 CAP μF	净重 NET Kg
YWF4D-330	380	50	0.30	105	1360	②	2319	62	/	3.5
YWF4E-330	220	50	0.52	110	1350	①	2235	62	4	3.5

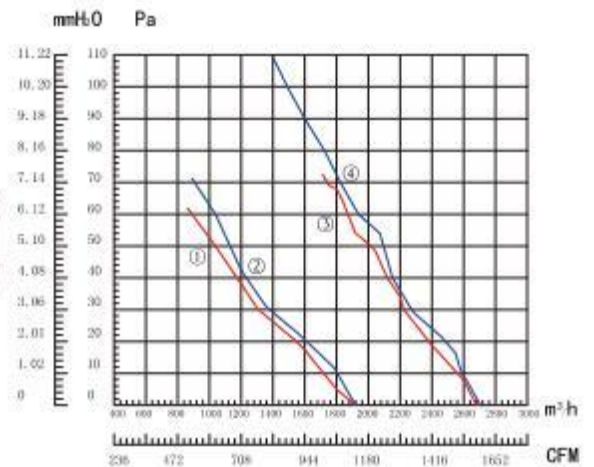
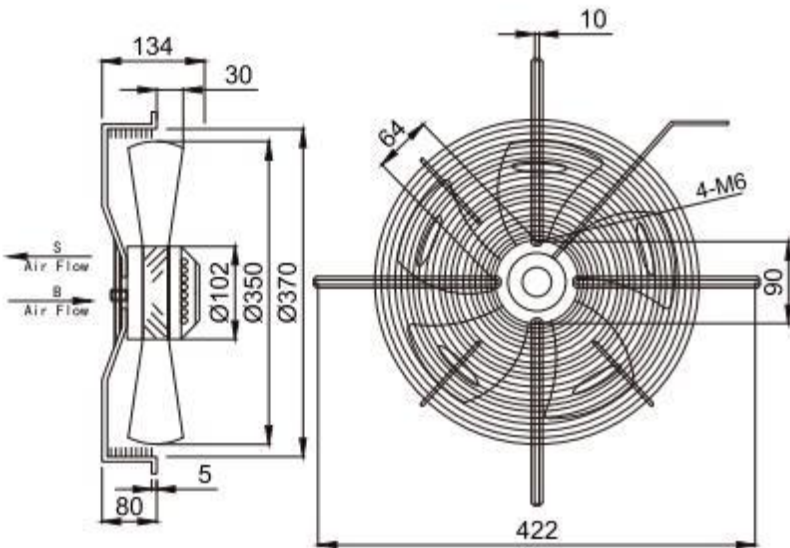
注：如需定制特殊的电压、频率、风向请客户说明。

Note: We can customize the voltage, frequency and air flow according to your requirement.

外转子轴流风机

Φ350

D

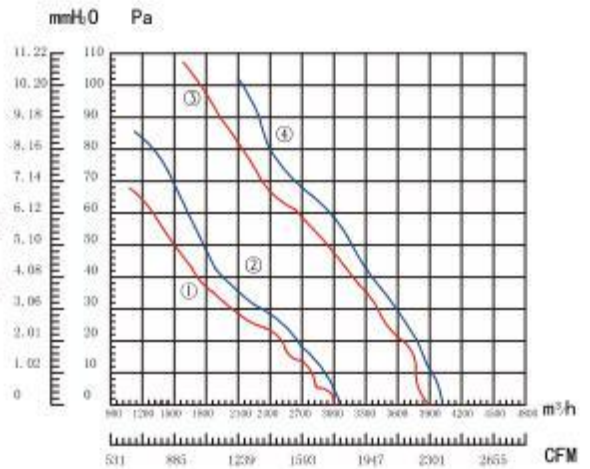
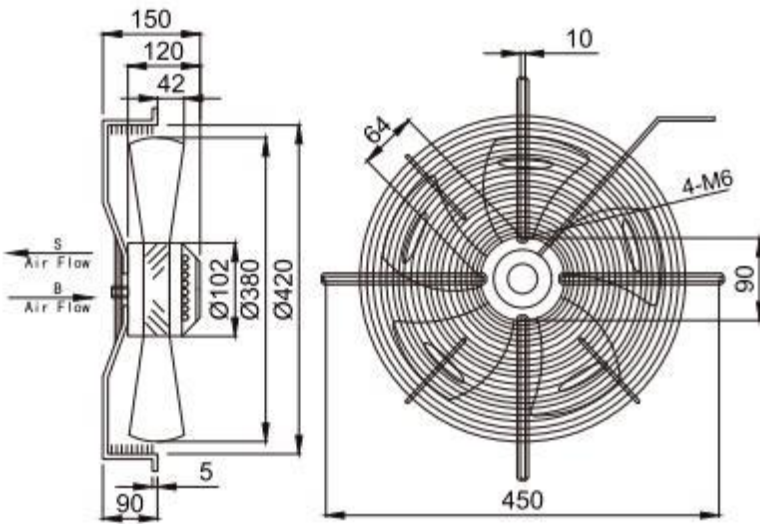


型号 Model	电压 Voltage	频率 Frequency	电流 Current	输入功率 Input w	转速 Speed	曲线编号 Curve no.	风量 Airflow M³	噪音 Noise dB	电容 CAP F	净重 NET
YWF4D-350	380	50	0.35	135	1360	④	2688	62	/	5.0
YWF4E-350	220	50	0.68	140	1350	③	2666	62	4	5.0
YWF6D-350	380	50	0.25	70	940	②	1920	56	/	5.0
YWF6E-350	220	50	0.40	80	950	①	1910	56	3	5.0

注：如需定制特殊的电压、频率、风向请客户说明。

Note: We can customize the voltage, frequency and air flow according to your requirement.

D



型号 Model	电压 Voltage	频率 Frequency	电流 Current	输入功率 Input w	转速 Speed r/min	曲线编号 Curve no.	风量 Airflow M <sup>3</sup> /h	噪音 Noise dB (A)	电容 CAP μF	净重 NET Kg
YWF4D-380	380	50	0.35	140	1380	④	3300	58	/	5.5
YWF4E-380	220	50	0.70	150	1360	③	3300	58	4	5.5
YWF6D-380	380	50	0.35	120	920	②	2650	55	/	5.5
YWF6E-380	220	50	0.55	110	920	①	2650	55	4	5.5

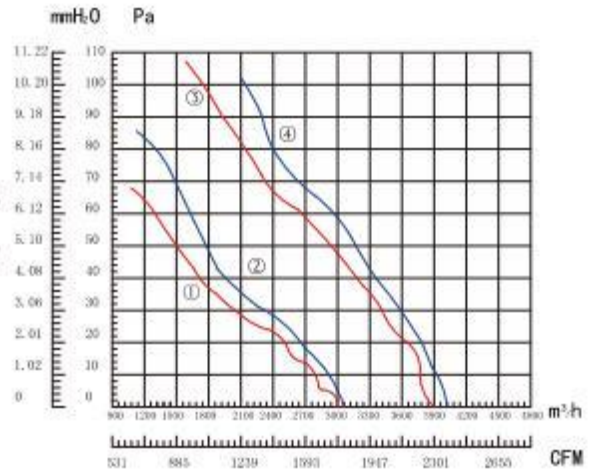
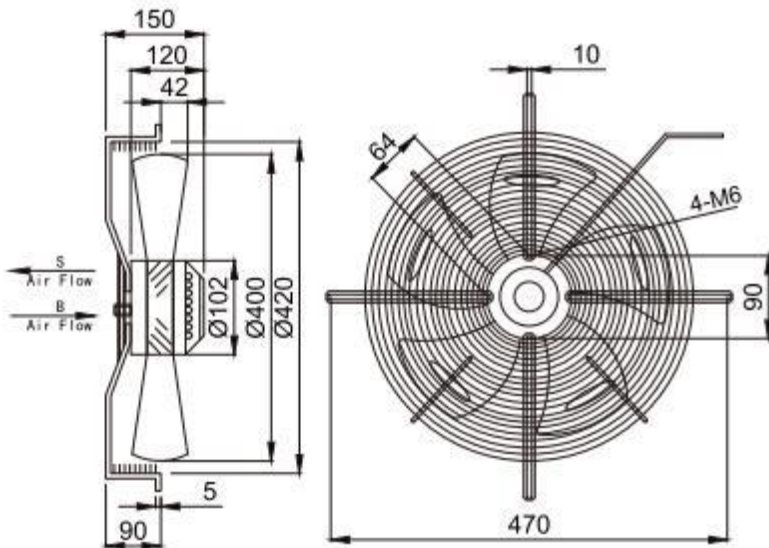
注：如需定制特殊的电压、频率、风向请客户说明。

Note: We can customize the voltage, frequency and air flow according to your requirement.

外转子轴流风机

Φ400

D



型号 Model	电压 Voltage	频率 Frequency	电流 Current	输入功率 Input w	转速 Speed r/min	曲线编号 Curve no.	风量 Airflow M³/h	噪音 Noise dB (A)	电容 CAP μF	净重 NET Kg
YWF4D-400	380	50	0.45	175	1380	④	4008	68	/	6.0
YWF4E-400	220	50	0.85	180	1360	③	3861	68	6	6.0
YWF6D-400	380	50	0.40	115	920	②	3060	58	/	6.0
YWF6E-400	220	50	0.60	115	920	①	2970	58	4	6.0

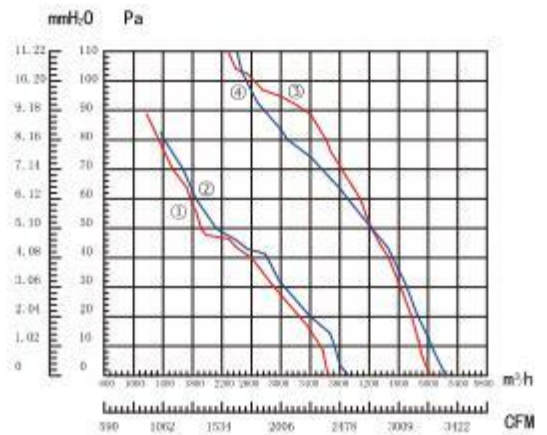
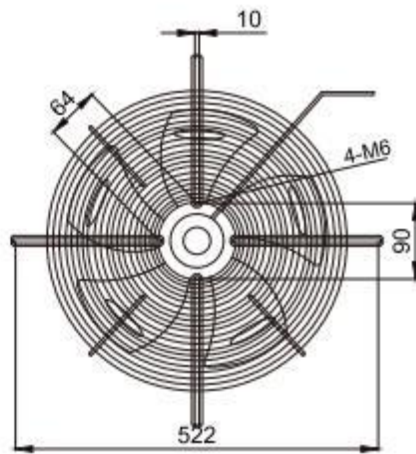
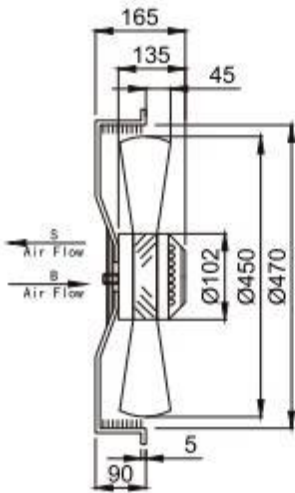
注：如需定制特殊的电压、频率、风向请客户说明。

Note: We can customize the voltage, frequency and air flow according to your requirement.

外转子轴流风机

φ450

D



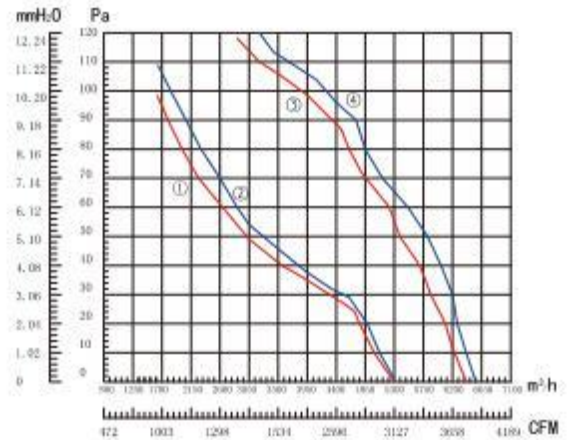
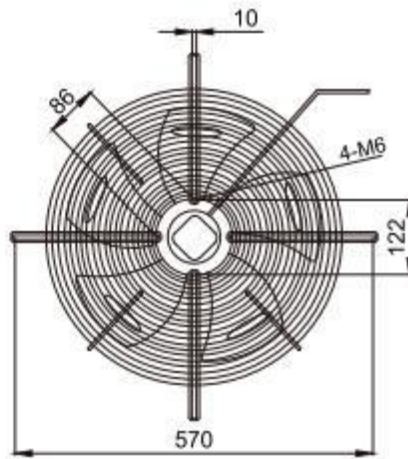
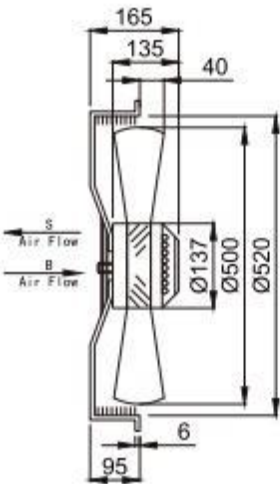
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YWF4D-450	380	50	0.62	230	1390	④	5180	68	/	7.5
YWF4E-450	220	50	1.10	230	1360	③	5000	68	8	7.5
YWF6D-450	380	50	0.35	120	910	②	3916	60	/	7.5
YWF6E-450	220	50	0.72	150	920	①	3616	60	6	7.5

注：如需定制特殊的电压、频率、风向请客户说明。

Note: We can customize the voltage, frequency and air flow according to your requirement.

外转子轴流风机

φ500

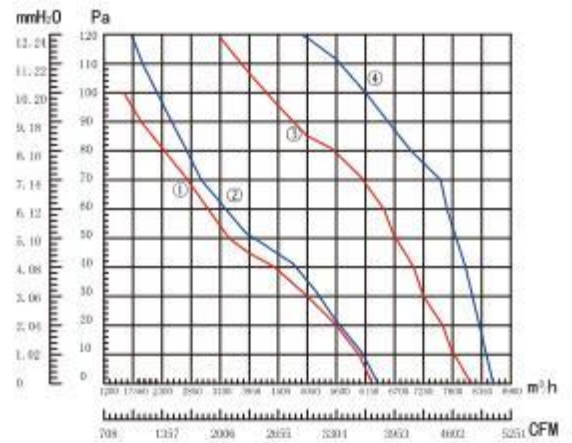
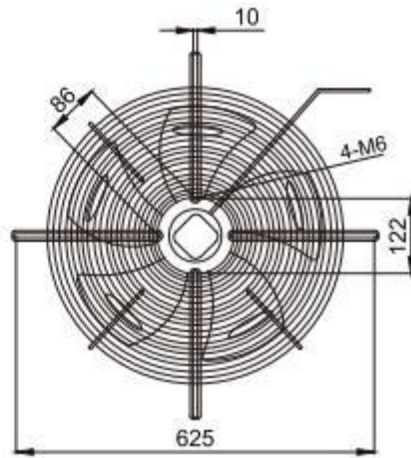
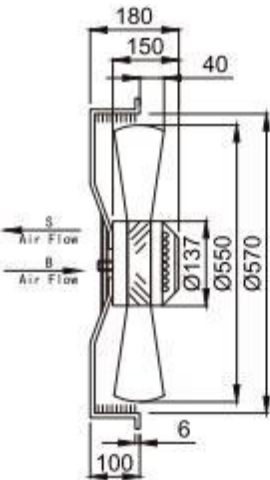


型号 Model	电压 Voltage	频率 Frequency	电流 Current	输入功率 Input w	转速 Speed r/min	曲线编号 Curve no.	风量 Airflow M <sup>3</sup> /h	噪音 Noise dB	电容 CAP μF	净重 NET Kg
YWF4D-500	380	50	0.85	420	1350	④	6568	72	/	10
YWF4E-500	220	50	1.75	380	1320	③	6420	72	10	10
YWF6D-500	380	50	0.62	220	920	②	5291	68	/	10
YWF6E-500	220	50	1.00	210	920	①	5278	68	10	10

注：如需定制特殊的电压、频率、风向请客户说明。

Note: We can customize the voltage, frequency and air flow according to your requirement.

D



型号 Model	电压 Voltage	频率 Frequency	电流 Current	输入功率 Input w	转速 Speed r/min	曲线编号 Curve no.	风量 Airflow M <sup>3</sup> /h	噪音 Noise dB (A)	电容 CAP μF	净重 NET Kg
YWF4D-550	380	50	0.98	485	1330	④	8716	75	/	10.5
YWF4E-550	220	50	2.20	460	1360	③	8240	75	12	10.5
YWF6D-550	380	50	0.85	320	900	②	6433	70	/	10.5
YWF6E-550	220	50	1.50	320	910	①	6312	70	12	10.5

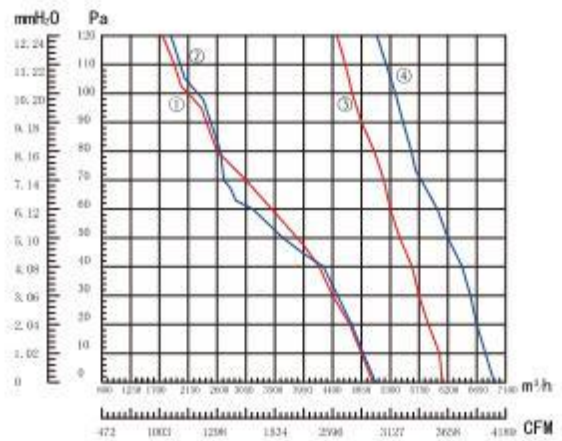
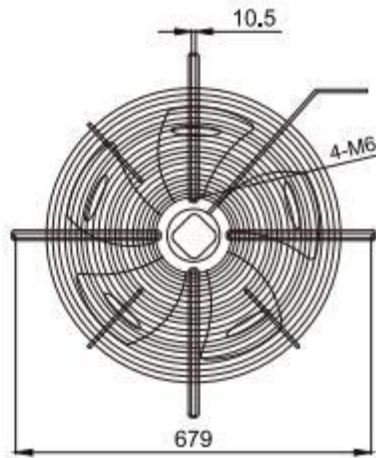
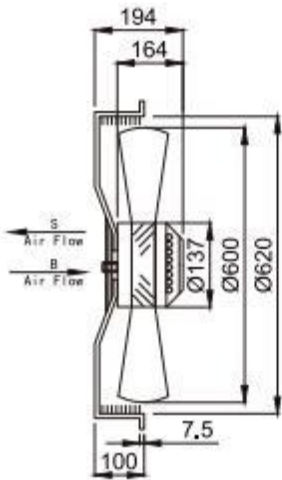
注：如需定制特殊的电压、频率、风向请客户说明。

Note: We can customize the voltage, frequency and air flow according to your requirement.

外转子轴流风机

Φ600

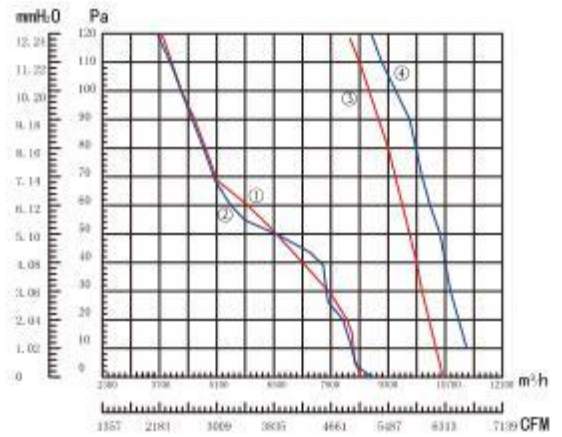
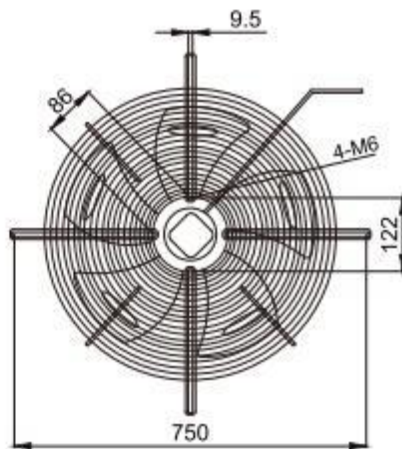
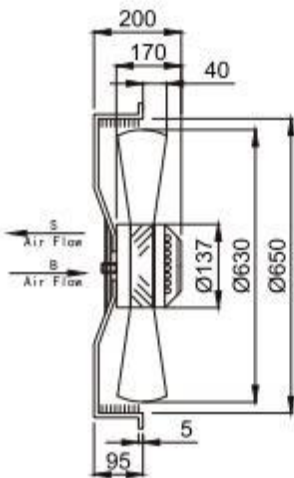
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型号 Model	电压 Voltage	频率 Frequency	电流 Current	输入功率 Input w	转速 Speed r/min	曲线编号 Curve no.	风量 Airflow M <sup>3</sup> /h	噪音 Noise dB	电容 CAP μF	净重 NET Kg
YWF4D-600	380	50	1.10	600	1350	④	11540	78	/	14
YWF4E-600	220	50	2.80	580	1380	③	10375	78	16	14
YWF6D-600	380	50	1.30	500	920	②	8901	72	/	14
YWF6E-600	220	50	2.40	500	910	①	8754	72	12	14

注：如需定制特殊的电压、频率、风向请客户说明。

Note: We can customize the voltage, frequency and air flow according to your requirement.



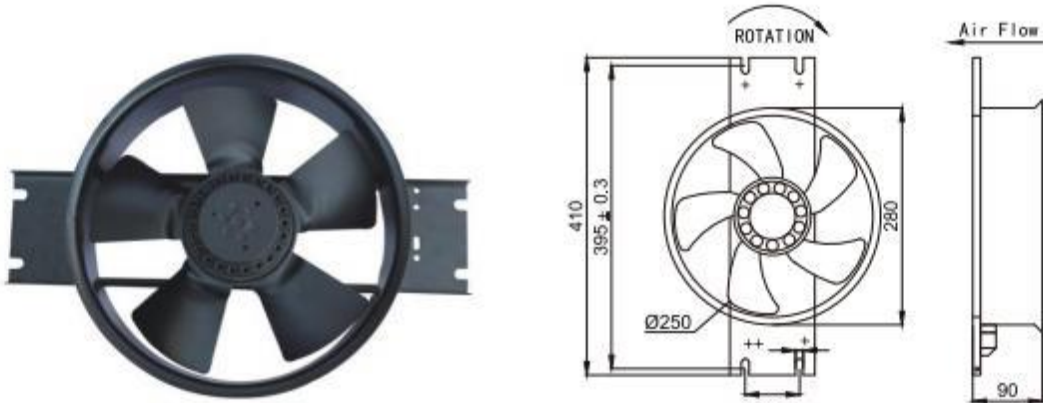
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YWF4D-630	380	50	1.20	650	1320	④	13040	75	/	15.4
YWF4E-630	220	50	2.80	620	1380	③	11648	75	16	15.4
YWF6D-630	380	50	1.40	550	900	②	9640	70	/	15.4
YWF6E-630	220	50	2.50	520	900	①	9600	70	12	15.4

注：如需定制特殊的电压、频率、风向请客户说明。

Note: We can customize the voltage, frequency and air flow according to your requirement.

外转子轴流风机

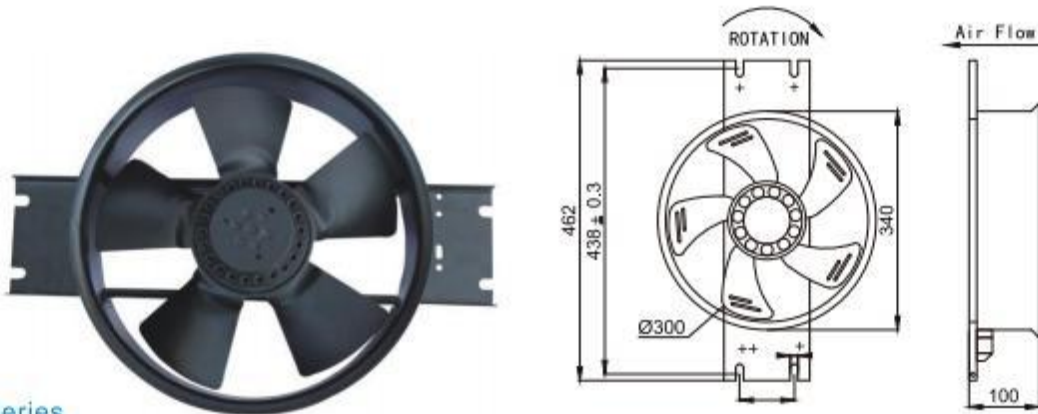
φ250/300



250ZY Series

型号 Model	频率 Frequency Hz	电压 Voltage V	轴承 Bearing Type	电流 Current Amp	功率 Power W	转速 Speed Rpm	风量 Airflow M <sup>3</sup> /h	噪音 Noise dB(A)	相数 Phase	电容 Capacitor μF/V
250ZY-4C	60	110	Ball	0.60	60	1500	1216	60	1	8
250ZY-4E	50	220	Ball	0.25	50	1400	1108	55	1	2
250ZY-4D	50	380	Ball	0.18	55	1400	1132	55	3	/
250ZY-2E	50	220	Ball	0.48	100	2550	1358	60	1	3
250ZY-2D	50	380	Ball	0.25	100	2550	1367	60	3	/

250=The diameter of fan blade,2=2 Pole,4=4 Pole,C=110V,E=220V,D=380V



300ZY Series

型号 Model	频率 Frequency Hz	电压 Voltage V	轴承 Bearing Type	电流 Current Amp	功率 Power W	转速 Speed Rpm	风量 Airflow M <sup>3</sup> /h	噪音 Noise dB(A)	相数 Phase	电容 Capacitor μF/V
300ZY-4C	60	110	Ball	0.70	85	1500	1760	60	1	10
300ZY-4E	50	220	Ball	0.42	85	1350	1716	58	1	3
300ZY-4D	50	380	Ball	0.28	90	1380	1645	58	3	/
300ZY-2E	50	220	Ball	0.55	125	2500	2000	60	1	4
300ZY-2D	50	380	Ball	0.40	135	2550	1968	60	3	/

300=The diameter of fan blade,2=2 Pole,4=4 Pole,C=110V,E=220V,D=380V

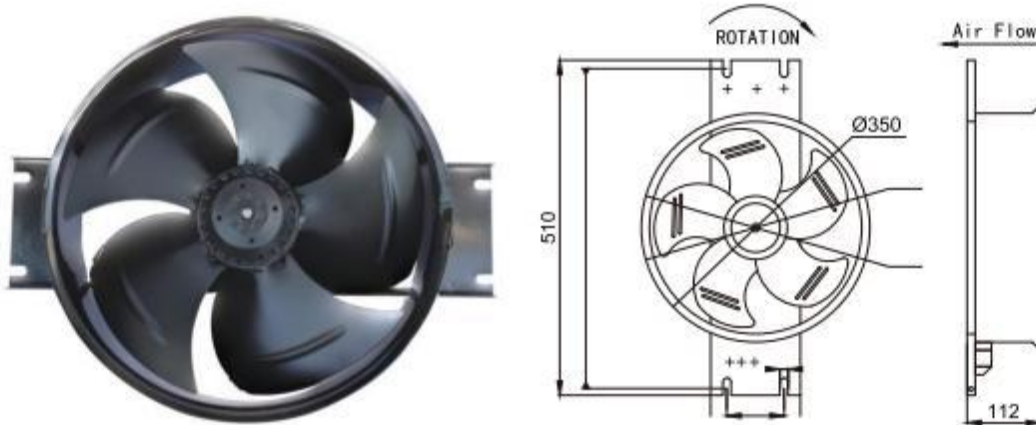
注：如需定制特殊的电压、频率、风向请客户说明。

Note: We can customize the voltage, frequency and air flow according to your requirement.

外转子轴流风机

φ350/400

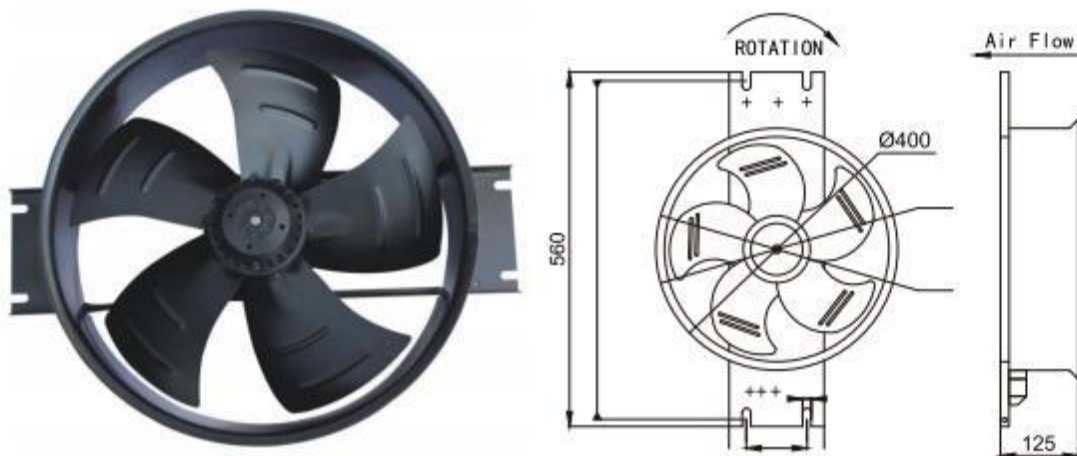
D



350ZY Series

型号 Model	频率 Frequency Hz	电压 Voltage V	轴承 Bearing Type	电流 Current Amp	功率 Power W	转速 Speed Rpm	风量 Airflow M <sup>3</sup> /h	噪音 Noise dB(A)	相数 Phase	电容 Capacitor μF/V
350ZY-4C	60	110	Ball	1.35	150	1430	2705	65	1	14
350ZY-4E	50	220	Ball	0.72	145	1350	2666	62	1	4
350ZY-4D	50	380	Ball	0.35	135	1360	2688	62	3	/

350=The diameter of fan blade,4=4 Pole,C=110V,E=220V,D=380V



400ZY Series

型号 Model	频率 Frequency Hz	电压 Voltage V	轴承 Bearing Type	电流 Current Amp	功率 Power W	转速 Speed Rpm	风量 Airflow M <sup>3</sup> /h	噪音 Noise dB(A)	相数 Phase	电容 Capacitor μF/V
400ZY-4C	60	110	Ball	1.50	180	1420	4031	68	1	16
400ZY-4E	50	220	Ball	0.85	180	1360	3861	68	1	6
400ZY-4D	50	380	Ball	0.45	175	1380	4008	68	3	/

400=The diameter of fan blade,4=4 Pole,C=110V,E=220V,D=380V

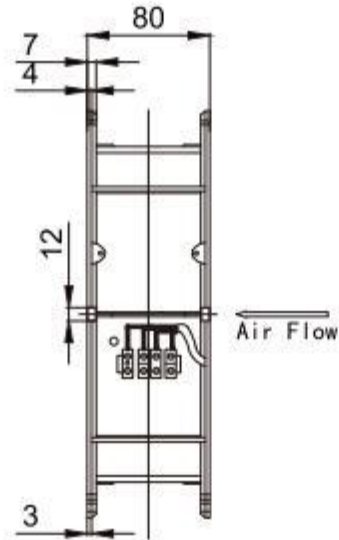
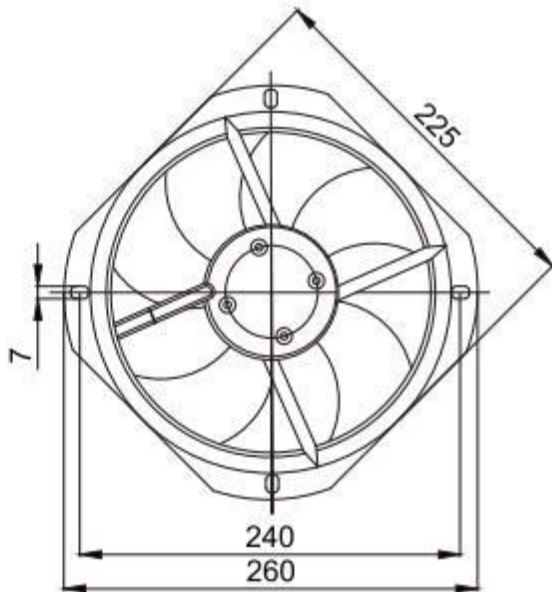
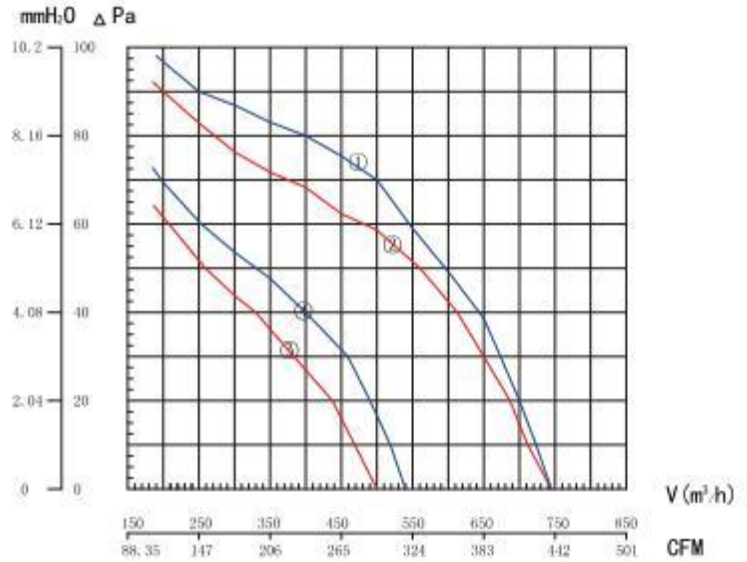
注：如需定制特殊的电压、频率、风向请客户说明。

Note: We can customize the voltage, frequency and air flow according to your requirement.

外转子轴流风机

Φ200WZL

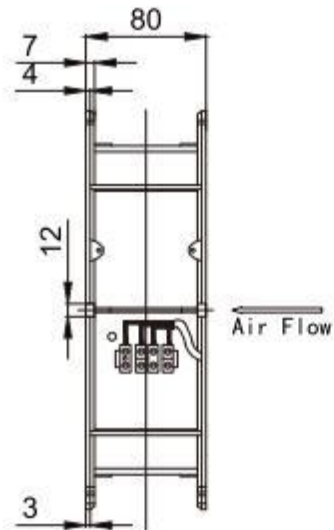
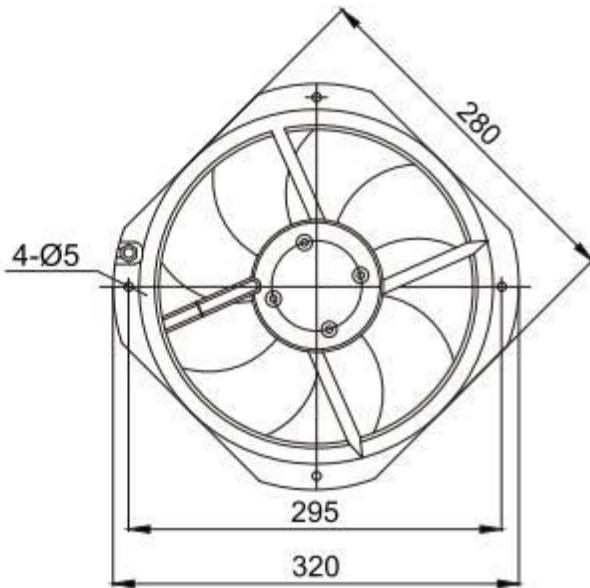
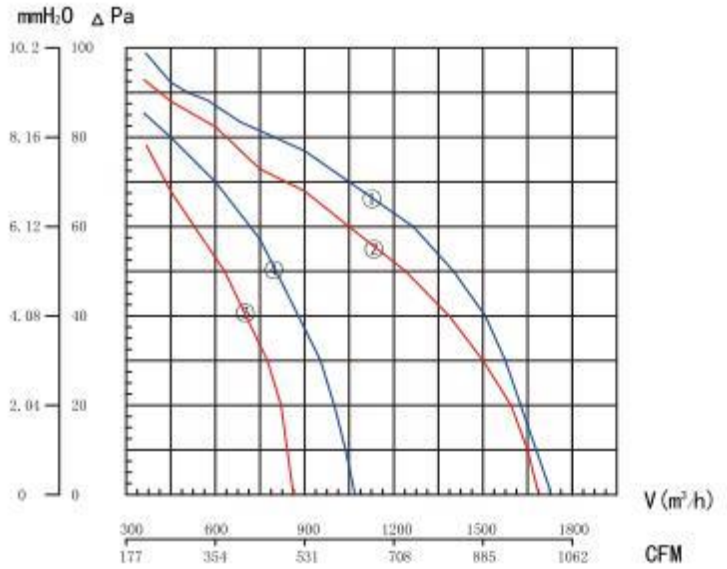
D



型号 Model	电压 Voltage	频率 Frequency	电流 Current	输入功率 Input w	转速 Speed r/min	曲线编号 Curve no.	风量 Airflow M <sup>3</sup> /h	噪音 Noise dB	电容 CAP μF	净重 NET Kg
200WZL-2E	220	50	0.30	55	2600	①	800	59	2	2
200WZL-2D	380	50	0.17	55	2600	②	800	59	/	2
200WZL-4E	220	50	0.20	35	1420	③	500	57	1.5	2
200WZL-4D	380	50	0.10	35	1470	④	540	57	/	2

注：如需定制特殊的电压、频率、风向请客户说明。

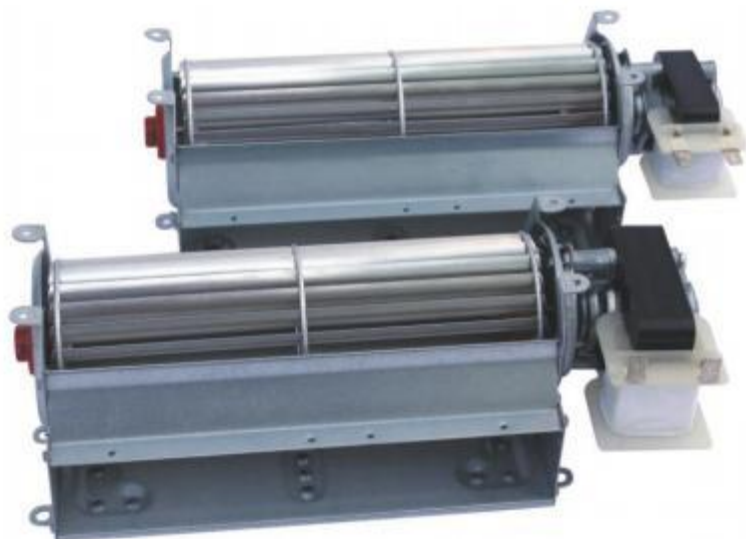
Note: We can customize the voltage, frequency and air flow according to your requirement.



型号 Model	电压 Voltage	频率 Frequency	电流 Current	输入功率 Input w	转速 Speed r/min	曲线编号 Curve no.	风量 Airflow M <sup>3</sup> /h	噪音 Noise dB (A)	电容 CAP μF	净重 NET Kg
250WZL-2E	220	50	0.42	95	2500	①	1580	61	3	2.5
250WZL-2D	380	50	0.19	95	2500	②	1580	61	/	2.5
250WZL-4E	220	50	0.22	45	1450	③	890	59	2	2.5
250WZL-4D	380	50	0.17	55	1450	④	1070	59	/	2.5

横流风机

YJF



型号说明

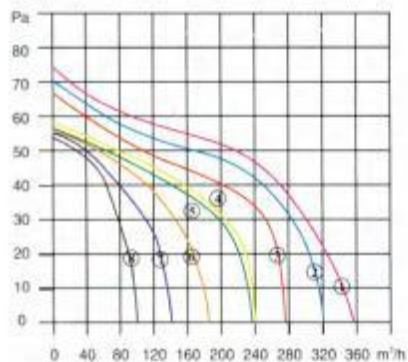
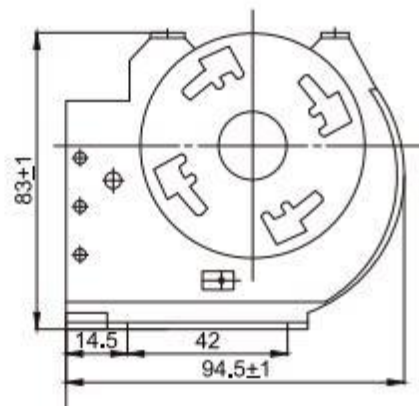
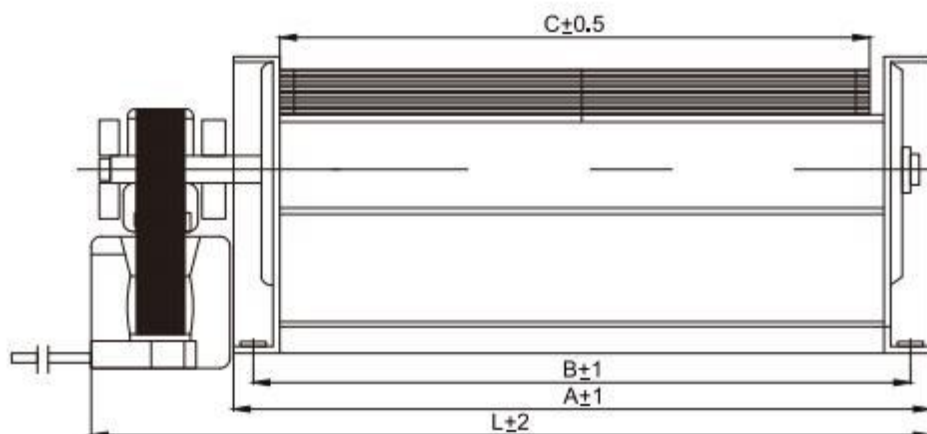
Instruction of Model

YJF 60.180

叶轮长度  
Wheel Length

叶轮直径  
Wheel Diameter

横流风机  
Cross Flow Motor



型号 MODEL	额定电压 VOLTAGE V	频率 FREQUENCY Hz	额定电流 CURRENT A	输入功率 INPUT W	转速 SPEED r/min	额定风量 AIR VOLUME m³/h	A mm	B mm	C mm	L mm	NO. ON THE CURVE
YJF60.480	220	50	0.55	60	1200	354	506	496	480	572	①
YJF60.420	220	50	0.54	62	1600	310	446	436	420	512	②
YJF60.360	220	50	0.50	58	1900	270	386	376	360	452	③
YJF60.310	220	50	0.45	47	1300	235	336	326	310	378	④
YJF60.300	220	50	0.35	40	1700	230	326	316	300	368	⑤
YJF60.240	220	50	0.32	38	2200	175	266	256	240	318	⑥
YJF60.180	220	50	0.20	32	2000	140	209	199	183	249	⑦
YJF60.120	220	50	0.19	22	2300	92	146	136	120	178	⑧

2



## 电气柜顶装风机

江苏稳不落配线器材有限公司  
Wenbuluo Electrical Co.,Ltd

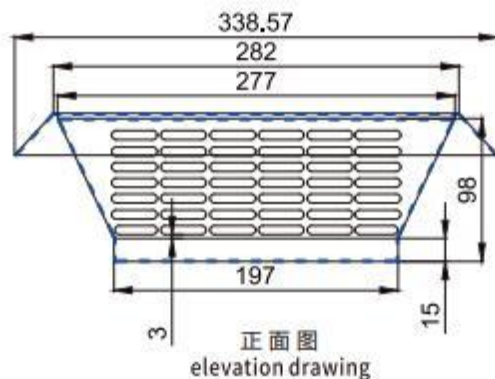
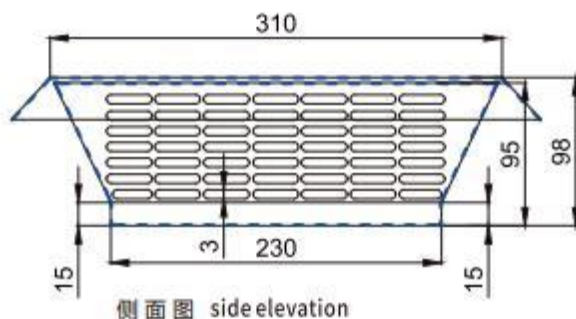
电气柜顶装风扇

ZD190

D



顶装风机型号 Model of the top-mounted fan	ZD190
电压频率 Voltage frequency	230V50/60Hz
空气流量 自由排风 Air flow/freed is charge of air	540/690m <sup>3</sup> /h
离心风机 Centrifugal fan	电容启动 Capacitor startup
额定电流 Rated current	0.39A
功率 Power	87W
噪音水平 Noise level	60/62 dBA
温度范围 Temperature range	-10℃至+55℃

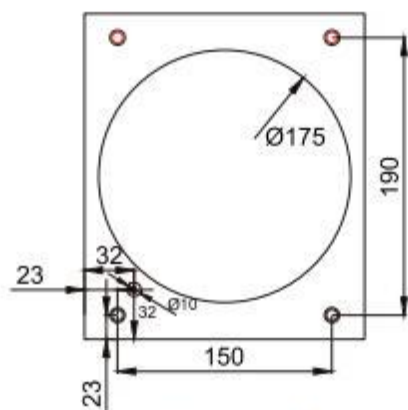


进风口过滤器数量、大小可根据实际情况而定。如有不锈钢外壳要求在相应的型号后面加B。本公司可根据客户要求提供不同电压产品。

The quantities and dimensions of inlet filters could be determined according to the actual situation. We can supply products with different voltages as required by clients.

进风口采用甲云系列的通风叶栅，可以防止潮湿和灰尘的进入。采用快速安装系统，只需要在柜体下方开个方孔。

Using JY series ventilation blade cascade at the inlet can prevent moisture and dust from entering the device. A quick-installation system with a square hole opened underneath the cabinet will be workable.

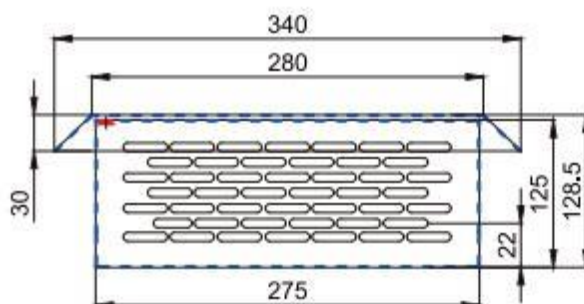


柜顶开孔尺寸图

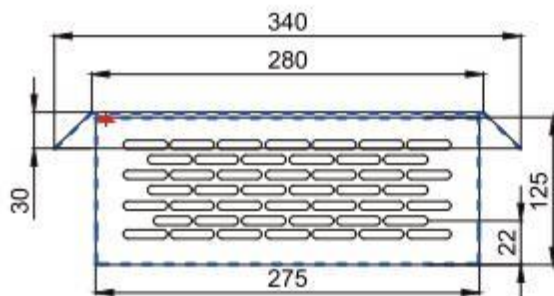
Hole dimension figure at the top of the cabinet



顶装风机型号 Model of the top-mounted fan	ZD225
电压频率 Voltage frequency	230V50/60Hz
空气流量自由排风 Air flow/free discharge of air	1140/1380m <sup>3</sup> /h
离心风机 Centrifugal fan	电容启动 Capacitor startup
额定电流 Rated current	0.80A
功率 Power	160W
噪音水平 Noise level	71/73dB(A)
温度范围 Temperature range	-10℃至 +55℃



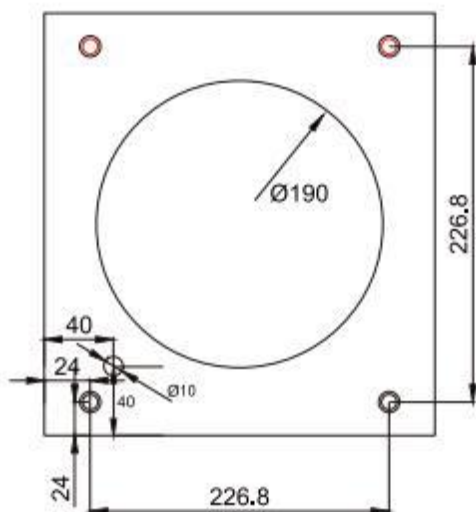
侧面图  
side elevation



正面图  
elevation drawing

进风口过滤器数量、大小可根据实际情况而定。如有不锈钢外壳要求请在相应的型号后面加B。本公司可根据客户要求提供不同电压产品。

The quantities and dimensions of inlet filters could be determined according to the actual situation. We can supply products with different voltages as required by clients.



柜顶开孔尺寸图

Hole dimension figure at the top of the cabinet



进风口采用甲云系列的通风叶栅，可以防止潮湿和灰尘的进入。采用快速安装系统，只需要在柜体下方开个方孔。

Using JY series ventilation blade cascade at the inlet can prevent moisture and dust from entering the device. a quick-installation system with a square hold opened underneath the cabinet will be workable

电气柜顶装风扇

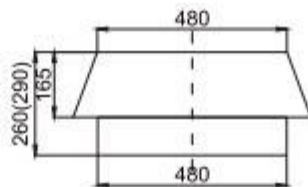
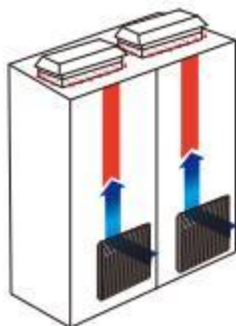
ZD60260/60290



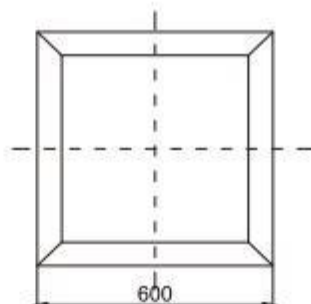
可定制不锈钢材质  
Customizable stainless steel

600x600x260/290mm 2500 3150 m<sup>3</sup>/h

颜色	RAL7035颜色可定制
防护等级	IP54常规, IP55加精密过滤垫, IP56加精密过滤垫及防护罩



侧面图  
side elevation



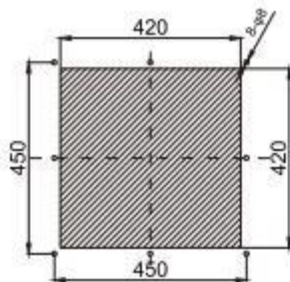
顶视图  
top elevation

安装条件:

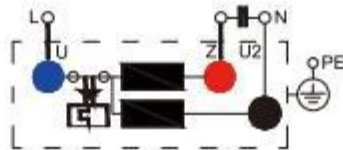
- 环境温度要低于控制柜内所要求的温度。
- 当机柜内空间不足以安装侧装式过滤风扇时,可考虑使用顶装风机。
- 柜顶装风机通过把控制柜顶部的热空气抽出,同时把柜内热量驱散出柜外,从而保护控制柜内的电气元件。
- 采用离心风机既能避免普通屏蔽磁极风机排出形成涡流性质的旋风,又能降低空气互相摩擦产生的噪音。

Installation conditions:

- The ambient temperature should be lower than the temperature required in the control cabinet.
- When the space in the cabinet is not enough to install the side-mounted filter air. Consider using top-mounted fan.
- Top-mounted fan on the top of the cabinet by putting the hot air on the top of the control cabinet draw out, at the same time dissipate the heat inside the cabinet out of the cabinet from And protect the electrical components in the control cabinet.
- The use of centrifugal fan can avoid common shielded magnetic pole wind the machine discharges the whirlwind that forms a vortex which can be reduced noise caused by air rubbing against each other.



柜顶开孔尺寸图  
Hole dimension figure at the top of the cabinet



电气接线图  
Connection diagram

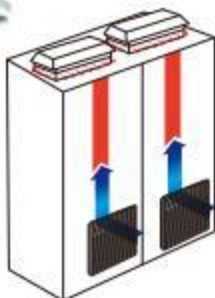
顶装风机型号 Model of the top-mounted fan	ZD60260	ZD60290
额定电压 / 功率 Rated voltage V/Hz	230V, 50	230V, 50
空气流量自由排风 Air flow/free discharge of air(m <sup>3</sup> /h)	2500	3150
额定电流 Rated current (A)	0.80/1.20	1.18
启动形式 Startup type	电容 Capacitor startup	电容 Capacitor startup
额定功率 Rated power (W)	180/270	180/270
噪音水平 Noise level dB(A)	66/68	70
工作温度范围 Temperature range	-25...+60	-25...+60
外形尺寸 Dimensions (mm)	600x260x600	600x290x600
风机规格 Fan specification (mm)	φ 355	φ 400
开孔尺寸 Hole dimension (mm)	420x420	450x450

电气柜顶装风扇

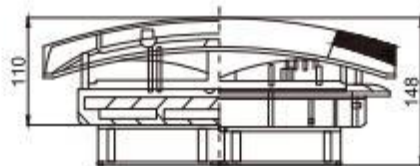
ZD600

350x350x148mm 415-500 m<sup>3</sup>/h

颜色	RAL7035颜色可定制
防护等级	IP54常规, IP55加精密过滤垫, IP56加精密过滤垫及防护罩



开合示意图  
open/fit drawing



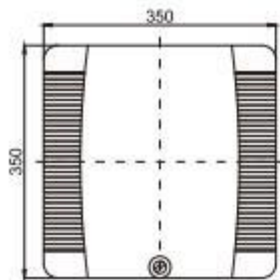
侧面图  
side elevation



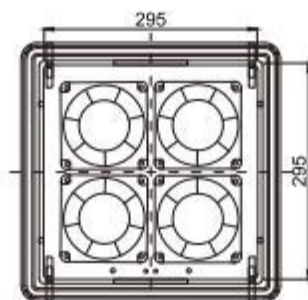
采用创新的卡扣固件, 可轻松锁紧  
Using innovative snap fasteners,  
Can be easily locked

产品特性

- 安装快捷, 可直接卡扣无需螺丝固定。
- 卡扣可调, 适应不同厚度机柜1.5-3.5mm。
- IP54, 标配G3 等级过滤棉。
- 快速更换过滤棉, 无需工具, 直接打开顶部旋钮。
- 标准色为RAL7035, 其他颜色可按要求定制。
- 交流电压为常规标配, 直流可定制。
- The installation is quick and can be snapped directly without screws.
- The buckle is adjustable to adapt to different thickness cabinets 1.5-3.5mm.
- IP54, standard G3 grade filter cotton.
- Quickly change the filter cotton, without tools, directly open the top knob.
- The standard color is RAL7035, other colors can be customized according to requirements.
- The AC voltage is conventional and DC can be customized.



顶视图  
top elevation



底视图  
bottom elevation

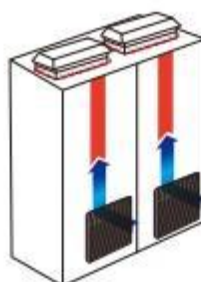
顶装风机型号 Model of the top-mounted fan	ZD600.230	ZD600.115	ZD600.024
额定电压 Rated voltage V	230V	115V	24V(DC)
额定功率 Rated power Hz	50/60	50/60	
空气流量自由排风 Air flow/free discharge of air(m <sup>3</sup> /h)	415 / 500	415 / 500	430 / 500
额定电流 Rated current (A)	0.14 / 0.1	0.24 / 0.18	0.28 / 0.35
功率 Power (W)	19 / 14	19 / 14	7.7
噪音水平 Noise level dB(A)	46 / 48	46 / 48	47 / 49
工作温度范围 Temperature range	-30...+70	-30...+70	-30...+70
外形尺寸 Dimensions (mm)	350x350x148	350x350x148	350x350x148
风机规格 Fan specification (mm)	120x120x38*4	120x120x38*4	120x120x38*4
开孔尺寸 Hole dimension (mm)	295x295	295x295	295x295

电气柜顶装风扇

ZD700/1400

350x350x178mm 580-1400 m<sup>3</sup>/h

颜色	RAL 7035颜色可定制
防护等级	IP54常规, IP55加精密过滤垫, IP56加精密过滤垫及防护罩



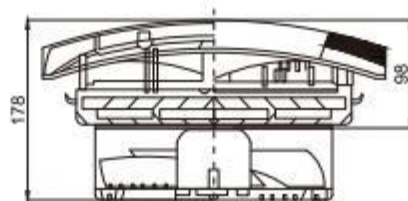
开合示意图  
open/Fit drawing

产品特性:

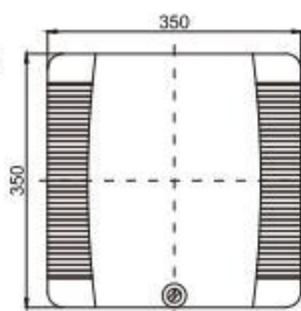
- 安装快捷, 可直接卡扣无需螺丝固定.
  - 卡扣可调, 适应不同厚度机柜1.5-3.5mm.
  - IP54, 标配G3 等级过滤棉.
  - 快速更换过滤棉, 无需工具, 直接打开顶部旋钮.
  - 标准色为RAL7035, 其他颜色可按要求定制.
  - 交流电压为常规标配, 直流可定制.
- The installation is quick and can be snapped directly without screws.
  - The buckle is adjustable to adapt to different thickness cabinets 1.5-3.5mm.
  - IP54, standard G3 grade filter cotton.
  - Quickly change the filter cotton, without tools, directly open the top knob.
  - The standard color is RAL7035, other colors can be customized according to requirements.
  - The AC voltage is conventional and DC can be customized.



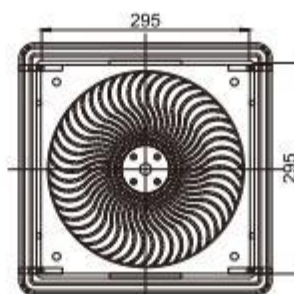
采用创新的卡扣固件, 可轻松锁紧  
Using innovative snap fasteners,  
Can be easily locked



侧面图  
side elevation



顶视图  
top elevation

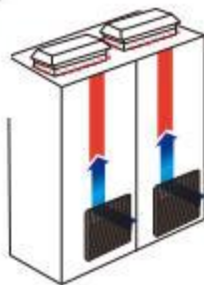


底视图  
bottom elevation

顶装风机型号 Model of the top-mounted fan	ZD700.230	ZD700.115	ZD1400.230	ZD1400.115
额定电压/功率 Rated voltage V/Hz	230V,50/60	15V,50/60	230V,50/60	115V,50/60
空气流量自由排风 Air flow/free discharge of air(m <sup>3</sup> /h)	580/700	580/700	1150/1400	1150/1400
额定电流 Rated current(A)	0.35/0.28	0.65/0.58	0.60/0.46	0.95/1.20
启动形式 Startup type	Capacitor startup	Capacitor startup	Capacitor startup	Capacitor startup
额定功率 Rated power(W)	63/79	61/71	140/100	140/100
噪音水平 Noise level dB(A)	55/57	55/57	63/65	63/65
工作温度范围 Temperature range	-30...+70	-30...+70	-30...+70	-30...+70
外形尺寸 Dimensions (mm)	350x350x178	350x350x178	350x350x178	350x350x178
风机规格 Fan specification (mm)	Φ200	Φ200	Φ250	Φ250
开孔尺寸 Hole dimension (mm)	295x295	295x295	295x295	295x295

400x133x400mm 500-942 m<sup>3</sup>/h

颜色	RAL7035颜色可定制
防护等级	IP54常规, IP55加精密过滤垫, IP56加精密过滤垫及防护罩



卡扣示意图  
open/Fit drawing



采用创新的卡扣固件, 可轻松锁紧  
Using innovative snap fasteners, Can be easily locked

- 产品特性
- 安装和维护非常简单
- 创新的卡扣固件支持从外部或内部灵活地锁紧风扇
- 通过插头可轻松实现电气连接  
易于检修, 让用户能快速更换风扇的过滤垫
- 颜色: RA7035  
防护等级, 符合C60529  
标准: 1P22, 无过滤垫; IP55, 带过滤垫
- 大输出范围和高效率  
风量输出范围: 500/1500m<sup>3</sup>h  
高防护等级
- 精致的迷宫式密封结构及高质量的海绵密封, 标准• 防护等级高达IP55
- 国际认证和许可

- Product Features
- Simple installation and maintenance  
Innovative snap-on firmware supports flexible fan locking  
from outside or inside
- Easy electrical connection via plug  
Easy to overhaul, allowing users to quickly replace the fan's filter pad
- Color: RA7035  
Protection level, accord with C60529  
Standard: 1P22, without filter pad; IP55, with filter pad
- Large output range and high efficiency  
Air volume output range: 500/1500m<sup>3</sup>h
- High protection level
- Exquisite labyrinth seal structure and high-quality foam seal  
standard protection level up to IP55
- International certification and licensing

备注: 为确保高效利用, 我们建议使用温度控制器或温度显示器。  
供货范围: 可直接安装的整套装置, 包括过滤垫。  
Remarks: To ensure efficient use, we recommend using  
Temperature controller or temperature display.  
Scope of supply: complete set of devices that can be directly installed, including filter mat.

顶装风机型号 Model of the top-mounted fan		ZD3139.230 C115V. 400V 可定制	ZD3140.230 C115V. 400V 可定制	ZD3140.230 C115V. 400V 可定制
额定电压/功率 Rated voltage	V	230	230	230
额定功率 Rated power	Hz	50/60	50/60	50/60
相位 Phase	ph	1	1	1
输出风量(无过滤垫) Output air volume (without filter mat)	m <sup>3</sup> /h	570/620	873/965	1300/1450
输出风量(带过滤垫) Output air volume (add filter mat)	m <sup>3</sup> /h	456/496	725/759	1050/1180
额定电流 Rated current	A	0.27/0.22	0.56/0.43	0.99/0.88
预熔断电流 Pre-fuse current	A	6	6	6
电机断路器 Motor breaker	A			
额定功率 Rated power	W	62/50	130/98	180/135
宽度×高度×深度 Weight×High×Depth	mm	400x133x400	400x133x400	400x133x400
最大安装深度 Maximum installation depth	mm	34.6	34.6	34.6
安装尺寸 Hole dimension	mm	258x258	258x258	258x258
风扇 Fan		离心式, 电容电机 Centrifugal capacitor motor		
工作温度范围 Work temperature range	°C	-30...+55		
存储温度范围 Storage temperature range	°C	-40...+70		

电气柜顶装风扇

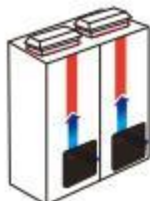
ZD670/950/1410

D



366x366x98mm 620-1410 m³/h

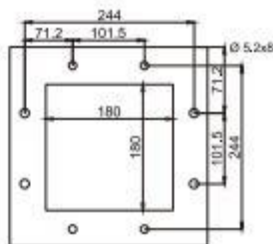
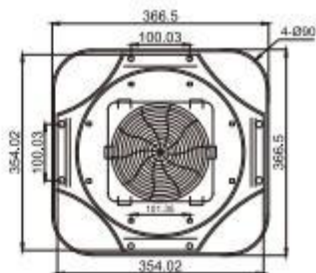
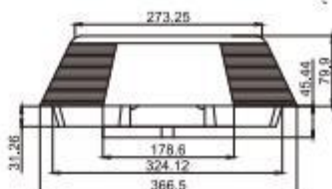
颜色	RAL 7035颜色可定制
防护等级	IP54常规, IP55加精密过滤垫, IP56加精密过滤垫及防护罩



温度  
Temperature



湿度  
Humidity



进风口采用SG系列的通风叶栅, 可以防止潮湿和灰尘的进入。采用快速安装系统, 只需要在柜体下方开个方孔。

The air inlet adopts SG series ventilation cascade to prevent ingress of moisture and dust. Using a quick installation system, just need to open a square hole under the cabinet.

技术说明: 使用顶装风机前提条件:

是环境温度要低于控制柜内所要求的温度。当柜内空间不足以安装侧装式过滤风扇时, 可考虑使用顶装风机。柜机装风机通过把控制柜顶部的热空气抽出, 同时把柜内热量驱散出柜外, 从而保护控制柜内的电气元件在可控的温度范围内运行。并且不占用内部空间, 结构更加合理。大功率的离心风机采用“抽”的方式安装, 通过迷宫式的防漏功能, 既能防止机械性的损伤又有防止潮湿的侵入, 加上密封框的作用, 防护等级按EN60529/10.91 可达到IP54。离心式风机主要能最大效率的排出高热负载。采用离心式风机既能避免普通屏蔽磁极风机排出形成涡流性质的旋风, 又能降低空气相互摩擦而产生的噪音。

Technical Note:

The prerequisite for using top-mounted fans is that the ambient temperature is lower than the temperature required in the control cabinet. When the space in the cabinet is not enough to install the side-mounted filter fan, consider using a top-mounted fan. The fan installed in the cabinet is protected by removing the hot air at the top of the control cabinet and dissipating the heat inside the cabinet out of the cabinet. The electrical components in the control cabinet operate within a controllable temperature range. And does not occupy internal space, the structure is more reasonable.

The high-power centrifugal fan is installed in a "pumping" mode, which can prevent mechanical damage also prevents the intrusion of moisture, plus the effect of the sealing frame, the protection level can reach IP54 according to EN60529 / 10.91 Centrifugal fans can discharge high heat loads with maximum efficiency. Using centrifugal fan can avoid common shielding magnetic pole. The blower fan forms a whirlwind of vortex nature, and can reduce the noise caused by the friction of the air.

顶装风机型号 Model of the top-mounted fan	ZD670	ZD950	ZD1410
额定电压/功率 Rated voltage	V	230V	230V
额定频率 Rated frequency	Hz	50/60	50/60
空气流量 Air flow	m³/h	620	910
自由排风 Free discharge of air	m³/h	670	950
离心风机 Centrifugal fan	电容启动 Capacitor start	电容启动 Capacitor start	电容启动 Capacitor start
额定电流 Rated current	A	0.31/0.24	0.38/0.36
额定功率 Rated power	W	72/56	88/82
噪音水平 Noise level	dB(A)	55/56	60/62
工作温度范围 Work temperature range	°C	-10-55	-10-55

进风口过滤器数量, 大小可根据实际情况而定。本公司可依据客户要求提供不同电压产品。

The number and size of air inlet filters, according to the actual situation,

The company can provide different voltage products according to customer requirements.

3



## 交流/直流风扇

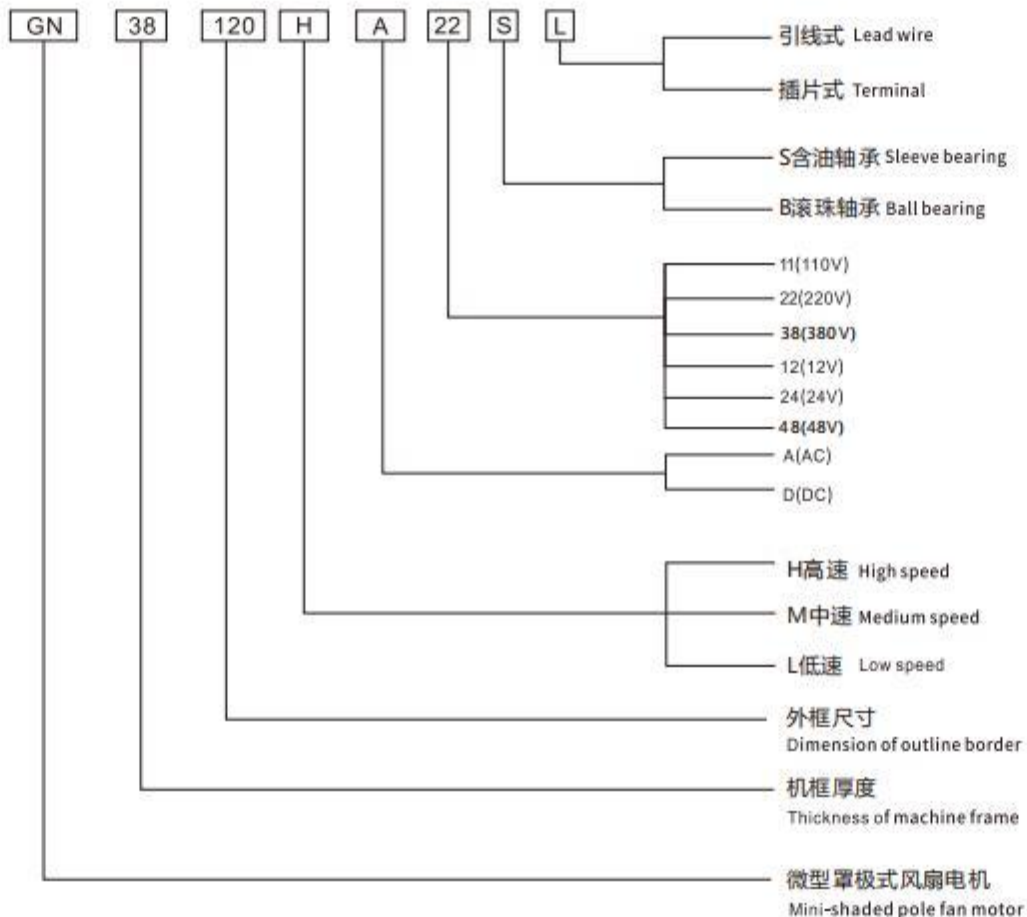
江苏稳不落配线器材有限公司  
Wenbuluo Electrical Co.,Ltd

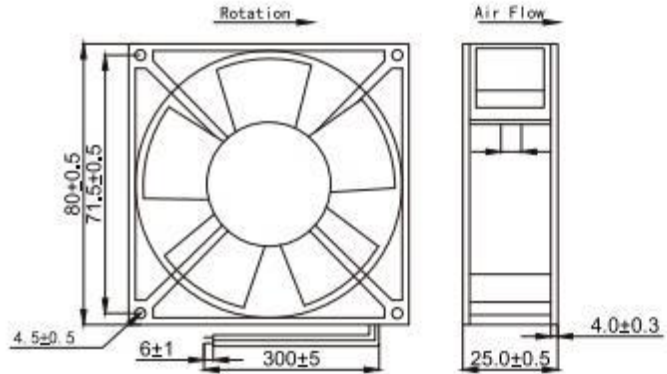
# GN Instruction of Model

- GN系列微型罩极式风扇电机，具有结构紧凑、体积小、重量轻、噪音低、电磁干扰小、安全可靠、运用寿命长等特点。主要应用于制冷设备，电源设备，电焊机等仪器设备的通风散热。
- 适用温度：滚珠轴承(B)-20~+60°C  
含油轴承(S)0~+50°C
- 电机平均使用寿命为30000小时以上电机使用前，必须将电机接地线与外部接地装置有效连接。

- GN series mini-shaded pole fan motors have compact structure and small volume. They have Characteristics of light weight convenient installation, low noisy, small electromagnetic disturbance, safety, longevity and So on, They are mainly applied to refrigeration equipment, power supply circuit, electric welding machine as well as other ventilating and cooling equipment
- The average service life of motors is over 30000 hours.
- Before operating the motor, make sure to put the earth wire of the motor connected with the external grounding device.
- The applicable ambient temperature  
Ball bearing: (B)-20~+60°C  
Sleeve bearing: (S)0~+50°C

## 型号说明 Instruction of Model

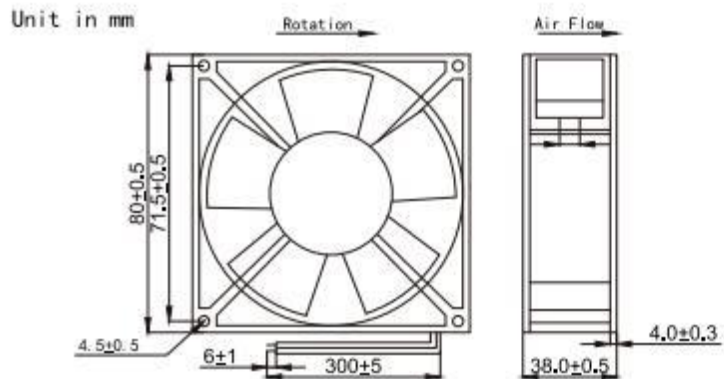




80x80x25mm(Square)

型号 Model	频率 Frequency Hz	电压 Voltage V	轴承 Bearing Type	电流 Current Amp	功率 Power W	转速 Speed Rpm	风量 Airflow Cfm	噪音 Noise dB(A)	重量 Weight Gram
GN2580HA11SL	50/60	110	Sleeve	0.13/0.12	13/12	2450	16/18	28/29	230g
GN2580HA11BL	50/60	110	Ball	0.13/0.12	13/12	2450	16/18	28/29	
GN2580HA22SL	50/60	220	Sleeve	0.08/0.07	13/12	2450	16/18	28/29	
GN2580HA22BL	50/60	220	Ball	0.08/0.07	13/12	2450	16/18	28/29	
GN2580HA11/22SL	50/60	110/220	Sleeve	0.13/0.08	13/12	2450	16/18	28/29	
GN2580HA11/22BL	50/60	110/220	Ball	0.13/0.08	13/12	2450	16/18	28/29	

GN=Factory Model,2580=80\*80\*25mm,A1=AC 110V,A2=AC 220V,H=High speed,S=Sleeve,B=Ball, L=Lead wire



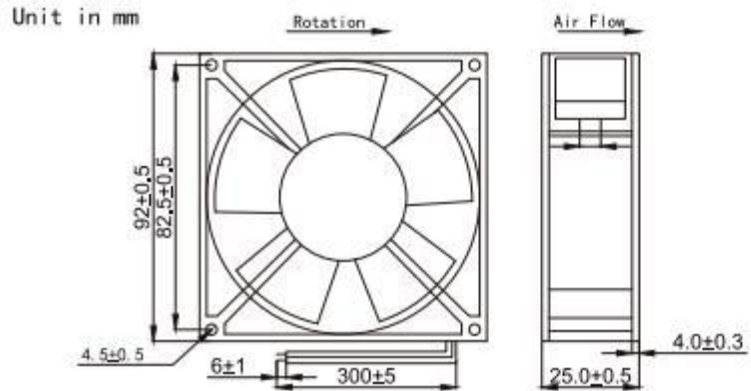
80x80x38mm(Square)

型号 Model	频率 Frequency Hz	电压 Voltage V	轴承 Bearing Type	电流 Current Amp	功率 Power W	转速 Speed Rpm	风量 Airflow Cfm	噪音 Noise dB(A)	重量 Weight Gram
GN3880HA11SL	50/60	110	Sleeve	0.15/0.13	14/13	2400	26/30	28/31	340g
GN3880HA11BL	50/60	110	Ball	0.15/0.13	14/13	2400	26/30	28/31	
GN3880HA22SL	50/60	220	Sleeve	0.08/0.07	14/13	2400	26/30	28/31	
GN3880HA22BL	50/60	220	Ball	0.08/0.07	14/13	2400	26/30	28/31	
GN3880HA11/22SL	50/60	110/220	Sleeve	0.15/0.08	14/13	2400	26/30	28/31	
GN3880HA11/22BL	50/60	110/220	Ball	0.15/0.08	14/13	2400	26/30	28/31	

GN=Factory Model,3880=80\*80\*38mm,A1=AC 110V,A2=AC 220V,H=High speed,S=Sleeve,B=Ball, L=Lead wire

交流风机

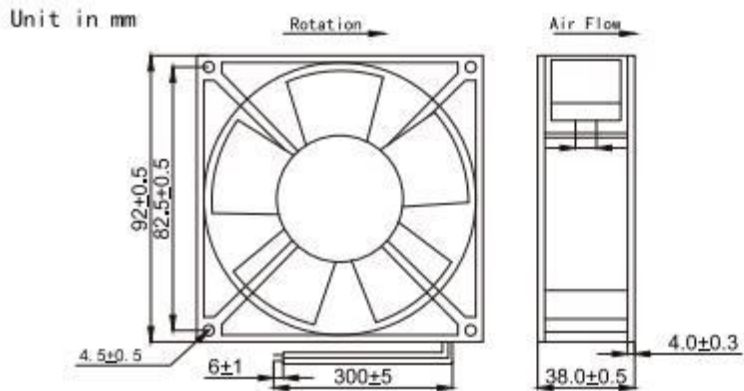
GN2592/3892



92x92x25mm(Square)

型号 Model	频率 Frequency Hz	电压 Voltage V	轴承 Bearing Type	电流 Current Amp	功率 Power W	转速 Speed Rpm	风量 Airflow Cfm	噪音 Noise dB(A)	重量 Weight Gram
GN2592HA11SL	50/60	110	Sleeve	0.14/0.12	13/12	2400	28/34	29/33	270g
GN2592HA11BL	50/60	110	Ball	0.14/0.12	13/12	2400	28/34	29/33	
GN2592HA22SL	50/60	220	Sleeve	0.08/0.07	13/12	2400	28/34	29/33	
GN2592HA22BL	50/60	220	Ball	0.08/0.07	13/12	2400	28/34	29/33	
GN2592HA11/22SL	50/60	110/220	Sleeve	0.14/0.08	13/12	2400	28/34	29/33	
GN2592HA11/22BL	50/60	110/220	Ball	0.14/0.08	13/12	2400	28/34	29/33	

GN=Factory Model,2592=92\*92\*25mm,A1=AC 110V,A2=AC 220V,H=High speed,S=Sleeve,B=Ball, L=Lead wire



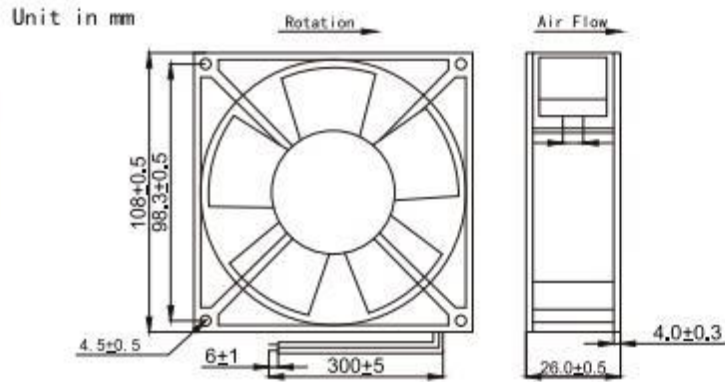
92x92x38mm(Square)

型号 Model	频率 Frequency Hz	电压 Voltage V	轴承 Bearing Type	电流 Current Amp	功率 Power W	转速 Speed Rpm	风量 Airflow Cfm	噪音 Noise dB(A)	重量 Weight Gram
GN3892HA11SL	50/60	110	Sleeve	0.15/0.13	15/13	2400	50/54	31/36	360g
GN3892HA11BL	50/60	110	Ball	0.15/0.13	15/13	2400	50/54	31/36	
GN3892HA22SL	50/60	220	Sleeve	0.08/0.07	15/13	2400	50/54	31/36	
GN3892HA22BL	50/60	220	Ball	0.08/0.07	15/13	2400	50/54	31/36	
GN3892HA11/22SL	50/60	110/220	Sleeve	0.15/0.08	15/13	2400	50/54	31/36	
GN3892HA11/22BL	50/60	110/220	Ball	0.15/0.08	15/13	2400	50/54	31/36	

GN=Factory Model,3892=92\*92\*38mm,A1=AC 110V,A2=AC 220V,H=High speed,S=Sleeve,B=Ball, L=Lead wire

交流风机

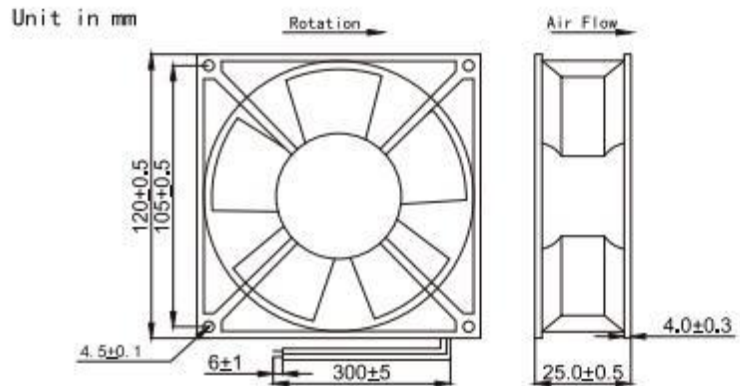
GN26108/25120



108x108x26mm(Square)

型号 Model	频率 Frequency Hz	电压 Voltage V	轴承 Bearing Type	电流 Current Amp	功率 Power W	转速 Speed Rpm	风量 Airflow Cfm	噪音 Noise dB(A)	重量 Weight Gram
GN26108HA11SL	50/60	110	Sleeve	0.16/0.14	16/15	2300	40	33/38	330g
GN26108HA11BL	50/60	110	Ball	0.16/0.14	16/15	2300	40	33/38	
GN26108HA22SL	50/60	220	Sleeve	0.08/0.07	16/15	2300	40	33/38	
GN26108HA22BL	50/60	220	Ball	0.08/0.07	16/15	2300	40	33/38	
GN26108HA11/22SL	50/60	110/220	Sleeve	0.14/0.08	16/15	2300	40	33/38	
GN26108HA11/22BL	50/60	110/220	Ball	0.14/0.08	16/15	2300	40	33/38	

GN=Factory Model,26108=108\*108\*26mm,A1=AC 110V,A2=AC 220V,H=High speed,S=Sleeve,B=Ball, L=Lead wire



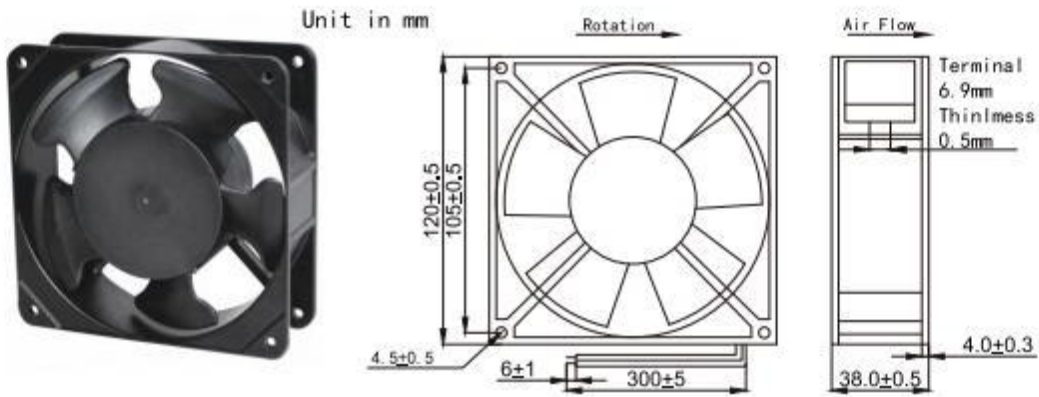
120x120x25mm(Square)

型号 Model	频率 Frequency Hz	电压 Voltage V	轴承 Bearing Type	电流 Current Amp	功率 Power W	转速 Speed Rpm	风量 Airflow Cfm	噪音 Noise dB(A)	重量 Weight Gram
GN25120HA11SL	50/60	110	Sleeve	0.15/0.14	16/15	2400	51/61	40/41	380g
GN25120HA11BL	50/60	110	Ball	0.15/0.14	16/15	2400	51/61	40/41	
GN25120HA22SL	50/60	220	Sleeve	0.08/0.07	16/15	2400	51/61	40/41	
GN25120HA22BL	50/60	220	Ball	0.08/0.07	16/15	2400	51/61	40/41	
GN25120HA11/22SL	50/60	110/220	Sleeve	0.14/0.08	16/15	2400	51/61	40/41	
GN25120HA11/22BL	50/60	110/220	Ball	0.14/0.08	16/15	2400	51/61	40/41	

GN=Factory Model,25120=120\*120\*25mm,A1=AC 110V,A2=AC 220V,H=High speed,S=Sleeve,B=Ball, L=Lead wire

交流风机

GN38120



120x120x38mm(Square)

型号 Model	频率 Frequency Hz	电压 Voltage V	轴承 Bearing Type	电流 Current Amp	功率 Power W	转速 Speed Rpm	风量 Airflow Cfm	噪音 Noise dB(A)	重量 Weight Gram
GN38120HA11SL	50/60	110	Sleeve	0.24/0.23	26/23	2800	90/100	40/45	500g
GN38120HA11BL	50/60	110	Ball	0.24/0.23	26/23	2800	90/100	40/45	
GN38120HA22SL	50/60	220	Sleeve	0.14/0.13	26/23	2700	90/100	40/45	
GN38120HA22BL	50/60	220	Ball	0.14/0.13	26/23	2700	90/100	40/45	
GN38120HA33SL	50/60	380	Sleeve	0.07/0.06	26/23	2700	90/100	40/45	
GN38120HA33BL	50/60	380	Ball	0.07/0.06	26/23	2700	90/100	40/45	
GN38120HA11/22SL	50/60	110/220	Sleeve	0.23/0.14	26/23	2700	90/100	40/45	
GN38120HA11/22BL	50/60	110/220	Ball	0.23/0.14	26/23	2700	90/100	40/45	

GN=Factory Model,38120=120\*120\*38mm,A1=AC 110V,A2=AC 220V,H=High speed,S=Sleeve,B=Ball, L=Lead wire,T=Terminal

Fan with 7 Blades Type A



Fan with 7 Blades Type B



Fan with Flat Plug



Fan with Round Plug

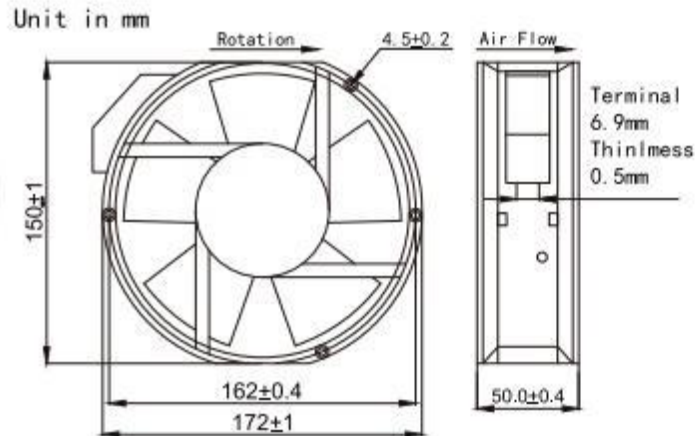




172x150x38mm(Oval)

型号 Model	频率 Frequency Hz	电压 Voltage V	轴承 Bearing Type	电流 Current Amp	功率 Power W	转速 Speed Rpm	风量 Airflow Cfm	噪音 Noise dB(A)	重量 Weight Gram
GN38172HA11SL	50/60	110	Sleeve	0.40/0.35	43/36	2300	150/170	48/51	800g
GN38172HA11BL	50/60	110	Ball	0.40/0.35	43/36	2300	150/170	48/51	
GN38172HA22SL	50/60	220	Sleeve	0.21/0.17	43/36	2300	150/170	48/51	
GN38172HA22BL	50/60	220	Ball	0.21/0.17	43/36	2300	150/170	48/51	

GN=Factory Model,38172=172\*150\*38mm,A1=AC 110V,A2=AC 220V,H=High speed,S=Sleeve,B=Ball, L=Lead wire



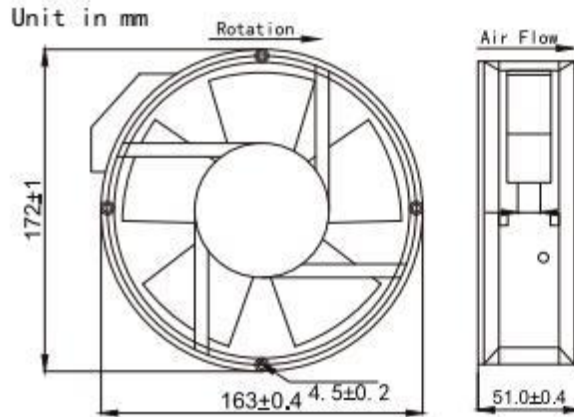
172x150x50mm(Oval)

型号 Model	频率 Frequency Hz	电压 Voltage V	轴承 Bearing Type	电流 Current Amp	功率 Power W	转速 Speed Rpm	风量 Airflow Cfm	噪音 Noise dB(A)	重量 Weight Gram
GN50172HA11SL	50/60	110	Sleeve	0.47/0.46	37/35	2500	150/170	52/53	950g
GN50172HA11BL	50/60	110	Ball	0.47/0.46	37/35	2500	150/170	52/53	
GN50172HA22SL	50/60	220	Sleeve	0.23/0.22	37/35	2500	150/170	52/53	
GN50172HA22BL	50/60	220	Ball	0.23/0.22	37/35	2500	150/170	52/53	

GN=Factory Model,50172=172\*150\*50mm,A1=AC 110V,A2=AC 220V,H=High speed,S=Sleeve,B=Ball, L=Lead wire,T=Terminal

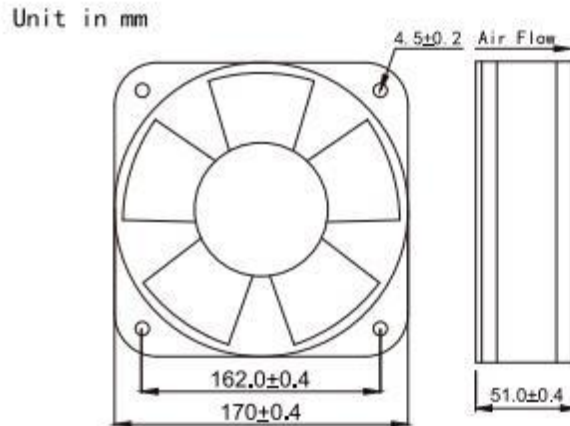
交流风机

GN51172/51170



172x163x51mm(Round)

型号 Model	频率 Frequency Hz	电压 Voltage V	轴承 Bearing Type	电流 Current Amp	功率 Power W	转速 Speed Rpm	风量 Airflow Cfm	噪音 Noise dB(A)	重量 Weight Gram
GN51172HA11SL	50/60	110	Sleeve	0.47/0.46	37/35	2400	150/170	52/53	950g
GN51172HA11BL	50/60	110	Ball	0.47/0.46	37/35	2400	150/170	52/53	
GN51172HA22SL	50/60	220	Sleeve	0.23/0.22	37/35	2400	150/170	52/53	
GN51172HA22BL	50/60	220	Ball	0.23/0.22	37/35	2400	150/170	52/53	
GN=Factory Model,51172=172*163*51mm,A1=AC 110V,A2=AC 220V,H=High speed,S=Sleeve,B=Ball, L=Lead wire									

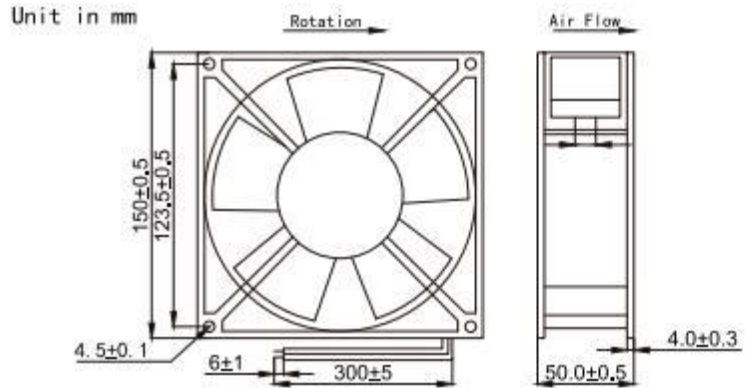


170x170x51mm(Round&Square)

型号 Model	频率 Frequency Hz	电压 Voltage V	轴承 Bearing Type	电流 Current Amp	功率 Power W	转速 Speed Rpm	风量 Airflow Cfm	噪音 Noise dB(A)	重量 Weight Gram
GN51170HA11SL	50/60	110	Sleeve	0.47/0.46	37/35	2400	150/170	52/53	1000g
GN51170HA11BL	50/60	110	Ball	0.47/0.46	37/35	2400	150/170	52/53	
GN51170HA22SL	50/60	220	Sleeve	0.23/0.22	37/35	2400	150/170	52/53	
GN51170HA22BL	50/60	220	Ball	0.23/0.22	37/35	2400	150/170	52/53	
GN=Factory Model,51170=170*170*51mm,A1=AC 110V,A2=AC 220V,H=High speed,S=Sleeve,B=Ball, L=Lead wire									

交流风机

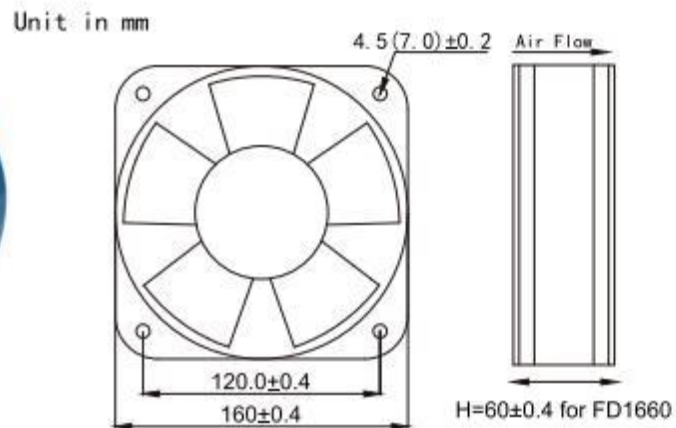
GN50150/150FZY



150x150x50mm(Square)

型号 Model	频率 Frequency Hz	电压 Voltage V	轴承 Bearing Type	电流 Current Amp	功率 Power W	转速 Speed Rpm	风量 Airflow Cfm	噪音 Noise dB(A)	重量 Weight Gram
GN50150HA11SL	50/60	110	Sleeve	0.47/0.46	37/35	2700	190/220	52/53	950g
GN50150HA11BL	50/60	110	Ball	0.47/0.46	37/35	2700	190/220	52/53	
GN50150HA22SL	50/60	220	Sleeve	0.23/0.22	37/35	2700	190/220	52/53	
GN50150HA22BL	50/60	220	Ball	0.23/0.22	37/35	2700	190/220	52/53	

GN=Factory Model,50150=150\*150\*50mm,A1=AC 110V,A2=AC 220V,H=High speed,S=Sleeve,B=Ball, L=Lead wire

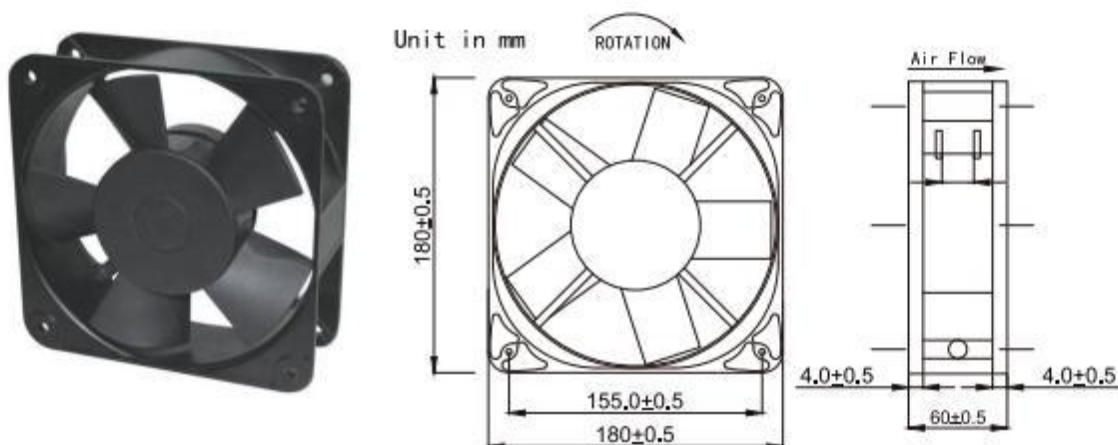


150FZY Series

型号 Model	频率 Frequency Hz	电压 Voltage V	轴承 Bearing Type	电流 Current Amp	功率 Power W	转速 Speed Rpm	风量 Airflow M <sup>3</sup> /h	噪音 Noise dB(A)	相数 Phase	电容 Capacitor μF/V
GN150FZY1-D	50/60	110V	Ball	0.32	30	2500	5.5	65	1	3μF/250v
GN150FZY2-D	50/60	220V	Ball	0.15	30	2500	5.5	65	1	1μF/500v
GN150FZY3-D	50/60	380V	Ball	0.09	30	2500	5.5	65	3	/
GN150FZY4-D	50/60	380V	Ball	0.10	30	2500	5.5	65	1	0.47μF/500v

交流风机

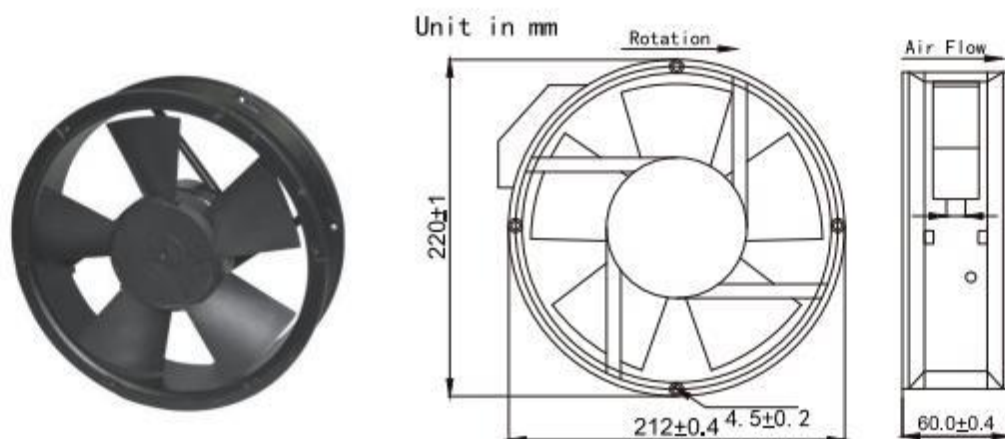
GN60180/60200R



180x180x60mm(Square)

型号 Model	频率 Frequency Hz	电压 Voltage V	轴承 Bearing Type	电流 Current Amp	功率 Power W	转速 Speed Rpm	风量 Airflow Cfm	噪音 Noise dB(A)	重量 Weight Gram
GN60180HA11BL	50/60	110	Ball	0.60	50	2450	260	58	1600g
GN60180HA22BL	50/60	220	Ball	0.35	50	2450	260	58	
GN60180HA38BL	50/60	380	Ball	0.25	50	2450	260	58	

GN=Factory Model,60180=180\*180\*60mm,A1=AC 110V,A2=AC 220V,H=High speed,S=Sleeve,B=Ball, L=Lead wire



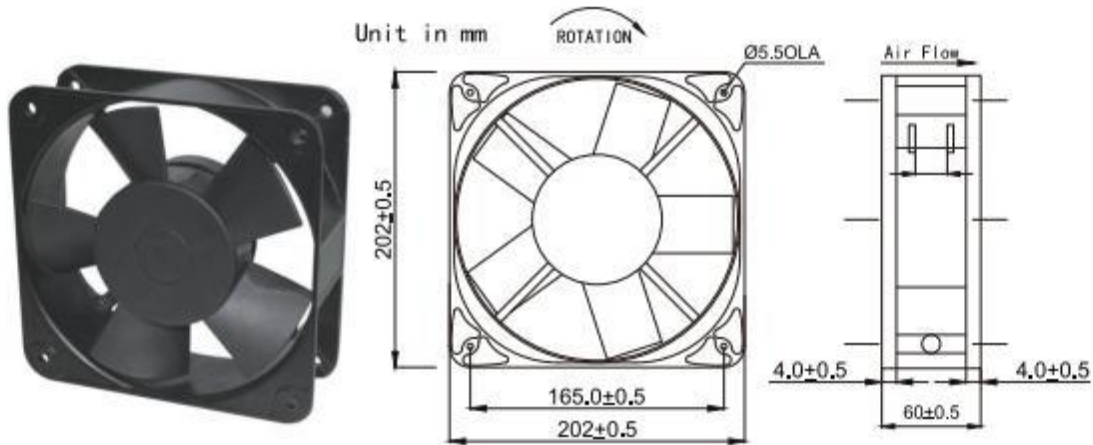
200x200x60mm(Round)

型号 Model	频率 Frequency Hz	电压 Voltage V	轴承 Bearing Type	电流 Current Amp	功率 Power W	转速 Speed Rpm	风量 Airflow Cfm	噪音 Noise dB(A)	重量 Weight Gram
GN60200HA11SL-Y	50/60	110	Sleeve	0.58/0.50	56/54	2100	170/180	64/66	1700g
GN60200HA11BL-Y	50/60	110	Ball	0.58/0.50	56/54	2100	170/180	64/66	
GN60200HA22SL-Y	50/60	220	Sleeve	0.31/0.30	56/54	2100	170/180	64/66	
GN60200HA22BL-Y	50/60	220	Ball	0.31/0.30	56/54	2100	170/180	64/66	

GN=Factory Model,20060=200\*200\*60mm,A1=AC 110V,A2=AC 220V,H=High speed,S=Sleeve,B=Ball, L=Lead wire

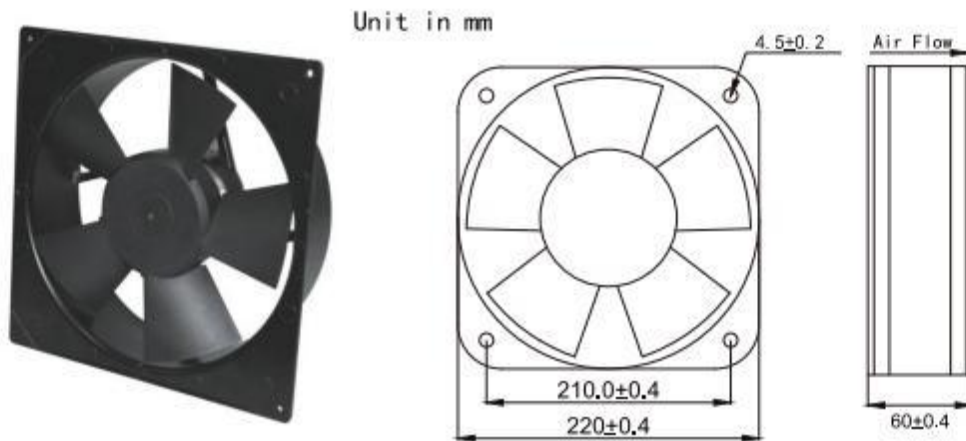
交流风机

GN60200S/60200F



200x200x60mm(Square)

型号 Model	频率 Frequency Hz	电压 Voltage V	轴承 Bearing Type	电流 Current Amp	功率 Power W	转速 Speed Rpm	风量 Airflow Cfm	噪音 Noise dB(A)	重量 Weight Gram
GN60200HA11SL	50/60	110	Sleeve	0.80/0.78	65/63	2400	420/480	64/66	1700g
GN60200HA11BL	50/60	110	Ball	0.80/0.78	65/63	2400	420/480	64/66	
GN60200HA22SL	50/60	220	Sleeve	0.38/0.36	65/63	2400	420/480	64/66	
GN60200HA22BL	50/60	220	Ball	0.38/0.36	65/63	2400	420/480	64/66	
GN=Factory Model,60200=200*200*60mm,A1=AC 110V,A2=AC 220V,H=High speed,S=Sleeve,B=Ball, L=Lead wire									

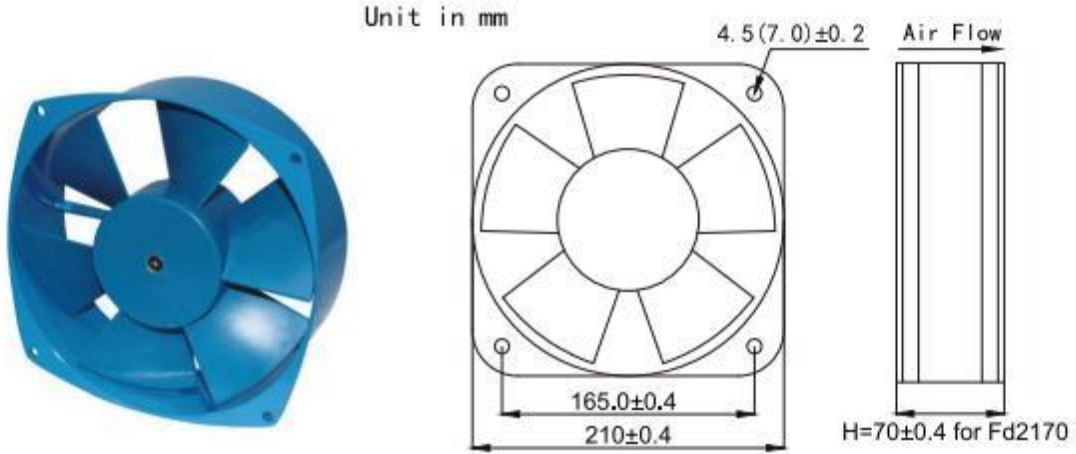


200x200x60mm(Round&Square)

型号 Model	频率 Frequency Hz	电压 Voltage V	轴承 Bearing Type	电流 Current Amp	功率 Power W	转速 Speed Rpm	风量 Airflow Cfm	噪音 Noise dB(A)	重量 Weight Gram
GN60200HA11SL	50/60	110	Sleeve	0.58/0.50	56/54	2100	170/180	64/66	1700g
GN60200HA11BL	50/60	110	Ball	0.58/0.50	56/54	2100	170/180	64/66	
GN60200HA22SL	50/60	220	Sleeve	0.31/0.30	56/54	2100	170/180	64/66	
GN60200HA22BL	50/60	220	Ball	0.31/0.30	56/54	2100	170/180	64/66	
GN=Factory Model,20060=200*200*60mm,A1=AC 110V,A2=AC 220V,H=High speed,S=Sleeve,B=Ball, L=Lead wire									

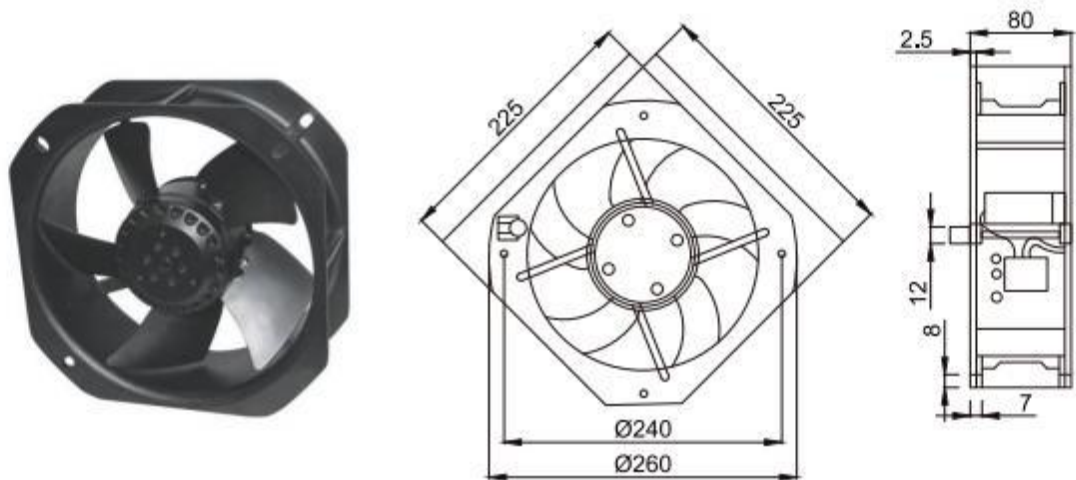
交流风机

GN200FZY/80225



200FZY Series

型号 Model	频率 Frequency Hz	电压 Voltage V	轴承 Bearing Type	电流 Current Amp	功率 Power W	转速 Speed Rpm	风量 Airflow M <sup>3</sup> /h	噪音 Noise dB(A)	相数 Phase	电容 Capacitor μF/V
GN200FZY2/D	50/60	220V	Ball	0.30	65	2500	13	70	1	1μF/500v
GN200FZY3/D	50/60	380V	Ball	0.15	65	2600	13	70	3	/
GN200FZY4/D	50/60	380V	Ball	0.16	65	2600	13	70	1	0.47μF/500v



225x225x80mm(Square)

型号 Model	频率 Frequency Hz	电压 Voltage V	轴承 Bearing Type	电流 Current Amp	功率 Power W	转速 Speed Rpm	风量 Airflow M <sup>3</sup> /h	噪音 Noise dB(A)	相数 Phase	电容 Capacitor μF/V
GN80225HA11B	50/60	110V	Ball	0.70	75	2600	17	160	1	5μF/250v
GN80225HA22B	50/60	220V	Ball	0.35	75	2600	17	160	1	2μF/250v
GN80225HA38B1	50/60	380V	Ball	0.25	75	2600	17	160	3	1.5μF/500v
GN80225HA38B	50/60	380V	Ball	0.20	75	2600	17	160	3	/

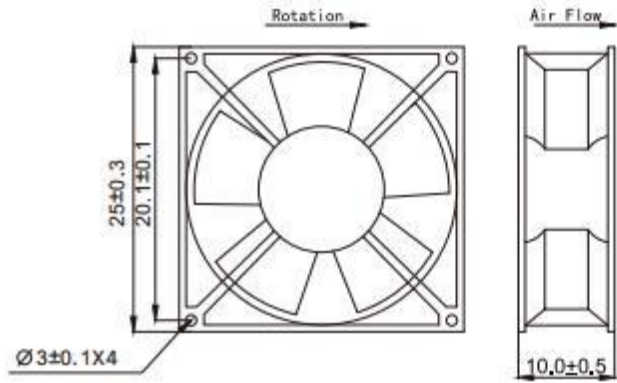
直流风机

GN1025/GN1030

D



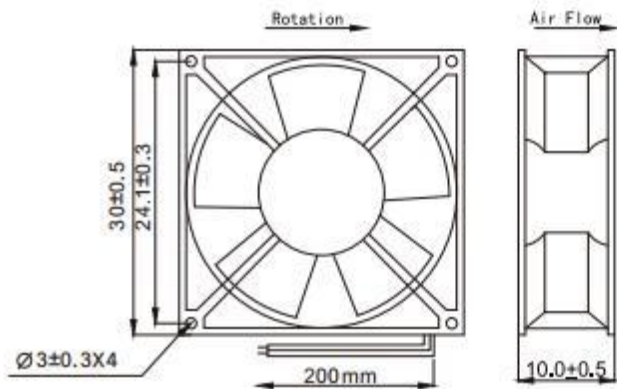
25x25x10mm



型号 Type	轴承 Bearing Type	电压 Voltage V	电流 Current Amp	额定功率 Rated input Power W	转速 Nomnal Speed RP/m	风量 Air volume		空气压力 Air pressure		噪音 Noise dB(A)	重量 Weight G
						CFM	m <sup>3</sup> /min	mm/H <sub>2</sub> O	inch-H <sub>2</sub> O		
GN1025LD05B(S)L	sleeve/ball	5	0.09	0.45	7000	1.21	0.034	2.18	0.085	19.6	6.8
GN1025LD12B(S)L	sleeve/ball	12	0.13	0.36	7000	1.21	0.034	2.18	0.085	19.6	
GN1025MD05B(S)L	sleeve/ball	5	0.03	0.65	10000	1.99	0.056	4.48	0.176	22.8	
GN1025MD12B(S)L	sleeve/ball	12	0.05	0.6	10000	1.99	0.056	4.48	0.176	22.8	
GN1025HD05B(S)L	sleeve/ball	5	0.17	0.85	12000	2.38	0.067	7.37	0.290	25.2	
GN1025HD12B(S)L	sleeve/ball	12	0.08	0.96	12000	2.38	0.067	7.37	0.290	25.2	
GN1025HHD05B(S)L	sleeve/ball	5	0.28	1.15	15000	2.98	0.084	7.98	0.314	28.9	
GN1025HHD12B(S)L	sleeve/ball	12	0.1	1.2	15000	2.98	0.084	7.98	0.314	28.9	



30x30x10mm



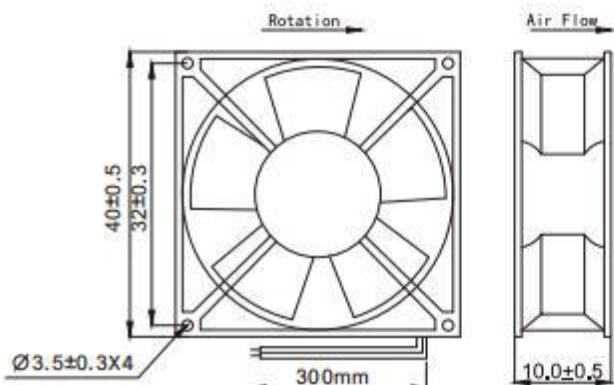
型号 Type	轴承 Bearing Type	电压 Voltage V	电流 Current Amp	额定功率 Rated input Power W	转速 Nomnal Speed RP/m	风量 Air volume		空气压力 Air pressure		噪音 Noise dB(A)	重量 Weight G
						CFM	m <sup>3</sup> /min	mm/H <sub>2</sub> O	inch-H <sub>2</sub> O		
GN1030HD5B(S)L	sleeve/ball	5	0.15	0.75	10000	4.10	0.11	4.52	0.18	29.0	8
GN1030LD5B(S)L	sleeve/ball	5	0.12	0.60	8000	3.27	0.09	3.57	0.14	23.0	
GN1030HD12B(S)L	sleeve/ball	5	0.10	0.50	6000	2.46	0.07	2.00	0.08	18.0	
GN1030MD12B(S)L	sleeve/ball	12	0.12	1.44	10000	4.10	0.11	4.52	0.18	29.0	
GN1030LD12B(S)L	sleeve/ball	12	0.10	1.20	8000	3.27	0.09	3.57	0.14	23.0	
GN1030LD12B(S)L	sleeve/ball	12	0.08	0.96	6000	2.46	0.07	3.00	0.12	18.0	

直流风机

GN1040/GN2040



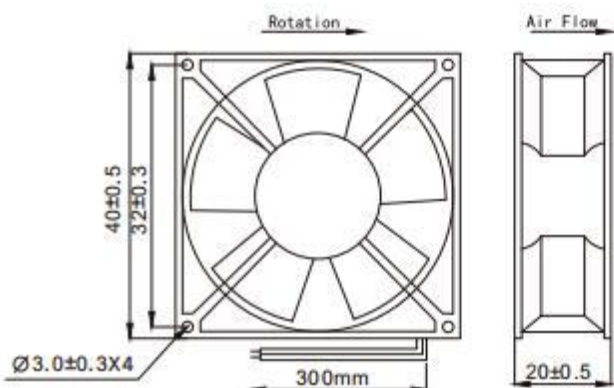
40x40x10mm



型号 Type	轴承 Bearing Type	电压 Voltage V	电流 Current Amp	额定功率 Rated input Power W	转速 Nomnal Speed RP/m	风量 Air volume		空气压力 Air pressure		噪音 Noise dB(A)	重量 Weight G
						CFM	m <sup>3</sup> /min	mm/H <sub>2</sub> O	inch-H <sub>2</sub> O		
GN1040HD5B(S)L	sleeve/ball	5	0.28	1.40	7000	6.66	0.19	4.55	0.18	28.0	18
GN1040MD5B(S)L	sleeve/ball	5	0.25	1.25	6000	5.75	0.16	3.55	0.14	24.0	
GN1040LD5B(S)L	sleeve/ball	5	0.2	1.0	5000	4.85	0.14	2.52	0.09	20.0	
GN1040HD12B(S)L	sleeve/ball	12	0.12	1.44	7000	6.66	0.19	4.55	0.18	28.0	
GN1040MD12B(S)L	sleeve/ball	12	0.10	1.2	6000	5.75	0.16	3.55	0.14	24.0	
GN1040LD12B(S)L	sleeve/ball	12	0.06	0.72	5000	4.85	0.14	2.52	0.09	20.0	
GN1040HD24B(S)L	sleeve/ball	24	0.06	1.44	7000	6.66	0.19	4.55	0.18	28.0	
GN1040MD24B(S)L	sleeve/ball	24	0.05	1.2	6000	5.75	0.16	3.55	0.14	24.0	
GN1040LD24B(S)L	sleeve/ball	24	0.04	0.96	5000	4.85	0.14	2.52	0.09	20.0	



40x40x20mm



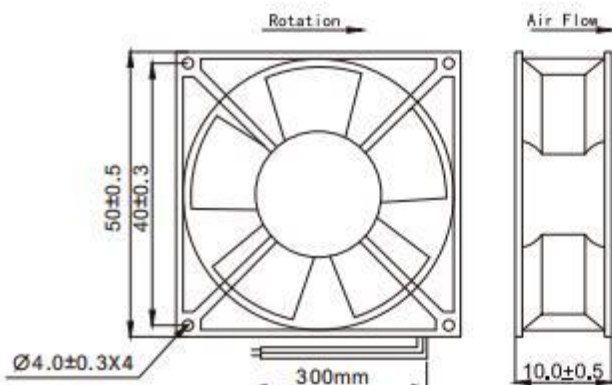
型号 Type	轴承 Bearing Type	电压 Voltage V	电流 Current Amp	额定功率 Rated input Power W	转速 Nomnal Speed RP/m	风量 Air volume		空气压力 Air pressure		噪音 Noise dB(A)	重量 Weight G
						CFM	m <sup>3</sup> /min	mm/H <sub>2</sub> O	inch-H <sub>2</sub> O		
GN2040HD5B(S)L	sleeve/ball	5	0.28	1.40	7500	8.85	0.25	5.25	0.21	30.0	25
GN2040MD5B(S)L	sleeve/ball	5	0.25	1.25	6500	7.45	0.21	4.50	0.18	28.0	
GN2040LD5B(S)L	sleeve/ball	5	0.2	1.0	5500	6.42	0.18	3.52	0.14	26.0	
GN2040HD12B(S)L	sleeve/ball	12	0.12	1.44	7500	8.85	0.25	5.25	0.21	30.0	
GN2040MD12B(S)L	sleeve/ball	12	0.1	1.2	6500	7.45	0.21	4.50	0.18	28.0	
GN2040LD12B(S)L	sleeve/ball	12	0.06	0.72	5500	6.42	0.18	3.52	0.14	26.0	
GN2040HD24B(S)L	sleeve/ball	24	0.06	1.44	7500	8.85	0.25	5.25	0.21	30.0	
GN2040MD24B(S)L	sleeve/ball	24	0.05	1.2	6500	7.45	0.21	4.50	0.18	28.0	
GN2040LD24B(S)L	sleeve/ball	24	0.04	0.96	5500	6.42	0.18	3.52	0.14	26.0	

直流风机

GN1050GN2050



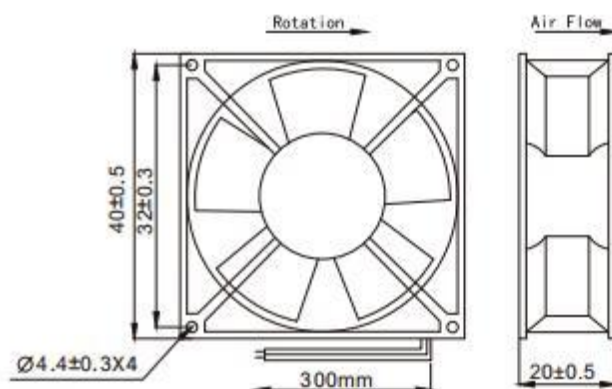
50x50x10mm



型号 Type	轴承 Bearing Type	电压 Voltage V	电流 Current Amp	额定功率 Rated input Power W	转速 Nomnal Speed RP/m	风量 Air volume		空气压力 Air pressure		噪音 Noise dB(A)	重量 Weight G
						CFM	m <sup>3</sup> /min	mm/H <sub>2</sub> O	inch-H <sub>2</sub> O		
GN1050HD5B(S)L	sleeve/ball	5	0.3	1.5	5300	10.20	0.29	3.65	0.14	33.0	18
GN1050MD5B(S)L	sleeve/ball	5	0.20	1.00	4500	9.15	0.26	2.75	0.11	27.0	
GN1050LD5B(S)L	sleeve/ball	5	0.14	0.70	3400	7.20	0.20	2.02	0.08	21.0	
GN1050HD12B(S)L	sleeve/ball	12	0.16	1.92	5300	10.20	0.29	3.65	0.14	33.0	
GN1050MD12B(S)L	sleeve/ball	12	0.08	0.96	4500	9.15	0.26	2.75	0.11	27.0	
GN1050LD12B(S)L	sleeve/ball	12	0.07	0.84	3500	7.20	0.20	2.02	0.08	21.0	
GN1050HD24B(S)L	sleeve/ball	24	0.09	2.16	6000	10.20	0.29	3.65	0.14	33.0	
GN1050MD24B(S)L	sleeve/ball	24	0.07	1.68	5000	9.15	0.26	2.75	0.11	27.0	
GN1050LD24B(S)L	sleeve/ball	24	0.05	1.20	4000	7.20	0.20	2.02	0.08	21.0	



50x50x20mm



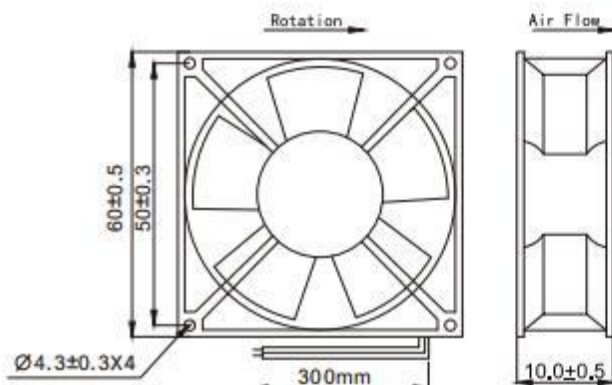
型号 Type	轴承 Bearing Type	电压 Voltage V	电流 Current Amp	额定功率 Rated input Power W	转速 Nomnal Speed RP/m	风量 Air volume		空气压力 Air pressure		噪音 Noise dB(A)	重量 Weight G
						CFM	m <sup>3</sup> /min	mm/H <sub>2</sub> O	inch-H <sub>2</sub> O		
GN2050HD5B(S)L	sleeve/ball	5	0.33	1.65	5500	12.25	0.34	5.43	0.21	35.0	25
GN2050MD5B(S)L	sleeve/ball	5	0.25	1.25	5000	10.20	0.29	3.65	0.14	32.0	
GN2050LD5B(S)L	sleeve/ball	5	0.20	1.0	4500	8.25	0.23	2.30	0.09	26.0	
GN2050HD12B(S)L	sleeve/ball	12	0.16	1.92	5500	12.25	0.34	5.43	0.21	35.0	
GN2050MD12B(S)L	sleeve/ball	12	0.14	1.68	5000	10.20	0.29	3.65	0.14	32.0	
GN2050LD12B(S)L	sleeve/ball	12	0.12	1.44	4500	8.25	0.23	2.30	0.09	26.0	
GN2050HD24B(S)L	sleeve/ball	24	0.10	2.40	6000	12.25	0.34	5.43	0.21	35.0	
GN2050MD24B(S)L	sleeve/ball	24	0.08	1.92	5000	10.20	0.29	3.65	0.14	32.0	
GN2050LD24B(S)L	sleeve/ball	24	0.06	1.44	4000	8.25	0.23	2.30	0.09	26.0	

直流风机

GN1060/GN2060



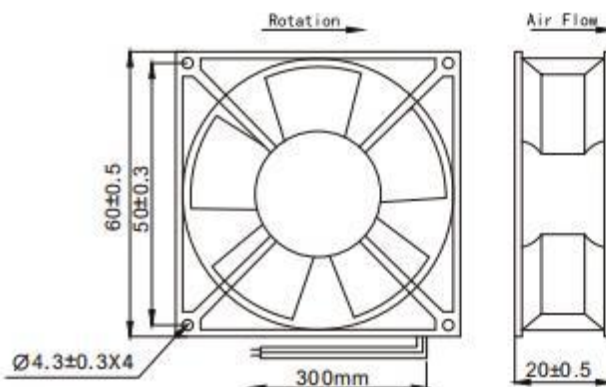
60x60x10mm



型号 Type	轴承 Bearing Type	电压 Voltage V	电流 Current Amp	额定功率 Rated input Power W	转速 Nommal Speed RP/m	风量 Air volume		空气压力 Air pressure		噪音 Noise dB(A)	重量 Weight G
						CFM	m <sup>3</sup> /min	mm/H <sub>2</sub> O	inch-H <sub>2</sub> O		
GN1060HD5B(S)L	sleeve/ball	5	0.35	1.65	4200	15.02	0.43	1.92	0.08	28.0	25
GN1060MD5B(S)L	sleeve/ball	5	0.20	1.10	3600	13.15	0.37	1.72	0.07	27.0	
GN1060LD5B(S)L	sleeve/ball	5	0.17	0.85	3000	11.25	0.32	1.46	0.06	26.0	
GN1060HD12B(S)L	sleeve/ball	12	0.26	2.64	4200	20.25	0.57	2.55	0.10	38.0	
GN1060MD12B(S)L	sleeve/ball	12	0.17	2.04	3600	16.85	0.47	2.15	0.08	33.0	
GN1060LD12B(S)L	sleeve/ball	12	0.14	1.68	3000	13.15	0.37	1.72	0.07	27.0	
GN1060HD24B(S)L	sleeve/ball	24	0.11	2.64	4200	15.02	0.42	1.92	0.08	28.0	
GN1060MD24B(S)L	sleeve/ball	24	0.09	2.16	3600	13.15	0.37	1.72	0.07	27.0	
GN1060LD24B(S)L	sleeve/ball	24	0.07	1.68	3000	11.25	0.32	1.46	0.06	26.0	



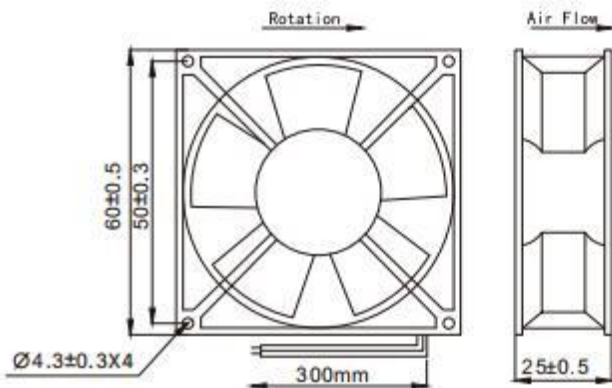
60x60x20mm



型号 Type	轴承 Bearing Type	电压 Voltage V	电流 Current Amp	额定功率 Rated input Power W	转速 Nommal Speed RP/m	风量 Air volume		空气压力 Air pressure		噪音 Noise dB(A)	重量 Weight G
						CFM	m <sup>3</sup> /min	mm/H <sub>2</sub> O	inch-H <sub>2</sub> O		
GN2060HD12B(S)L	sleeve/ball	12	0.16	1.92	4200	16.71	0.47	3.18	0.13	33.0	45
GN2060MD12B(S)L	sleeve/ball	12	0.12	1.44	3500	15.02	0.42	2.80	0.11	31.0	
GN2060LD12B(S)L	sleeve/ball	12	0.08	0.96	3000	13.15	0.37	2.52	0.10	27.0	
GN2060HD24B(S)L	sleeve/ball	24	0.13	3.12	4200	16.71	0.47	3.18	0.13	33.0	
GN2060MD24B(S)L	sleeve/ball	24	0.10	2.4	3500	15.02	0.42	2.80	0.11	31.0	
GN2060LD24B(S)L	sleeve/ball	24	0.08	1.92	3000	13.15	0.37	2.52	0.10	27.0	



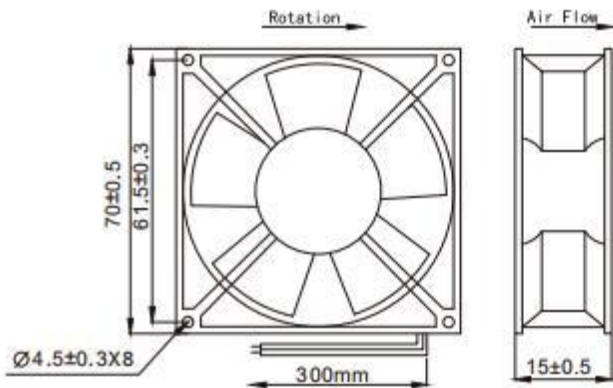
60x60x25mm



型号 Type	轴承 Bearing Type	电压 Voltage V	电流 Current Amp	额定功率 Rated input Power W	转速 Nomnal Speed RP/m	风量 Air volume		空气压力 Air pressure		噪音 Noise dB(A)	重量 Weight G
						CFM	m <sup>3</sup> /min	mm/H <sub>2</sub> O	inch-H <sub>2</sub> O		
GN2560DD12B(S)L	sleeve/ball	12	0.19	2.28	4500	27.05	0.76	10.12	0.40	41.0	55
GN2560HD12B(S)L	sleeve/ball	12	0.14	1.68	4000	24.71	0.70	8.80	0.35	38.0	
GN2560MD12B(S)L	sleeve/ball	12	0.10	1.2	3000	20.15	0.56	5.92	0.23	33.0	
GN2560LD12B(S)L	sleeve/ball	12	0.07	0.84	2500	15.80	0.44	3.51	0.14	27.0	
GN2560DD24B(S)L	sleeve/ball	24	0.19	4.58	4500	27.05	0.76	10.12	0.40	41.0	
GN2560HD24B(S)L	sleeve/ball	24	0.14	3.88	4000	24.71	0.70	8.80	0.35	38.0	
GN2560MD24B(S)L	sleeve/ball	24	0.10	2.40	3000	20.15	0.56	5.92	0.23	33.0	
GN2560LD24B(S)L	sleeve/ball	24	0.09	2.16	2500	15.80	0.44	3.51	0.14	27.0	



70x70x15mm



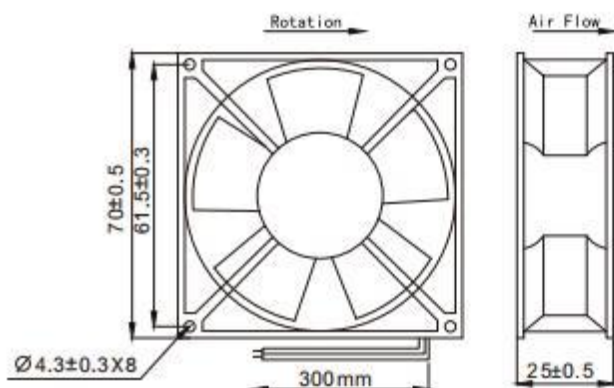
型号 Type	轴承 Bearing Type	电压 Voltage V	电流 Current Amp	额定功率 Rated input Power W	转速 Nomnal Speed RP/m	风量 Air volume		空气压力 Air pressure		噪音 Noise dB(A)	重量 Weight G
						CFM	m <sup>3</sup> /min	mm/H <sub>2</sub> O	inch-H <sub>2</sub> O		
GN1570HD12B(S)L	sleeve/ball	12	0.35	4.2	4200	33.52	0.94	3.33	0.13	40.0	45
GN1570MD12B(S)L	sleeve/ball	12	0.25	3	3600	28.85	0.81	3.02	0.12	35.0	
GN1570LD12B(S)L	sleeve/ball	12	0.16	1.92	3000	24.80	0.69	2.50	0.09	30.0	
GN1570HD24B(S)L	sleeve/ball	24	0.25	6	4200	33.52	0.94	3.33	0.13	40.0	
GN1570MD24B(S)L	sleeve/ball	24	0.16	3.84	3600	28.85	0.81	3.02	0.12	35.0	
GN1570LD24B(S)L	sleeve/ball	24	0.12	2.88	3000	24.80	0.69	2.50	0.09	30.0	

直流风机

GN2570/GN1580



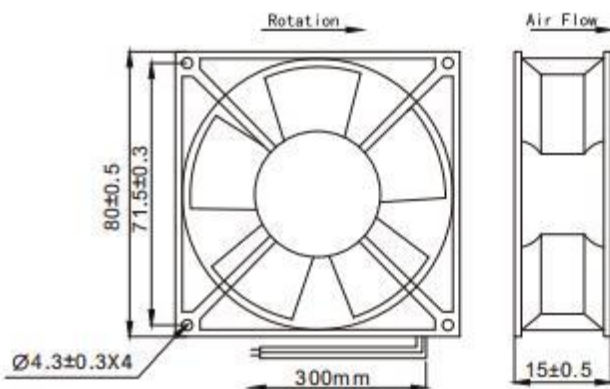
70x70x25mm



型号 Type	轴承 Bearing Type	电压 Voltage V	电流 Current Amp	额定功率 Rated input Power W	转速 Nommal Speed RP/m	风量 Air volume		空气压力 Air pressure		噪音 Noise dB(A)	重量 Weight G
						CFM	m <sup>3</sup> /min	mm/H <sub>2</sub> O	inch-H <sub>2</sub> O		
GN2570DD12B(S)L	sleeve/ball	12	0.35	4.28	4500	36.12	1.01	4.80	0.18	42.0	50
GN2570HD12B(S)L	sleeve/ball	12	0.3	3.60	4000	32.02	0.89	4.81	0.16	40.0	
GN2570MD12B(S)L	sleeve/ball	12	0.20	2.40	3500	27.93	0.78	3.85	0.15	36.0	
GN2570LD12B(S)L	sleeve/ball	12	0.15	1.80	3000	24.00	0.67	2.65	0.10	31.0	
GN2570DD24B(S)L	sleeve/ball	24	0.30	7.2	4500	36.12	1.01	4.80	0.18	42.0	
GN2570HD24B(S)L	sleeve/ball	24	0.22	5.28	4000	32.02	0.89	4.81	0.16	40.0	
GN2570MD24B(S)L	sleeve/ball	24	0.12	2.88	3500	27.93	0.78	3.85	0.15	36.0	
GN2570LD24B(S)L	sleeve/ball	24	0.10	2.4	3000	24.00	0.67	2.65	0.10	31.0	



80x80x15mm



型号 Type	轴承 Bearing Type	电压 Voltage V	电流 Current Amp	额定功率 Rated input Power W	转速 Nommal Speed RP/m	风量 Air volume		空气压力 Air pressure		噪音 Noise dB(A)	重量 Weight G
						CFM	m <sup>3</sup> /min	mm/H <sub>2</sub> O	inch-H <sub>2</sub> O		
GN1580HD12B(S)L	sleeve/ball	12	0.17	2.04	8000	33.12	0.93	3.53	0.13	32.0	45
GN1580MD12B(S)L	sleeve/ball	12	0.14	1.68	2500	28.66	0.80	3.02	0.12	30.0	
GN1580LD12B(S)L	sleeve/ball	12	0.09	1.08	2000	24.80	0.68	2.51	0.09	25.0	
GN1580HD24B(S)L	sleeve/ball	24	0.15	3.60	3000	33.12	0.93	3.53	0.13	32.0	
GN1580MD24B(S)L	sleeve/ball	24	0.18	3.12	2500	28.66	0.80	3.02	0.12	30.0	
GN1580LD24B(S)L	sleeve/ball	24	0.10	2.40	2000	24.30	0.68	2.51	0.09	25.0	

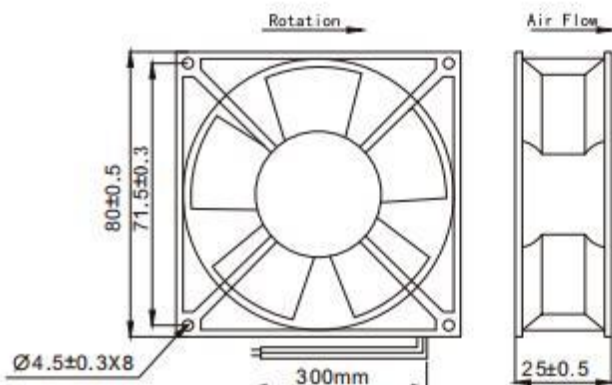
直流风机

GN12580/GN2592

D



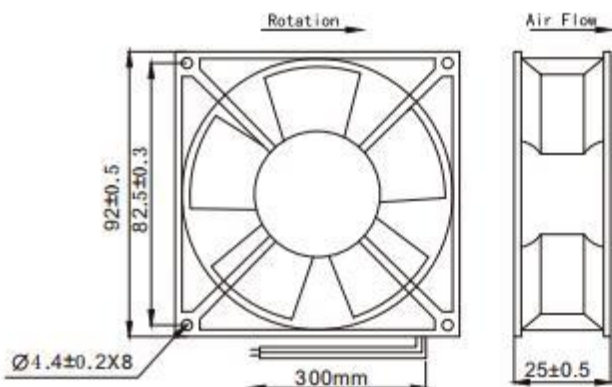
80x80x25mm



型号 Type	轴承 Bearing Type	电压 Voltage V	电流 Current Amp	额定功率 Rated input Power W	转速 Nomnal Speed RP/m	风量 Air volume		空气压力 Air pressure		噪音 Noise dB(A)	重量 Weight G
						CFM	m <sup>3</sup> /min	mm/H <sub>2</sub> O	inch-H <sub>2</sub> O		
GN2580DD12B(S)L	sleeve/ball	12	0.25	3.00	3500	44.00	1.23	4.81	0.18	37.0	60
GN2580HD12B(S)L	sleeve/ball	12	0.17	2.04	3000	36.50	1.02	3.40	0.13	32.0	
GN2580MD12B(S)L	sleeve/ball	12	0.11	1.32	2500	31.50	0.88	2.48	0.09	27.0	
GN2580LD12B(S)L	sleeve/ball	12	0.08	0.96	2000	26.80	0.75	1.91	0.07	23.0	
GN2580DD24B(S)L	sleeve/ball	24	0.2	4.8	3500	44.00	1.23	4.81	0.19	37.0	
GN2580HD24B(S)L	sleeve/ball	24	0.15	3.8	3000	36.50	1.02	3.40	0.13	32.0	
GN2580MD24B(S)L	sleeve/ball	24	0.12	2.88	2500	31.50	0.88	2.48	0.09	27.0	
GN2580LD24B(S)L	sleeve/ball	24	0.09	2.18	2000	26.80	0.75	1.91	0.07	23.0	
GN2580HD48B(S)L	sleeve/ball	48	0.15	7.20	3500	44.00	1.23	4.81	0.18	37.0	
GN2580MD48B(S)L	sleeve/ball	48	0.07	3.36	3000	36.50	1.02	3.40	0.13	32.0	



92x92x25mm



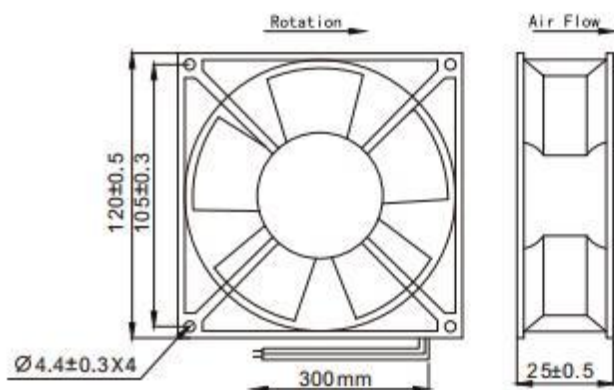
型号 Type	轴承 Bearing Type	电压 Voltage V	电流 Current Amp	额定功率 Rated input Power W	转速 Nomnal Speed RP/m	风量 Air volume		空气压力 Air pressure		噪音 Noise dB(A)	重量 Weight G
						CFM	m <sup>3</sup> /min	mm/H <sub>2</sub> O	inch-H <sub>2</sub> O		
GN2592DD12B(S)L	sleeve/ball	12	0.50	6.00	3200	85.55	2.39	4.81	0.18	50.0	75
GN2592HD12B(S)L	sleeve/ball	12	0.25	3.00	2800	65.01	1.82	3.83	0.15	40.0	
GN2592MD12B(S)L	sleeve/ball	12	0.20	2.4	2500	46.30	1.29	3.05	0.12	30.0	
GN2592LD12B(S)L	sleeve/ball	12	0.18	1.92	2000	38.80	1.08	2.18	0.08	23.0	
GN2592DD24B(S)L	sleeve/ball	24	0.35	8.4	3200	85.55	2.39	4.81	0.18	50.0	
GN2592HD24B(S)L	sleeve/ball	24	0.22	5.28	2800	65.01	1.82	3.83	0.15	40.0	
GN2592MD24B(S)L	sleeve/ball	24	0.18	4.82	2500	46.30	1.29	3.05	0.12	30.0	
GN2592LD24B(S)L	sleeve/ball	24	0.15	3.8	2000	38.80	1.08	2.18	0.08	23.0	
GN2592HD48B(S)L	sleeve/ball	48	0.13	6.24	3200	65.01	1.82	3.83	0.18	40.0	
GN2592MD48B(S)L	sleeve/ball	48	0.07	3.36	3000	46.30	1.29	3.05	0.12	30.0	

直流风机

GN2512/GN3812



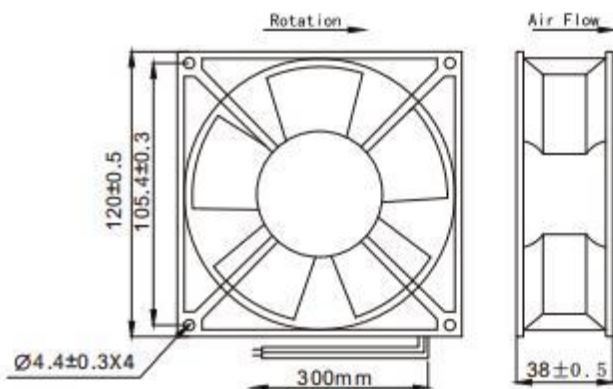
120x120x25mm



型号 Type	轴承 Bearing Type	电压 Voltage V	电流 Current Amp	额定功率 Rated input Power W	转速 Nommal Speed RP/m	风量 Air volume		空气压力 Air pressure		噪音 Noise dB(A)	重量 Weight G
						CFM	m <sup>3</sup> /min	mm/H <sub>2</sub> O	inch-H <sub>2</sub> O		
GN2512DD12B(S)L	sleeve/ball	12	0.55	6.60	3000	150.11	4.20	5.82	0.28	50.0	145
GN2512HD12B(S)L	sleeve/ball	12	0.4	4.80	2400	114.00	3.19	4.45	0.18	41.0	
GN2512MD12B(S)L	sleeve/ball	12	0.25	3.00	2000	92.52	2.59	3.68	0.14	36.0	
GN2512LD12B(S)L	sleeve/ball	12	0.18	2.10	1800	68.45	1.92	2.68	0.11	32.0	
GN2512DD24B(S)L	sleeve/ball	24	0.45	10.80	3000	150.11	4.20	5.82	0.23	50.0	
GN2512HD24B(S)L	sleeve/ball	24	0.35	8.40	2400	114.00	3.19	4.45	0.18	41.0	
GN2512MD24B(S)L	sleeve/ball	24	0.2	4.8	2000	92.52	2.59	3.68	0.14	36.0	
GN2512LD24B(S)L	sleeve/ball	24	0.13	3.12	1800	68.45	1.92	2.68	0.11	32.0	
GN2512HD48B(S)L	sleeve/ball	48	0.15	7.20	3000	133.05	3.73	5.21	0.21	45.0	
GN2512MD48B(S)L	sleeve/ball	48	0.10	4.80	2700	92.52	2.59	3.65	0.14	36.0	



120x120x38mm



型号 Type	轴承 Bearing Type	电压 Voltage V	电流 Current Amp	额定功率 Rated input Power W	转速 Nommal Speed RP/m	风量 Air volume		空气压力 Air pressure		噪音 Noise dB(A)	重量 Weight G
						CFM	m <sup>3</sup> /min	mm/H <sub>2</sub> O	inch-H <sub>2</sub> O		
GN3812HD12B(S)L	sleeve/ball	12	0.4	4.8	8000	125.32	5.5	9.85	0.38	46	257g
GN3812MD12B(S)L	sleeve/ball	12	0.38	4.58	2700	105.94	3	7.6	0.3	41	
GN3812LD12B(S)L	sleeve/ball	12	0.23	2.78	2400	84.76	2.4	4.56	0.18	34	
GN3812HD24B(S)L	sleeve/ball	24	0.35	8.4	3000	125.32	5.5	9.85	0.38	46	
GN3812MD24B(S)L	sleeve/ball	24	0.28	6.72	2700	105.94	3	7.6	0.3	41	
GN3812LD24B(S)L	sleeve/ball	24	0.2	4.8	2400	84.76	2.4	4.56	0.18	34	
GN3812HD48B(S)L	sleeve/ball	48	0.2	9.6	3000	125.32	5.5	9.85	0.38	46	
GN3812MD48B(S)L	sleeve/ball	48	0.11	5.12	2700	105.94	3	7.6	0.3	41	
GN3812LD48B(S)L	sleeve/ball	48	0.06	2.88	2400	84.76	2.4	4.56	0.18	34	

# 4

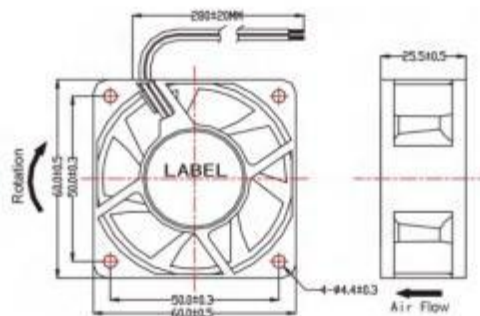
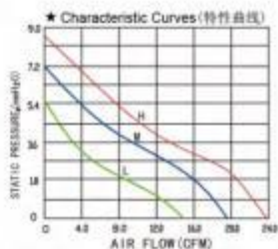


## EC 风机

江苏稳不落配线器材有限公司  
Wenbuluo Electrical Co.,Ltd

EC 风机

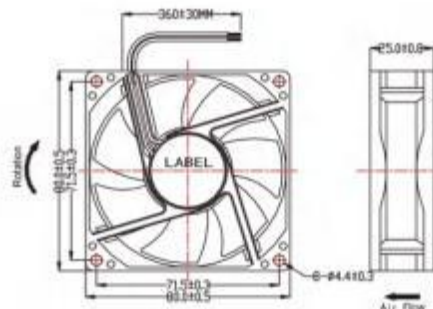
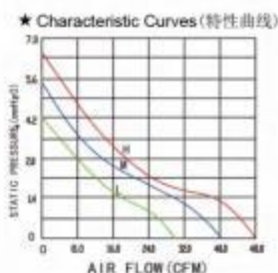
GN2560/GN2580/GN2592



60x60x25mm

型号 Model	电压 Voltage V	轴承 Bearing Type	电流 Current Amp	功率 Power W	转速 Speed Rpm	风量 Airflow Cfm	风压 Pressure (mmH <sub>2</sub> O)	噪音 Noise dB(A)
GN2560EC11/22BL	110-220	Ball	0.025	1.5	3300	15.0	5.5	26.1
GN2560EC11/22BL	110-220	Ball	0.035	2.5	4300	19.5	7.2	34
GN2560EC11/22BL	110-220	Ball	0.055	4.5	5200	23.6	8.7	41.1

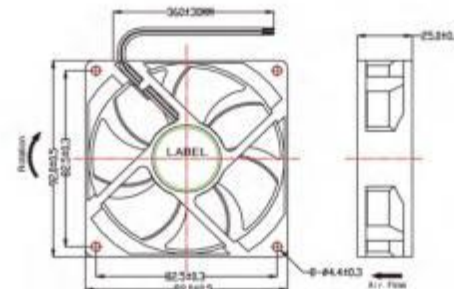
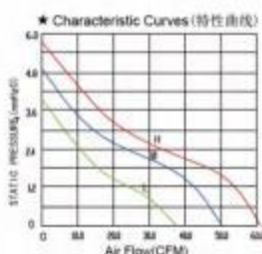
GN=Factory Type, 2560=60\*60\*25mm, EC=EC 11/22=110-220V, BL=Ball 滚珠轴承, 常规款为110-220V, 其他电压咨询客服



80x80x25mm

型号 Model	电压 Voltage V	轴承 Bearing Type	电流 Current Amp	功率 Power W	转速 Speed Rpm	风量 Airflow Cfm	风压 Pressure (mmH <sub>2</sub> O)	噪音 Noise dB(A)
GN2580EC11/22BL	110-220	Ball	0.025	2	2500	30.4	4.2	26.8
GN2580EC11/22BL	110-220	Ball	0.04	3	3300	40.2	5.5	35.4
GN2580EC11/22BL	110-220	Ball	0.05	4.5	4000	48.7	6.7	42.9

GN=Factory Type, 2580=80\*80\*25mm, EC=EC 11/22=110-220V, BL=Ball 滚珠轴承, 常规款为110-220V, 其他电压咨询客服



92x92x25.5mm

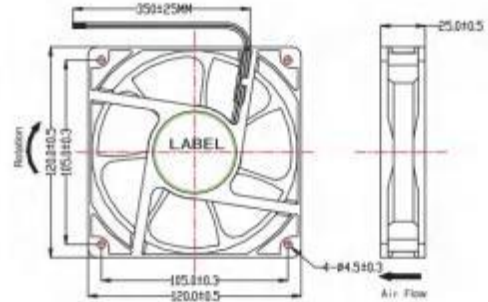
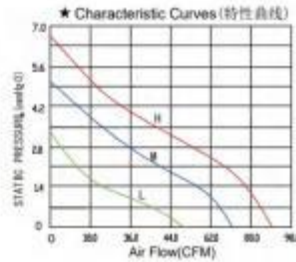
型号 Model	电压 Voltage V	轴承 Bearing Type	电流 Current Amp	功率 Power W	转速 Speed Rpm	风量 Airflow Cfm	风压 Pressure (mmH <sub>2</sub> O)	噪音 Noise dB(A)
GN2592EC11/22BL	110-220	Ball	0.025	2	2300	38.5	3.8	26.1
GN2592EC11/22BL	110-220	Ball	0.045	3.5	3000	50.3	4.9	34.1
GN2592EC11/22BL	110-220	Ball	0.065	5	3600	60.3	5.9	40.9

GN=Factory Type, 2592=92\*92\*25.5mm, EC=EC 11/22=110-220V, BL=Ball 滚珠轴承, 常规款为110-220V, 其他电压咨询客服

● EC 风机

GN25120/GN38120

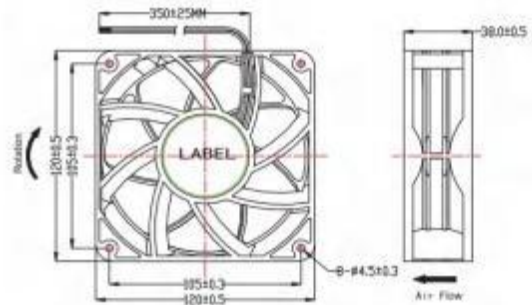
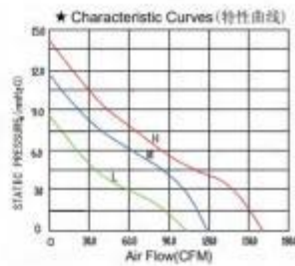
D



120x120x25mm

型号 Model	电压 Voltage V	轴承 Bearing Type	电流 Current Amp	功率 Power W	转速 Speed Rpm	风量 Airflow Cfm	风压 Pressure (mmH <sup>2</sup> O)	噪音 Noise dB(A)
GN25120EC11/22BL	110-220	Ball	0.02	1.5	1800	49	3.5	24
GN25120EC11/22BL	110-220	Ball	0.03	3	2600	70.8	5.1	34.6
GN25120EC11/22BL	110-220	Ball	0.06	6	3500	95.3	6.8	46.7

GN=Factory Type, 25120=120\*120\*25mm, EC=EC 11/22=110-220V, BL=Ball 滚珠轴承, 常规款为110-220V, 其他电压咨询客服



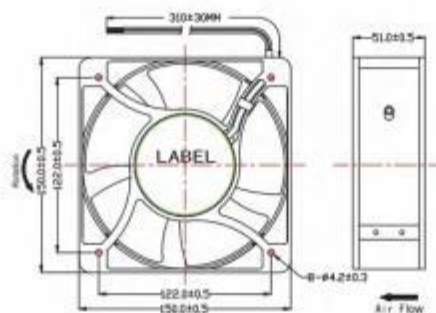
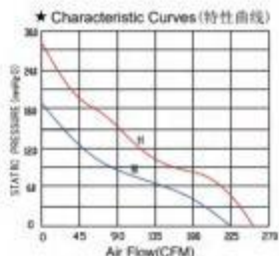
120x120x38mm

型号 Model	电压 Voltage V	轴承 Bearing Type	电流 Current Amp	功率 Power W	转速 Speed Rpm	风量 Airflow Cfm	风压 Pressure (mmH <sup>2</sup> O)	噪音 Noise dB(A)
GN38120EC11/22BL	110-220	Ball	0.03	3	2350	100.9	8.9	31.4
GN387120EC11/22BL	110-220	Ball	0.05	6	3100	133.1	11.7	41.5
GN38120EC11/22BL	110-220	Ball	0.08	11	3850	165.3	14.5	51.5

GN=Factory Type, 38120=120\*120\*38mm, EC=EC 11/22=110-220V, BL=Ball 滚珠轴承, 常规款为110-220V, 其他电压咨询客服

EC 风机

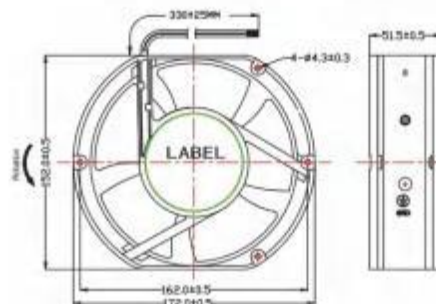
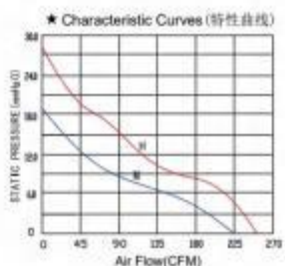
GN50150/GN51172/GN60200



150x150x50mm

型号 Model	电压 Voltage V	轴承 Bearing Type	电流 Current Amp	功率 Power W	转速 Speed Rpm	风量 Airflow Cfm	风压 Pressure (mmH <sup>2</sup> O)	噪音 Noise dB(A)
GN50150EC11/22BL	110-220	Ball	0.15	18	3200		19.5	58.4
GN50150EC22BL	220	Ball	0.2	27	3850		28.5	63

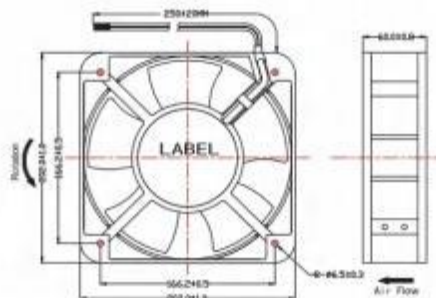
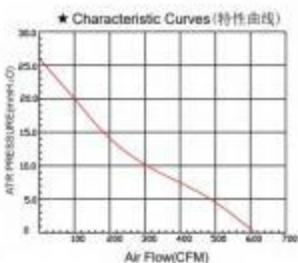
GN=Factory Type,50150=150\*150\*50mm,EC=EC 11/22=110-220V,BL=Ball 滚珠轴承, 常规款为110-220V, 其他电压咨询客服



172x152x51mm

型号 Model	电压 Voltage V	轴承 Bearing Type	电流 Current Amp	功率 Power W	转速 Speed Rpm	风量 Airflow Cfm	风压 Pressure (mmH <sup>2</sup> O)	噪音 Noise dB(A)
GN51172EC11/22BL	110-220	Ball	0.15	18	3200	224	19.5	58.4
GN51172EC22BL	220	Ball	0.2	27	3850	255	28.5	63

GN=Factory Type,50150=172\*152\*51mm,EC=EC 11/22=110-220V,BL=Ball 滚珠轴承, 常规款为110-220V, 其他电压咨询客服



200x200x60mm

型号 Model	电压 Voltage V	轴承 Bearing Type	电流 Current Amp	功率 Power W	转速 Speed Rpm	风量 Airflow Cfm	风压 Pressure (mmH <sup>2</sup> O)	噪音 Noise dB(A)
GN60200EC22BL	220	Ball	0.25	38	2500	535	19.1	59

GN=Factory Type,60200=200\*200\*60mm,EC=EC 22=220V,BL=Ball 滚珠轴承, 常规款为110-220V, 其他电压咨询客服

5



## 温控器

江苏稳不落配线器材有限公司  
Wenbuluo Electrical Co.,Ltd

小巧/结构紧凑恒温器

JR1/JW1



JR1: 恒温器(常闭);接触短路器调节加热器

JW1: 恒温器(常开)

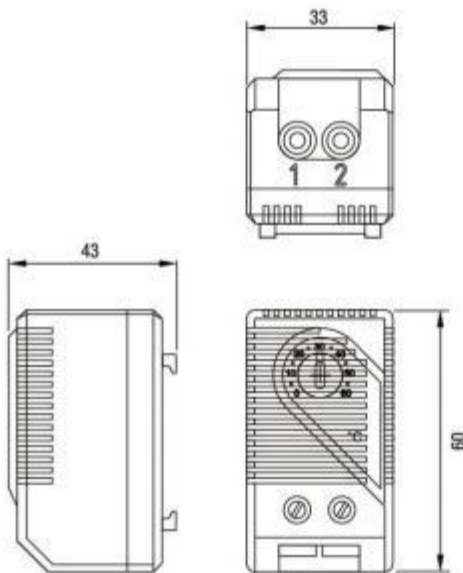
当超过温度极限的时候, 接合器调节过滤风扇和热交换器或切换信号装置。

JR1:Thermostat (normally closed);Coact breaker for regulating heaters.

JW1:Thermostat (normally open);

Contact Maker for regulating of filter fans and heat exchangers or for switching signal devised when temperature limit has been exleeded.

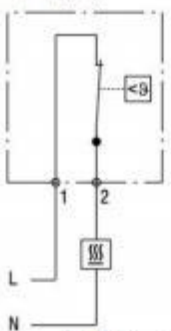
D



接线图

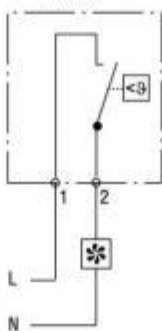
Connection diagrams

恒温器 JR1 (常闭) (Nc)

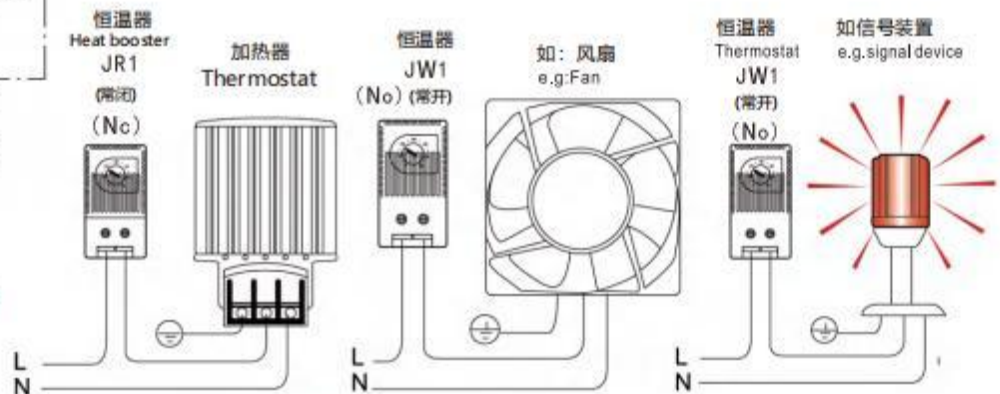


加热器 Heater

恒温器 JW1 (常开) (No)



过滤风扇、冷却设备、信号装置  
Filter-fan,Cooling,equipment, signal device



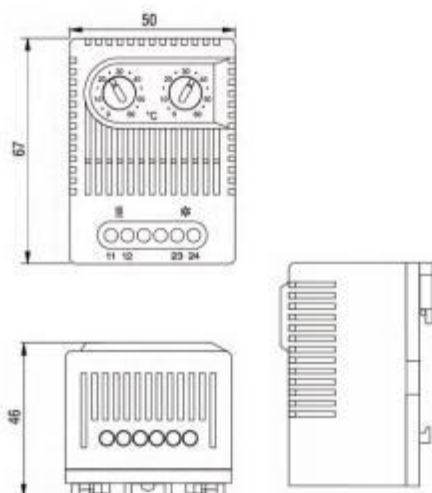
连接的例子 Example

技术参数 Technical Data

切换温差 Switch temperature different	7K [ ±4开尔文 (K) 的误差 ] 7K( ±4Ktolerance)
传感器元件 Sensor element	恒温双金属 thermostatic bimetal
接触器种类 Contact type	突动触头 Snap-action Contact
接触器电阻 Contact resistance	小于10 兆欧 <10 MΩ
使用寿命 Servicelife	大于 100,000 循环 >100,000 Cycles
最高切换负荷 Max-Switching Capacity	250伏交流电, 10(2) 安培 250VAC,10(2)A 120伏交流电, 15(2) 安培 120VAC,15(2)A 直流电 (DC)30 瓦 30WDCAT24V DCTO 72VDC
电磁兼容 (EMC) EMC	符合欧盟标准 EN55014-1-2, EN61000-3-2和EN61000-3-3 Conform to EN55014-1-2, EN61000-3-2,EN610 00-3-3
连接方式 Connection	2-极接线柱, 最大夹紧扭矩 0.5 牛·厘米: 刚性线 2.5 平方毫米多股绞合线 (有线箍) 1.5 平方毫米 2-pole terminal,clamping torque 0.5Nm max rigid wire 2.5mm²stranded wire (with wire end ferrule)1.5mm²
安装 Mounting	35毫米 DIN导轨的夹子, 符合欧盟标准 EN60715( 或用于过滤器出口 EF 118系列 ) Clip for 35mmDIN rail,EN60715
外壳 Casing	塑料, 满足保险商实验室标准 UL94V-0, 浅灰色 Plastic acord to UL94V-0, light grey
外形尺寸 Dimensions	60x33x43mm
重量 Weight	大约 40克 approx.40g
装配位置 Fitting Position	根据情况而定 Variable
运行和储藏温度 Operating/Storage temperature	-45 至 +80 摄氏度 (-49 至 +176 华氏度) -45to+80 °C (-49to+176 ° F)
防护种类 Protection type	IP 20级 IP 20/II

● 双联恒温器

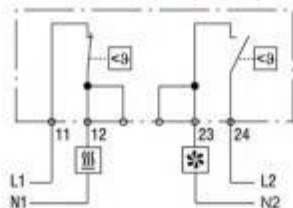
SK1



接线图

Connection diagram

恒温器SK1 (常闭/常开)  
Thermostat SK1(Nc/No)



加热器  
Heater



滤风扇 Fitter fan  
冷却设备Cooling equipment  
信号装置Signal device

- 一个外壳里面的常开和常闭触头 NO and NC in one casing
- 可以单独调节温度 Separate adjustable temperatures
- 切换能力较高 High Switching Capacity
- 接线方便 Terminals easily accessible
- 卡式安装 Clip fixing

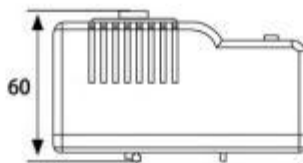
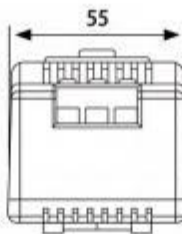
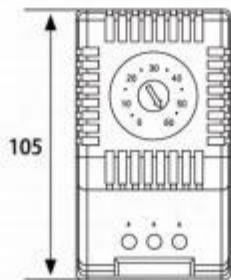
用于调节加热器的恒温器(接触断路器, 常闭)当超过温度极限的时候, 调节过滤风扇和热交换器或切换信号装置的恒温器(接合器, 常开)。加热器和冷却设备可以单独相互切换, 有温度偏差, 与常规的切换触头相反

Thermostat (Contact breaker, normally closed) for regulating heaters, Thermostat (Contact breaker, normally open) for regulating filter fans and heat exchangers or switching signal devices when temperature limit has been exceeded. Heaters and cooling equipment can be switched independently from each other with a temperature offset as opposed to the usual change-over contacts.

技术参数 Technical Data

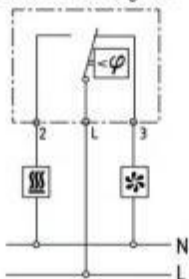
切换温差 Switch temperature different	7K [ ±4开尔文 (K) 的误差 ] 7K(±4K tolerance)
传感器元件 Sensor element	恒温双金属 thermostatic bimetal
接触器种类 Contact type	突动触头 snap-action Contact
接触器电阻 Contact resistance	小于10兆欧 < 10MΩ
使用寿命 Service life	大于100,000循环 > 100,000 Cycles
最高切换负荷 Max Switching Capacity	25伏交流电, 10(2) 安培 25VAC, 10(2)A 120伏交流电, 15(2) 安培 120VAC, 15(2)A 直流电 (DC)30瓦 30WDCAT 24VDC TO 72VDC
电磁兼容 (EMC) EMC	符合欧盟标准 EN55014-1-2, EN61000-3-2和 EN61000-3-3 Conform to EN55014-1-2, EN61003-3-2, EN61000-3-3
连接方式 Connection	4-极接线柱, 最大夹紧扭矩 0.5 牛·厘米: 刚性线 2.5 平方毫米多股绞合线 (有线端) 1.5 平方毫米 4-pole terminal, clamping torque 0.5 Nm max rigid wire 2.5mm <sup>2</sup> stranded wire (with wire end ferrule) 1.5mm <sup>2</sup>
安装 Mounting	35毫米 DIN 导轨的夹子, 符合欧盟标准 EN60715 Clip for 35mm DIN rail, EN 60715
外壳 Casing	塑料, 满足保险实验室标准 UL94V-0, 浅灰色 Plastic accord to UL94V-0, light grey
外形尺寸 Dimensions	67 × 50 × 46mm
重量 Weight	大约 90克 approx. 40g
装配位置 Fitting Position	根据情况而定 Variable
运行和储藏温度 Operating/Storage temperature	-45 至 +80 摄氏度 (-49 至 +176 华氏度) -45 to +80 °C (-49 to +176 °F)
防护种类 Protection type	IP20 级 IP20/II
认证 Approvals	保险实验室 (UL) 卷宗编号 No. E164102 VDE+ UL File No. E164102

设置范围 Seffing Range		设置范围 Seffing Range	
接触断路器, 常闭 Contact breaker (Nc)	0 至 +60 摄氏度 0 to +60 °C	接合器, 常开 Contact maker (No)	0 至 +60 摄氏度 0 to +60 °C
接触断路器, 常闭 Contact breaker (Nc)	+32 至 +140 华氏度 +32 to +140 °F	接合器, 常开 Contact maker (No)	+32 至 +140 华氏度 +32 to +140 °F
接触断路器, 常闭 Contact breaker (Nc)	10 至 +50 摄氏度 -10 to +50 °C	接合器, 常开 Contact maker (No)	+20 至 +80 摄氏度 +20 to +80 °C
接触断路器, 常闭 Contact breaker (Nc)	+14 至 +122 摄氏度 +14 to +122 °F	接合器, 常开 Contact maker (No)	+68 至 +176 摄氏度 +68 to +176 °F
接合器, 常开 Contact maker (No)	0 至 +60 摄氏度 0 to +60 °C	接合器, 常开 Contact maker (No)	0 至 +60 摄氏度 0 to +60 °C
接合器, 常开 Contact maker (No)	+32 至 +140 华氏度 +32 to +140 °F	接合器, 常开 Contact maker (No)	+32 至 +140 华氏度 +32 to +140 °F



接线图

Connection diagram



机柜加热器 Enclosure Heater

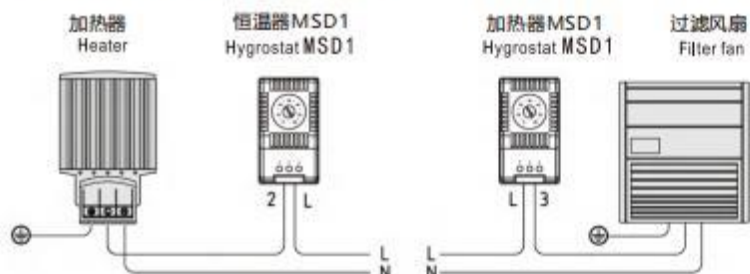
过滤风扇、冷却设备、信号装置  
Filter-fan, Cooling, equipment, signal device

相对湿度可以调节	Adjustable relative humidity
切换接触器	Change-over contact
切换能力较高	High Switching Capacity
接线方便	Terminals easily accessible
卡式安装	Clip fixing

设计有电动机机械恒温器MSD1,用于控制机柜加热器,目的是当临界相对湿度超过65%的时候,提高露点。在这种情况下,可以有效防止冷凝和腐蚀。  
The electromechanical hygrostat is designed to control enclosure heaters so that the dew point is raised when a critical relative humidity of 65% is exceeded. In this way condensation and corrosion in enclosures with electric / electronic components is effectively prevented.

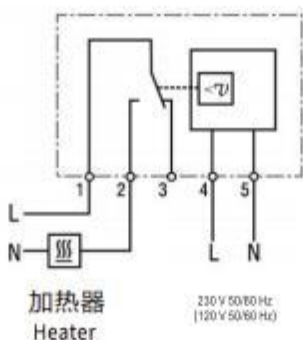
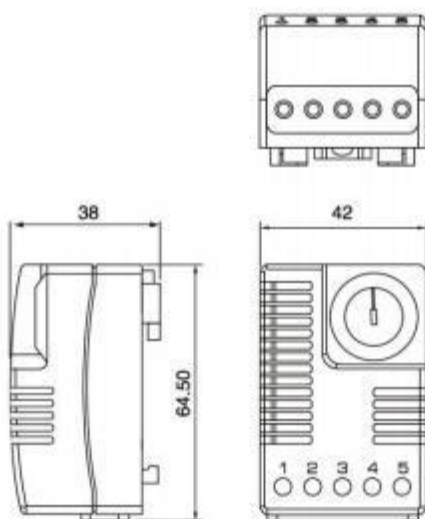
切换误差 Switch difference	4%相对湿度 (RH)(±3%的误差) 4%RH(±3% tolerance)
可允许的风速 Permissible air velocity	15米/秒 15m/sec
接触器种类 Contact type	突动触头 snap-action Contact
接触器电阻 Contact resistance	小于10兆欧 <10 MΩ
使用寿命 Service life	大于100,000循环 >100,000 Cycles
切换能力最低 Min. switching capacity	20伏交流电 / 直流电, 100毫安 (20 VAC/DC, 100 毫安)
最高切换负荷 Max. Switching Capacity	250伏交流电, 5(1)安培 [50VAC, 5(1)A] 直流电 (DC) 20瓦 250VAC, 5(1)A 20W DC
电磁兼容 (EMC) EMC	符合欧盟标准 EN55014-1-2, EN61000-3-2和EN61000-3-3 Conform to EN55014-1-2, EN61003-3-2, EN61000-3-3
连接方式 Connection	3-板接线柱为 2.5 平方毫米, 最大夹紧扭矩 0.5 牛顿米; 刚性线 2.5 平方毫米多股绞合线 (有线箍) 1.5平方毫米 3-pole terminal, clamping torque 0.5 Nm max stranded wire (with wire end ferrule) 1.5mm <sup>2</sup>
安装 Mounting	35毫米 DIN导轨的夹子, 符合欧盟标准EN60715 Clip for 35 mm DIN rail, EN60715
外壳 Casing	塑料, 满足保险实验室标准 UL94V-0, 浅灰色 Plastic accord to UL94 V-0, light grey
外形尺寸 Dimensions	67x50x38mm
重量 Weight	大约 60克 approx. 40g
装配位置 Fitting Position	根据情况而定 Variable
运行和储藏温度 Operating/Storage temperature	0至+60°C (32至+140华氏度) / -20至80°C (-4至+176°F) 0 to +60°C (+32 to +140°F) / -40 to 60°C (-40 to +140°F)
防护种类 Protection type	IP 20级 IP 20/ II
认证 Approvals	保险实验室 (UL) 卷宗编号 No.E164102 VDE+ UL File No.E164102

在50%相对湿度 (RH) 的条件下 at 50%RH



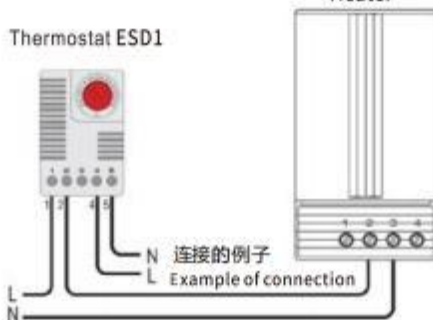
电子温控器

ESD1



接线图  
Connection diagram

Thermostat ESD1

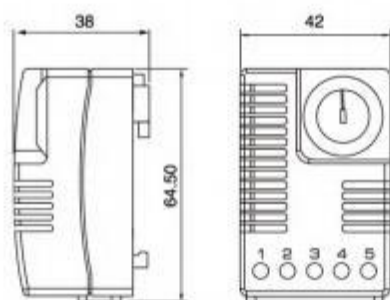
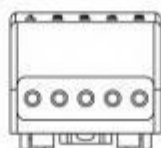


设置范围大	Large setting range
磁滞小	Small hysteresis
光学运行显示屏(LED)	Optical operating display(LED)
切换接触器	Change-over contact
卡式安装	Clip fixing

该电子恒温器用于控制加热合格冷凝设备, 过滤器风扇或信号装置。该恒温器通过继电器和切换接触器记录周围空气以及切换感应和电阻负载。当常闭接触器关闭的时候, 整合在调节旋钮中的LED灯被点亮(例如: 当一个被连接的加热器正在运行的时候)。

The electronic thermostat is used for controlling heating and cooling equipment filterfans or signal devices. The thermostat registers the surrounding air and can switch both inductive and resistive loads via relay with change-over contact. The LED integrated in the adjustment knob is lit when the NC contact is closed (e.g. when a connected heater is operating).

切换误差 Switch difference	在 20°C / °F, 4K (± 1K 误差) 4K (± 1K tolerance) at 20°C / 68°F
感应元件 Sensor element	NTC (负温度系数) NTC
反应时间 Reaction time	大约 5秒 approx. 5 sec.
接触器类型 Contact type	交换接触器(继电器) change-over contact (relay)
寿命 Service life	> 50,000 循环 > 50,000 cycle
最大切换负荷(继电器输出) Max. Switching Capacity (relay output)	240VAC, 8(1.6)A 120VAC, 8(1.6)A 24VDC, 4A
光学显示器 Optical indicator	LED
连接方式 Connection	5 极端子, 最大夹紧扭矩 0.5 牛·米: 刚性线 2.5 mm² 多股绞和线 (有线箍) 1.5 mm² 5-pole terminal, clamping torque 0.5 Nm max. rigid wire 2.5 mm² stranded wire (with wire end ferrule) 1.5 mm²
安装 Mounting	35 毫米 DIN 导轨的夹子, EN 60715 clip for 35 mm DIN rail, EN 60715
外形尺寸 Casing	64.5 x 42 x 38 mm plastic according to UL94 V-0, light grey
重量 Dimensions	大约 70 克 64.5 x 42 x 38 mm
安装位置 Weight	垂直 approx. 70g
运行和储藏温度 Fitting position	-40 ~ +85°C (-40 ~ +185°F) vertical
运行和储藏湿度 Operating/Storage temperature	最大相对湿度 90% (不冷凝) -30 to +60°C (-22 to +140°F) / -40 to +85°C (-40 to +185°F)
保护种类 Protection type	IP 20 IP 20

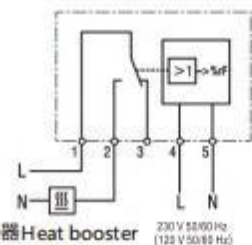


L(含义: 电气的相位或线)

N(含义: 电气的零线)

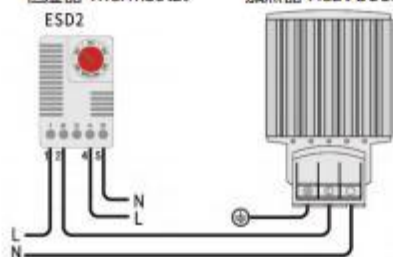
L(implication:electric phase or wire)

N(implication:electric naught wire)



恒湿器 Thermostat  
ESD2

加热器 Heat booster



连接的例子 Example of connection

- 可调节和预设置相对湿度 Adjustable and pre-set relative humidity
- 光学运行显示屏 (发光二极管LED) Status indicator (LED)
- 切换能力较高 High Switching Capacity
- 卡式安装 Clip Fixing
- 温度可以补偿 Temperature-compensated

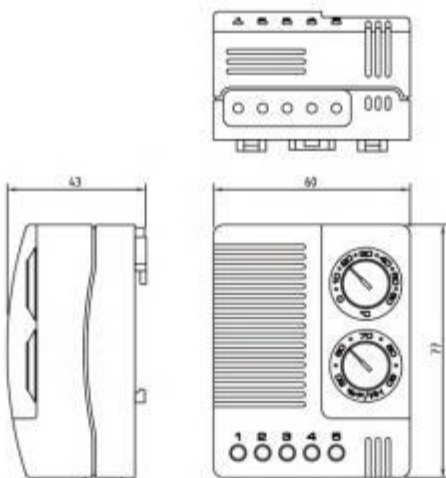
电子恒湿器通过电动/电子元件感应机柜内的相对湿度,并在设定点打开加热器,有助于防止机柜内形成冷凝。当连接的加热器运行的时候,集成在调节旋钮内的发光二极管(LED)亮。  
The electronic hygrostat senses the relative humidity in an enclosure with electric/electronic components and turns on a heater at the set point, helping prevent the formation of condensation in the enclosure the led integrated in the adjustment knob is lit when the connected heater is in operation.

技术参数 TECHNICAL DATA

切换误差 Switch difference	在 25摄氏度/77华氏度【50%相对湿度 (RH)】的条件下,5%相对湿度 (RH) (±1% 相对湿度 (RH) 误差) 5%RH(±1%RHtolerance) at +25 °C (+77 °C),50%RH
反应时间 Reaction time	大约 5秒。 Approx 5sec
接触器种类 Contact type	切换接触器 (继电器) change-over contact(relay)
使用寿命 Service life	大于 50,000 循环 >50,000cycle
最高切换负荷 (继电器输出) Max switching capacity (relay output)	240伏交流电, 8(1.6) 安培 120伏交流电, 8(1.6) 安培 24伏直流电, 4安培 (24 VDC,4 安培) 240VAC/120V ACB(16)A DC100W at 24VDC
电磁兼容 (EMC)	符合欧盟标准EN55014-1-2,EN61000-3-2和EN61000-3-3 Conform to EN55014-1-2,EN61003-3-2,EN61000-3-3
光学指示器 Optical indicator	发光二极管 (LED)
连接方式 Connection	5-极接线柱, 最大夹紧扭矩 0.5 牛·米: 刚性线 2.5 平方毫米 多股绞合线 (有线箍)1.5 平方毫米 5-pole terminal, clamping torque 0.5Nm max: rigid wire 2.5mm <sup>2</sup> stranded wire(with wire end ferrule)1.5mm <sup>2</sup>
安装 Mounting	35毫米 DIN导轨的夹子, 符合欧盟标准 EN 60715 clip for 35mm DIN rail, EN60715
外壳 Casing	塑料, 满足保险实验室标准 UL94V-0, 浅灰色 plastic according to UL94V-0, light grey
外形尺寸 Dimensions	64.5x42x38mm
重量 Weight	大约 70克 approx.70g
装配位置 Fitting position	垂直方向 vertical
运行和储藏温度 Operating/Storage temperature	0至+60 摄氏度 (+32至+140华氏度) /-20 to 70摄氏度 (-4 至+158华氏度) 0 to +60°C (+32to +140°F) /-20to +70 °C (-4to+ 158°F)
最高储藏湿度 Operating/Storage humidity	90%相对湿度 (RH)(不冷凝) max.95%RH(non-condensing)
防护种类 Protection type	IP 20级 IP 20

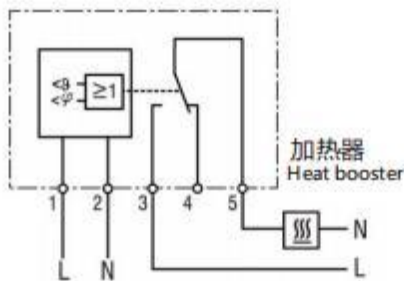
电子湿度温控器

ESD3

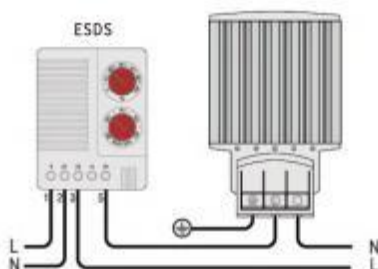


L[含义: 电气的相位或线]  
N [含义: 电气的零线]  
L(implication: electric phase or wire)  
N(implication: electric naught wire)

接线图 Connection diagram



连接的例子 Example



- 温度和湿度可以调节 Temperature and humidity adjustable
- 光学运行显示屏【发光二极管(LED)】 Status indicator (LED)
- 切换能力较高 High switching capacity
- 卡式安装 Clip fixin

电子温湿度控制器通过电动/电子元件感应机柜内的环境温度和相对湿度,并在设 任一定点打开加热器(或者风扇),有助于防止机柜内形成冷凝。当连接的装置 运行的时候,集成在主动控制器调节旋钮内的发光二极管(LED)亮。

The electronic hygrotherm senses the ambient temperature and relative humidity in an enclosure with electric/electronic components and turns on a heater(or alternatively a fan)at either set point,helping prevent the formation of condensation in the enclosure.Due to its wide voltage range the hygrotherm can be utilised anywhere in the world.&nbsp; The LED integrated in the adjustment knob on the active controller is lit when the connected device is in operation.

技术参数 TECHNICAL DATA

切换误差(温度) Switch difference(temperature)	在 25摄氏度 /77华氏度【 50%相对湿度 (RH)】的条件下, 2开尔文 (K)(± 1%误差) 50%RH at 25°C /77° F,2K(± 1%tolerance)
切换误差(湿度) Switch difference(humidity)	在 25摄氏度 /77华氏度【 50%相对湿度 (RH)】的条件下, 4%相对湿度 (RH)(± 1%误差) 50%RH at 25°C /77° F,4%RH ± 1%tolerance
反应时间 Reaction time	大约 5秒 Approx.5sec.
接触器种类 Contact type	切换接触器 (继电器) Change-over Contact (relay)
接触器电阻 Contact resistance	小于 10兆欧 <10MΩ
使用寿命 Service life	常闭: 大于50,000 循环 NC:> 5,000 Cycles 常开: 大于100,000 循环 NO:>10,000Cycles
最高切换负荷(继电器输出) Max.switching capacity (Relay Output)	常闭: 240伏交流电, 6(1) 安培 NC:240V AC,6(1)A 常开: 240伏交流电, 8(1.6) 安培 NO:240VAC,8(1.6)A 常闭: 120伏交流电, 6(1) 安培 NC:120V AC,6(1)A 常开: 120伏交流电, 8(1.6) 安培 NO:120VAC,8(1.6)A 24伏直流电, 4安培 (24VDC,4安培) 24V DC,4A
电磁兼容 (EMC)	符合欧盟标准EN55014-1-2,EN61000-3-2和EN61000-3-3 Conform to EN55014-1-2, EN61003-3-2, EN61000-3-3
光学指示器 Optical indicator	发光二极管 (LED)
连接方式 Connection	5-极接线柱, 最大夹紧扭矩 0.5 牛·米: 刚性线 2.5 平方毫米 多股绞合线(有线箍)1.5 平方毫米 5-pole, clamping torque 0.5Nm max Rigid wire 2.5mm <sup>2</sup> stranded wire(with wire end ferrule)1.5mm <sup>2</sup>
安装 Mounting	35毫米 DIN导轨的夹子, 符合欧盟标准EN60715 Clip for 35mmDIN rail, EN60715
外壳 Casing	塑料, 符合UL94V-0, 浅灰色 Plastic according to UL94V-0, light grey
外形尺寸 Dimensions	77x60x43 mm
重量 Weight	大约 0.2kg approx.0.2kg
装配位置 Fitting position	垂直方向 Vertical
运行和储藏温度 Operating/Storage temperature	0至 +60°C(+32至 +140华氏度)/-20 至 80°C (-4 至 +176°F) -0 to +60°C (+32to +140°F) 1-20to +80°C (-4to +176°F)
防护种类 Protection type	IP 20级 IP 20/I1



## 加热器

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江苏稳不落配线器材有限公司  
Wenbuluo Electrical Co.,Ltd

小型半导体加热器

JR 048

10W-30W



- 动态加热 Dynamic Heating
- 节约能量 Energy Saving
- 较宽的电压范围 Wide Voltage Range
- 设置温度极限 Temperature Limiting
- 卡式安装 Clip Fixing

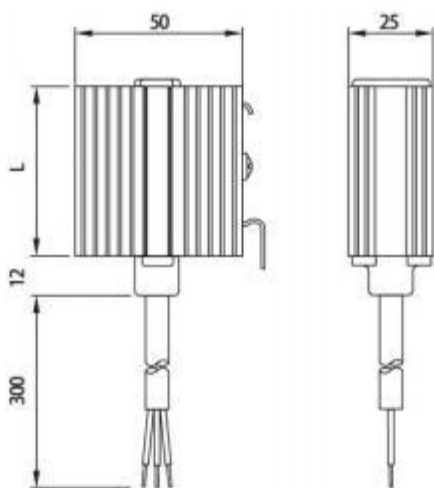
为了防止冷凝或在温度有可能降至最低值以下，机柜装有加热器，这样可以避免腐蚀 和保证温度均匀。

The heaters are used in enclosures where condensation is to be prevented or the temperature may not fall below a minimum value. In this way, corrosion is avoided and an even temperature is ensured.

技术参数 TECHNICAL DATA

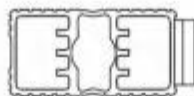
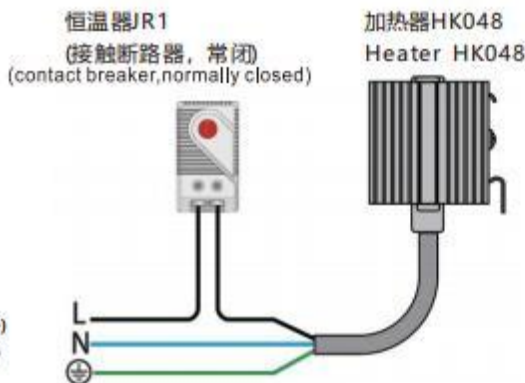
加热元件 Heating element	正温度系数 (PTC) 电阻器, 设置温度极限 PTC resistor, self regulating and temperature limiting
加热器本体 Heater body	外形轮廓为挤压铝材, 有阳极保护 extruded aluminium profile, anodised
安装 Mounting	35毫米 DIN导轨的夹子, 符合欧盟标准 EN60715 clip for 35mm DIN rail, EN 50022
装配位置 Fitting position	垂直方向 vertical
运行和储藏温度 Operating/Storage temperature	-40至+70摄氏度 -50至+90摄氏度 -40 to +70°C -50 to +90°C
防护种类/防护等级 Protection type/Protection class	IP 20级 /I(接地) IP 20/I(earthed)

35毫米DIN导轨的夹子  
Clip for 35mm DIN rail



运行电压: 140伏交流电/直流电(140VAC/DC), 发热性能降低大约10%  
Operating with voltages below 140VAC/DC reduces heating performance by approx.10%.

连接的例子 Example of connection



L(含义: 电气的相位或线)  
N(含义: 电气的零线)  
L(implication: electric phase or wire)  
N(implication: electric naught wire)

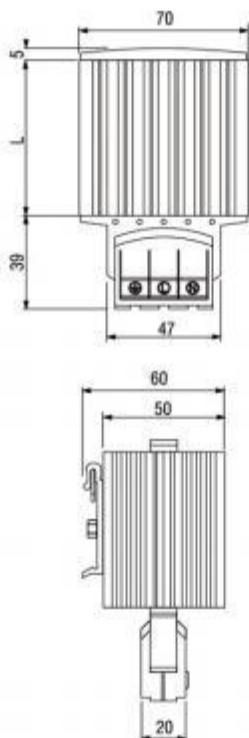
型号 Art. No.	运行电压 Operating voltage	加热量 1 Heating capacity*	最大冲击电流 Inrush current max	长度 (L) Length	大约重量 Weight (approx.)	连接方式 Connection
JR 048 10W	120-240V AC	10W	1.0A	50mm	0.1KG	3x0.5mm <sup>2</sup> x300mm护套电缆(硅树脂)sheathed cable
JR 048 20W	120-240V AC	20W	2.5A	60mm	0.2KG	3x0.5mm <sup>2</sup> x300mm护套电缆(硅树脂)sheathed cable
JR 048 30W	120-240V AC	30W	3.0A	70mm	0.2KG	3x0.5mm <sup>2</sup> x300mm护套电缆(硅树脂)sheathed cable

环境温度20摄氏度(68华氏度)运行电压: 140伏交流电/直流电(140VAC/DC), 发热性能降低大约10%。

\*1) at 20 °C (68 °F) ambient temperature (min. 110V, max 265V) Operating with voltages below 140V AC/DC reduces heating performance by approx. 10%



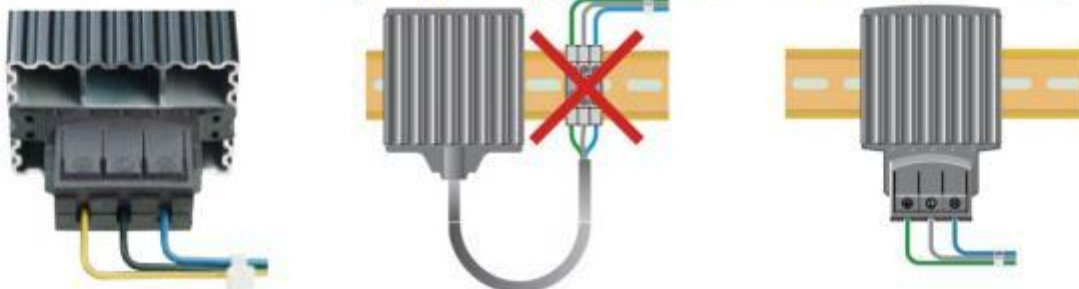
压力夹具接头、导线、接线端子	Pressure clamp connectors, Wireway, The wiring terminal
动态加热	Dynamic heating up
较宽的电压范围	Wide voltage range
设置温度极限	Temperature limit setting
节约能量	Energy saving
卡式安装	Clip fixing
快速安装	Quick installation



技术参数 TECHNICAL DATA

运行电压 Operating voltage	120-240伏交流电/直流电*(最低110伏,最高265伏) 120-240VAC/DC*(min.110V,max.265V)
加热元件 Heating element	正温度系数(PTC)电阻器,设置温度极限 PTC resistor-temperature limiting
加热器本体 Heater body	外形轮廓为挤压铝材,有阳极保护 extruded aluminium profile, anodised
连接方式 Connection	3-极丝扣接头 2.5平方毫米,最大夹紧扭矩为0.8牛顿米 3-pole screw connector 2.5mm <sup>2</sup> , clamping torque 0.8Nm max.
外壳连接方式 Connection casing	塑料,满足保险商实验室标准 UL94V-0黑色 plastic according to UL94V0, black
安装 Mounting	35毫米DIN导轨的夹子,符合欧盟标准 EN60715 clip for 35mm DIN rail, EN60715
装配位置 Fitting position	垂直方向 vertical airflow (air outlet up, connection on bottom)
运行和储藏温度 Operating Storage temperature	-40至+70摄氏度 -50至+90摄氏度 -40 to +70°C -50 to +90°C
防护种类/防护等级 Protection type/Protection class	IP20级/I(接地) IP20/I(earthed)
认证 Approvals	CE

运行电压: 140伏交流电/直流电(140VAC/DC), 发热性能降低大约10%  
Operating with voltages below 140VAC/DC reduces heating performance by approx.10%.

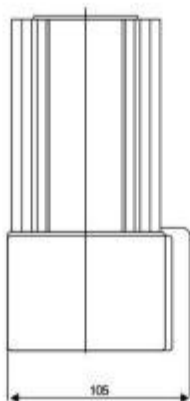
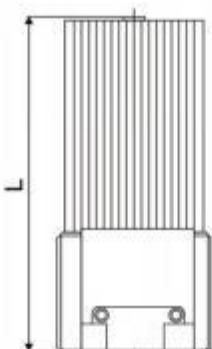


型号Art.No.	运行电压Operating voltage	加热量*Heating capacity	外形尺寸Outer size	安装Installation
JR 140-50W	230VAC,50/60Hz	50W	60x70x50mm	卡式安装Clip fixing
JR 140-100W	230VAC,50/60Hz	100W	140x70x50mm	卡式安装Clip fixing
JR 140-150W	230VAC,50/60Hz	150W	220x70x50mm	卡式安装Clip fixing

● 半导体风扇加热器

JR 046

250W-600W

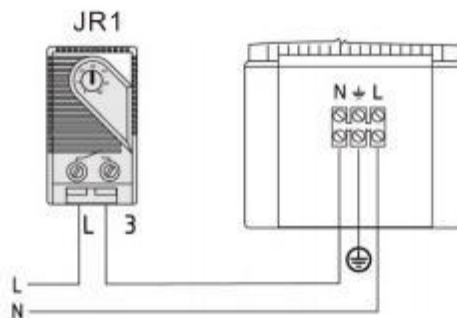
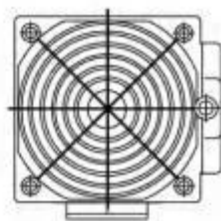


技术参数 TECHNICAL DATA

加热元件 Heating element	正温度系数(PTC)加热元件 PTC resistance heater
冲击电流 Rush current	230伏交流电(230VAC)的情况下,最大电流12安培, 120伏交流电(120VAC)的情况下,最大电流6安培 Max.12A with 230VAC working Max.6A with 120VAC working
表面温度 Surface temperature	外壳的最高温度90摄氏度;上部保护格栅的温度为 100摄氏度,环境温度20摄氏度(68华氏度) Surface temperature:Max.90°C for casing,100°C for top protective grille,at 20°C(68°F)for ambient temperature
轴流风扇,滚珠轴承 Axial fan,ball bearing	气流13.8立方米/小时,自由流动40摄氏度条件下, 使用寿命为40,000小时 13.8m³/h for airflow,service life4000h at 40°C
连接方式 Connection	3-极螺钉接头2.5平方毫米,最大夹紧扭矩为0.8牛·米 3-pole screw connector 2.5mm²,clamping torque 0.8Nm max.
加热器本体 Heaterbody	外形轮廓为挤压铝材,有阳极保护 extruded aluminum profile,anodised
安装 Mounting	35毫米DIN导轨的夹子,符合欧盟标准 EN 60715或螺丝紧固 (直径为5.3毫米) clip for 35mm DIN rail,EN 60715 or screw fastening (OD is 5.3 mm)
装配位置 Fitting position	垂直方向 vertical airflow(air outlet up)
重量 Weight	大约0.3千克 approx.0.3kg
运行和储藏温度 Operating/Storage temperature	-40至+70摄氏度 -40-- +70°C -50至+90摄氏度 -50 to +90°C
防护种类/防护等级 Protection type/Protection Level	IP20级/II(双绝缘) IP20/II(earthed)

注意!加热器只能与风扇同时运转,否则,有过热的危险!

Note:Heater may only be operated together with fan Danger of overheating!



型号Art.No.	运行电压Operating voltage	加热量*Heating capacity	外形尺寸Outer size	安装Installation
JR 046-250	230VAC,50/60Hz	250W	182X105X86mm	卡式安装Clip fixing
JR 046-400	230VAC,50/60Hz	400W	222X105X86mm	卡式安装Clip fixing
JR 046-600	230VAC,50/60Hz	600W	222X105X86mm	卡式安装Clip fixing

在环境温度为20摄氏度(68华氏度)的条件下

In the environment temperature condition of 20°C(68°F)



(B)

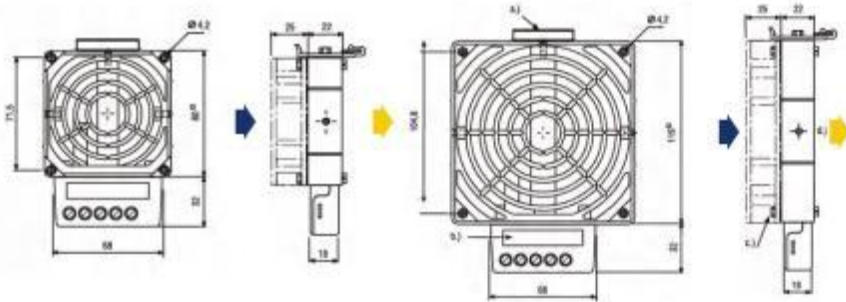


技术参数 TECHNICAL DATA

JR-031	不带风扇的加热器(包括风扇安装组件) Heater without fan (fan mounting kit included)
JRF-031	带风扇的加热器 Heater with fan
加热元件 Heating element	高性能加热丝 High performance cartridge
温度安全开孔 Temperature safety cut-out	如果风扇失效,防止过热 to protect against over heating in case of fan failure
加热器本体 Heater body	压铸铝(镀有玻璃珠) die-cast aluminum (glass bead blasted)
连接方式 Connection	3-极丝扣接头 2.5平方毫米,最大夹紧扭矩为0.8牛·厘米 3-pole screw connector 2.5mm <sup>2</sup> , clamping torque 0.8Nm max.
外壳连接方式 Connection casing	塑料,满足保险商实验室标准UL94V-0,黑色 plastic according to UL94V-0, black
安装 Mounting	35毫米DIN导轨的夹子,符合欧盟标准EN60715 clip for 35mm DIN rail, EN60715
装配位置 Fitting position	垂直方向 vertical airflow (air outlet up)
运行和储藏温度 Operating/Storage temperature	-40至+70摄氏度 -50至+90摄氏度 -40 to +70°C -50 to +90°C
防护种类/防护等级 Protection type/Protection Level	IP20级/接地 IP20/I (earthed)
认证 Approvals 只是JRF031 JRF031 only	CE
轴流风扇,滚珠轴承 Axial fan, ball bearing	气流参见表格 airflow see table 在25摄氏度(77华氏度)的条件下,使用寿命50,000小时 service life 50,000h at 25°C (77°F)
连接方式(轴流风扇) Connection (axial fan)	2-极丝扣接头 2.5平方毫米 (L2/N2) 2-pole screw connector 2.5mm <sup>2</sup> (L2/N2)

注意!加热器只能与风扇同时运转,否则,有过热的危险!

Note: Heater may only be operated together with fan. Danger of overheating!

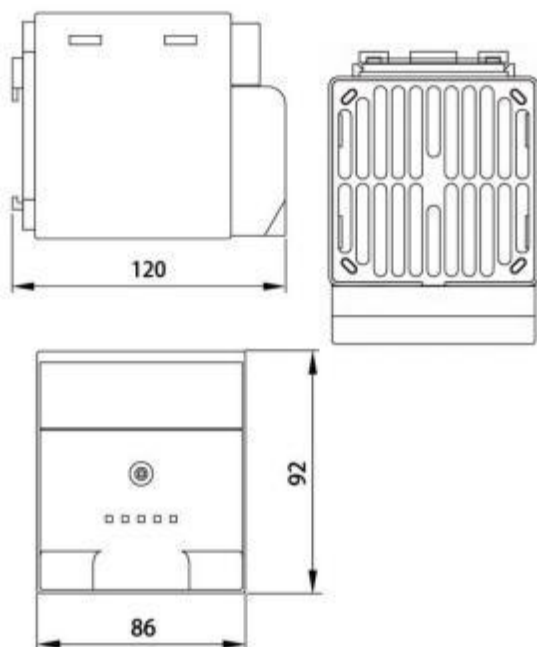


型号 Model	运行电压 Operating voltage	加热量* Heating capacity	外形尺寸 Outer size	安装 Installation
JR031-150	230VAC, 50/60Hz	150W	80X112X25mm	卡式安装 Clip fixing

型号 Model 230(VAC) 伏交流电, 50/60(Hz) 赫兹	加热量 Heating capacity	最小气流, 自由流动 Airflow min, free flow	外形尺寸 Outer size	安装 Installation
JRF031-150	150W	35m <sup>3</sup> /h	80X112X53mm	卡式安装 Clip fixing
JRF031-200	200W	108m <sup>3</sup> /h	119X151X53mm	卡式安装 Clip fixing
JRF031-300	300W	108m <sup>3</sup> /h	119X151X53mm	卡式安装 Clip fixing
JRF031-400	400W	108m <sup>3</sup> /h	119X151X53mm	卡式安装 Clip fixing
JRF031-600	600W	160m <sup>3</sup> /h	119X151X68mm	卡式安装 Clip fixing

● 小型半导体风扇加热器

JR028  
150-800W

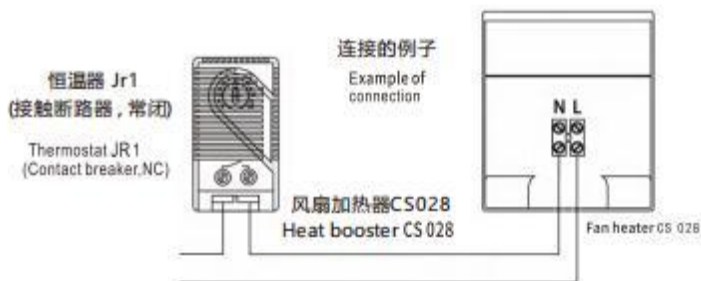
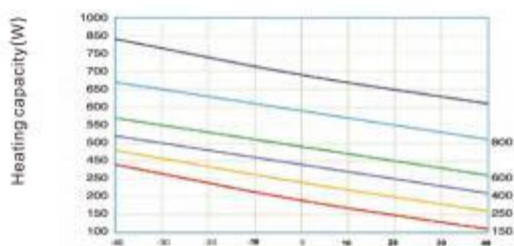


■ 技术参数 TECHNICAL DATA

加热元件 Heating element	正温度系数(PTC)加热元件 PTC
冲击电流 Rush current	230伏交流电(230VAC)的情况下, 最大电流12安培, 120伏交流电(120VAC)的情况下, 最大电流6安培 Max.12 A with 230VAC working Max.6A with 120VAC working
表面温度 Surface temperature	外壳的最高温度50摄氏度; 上部保护格栅的温度为 100摄氏度, 环境温度为20摄氏度(68华氏度) Surface temperature: Max.50°C for casing, 100°C for top protective grille, at 20°C(68°F) for ambient temperature
轴流风扇, 滚珠轴承 Axial fan, ball bearing	气流13.8立方米/小时, 自由流动40摄氏度条件下, 使用寿命为40,000小时 13.8m³/h for airflow, service life 4000h at 40°C
连接方式 Connection	2根丝夹具(最大2.5平方毫米), 夹紧螺丝最大扭矩为0.8牛·米 internal connection terminal(Max.2.5mm²), clamping torque 0.8Nm max.
外壳 Connection casing	塑料, 符合保险商实验室标准UL94 V-0, 黑色 plastic according to UL94 V-0, black
安装 Mounting	35毫米DIN导轨的夹子, 符合欧盟标准 EN6071 5或 螺丝紧固(直径为5.3毫米) clip for 35mm DIN rail, EN 6071 5 or screw fastening(OD is 5.3mm)
装配位置 Fitting position	垂直方向 vertical airflow (air outlet up)
重量 Weight	大约0.3千克 approx.0.3kg
运行和储藏温度 Operating/Storage temperature	-40至+70摄氏度 -40~+70°C -50至+90摄氏度 -50 to +90°C
防护种类/防护等级 Protection type/Protection class	IP20级/II(双绝缘) IP20/II(earthed)

注意! 加热器只能与风扇同时运转, 否则, 有过热的危险!  
Note: Heater may only be operated together with fan. Danger of overheating!

加热量/环境温度曲线图CS028 温度(摄氏度) Temperature (°C)  
Heating capacity/Ambient temperature diagram CS 028/CSL028



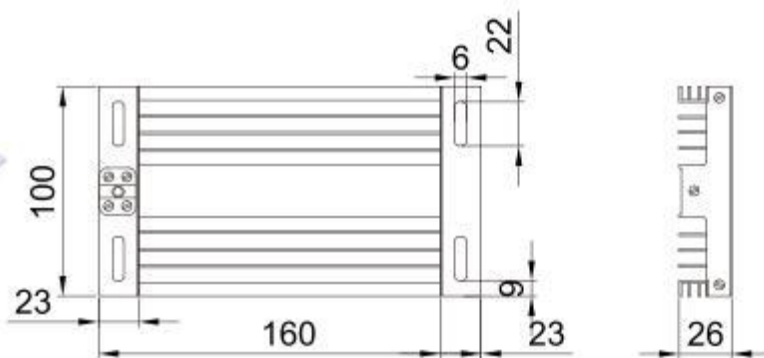
型号 Art. No.	运行电压 Operating voltage	加热量* Heating capacity	外形尺寸 Outer size	安装 Installation
JR 028, 150W	230伏交流电, 50/60赫兹 230VAC, 50/60Hz	150W	120X86X92mm	卡式安装 Clip fixing
JR 028, 250W	230伏交流电, 50/60赫兹 230VAC, 50/60Hz	250W	120X86X92mm	卡式安装 Clip fixing
JR 028, 400W	230伏交流电, 50/60赫兹 230VAC, 50/60Hz	400W	120X86X92mm	卡式安装 Clip fixing
JR 028, 600W	230伏交流电, 50/60赫兹 230VAC, 50/60Hz	600W	120X86X92mm	卡式安装 Clip fixing
JR 028, 800W	230伏交流电, 50/60赫兹 230VAC, 50/60Hz	800W	120X86X92mm	卡式安装 Clip fixing

在环境温度为20摄氏度(68华氏度)的条件下 At 20°C (68°F) ambient temperature

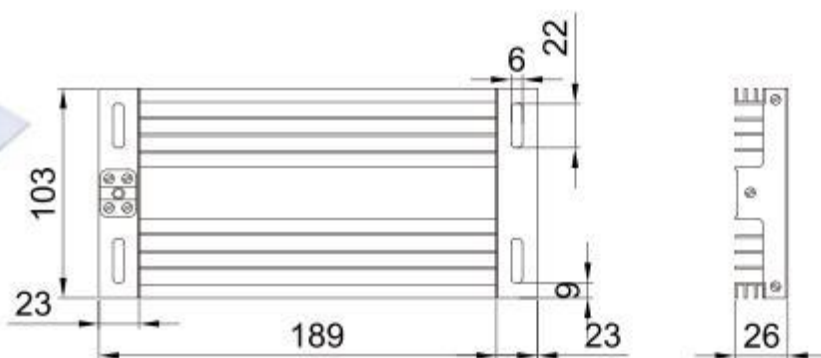
● 风扇加热器

DJR/JRD  
50W-500W

D



DJR50~250 50-250W



JRD300~500 300-500W

其他型号可定制

Other models can be customized

型号 Model	抗电强度 接线端与表面 Electrical strength (terminal and surface)	连续使用寿命 Service life	绝缘电阻 Insulated resistance	额定功率 Rated power	工作电压 Work voltage	外形尺寸 Size
DJR-50	>2000VAC, 1min	>50000h	>100MΩ	50W	AC380V 220V DC220V 110V	L160XW100XH26mm
DJR-100	>2000VAC, 1min	>50000h	>100MΩ	100W	AC380V 220V DC220V 110V	L160XW100XH26mm
DJR-150	>2000VAC, 1min	>50000h	>100MΩ	150W	AC380V 220V DC220V 110V	L160XW100XH26mm
DJR-200	>2000VAC, 1min	>50000h	>100MΩ	200W	AC380V 220V DC220V 110V	L160XW100XH26mm
DJR-250	>2000VAC, 1min	>50000h	>100MΩ	250W	AC380V 220V DC220V 110V	L160XW100XH26mm
JRD-300	>2000VAC, 1min	>50000h	>100MΩ	300W	AC380V 220V DC220V 110V	L189XW103XH26mm
JRD-500	>2000VAC, 1min	>50000h	>100MΩ	500W	AC380V 220V DC220V 110V	L189XW103XH26mm



## 过滤网组

江苏稳不落配线器材有限公司  
Wenbuluo Electrical Co.,Ltd



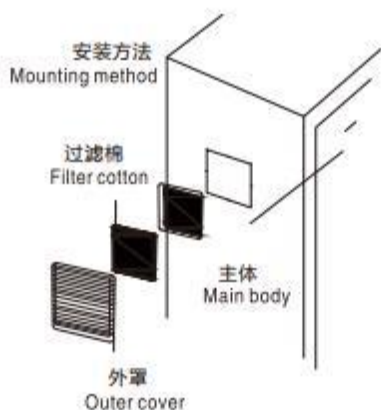
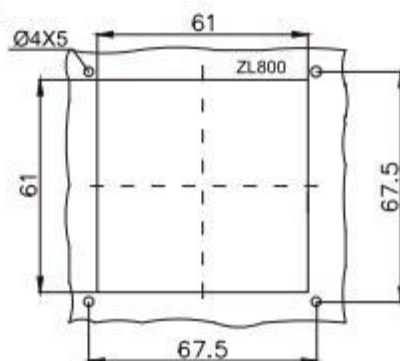
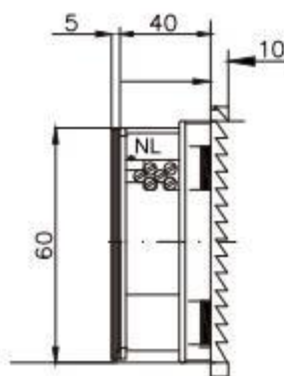
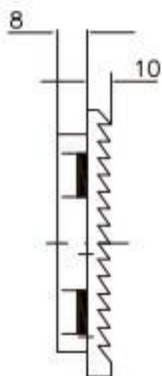
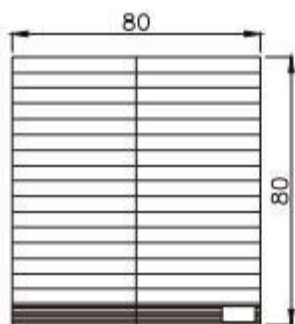
风扇及过滤器  
Fan and filter  
ZL800



风扇及过滤器  
Fan and filter  
ZL800.230

出口过滤器  
Outlet filter  
ZL800.200

安装剖面  
Mounting profile  
ZL800



风机及过滤器型号Z/Fan and filter Model ZL	ZL800.230	ZL800.115	ZL800.024
设计工作电压(V/Hz)Designe dopeating voltage	230,50/60	115,50/60	
空气流量, 自由吹风Airflow, free wind	27m <sup>3</sup> /h	配6025 HBL2使用时 Applicable to 6025HBL2	
过滤棉型号和尺寸Filter cotton types/dimensaions	ZL800.000	56x56x3mm	
除尘率Dust removal rate	86%		
轴流风扇Axial fan	自启动屏蔽磁极电动机 Automatically started shaded pole motor	直流电机 DC motor	
设计电流(A)Electric current designed(A)	0.06/0.05	0.12/0.10	
功率(W)POWER(W)	6/5		
噪音水平dB(A)Noise levelB(A)	28/30		
使用温度The use of temperature	-30℃—+70℃		
储存温度Storage temperature	-40℃—+80℃		
颜色Colour	RAL7035		
防护等级P code	用标准过滤垫为 IP44 IP 44 while using standeard filter mat		
出口过滤器型号Z/Outlet filter Model ZL	800.200	适用于6025 HBL2使用 Applicable to 6025HBL2	

配套风扇Supporting fan

订购其他颜色时, 请洽询。如需特殊电压也可根据洽询提供, 本公司保留技术改动的权利。  
Please consult with us when the colour ordered is RAL7032 or others. Special voltage may be provided if necessary according to the inquiry.

● 风扇及过滤网组

ZL801



风扇及过滤器  
Fan and filter

ZL801



出口过滤器  
Outlet filter

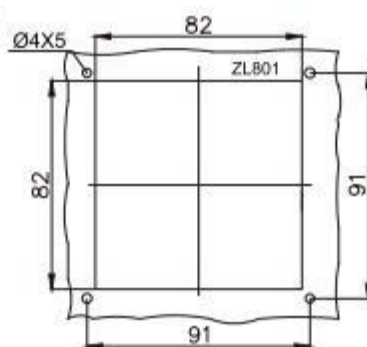
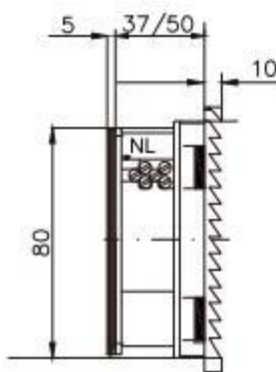
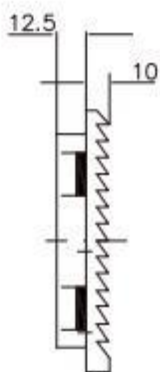
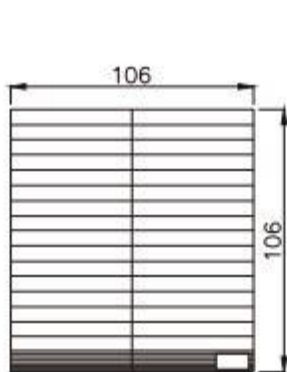
ZL801.200

风扇及过滤器  
Fan and filter

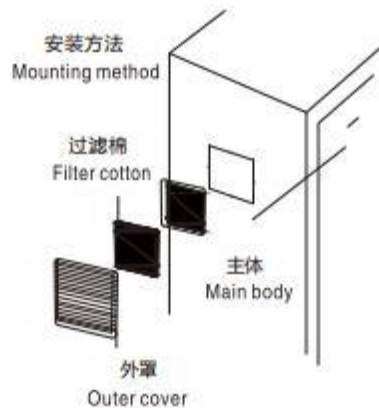
ZL801.230

安装剖面  
Mounting profile

ZL801



风机及过滤器型号 ZL Fan and filter Model ZL	ZL801.230	ZL801.115	ZL801.024
设计工作电压 V/HZ Designed operating voltage	230,50/60	115,50/60	24
空气流量, 自由吹风 Airflow, free wind	67m <sup>3</sup> /h	Applicable to 8025HBL2 配8025HBL2使用时	
过滤器型号和尺寸 Filter cotton types/dimensions	ZL801.000	77x77x3mm	
除尘率 Dust removal rate	86%		
轴流风扇 Axial fan	自启动屏蔽磁极电动机	直流电机	
设计电流(A) Electric current designed(A)	0.08/0.07	0.16/0.14	0.27
功率(W) POWER(W)	13/11	6.4	
噪音水平 dB(A) Noise level dB(A)	36/38		
使用温度 The use of temperature	-30°C—+70°C		
储存温度 Storage temperature	-40°C—+80°C		
颜色 Colour	RAL7035		
防护等级 IP code	IP 44 while using standeard filter mat 用标准过滤垫为 IP44		
出口过滤器型号 ZL Outlet filter Mode I ZL	801.200		
配置风扇 Supporting fan	Applicable to 8025HBL2 适用于8025HBL2使用		



订购其他颜色时, 请洽询。如需特殊电压也可根据洽询提供, 本公司保留技术改动的权利。  
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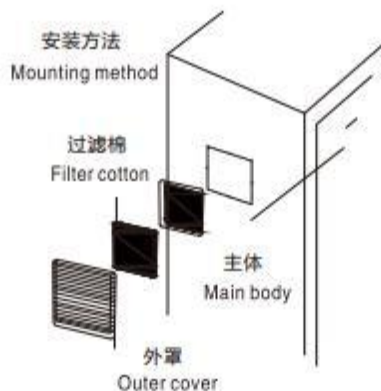
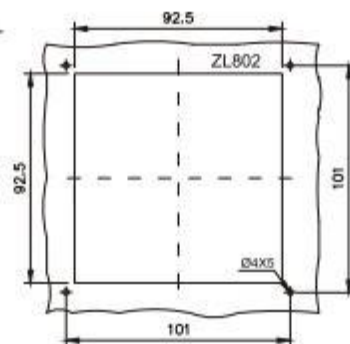
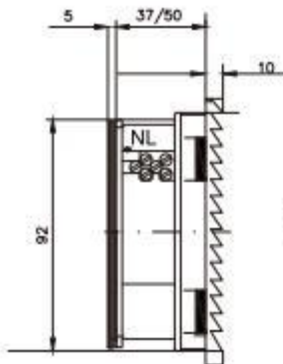
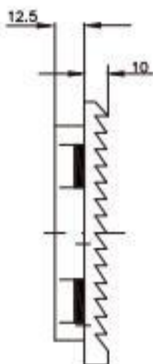
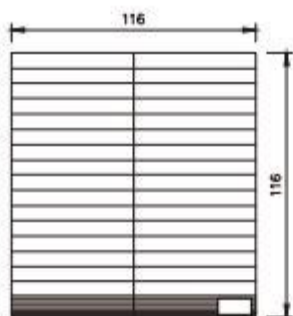
风扇及过滤器  
Fan and filter  
ZL802



出口过滤器  
Outlet filter  
ZL802.200

风扇及过滤器  
Fan and filter  
ZL802.230

安装剖面  
Mounting profile  
ZL802



风机及过滤器型号 ZL fan and filter Model ZL	ZL802.230	ZL802.115	ZL802.024
设计工作电压(V/Hz) Designed operating voltage	230,50/60	115,50/60	24
空气流量, 自由吹风 Airflow, freewind	102m <sup>3</sup> /h	Applicable to 9225HBL2	配9225HBL2使用时
过滤棉型号和尺寸 Filter cotton types/dimensions	ZL802.000	87x87x3mm	
除尘率 Dust removal rate	86%		
轴流风扇 Axial fan	自动屏蔽磁极电动机		直流电机
设计电流(A) Electric current designed(A)	0.07/0.06	0.12/0.15	0.38
功率(W) POWER(W)	16/17		9.1
噪音水平 dB(A) Noise level dB(A)	29/30		
使用温度 The use of temperature	-30°C—+70°C		
储存温度 Storage temperature	-40°C—+80°C		
颜色 Colour	RAL7035		
防护等级 P code	IP 44 while using standard filter mat	用标准过滤垫为 IP44	
出口过滤器型号 ZL Outlet filter Model ZL	802.200		
配套风扇 Supporting fan	Applicable to: 9225HBL2 适用于9225HBL2使用		

订购其他颜色时, 请洽询。如需特殊电压也可根据洽询提供, 本公司保留技术改动的权利。  
Please consult with us when the colour ordered is RAL7032 or others. Special voltage may be provided if necessary according to the inquiry.

● 风扇及过滤网组

ZL803



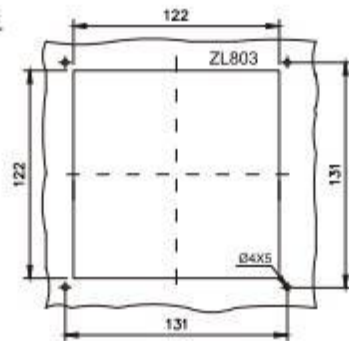
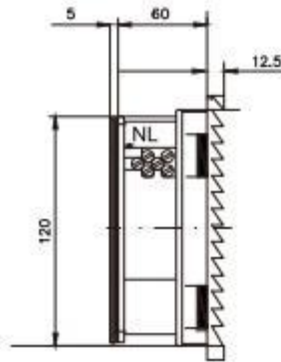
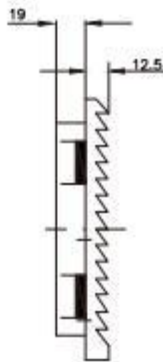
风扇及过滤器  
Fan and filter  
ZL803



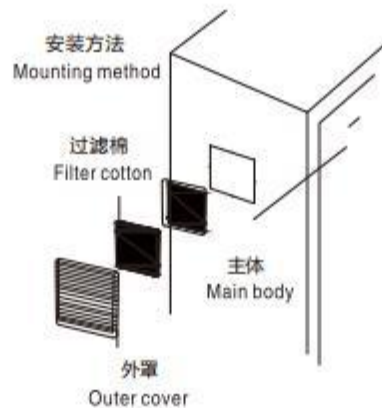
出口过滤器  
Outlet filter  
ZL803.200

风扇及过滤器  
Fan and filter  
ZL803.230

安装剖面  
Mounting profile  
ZL803



风机及过滤器型号 ZL Fan and filter Model ZL	ZL803.230	ZL803.115	ZL803.024
设计工作电压(V/Hz) Designed operating voltage	230,50/60	115,50/60	24
空气流量, 自由吹风 Airflow, free wind	140m <sup>3</sup> /h. Applicable to 12038HBL2 配12038HBL2使用时		
过滤棉型号和尺寸 Filter cotton types/dimensions	ZL803.000	116x116x10mm	
除尘率 Dust removal rate	86%		
轴流风扇 Axial fan	自启动屏蔽磁极电动机 Automatically started shaded pole motor		
设计电流(A) Electric current designed(A)	0.14/0.13	0.28/0.26	0.22
功率(W) POWER(W)	21/25	5.3	
噪音水平 dB(A) Noise level dB(A)	47/49		
使用温度 The use of temperature	-30°C—+70°C		
储存温度 Storage temperature	-40°C—+80°C		
颜色 Colour	RAL7035		
防护等级 IP code	IP 44 while using standeard filter mat 用标准过滤垫为 IP44		
出口过滤器型号 ZL Outlet filter Model ZL	803.200		
配套风扇 Supporting fan	Applicable to 12038HBL2 适用于12038HBL2使用		



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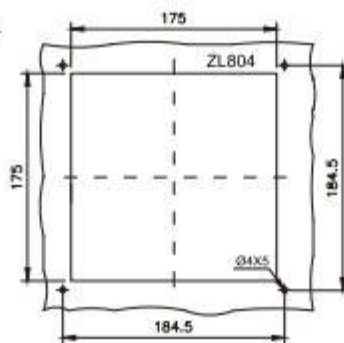
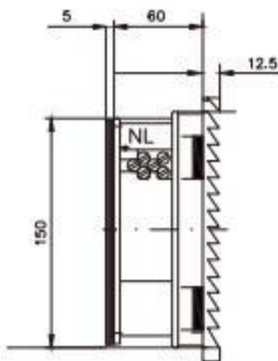
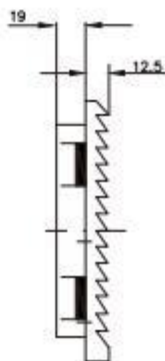
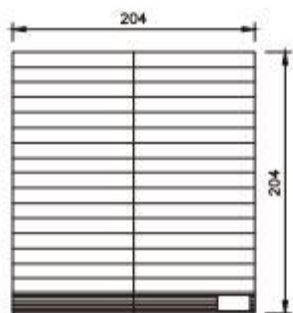
风扇及过滤器  
Fan and filter  
ZL804



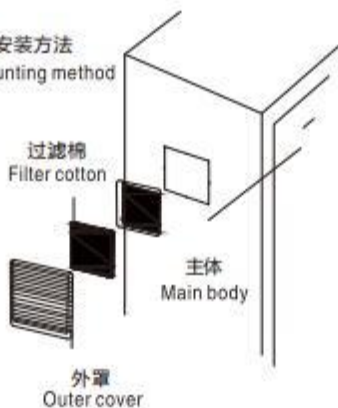
风扇及过滤器  
Fan and filter  
ZL804.230

出口过滤器  
Outlet filter  
ZL804.200

安装剖面  
Mounting profile  
ZL804



安装方法  
Mounting method



风机及过滤器型号ZL Fan and filter Model ZL	ZL804.230	ZL804.115	ZL804.024
设计工作电压(V/Hz) Designed operating voltage	230,50/60	115,50/60	24
空气流量, 自由吹风 Airflow, free wind	300m <sup>3</sup> /h	Applicable to 17250HBL2	配17250HBL2使用时
过滤棉型号和尺寸 Filter cotton types/dimensions	ZL804.000	170x170x10mm	
除尘率 Dust removal rate	86%		
轴流风扇 Axial fan	自启动屏蔽磁极电动机		直流电机 DC motor
设计电流(A) Electric current designed(A)	0.25	0.5	0.5
功率(W) POWER(W)	38		12
噪音水平dB(A) Noise level dB(A)	55		
使用温度 The use of temperature	-30°C—+70°C		
储存温度 Storage temperature	-40°C—+80°C		
颜色 Colour	RAL7035		
防护等级 Code	IP 44 while using standeard filter mat	用标准过滤垫为 IP44	
出口过滤器型号 ZL Outlet filter Model ZL	804.200		
配套风扇 Supporting fan	Applicable to 17250HBL2	适用于17250H BL2使用	

订购其他颜色时, 请洽询。如需特殊电压也可根据洽询提供, 本公司保留技术改动的权利。  
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● 风扇及过滤网组

ZL805



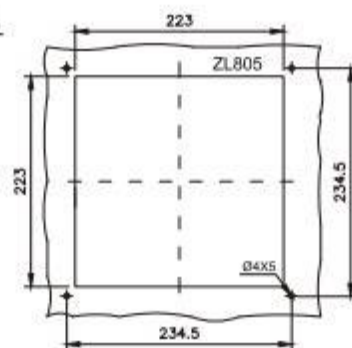
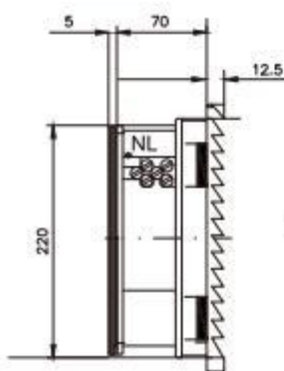
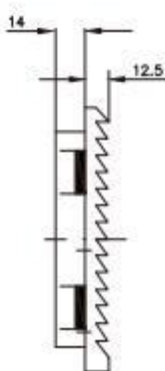
风扇及过滤器  
Fan and filter  
ZL805



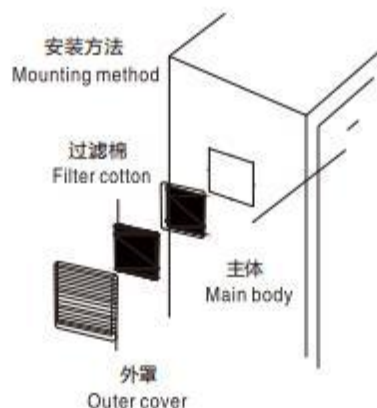
风扇及过滤器  
Fan and filter  
ZL805.230

安装剖面  
Mounting profile  
ZL805

出口过滤器  
Outlet filter  
ZL805.200



风机及过滤器型号ZL Fan and filter Model ZL	ZL805.230	ZL805.115	ZL805.024
设计工作电压(V/Hz) Designe do perating voltage	230,50/60	115,50/60	24
空气流量, 自由吹风 Airflow, free wind	660m <sup>3</sup> /h	Applicable to 20060HBL2 配20060HBL2使用时	
过滤器型号和尺寸 Filter cotton types/dimenaions	ZL805.000	220x220x10mm	
除尘率 Dust removal rate	86%		
轴流风扇 Axial fan	自起励屏蔽磁板电动机	直流电机	
设计电流(A) Electric current designed(A)	0.35	0.70	1.50
功率(W) POWER(W)	65	36	
噪音水平dB(A) Noise level dB(A)	60		
使用温度 The use of temperature	-30°C—+70°C		
储存温度 Storage temperature	-40°C—+80°C		
颜色 Colour	RAL7035		
防护等级 IP code	IP 44 while using standeard filter mat 用标准过滤器为 IP44		
出口过滤器型号 ZL Outlet filter Model ZL	805.200		
配套风扇 Supporting fan	Applicable to 20060HBL2	适用于20060H BL2使用	



订购其他颜色时, 请洽询, 如需特殊电压也可根据洽询提供, 本公司保留技术改动的权利。  
Please consult with us when the colour ordered is RAL7032 or others. Special voltage may be provided if necessary according to the inquiry.



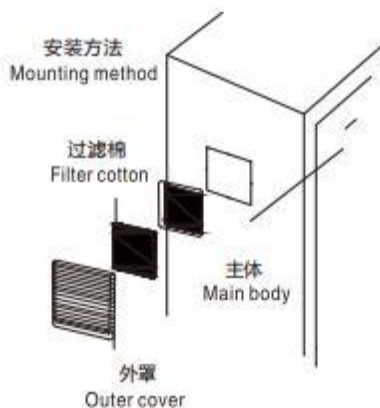
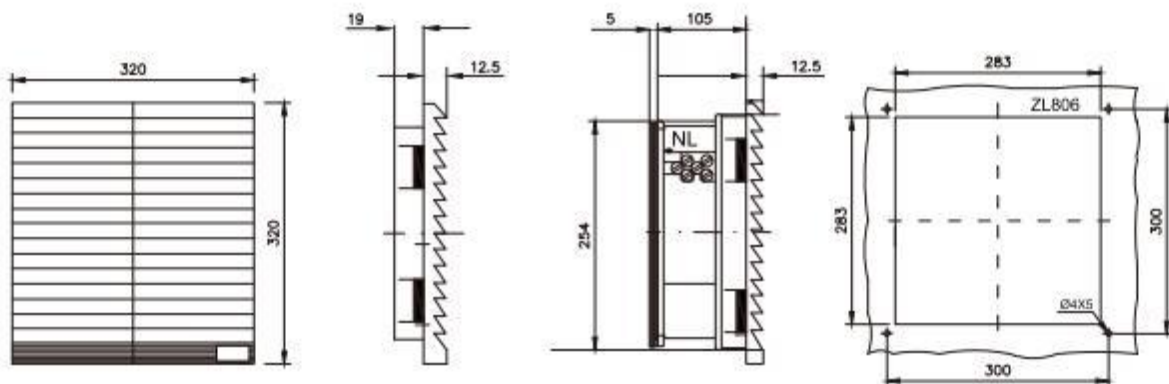
风扇及过滤器  
Fan and filter  
ZL806

出口过滤器  
Outlet filter  
ZL806.200



风扇及过滤器  
Fan and filter  
ZL806

安装剖面  
Mounting profile  
ZL806



风机及过滤器型号 ZL Fan and filter Model ZL	ZL806.230	ZL806.115	ZL806.024
设计工作电压(V/Hz) Designed operating voltage	230,50/60	115,50/60	24
空气流量, 自由吹风 Airflow, free wind	1320m <sup>3</sup> /h	Applicable to 25489HBL2	配25489HBL2使用时
过滤器型号和尺寸 Filter cotton types/dimensions	ZL806.000	280x280x10mm	
除尘率 Dust removal rate	86%		
轴流风扇 Axial fan	自启动屏蔽极电动机 Automatically started shaded pole motor		直流电机 DC motor
设计电流(A) Electric current designed(A)	0.45/0.60	1.0/1.1	2.40
功率(W) POWER(W)	70		57.6
噪音水平dB(A) Noise leveldB(A)	68		
使用温度 The use of temperature	-30°C—+70°C		
储存温度 Storage temperature	-40°C—+80°C		
颜色 Colour	RAL7035		
防护等级 IP code	IP 44 while using standeard filter mat	用标准过滤垫为 IP44	
出口过滤器型号 ZL Outlet filter Model ZL	806.200		
配用风扇 Supporting fan	Applicable to 25489HBL2	适用于25489H BL2使用	

订购其他颜色时, 请洽询。如需特殊电压也可根据洽询提供, 本公司保留技术改动的权利。  
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● 风扇及过滤网组

ZL9807A

D



ZL9807A.200



ZL9807A.230-A



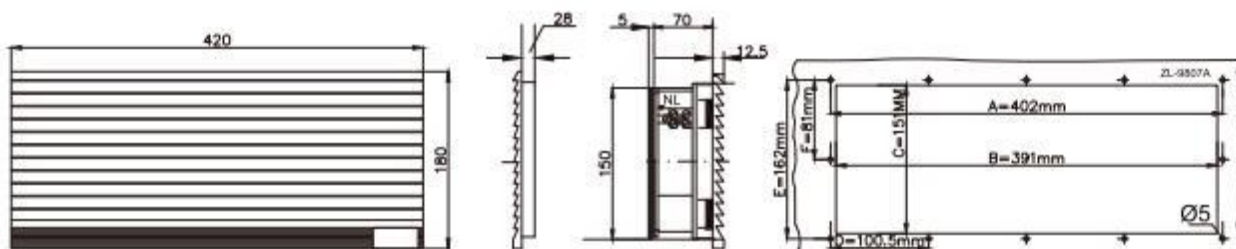
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风扇及过滤器  
Fan and filter  
ZL9807A

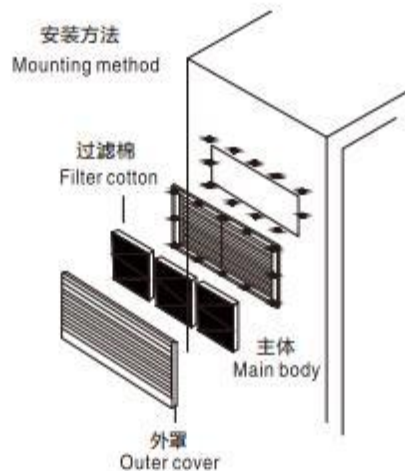
出口过滤器  
Outlet filter  
ZL9807A.200

风扇及过滤器  
Fan and filter  
ZL9807A.230

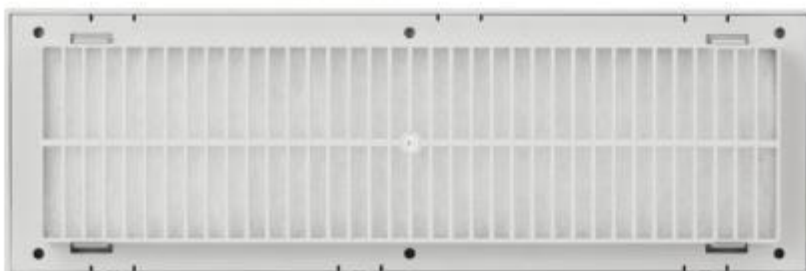
安装剖面  
Mounting profile  
ZL9807



风机及过滤器型号 ZL Fan and filter Model ZL	ZL9807A.230	ZL9807A.115	ZL9807.024
设计工作电压(V/Hz) Designed operating voltage	230,50/60	115,50/60	24
空气流量, 自由吹风(Airflow, free wind)	600m <sup>3</sup> /h	配1 7250HBL2, 1 2038HBL2使用时	
过滤器型号和尺寸 Filter cotton types/dimensions	ZL9807A.000 (147x128x10mm)X3		
除尘率 Dust removal rate	86%		
轴流风扇 Axial fan	自启动屏蔽磁极电动机 Automatically started shaded pole motor		直流电机 DC motor
设计电流(A) Electric current designed(A)	0.25	0.5	0.5
功率(W) POWER(W)	35		12
噪音水平 dB(A) Noise level dB(A)	58		
使用温度 The use of temperature	-30°C—+70°C		
储存温度 Storage temperature	-40°C—+80°C		
颜色 Colour	RAL7035		
防护等级 IP code	IP 44 while using standeard filter mat 用标准过滤器为 IP44		
出口过滤器型号 ZL Outlet filter Model ZL	9807A.200		
配套风扇 Supporting fan	适用于 17250HBL2, 12038HBL2 使用		



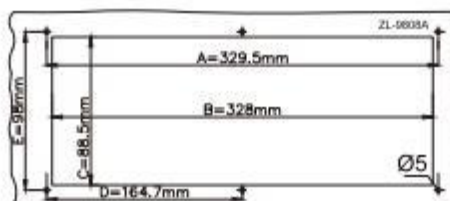
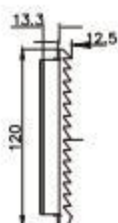
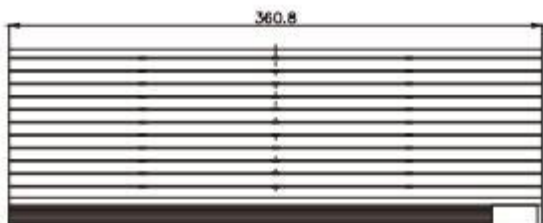
订购其他颜色时, 请洽询。如需特殊电压也可根据洽询提供, 本公司保留技术改动的权利。  
Please consult with us when the colour ordered is RAL7032 or others. Special voltage may be provided if necessary according to the inquiry.



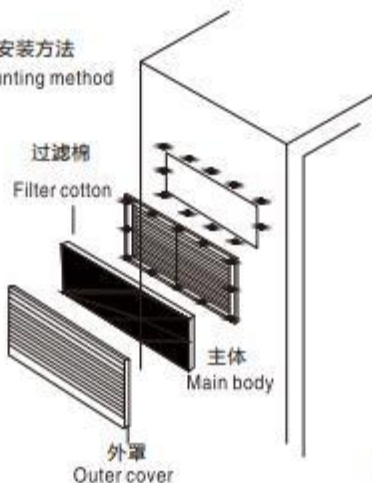
风扇及过滤器  
Fan and filter  
ZL9808A

出口过滤器  
Outlet filter  
ZL9808A

安装剖面  
Mounting profile  
ZL9808A



安装方法  
Mounting method



风机及过滤器型号ZL Fan and filter Model ZL	ZL9808A	ZL9808A	ZL9808A
设计工作电压(V/Hz) Designed operating voltage			
空气流量, 自由吹风 Airflow, free wind	m <sup>3</sup> /h		
过滤棉型号和尺寸 Filter cotton types/dimensions	ZL9808A	324x85x10mm	
除尘率 Dust removal rate	86%		
轴流风扇 Axial fan	自启动屏蔽磁极电动机 Automatically started shaded pole motor		直流电机 DC motor
设计电流(A) Electric current designed(A)			
功率(W) POWER(W)			
噪音水平dB(A) Noise levelB(A)			
使用温度 The use of temperature	-40°C—+100°C		
储存温度 Storage temperature	-45°C—+120°C		
颜色 Colour	RAL7035		
防护等级 P code	IP 44 while using standeard filter mat 用标准过滤垫为 IP44		
出口过滤器型号 ZL Outlet filter Model ZL	9808A.200	Applicable to	适用于 使用

配套风扇 Supporting fan

订购其他颜色时, 请洽询。如需特殊电压也可根据洽询提供, 本公司保留技术改动的权利。

Please consult with us when the colour ordered is RAL7032 or others. Special voltage may be provided if necessary according to the inquiry.

● 风扇及过滤网组

ZL9808B

D



风扇及过滤器  
Fan and filter

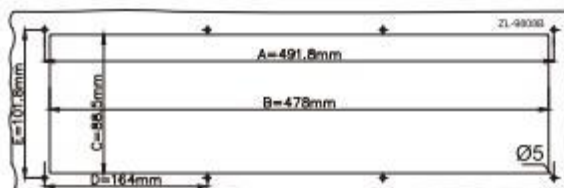
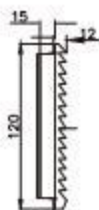
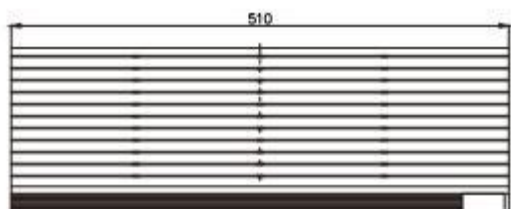
ZL9808B

出口过滤器  
Outlet filter

ZL9808B

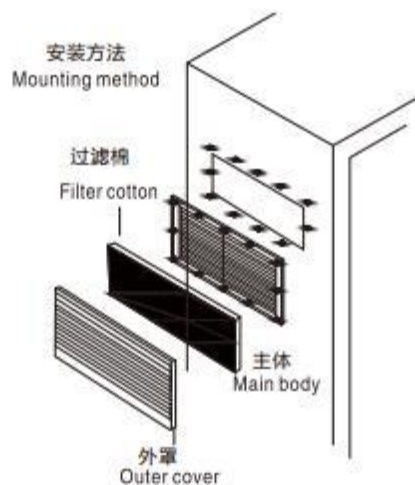
安装剖面  
Mounting profile

ZL9808B



风机及过滤器型号 ZL Fan and filter Model ZL	ZL9808B	ZL9808B	ZL9808B
设计工作电压(V/HZ) Designed operating voltage			
空气流量, 自由吹风 Airflow, free wind	m <sup>3</sup> /h		
过滤棉型号和尺寸 Filter cotton types/dimensions	ZL9808B	(232x83x10mm)X2	
除尘率 Dust removal rate	86%		
轴流风扇 Axial fan	自启动屏蔽磁极电动机 Automatically started shaded pole motor		直流电机 DC motor
设计电流(A) Electric current designed(A)			
功率(W) POWER(W)			
噪音水平 dB(A) Noise level dB(A)			
使用温度 The use of temperature	-40°C—+100°C		
储存温度 Storage temperature	-45°C—+120°C		
颜色 Colour	RAL7035		
防护等级 P code	IP 44 while using standeard filter mat	用标准过滤垫为 IP44	
出口过滤器型号 ZL Outlet filter Model ZL	9808B.200		
配置风扇 Supporting fan	Applicable to	适用于	使用

订购其他颜色时, 请洽询。如需特殊电压也可根据洽询提供, 本公司保留技术改动的权利。  
Please consult with us when the colour ordered is RAL7032 or others. Special voltage may be provided if necessary according to the inquiry.



户外防水过滤网组

FY9801A/FY9801B

FY9801C/FY9801D



FY9801A



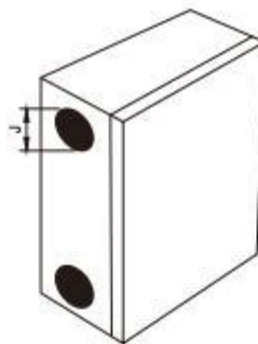
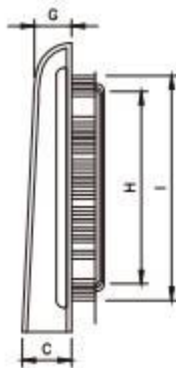
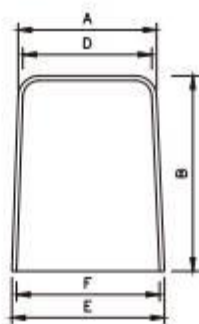
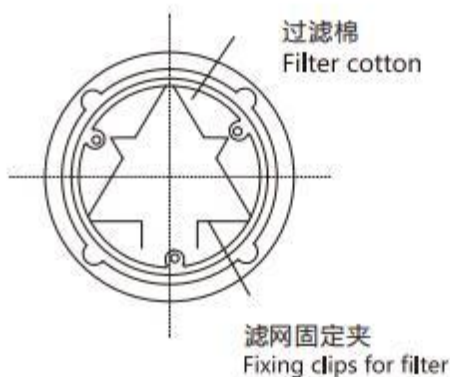
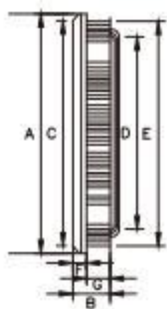
FY9801B



FY9801C



FY9801D



品名 Name	型号 Model	有效风量 Effective volume of wind	除尘率 Dust removal rate	工作环境温度 Operating ambient temperature	颜色 Colour	防护等级 IP code
过滤棉 Filtercotton	FY9801A	67.2m <sup>3</sup> /h	80%	-30°C—+70°C	RAL7035	IP44
带防雨罩 Conveyor cover	FY9801B			-30°C—+70°C	RAL7035	IP55
风扇及过滤器 Fan and filter	FY9801C	67.2m <sup>3</sup> /h	80%	-30°C—+70°C	RAL7035	IP44
风扇及过滤 Fan and filter	FY9801D	67.2m <sup>3</sup> /h	80%	-30°C—+70°C	RAL7035	IP55

尺寸说明表 List of Dimensions

型号 Model	Size(mm)									
	A	B	C	D	E	F	G	H	I	J
FY9801A	105	22.5	101	88.8	97	6	10			90
FY9801B	110	130	50	100	120	110	30	88.8	97	90

如需特殊电压也可根据洽询提供, 本公司保留技术改的权利。 Necessary according to the inquiry.

● 户外防水过滤网组

FY9802A/FY9802B

FY9802C/FY9802D



FY9802A



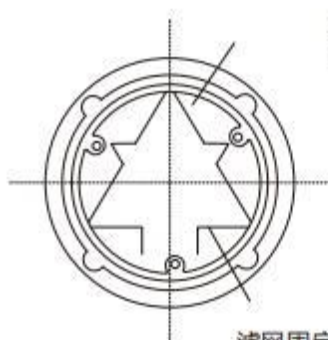
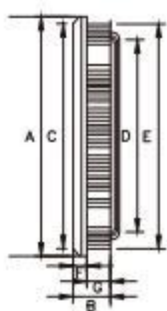
FY9802B



FY9802C

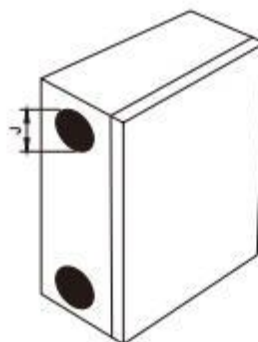
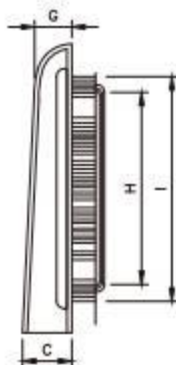


FY9802D



过滤棉  
Filter cotton

滤网固定夹  
Fixing clips for filter



品名 Name	型号 Model	有效风量 Effective volume of wind	除尘率 Dust removal rate	工作环境温度 Operating ambient temperature	颜色 Colour	防护等级 IP code
过滤棉 Filter cotton	FY9802A	102m <sup>3</sup> /h	80%	-30°C—+70°C	RAL7035	IP44
带防雨罩 Conveyor cover	FY9802B			-30°C—+70°C	RAL7035	IP55
风扇及过滤器 Fan and filter	FY9802C	102m <sup>3</sup> /h	80%	-30°C—+70°C	RAL7035	IP44
风扇及过滤 Fan and filter	FY9802D	102m <sup>3</sup> /h	80%	-30°C—+70°C	RAL7035	IP55

尺寸说明表 List of Dimensions

型号Model	A	B	C	D	E	F	G	H	I	J
FY9802A	120	23	101	100	109	6	10			102
FY9802B	125	140	50	115	135	125	30	100.8	109	102

如需特殊电压也可根据洽询提供, 本公司保留技术改的权利。 Necessary according to the inquiry.

户外防水过滤网组

FY9803A/FY9803B

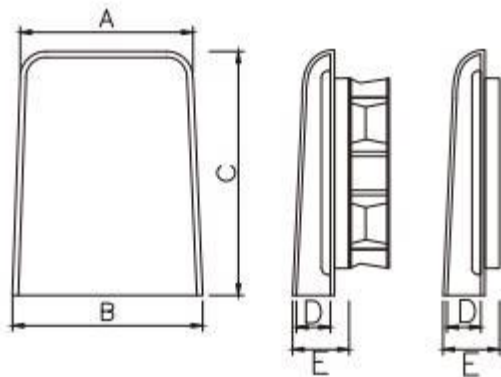
FY9804A/FY9804B



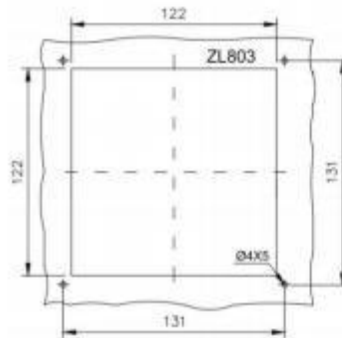
FY9803A/4A



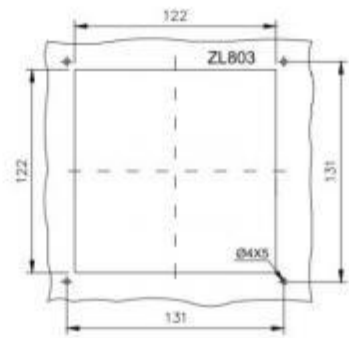
FY9803B/4B



9803开孔尺寸/孔距



9804开孔尺寸/孔距



品名 Name	型号 Model	有效风量 Effective volume of wind	除尘率 Dust removal rate	工作环境温度 Operating ambient temperature	颜色 Colour	防护等级 IP code
Fan and filter	FY9803A	140/160m <sup>3</sup> /h	80%	-30°C—+70°C	RAL7035	IP55
Conveyor cover	FY9803B			-30°C—+70°C	RAL7035	IP55
Fan and filter	FY9804A	300/360m <sup>3</sup> /h	80%	-30°C—+70°C	RAL7035	IP55
Conveyor cover	FY9804B			-30°C—+70°C	RAL7035	IP55

尺寸说明表 List of Dimensions

Size(mm)

型号 Model	A	B	C	D	E
FY9803A	160	178	177	60	120
FY9803B	160	178	177	60	76
FY9804A	228	240	255	70	148
FY9804B	228	240	255	70	85

如需特殊电压也可根据洽询提供。本公司保留技术改的权利。  
Necessary according to the inquiry.

漏斗型过滤网组

LD205

D



风扇及过滤器  
Fan and filter  
LD205

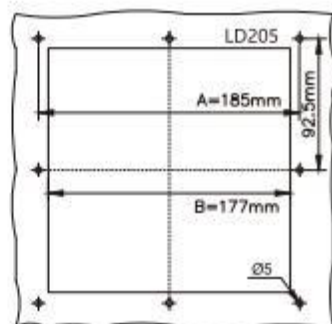
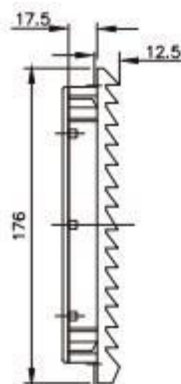
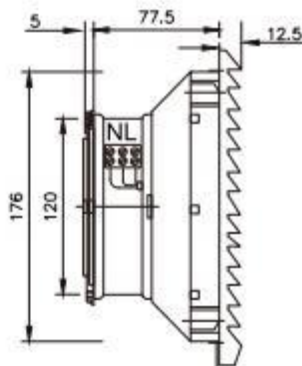
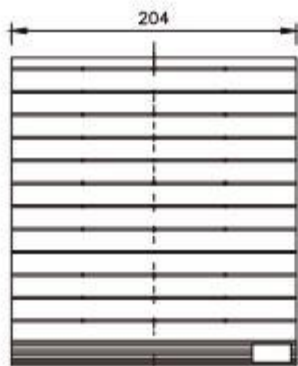


出口过滤器  
Outlet filter  
LD205.230

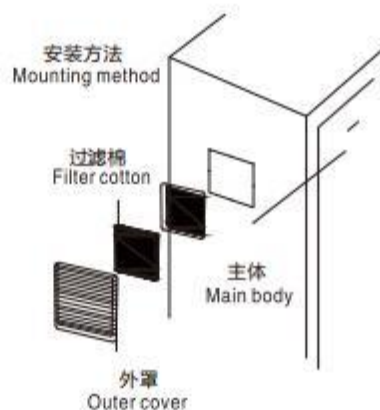


风扇及过滤器  
Fan and filter  
LD205.200

安装剖面  
Mounting profile  
LD205



风机及过滤器型号ZL Fan and filter Model ZL	LD205.230	LD205.115	LD205.024
设计工作电压(V/Hz) Designed operating voltage	230,50/60	115,50/60	24
空气流量, 自由吹风 Airflow, free wind	140m <sup>3</sup> /h Applicable to 12308HBL2 (配12308HBL2使用时)		
过滤棉型号和尺寸 Filter cotton types/dimensions	LD205	170x170x10mm	
除尘率 Dust removal rate	86%		
轴流风扇 Axial fan	自启动 屏蔽磁极电动机 Automatically started shaded pole motor		直流电机 DC motor
设计电流(A) Electric current designed (A)	0.14/0.13	0.28/0.26	0.22
功率(W) POWER (W)	21/25		5.3
噪音水平 dB(A) Noise level dB(A)	47/49		
使用温度 The use of temperature	-30°C—+70°C		
储存温度 Storage temperature	-40°C—+80°C		
颜色 Colour	RAL7035		
防护等级 IP code	IP 44 while using standeard filter mat 用标准过滤垫为 IP44		
出口过滤器型号 ZL Outlet filter Model ZL	LD205		
配套风扇 Supporting fan	适用于(Applicable to) 12308HBL2使用		



订购其他颜色时, 请洽询。如需特殊电压也可根据洽询提供, 本公司保留技术改动的权利。  
Please consult with us when the colour ordered is RAL7032 or others. Special voltage may be provided if necessary according to the inquiry.



风扇及过滤器  
Fan and filter  
LD256

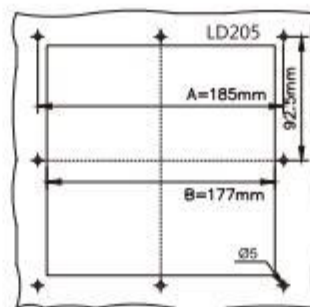
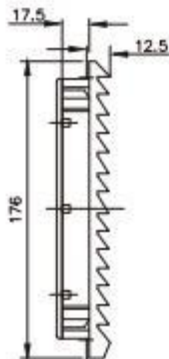
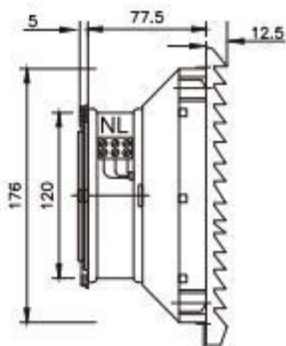
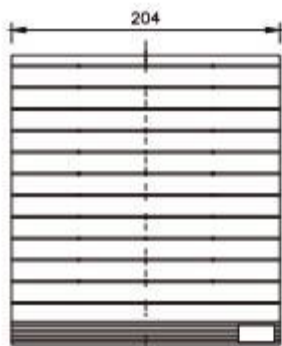


出口过滤器  
Outlet filter  
LD256.230



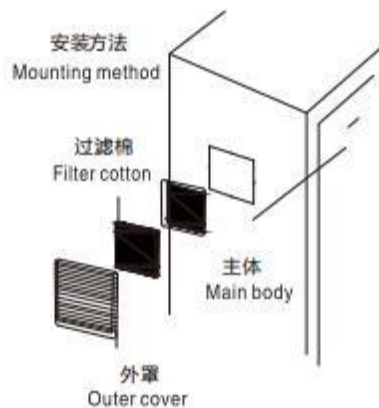
风扇及过滤器  
Fan and filter  
LD256.200

安装剖面  
Mounting profile  
LD256



风机及过滤器型号ZL Fan and filter Model ZL	LD256.230	LD256.115	LD256.024
设计工作电压(V/Hz) Designed operating voltage	230,50/60	115,50/60	24
空气流量, 自由吹风(Airflow, free wind)	300m <sup>3</sup> /h	Applicable to 17250HBL2 (配17250HBL2使用时)	
过滤器棉型号和尺寸 Filter cotton types/dimensions	LD256.000	220x220x10mm	
除尘率 Dust removal rate	86%		
轴流风扇 Axial fan	自启动屏蔽磁极电动机 Automatically started shaded pole motor		直流电机 DC motor
设计电流(A) Electric current designed(A)	0.25	0.5	0.5
功率(W) POWER(W)	38		12
噪音水平dB(A) Noise level dB(A)	55		
使用温度 The use of temperature	-30°C—+70°C		
储存温度 Storage temperature	-40°C—+80°C		
颜色 Colour	RAL7035		
防护等级 IP code	IP 44 while using standeard filter mat 用标准过滤垫为 IP44		
出口过滤器型号ZL Outlet filter Model ZL	CT256		
配套风扇 Supporting fan	Applicable to 17250HBL2 (配17250HBL2使用时)		

订购其他颜色时, 请洽询。如需特殊电压也可根据洽询提供, 本公司保留技术改动的权利。  
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漏斗型过滤网组

LD320



风扇及过滤器  
Fan and filter

LD320



出口过滤器  
Outlet filter

LD320.230

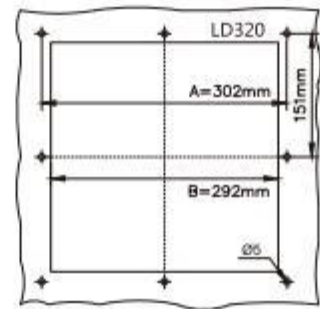
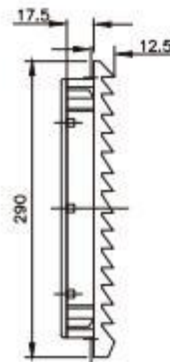
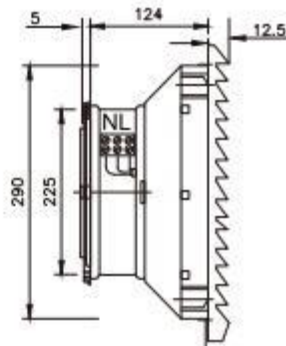
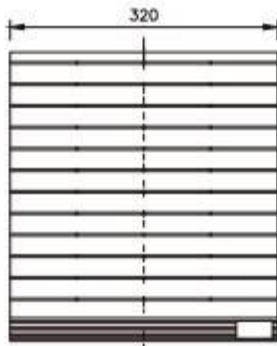


风扇及过滤器  
Fan and filter

LD320.200

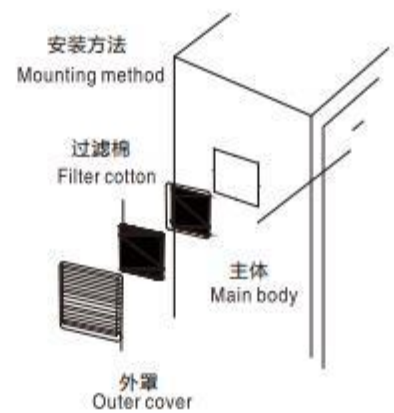
安装剖面  
Mounting profile

LD320



风机及过滤器型号ZL Fan and filter Model ZL	LD320.230	LD320.115
设计工作电压(V/Hz) Designed operating voltage	230,50/60	115,50/60
空气流量, 自由吹风 Airflow, free wind	600m <sup>3</sup> /h Applicable to 22580HBL2 (配22580HBL2使用时)	
过滤器型号和尺寸 Filter cotton types/dimensions	LD320.000	280x280x10mm
除尘率 Dust removal rate	86%	
轴流风扇 Axial fan	自启动屏蔽极电机 Automatically started shaded pole motor	直流电机 DC motor
设计电流(A) Electric current designed(A)	0.35	0.5
功率(W) POWER(W)	80	12
噪音水平 dB(A) Noise level dB(A)	65	
使用温度 The use of temperature	-30°C—+70°C	
储存温度 Storage temperature	-40°C—+80°C	
颜色 Colour	RAL7035	
防护等级 IP code	IP 44 while using standard filter mat 用标准过滤器为 IP44	
出口过滤器型号 ZL Outlet filter Model ZL	LD320	
配套风扇 Supporting fan	Applicable to 22580HBL2 (配22580HBL2使用时)	

订购其他颜色时, 请洽询。如需特殊电压也可根据洽询提供, 本公司保留技术改动的权利。  
Please consult with us when the colour ordered is RAL7032 or others. Special voltage may be provided if necessary according to the inquiry.



漏斗型过滤网组

LD-320D



风扇及过滤器  
Fan and filter  
LD320D

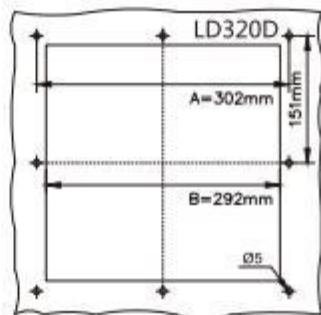
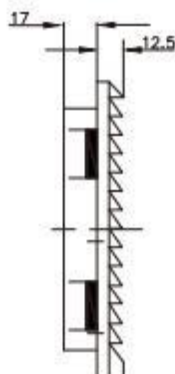
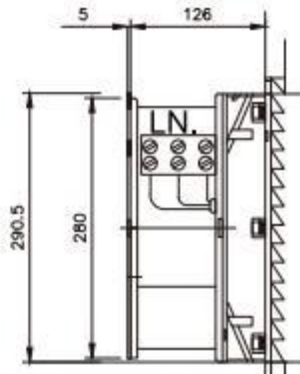
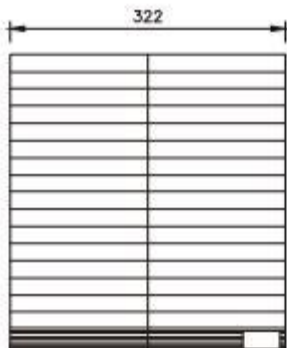


出口过滤器  
Outlet filter  
LD320D.230



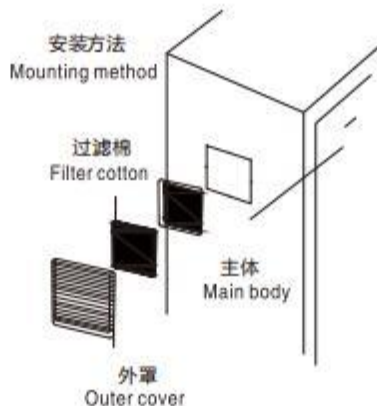
风扇及过滤器  
Fan and filter  
LD320D.200

安装剖面  
Mounting profile  
LD320D



风机及过滤器型号ZL Fan and filter Model ZL	LD320D.230	LD320D.115
设计工作电压(V/HZ) Designed operating voltage	230,50/60	115,50/60
空气流量, 自由吹风 Airflow, free wind	830m <sup>3</sup> /h	Applicable to 28080HBL2 (配17250HBL2使用时)
过滤器棉型号和尺寸 Filter cotton types/dimensions	LD320D.000	280x280x10mm
除尘率 Dust removal rate	86%	
轴流风扇 Axial fan	自启动屏蔽磁极电动机 Automatically started shaded pole motor	直流电机 DC motor
设计电流(A) Electric current designed(A)	0.68	0.5
功率(W) POWER(W)	160	12
噪音水平dB(A) Noise level dB(A)	65	
使用温度 The use of temperature	-30°C—+70°C	
储存温度 Storage temperature	-40°C—+80°C	
颜色 Colour	RAL7035	
防护等级 IP code	IP 44 while using standeard filter mat	用标准过滤器为 IP44
出口过滤器型号 ZL Outlet filter Model ZL	LD320	
	Applicable to 28080HBL2	(配17250HBL2使用时)

配用风扇 Supporting fan  
订购其他颜色时, 请洽询。如需特殊电压也可根据洽询提供, 本公司保留技术改动的权利。  
Please consult with us when the colour ordered is RAL7032 or others. Special voltage may be provided if necessary according to the inquiry.



## 机柜内温度控制的计算

需要什么?

1. 机柜的外形尺寸(高度、宽度、深度)(单位: 米)
2. 根据计算公司确定机柜的情况(如单个机柜还是成排机柜),机柜的表面积安培(单位: 平方米)。
3. 机柜的材料(金属或塑料),根据表格查出传热系数k[瓦/平方米开尔文]
4. 希望的机柜温度 $T_i$ [摄氏度]和期望的环境温度的温差 $T_u$  [摄氏度](如昼夜, 冬夏, 气候带等等,  $T$ [K表示开尔文])
5. 在运行期间所有安装元器件的杂散功率(自暖型)(如变压器、继电器和半导体) $P_v$  [瓦]。

参数的计算和选择: 机柜表面积—传热系数—温差

参数的计算和选择: 机柜表面积—传热系数—温差

1. 按照外形尺寸计算机柜的表面积
2. 选择安装类型如下所示

- 单个机柜, 可以自由地安装在所有表面上
- 单个机柜, 安装在墙上
- 第一个或最后一个机柜成排自由立式安装
- 第一个或最后一个机柜成排安装在墙上
- 中间的机柜成排自由立式安装
- 中间的机柜成排安装在墙上
- 中间的机柜成排安装在墙上, 带有外盖的顶

3. 机柜的材料及其传热系数k[瓦/平方米开尔文]

薄钢板, 涂漆的k~5.5 瓦/平方米 .开尔文  
薄钢板, 不锈钢k~4.5 瓦/平方米 .开尔文  
铝材k~12 瓦/平方米 .开尔文  
铝材, 两层壁的 k~4.5 瓦/平方米K  
多元酯k~3.5 瓦/平方米 .开尔文

4. 温差TK 表示开尔文]

$T = T_i - T_u$

即室外温度和室内温度的温差

要求的加热性能的计算公式(加热器)

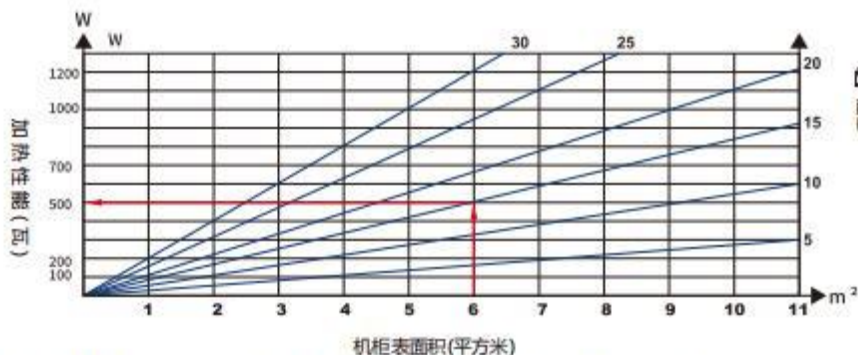
要求的加热性能PH[瓦]=机柜的表面积安培[平方米 ]x传热系数k [瓦/平方米.开尔文]x 温差T [开尔文]

例如: 瓦=5.712平方米x55瓦/平方米 .开尔文x15开尔文=471.24瓦

结果: 要求加热性能为500瓦的加热器, 如果机柜装在户外, 取两倍计算出的加热性能值

或者根据图表选择变求的加热性能:

### 加热性能图



柜子表面积的计算公式安培(平方米)

(H 表示高度W 表示宽度D 表示深度)

$$A = 1.8 \times H(W + D) + 1.4 \times W \times D$$

$$A = 1.4 \times W \times (H + D) + 1.8 \times D \times H$$

$$A = 1.4 \times D \times (H + W) + 1.8 \times W \times H$$

$$A = 1.4 \times H \times (W + D) + 1.4 \times W \times D$$

$$A = 1.8 \times W \times H + 1.4 \times W \times D + D \times H$$

$$A = 1.4 \times W \times (H + D) + D \times H$$

$$A = 1.4 \times W \times H + 0.7 \times W \times D + D \times H$$

例如: 在所有表面上自由安装的机柜, 2000毫米高/800毫米宽/600毫米深,  $A = 1.8 \times 2000 \times (0.8 + 0.6) + 1.4 \times 0.8 \times 0.6 = 5.712$  平方米

5. 如果是连续的杂散功率 $P_v$ [瓦](自暖型),这必须从计算的加热性能中扣除。

从图表中选择要求的冷却性能

或者根据公式计算要求的冷却性能(过滤风扇):

要求的风量V[立方米/小时]  $\frac{\text{安装的杂散功率 } P_v[\text{瓦}]}{\text{温差 } \Delta T[\text{开尔文}]} \times \text{空气常数 } f^*$  [3.3立方米.开尔文/瓦.小时

例如:  $V = \frac{600 \text{瓦}}{15 \text{开尔文}} \times 3.3 \text{立方米.开尔文/瓦.小时} = 132 \text{立方米/小时}$

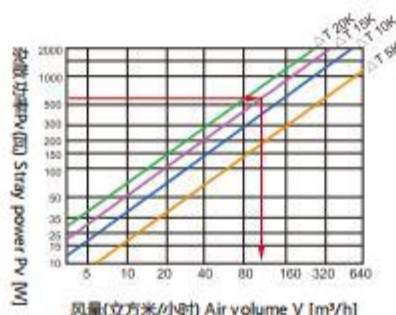
$f(0-100) = 3.1$  立方米.开尔文/瓦.小时,

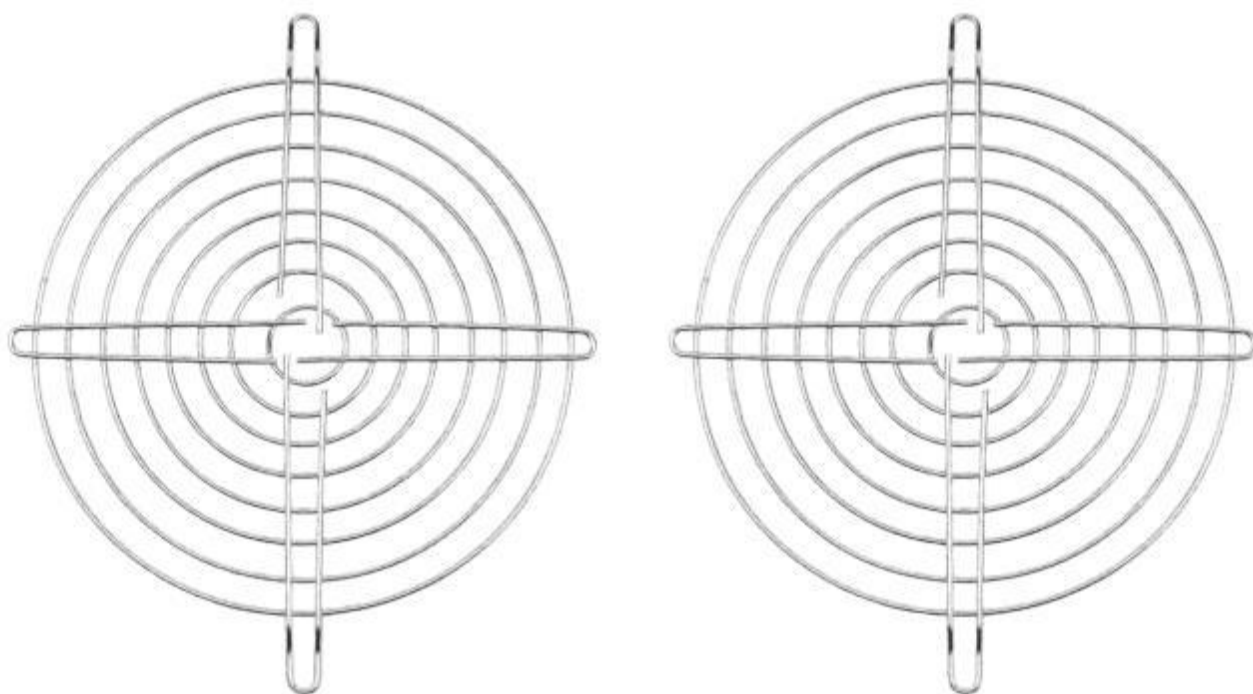
$f(100-250) = 3.2$  立方米.开尔文/瓦.小时,

$f(250-500) = 3.3$  立方米.开尔文/瓦.小时,

$f(500-750) = 3.4$  立方米.开尔文/瓦.小时,

$f(750-1000) = 3.5$  立方米.开尔文/瓦.小时





# 铁网

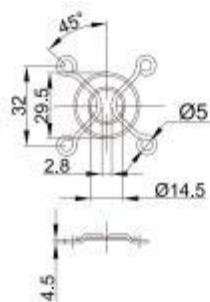
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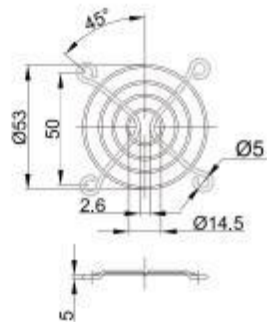
金属防护网罩

TGL

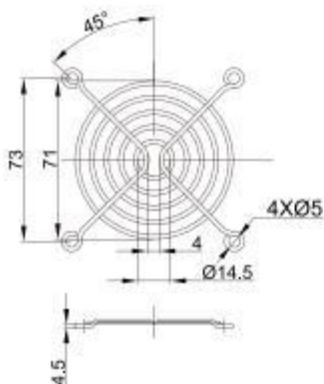
TGL40



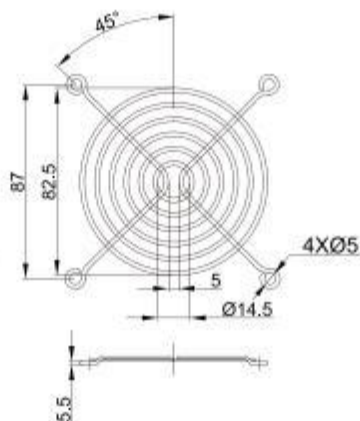
TGL60



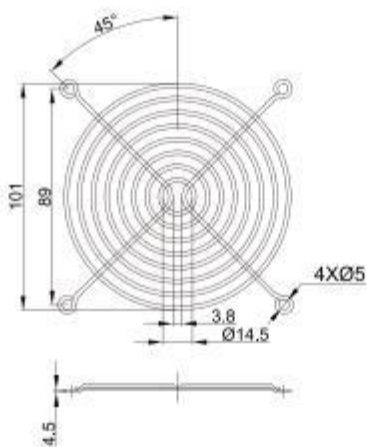
TGL80



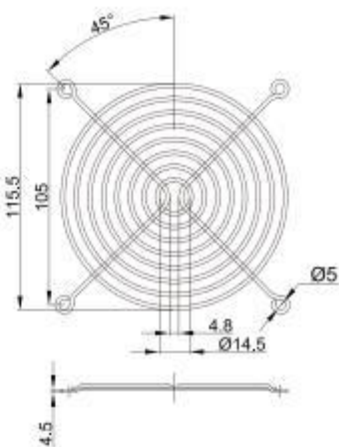
TGL90



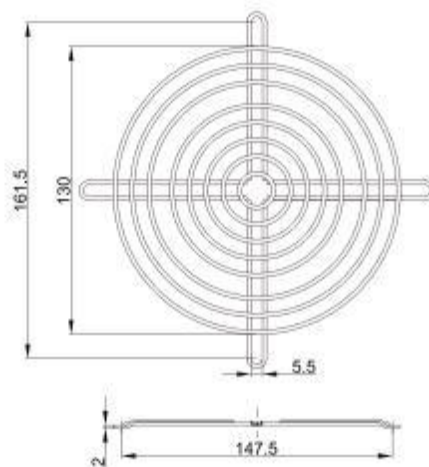
TGL110



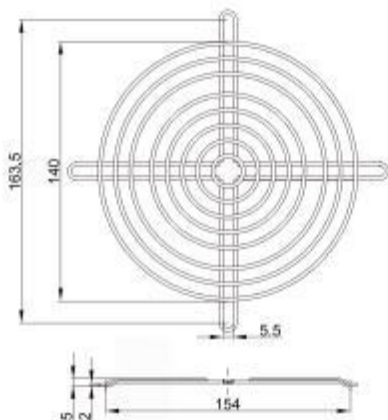
TGL120



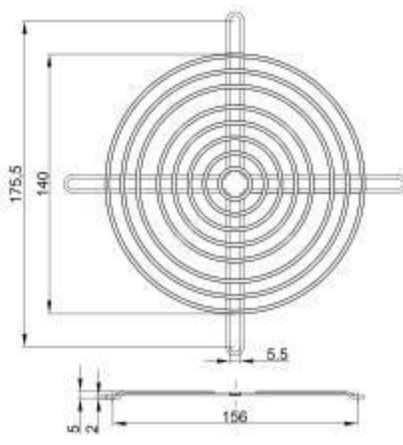
TGL135



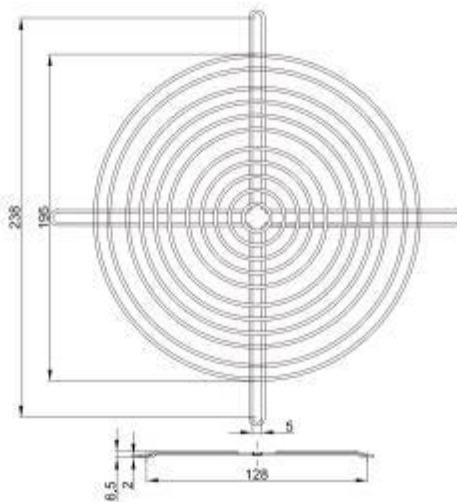
TGL145



TGL150



TGL200



D

9



## 过滤防尘网罩/塑料网罩

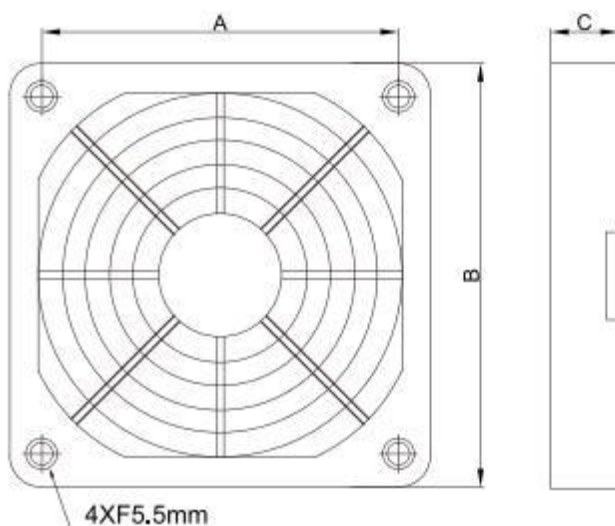
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塑料网罩

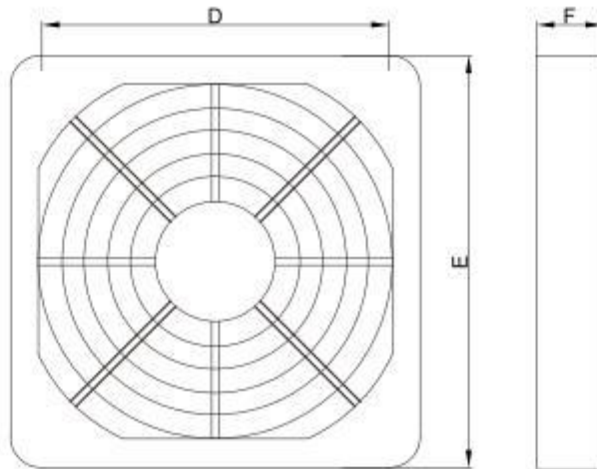
DP

D



塑料网罩 Plastic Fan Guard

型号 Model	通风网材质 Body material	使用范围 Range of application	防护等级 IP Code	A	B	C	适用风扇尺寸 Applicable for fans
DP-40	阻燃ABS树脂 Flameresistant ABS resin	室内 Interior -10~+55°C	IP 40	40mm	40mm	3mm	40*40mm
DP-50	阻燃ABS树脂 Flameresistant ABS resin	室内 Interior -10~+55°C	IP 40	50mm	50mm	3mm	50*50mm
DP-60	阻燃ABS树脂 Flameresistant ABS resin	室内 Interior -10~+55°C	IP 40	60mm	60mm	3mm	60*60mm
DP-70	阻燃ABS树脂 Flameresistant ABS resin	室内 Interior -10~+55°C	IP 40	70mm	70mm	3mm	70*70mm
DP 80	阻燃ABS树脂 Flameresistant ABS resin	室内 Interior -10~+55°C	IP 40	80mm	80mm	4.5mm	80*80mm
DP 92	阻燃ABS树脂 Flameresistant ABS resin	室内 Interior -10~+55°C	IP 40	92mm	92mm	4.5mm	92*92mm
DP-110	阻燃ABS树脂 Flameresistant ABS resin	室内 Interior -10~+55°C	IP 40	110mm	110mm	4.5mm	110*110mm
DP 120	阻燃ABS树脂 Flameresistant ABS resin	室内 Interior -10~+55°C	IP 40	120mm	120mm	4.5mm	120*120mm
DP 150	阻燃ABS树脂 Flameresistant ABS resin	室内 Interior -10~+55°C	IP 40	150mm	150mm	4.5mm	150*150mm
DP-172	阻燃ABS树脂 Flameresistant ABS resin	室内 Interior -10~+55°C	IP 40	172mm	172mm	4.5mm	172*172mm
DP-200	阻燃ABS树脂 Flameresistant ABS resin	室内 Interior -10~+55°C	IP 40	200mm	200mm	4.5mm	200*200mm



### Filter Finger Guard

型号 Model	通风网材质 Body material	滤网材料 Material of filter screen	使用范围 Range of application	除尘率 Removal	防护等级 IP Code	D	E	F	适用风扇尺寸 Applicable for fans
DT-40	阻燃ABS树脂 Flame resistant ABS resin	尼龙纤维合成树脂 Resin mixed with nylon fiber	室内 Interior -10~+55°C	89%	IP 40	40mm	40mm	7mm	40*40mm
DT-50	阻燃ABS树脂 Flame resistant ABS resin	尼龙纤维合成树脂 Resin mixed with nylon fiber	室内 Interior -10~+55°C	89%	IP 40	92mm	92mm	7mm	50*50mm
DT-60	阻燃ABS树脂 Flame resistant ABS resin	尼龙纤维合成树脂 Resin mixed with nylon fiber	室内 Interior -10~+55°C	89%	IP 40	120mm	120mm	7mm	60*60mm
DT-70	阻燃ABS树脂 Flame resistant ABS resin	尼龙纤维合成树脂 Resin mixed with nylon fiber	室内 Interior -10~+55°C	89%	IP 40	92mm	92mm	7mm	70*70mm
DT-80	阻燃ABS树脂 Flame resistant ABS resin	尼龙纤维合成树脂 Resin mixed with nylon fiber	室内 Interior -10~+55°C	89%	IP 40	120mm	120mm	9mm	80*80mm
DT-92	阻燃ABS树脂 Flame resistant ABS resin	尼龙纤维合成树脂 Resin mixed with nylon fiber	室内 Interior -10~+55°C	89%	IP 40	92mm	92mm	9mm	92*92mm
DT-110	阻燃ABS树脂 Flame resistant ABS resin	尼龙纤维合成树脂 Resin mixed with nylon fiber	室内 Interior -10~+55°C	89%	IP 40	120mm	120mm	10mm	110*110mm
DT-120	阻燃ABS树脂 Flame resistant ABS resin	尼龙纤维合成树脂 Resin mixed with nylon fiber	室内 Interior -10~+55°C	89%	IP 40	92mm	92mm	10mm	120*120mm
DT-150	阻燃ABS树脂 Flame resistant ABS resin	尼龙纤维合成树脂 Resin mixed with nylon fiber	室内 Interior -10~+55°C	89%	IP 40	120mm	120mm	7mm	150*150mm
DT-172	阻燃ABS树脂 Flame resistant ABS resin	尼龙纤维合成树脂 Resin mixed with nylon fiber	室内 Interior -10~+55°C	89%	IP 40	92mm	92mm	10mm	172*172mm
DT-200	阻燃ABS树脂 Flame resistant ABS resin	尼龙纤维合成树脂 Resin mixed with nylon fiber	室内 Interior -10~+55°C	89%	IP 40	120mm	120mm	10mm	200*200mm



线槽 | 智能照明灯 | 冷压端子 | 端子台 | 导轨 | 管件接头 | 地零排 | 绝缘母线夹 | 拖链 | 结束带  
 编织网管 | 热缩管 | Pu气管 | 扣件保护 | 标识类 | 航空插头 | 重载连接器 | 工具系列 | 风机系列

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