柜 内 温 度 控 制 专 家

Thermal Management Of Electrical Enclosures

SOTOP

源顶电气

SOTOP ELECTRIC

风扇系列 过滤器系列 加热器系列 温控器系列 湿控器系列

Fans、Filters、Heaters、Thermostats、Hygrostats

Q-FLEX

Avantintie 7, FI-21420 Lieto
+358 2 4894 500
info@q-flex.fi | q-flex.fi

Website for Mobile

CATALOGUE
VER.A06

电气元件的安全卫士
Guard for Electrical Components

Brief Introduction 企业简介

源顶电气经过多年的发展成为集研发、生产、销售为一体的专业制造商。专注于提供风扇、过滤器、加热器、温控器、湿控器等系列温度控制产品及整体解决方案。并为国内外众多知名客户提供量身定制的 OEM／ODM产品与服务。业务涉及塑机、纺机、风电、光伏、充电桩、电力、钢铁、地铁、通讯、医疗设备、机器人、石化等行业。销售遍布全国及欧美、中东、东南亚等国家和地区。

品质！服务！我们的追求……

After years of development, SOTOP has become a professional manufacturer integrating R&D, production and sales. We focus on providing fans, filters, heaters, thermostats, hygrostats and overall solutions. We provide customized OEM/ODM products and services for many well-known customers around the world. Our products are used in plastic machine, spinning machine, wind power, photovoltaic, charging pile, electric power, steel, subway, communications, medical equipment, robots, petrochemical and other industries. Our business covers China, Europe, America, Middle East, Southeast Asia and other countries and regions.

PERFECT QUALITY AND SERVICE, OUR PURSUIT!

荣誉殿堂 Approvals

取得多项专利

ISO 9001 cULus CCC CE RoHS TÜV IP55 IP54

SOTOP 源顶电气 SOTOP ELECTRIC

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SOTOP

AC风扇通用参数

General Specifications About AC Fan

外　　框：铝合金
扇　　叶：塑胶或金属
电压范围：额定电压之-10%~+6%
启动电压：额定电压的85%，20秒正常启动
绝缘电阻：用DC500V兆欧表测量，应大于100MΩ
耐压等级：AC2000V/2S漏电电流不大于1.0mA
电机结构：罩极式感应电机或电容式感应电机
电机保护：阻抗保护或热保护
预期寿命（L10 40℃）：大于60,000小时（滚珠轴承）
　　大于50,000小时（含油轴承）
存储温度（无结霜或凝露）：-30~70℃（塑胶扇叶）
　　-50~95℃（金属扇叶）

Frame:Aluminum alloy
Impeller: Plastic or metal alloy
Voltage range: -10%~+6% Rating Voltage
Starting voltage: 85% Rating Voltage for 20S
Insulation Resistance: Min 100MΩ by DC 500V Megger
Dielectric strength:AC2000V/2S/1.0mA
Motor Structure:
Shaded Pole Induction Motor or Capacitive Induction Motor
Motor Protection:Impedance Protection or Thermal Protection
Life Expectancy（L10 40℃）: over 60,000hours（Ball Bearing）
　　over 50,000hours（Sleeve Bearing）
Storage temperature range(non-condensing): -30~70℃ (plastic impeller)
　　-50~95℃ (Metal impeller)

产品订货号说明

Part Number Description

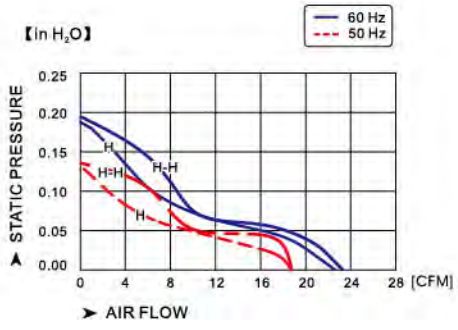
轴流风扇 Axial Fan

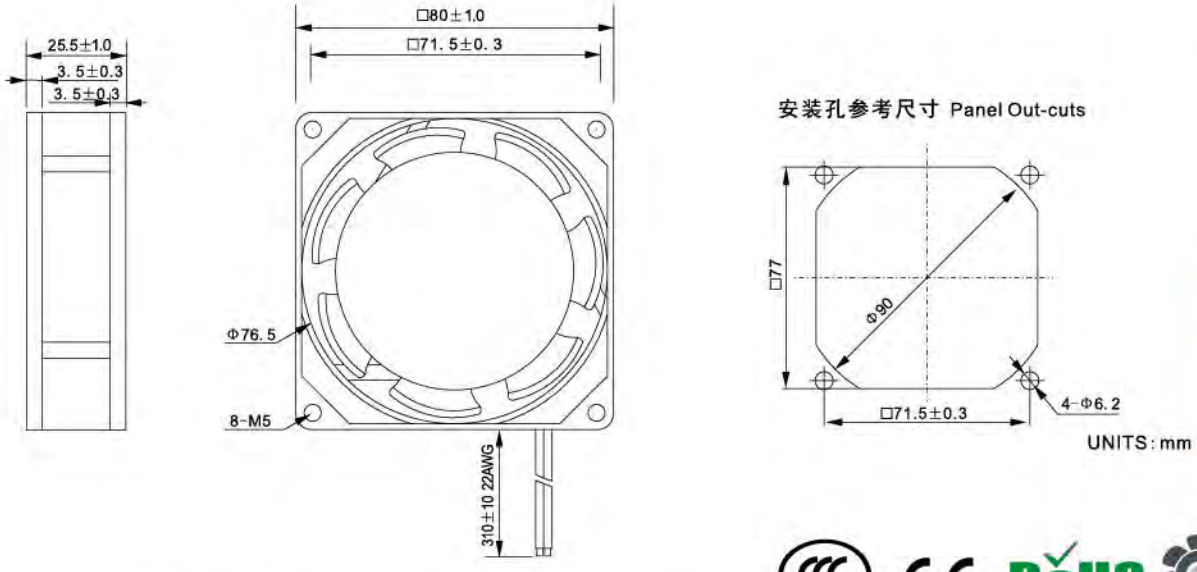
1：外框尺寸或扇叶直径Size of frame or impeller diameter
2：风量Airflow
　H-High　M-Middle　L-Low　LL-Extra low
3：马达类型Motor type
　A-AC motor　D-DC motor　E-EC motor
4：电压Voltage
　1-110V　2-230V　3-380V　4-400V
5：轴承类型Bearing type
　S-Sleeve　B-Ball
6：扇叶材质Material of impeller
　P-Plastic　M-Metal
7：接线方式Connector type
　L-拖线Lead wire　T-插片Terminal plug
　W-端子台Terminal block　B-接线盒Connecting box
8：附加功能Additional function
　A-无源报警Passive alarm
　R-RD(H)　RL-RD(L)　F-FG　P-PWM
　C- 正反转 Positive inversion
　H- 高风量 High Airflow

离心风扇 Centrifugal Fan

1：扇叶直径Impeller diameter
2：风量Airflow
　H-High　M-Middle　L-Low　LL-Extra low
3：马达类型Motor type
　A-AC motor　D-DC motor　E-EC motor
4：电压Voltage
　1-110V　2-230V　3-380V　4-400V
5：风扇类型Fan type
　F-前向Forward B-后向Backward
6：机械结构Mechanical design
　R-单进风无壳Fan, single inlet
　G：单进风有壳Blower, single inlet (with scroll housing)
　B：双进风无壳Fan, dual inlet
　D：双进风有壳Blower, dual inlet (with scroll housing)
7：扇叶代码Key for impeller
　A~Z
8：扇叶材质Material of impeller
　P-Plastic　M-Metal
9：出线方式Connector type
　L-拖线Line　W-端子台Terminal block
10：附加功能Additional function
　A-无源报警Passive alarm　F-带法兰With flange

SF8025 Series
80×80×25mm





Type 型号	P.N. 订货号	Bearing System 轴承类型	Nominal Voltage 电压 (VAC)	Freq 频率 (Hz)	Current 电流 (A)	Input Power 功率 (W)	Speed 转速 (RPM)	Air Flow 风量 (CFM)	Noise Level 噪音 (dB-A)	Operation Temperature 工作温度 ℃	Weight 重量 g
SF8025HA1	8025HA1*PL	Sleeve/Ball	115	50/60	0.12/0.10	14.0/11.0	2550/2900	18/22	29/33	-20/65	230
SF8025HA2	8025HA2*PL	Sleeve/Ball	230	50/60	0.07/0.06	14.0/12.5	2550/2900	18/22	29/33	-20/65	230
SF8025HA1	8025HA1BPT①-H	Ball	115	50/60	0.18/0.14	14.0/11.0	2600/3100	19/23	30/35	-20/70	240
SF8025HA2	8025HA2BPT①-H	Ball	230	50/60	0.09/0.07	14.0/11.0	2600/3100	19/23	30/35	-20/70	240
附件 护网 型号/订货号 SF808B 见附录						Attachment Finger Guard Type/P.N SF808B See appendix					

注释：*=S或B(S为含油轴承，B为滚珠轴承)
①代表L可选（L代表引线式连接，线长310mm，22AWG)

Note：*=S or B("S" for sleeve bearing ,"B" for ball bearing)
①represent L can be chosen(L for the lead wire type,the length 310mm,22AWG).

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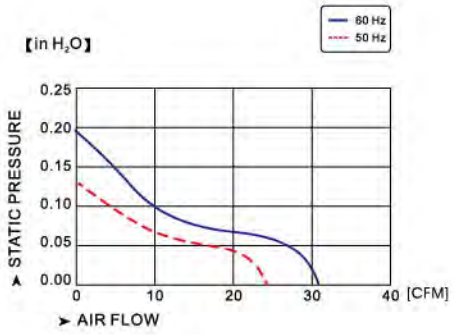
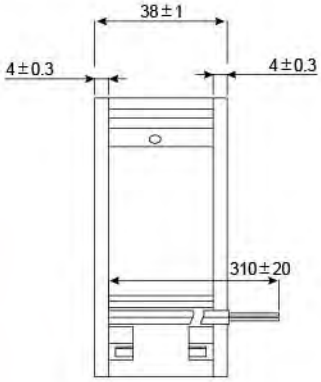
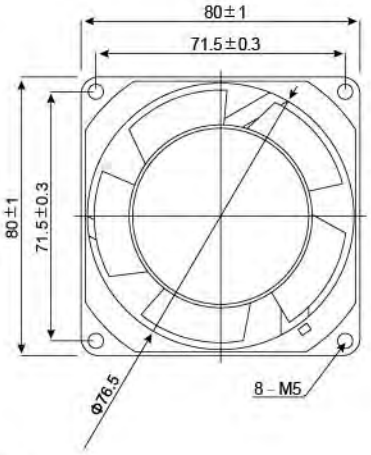
SF8038 Series

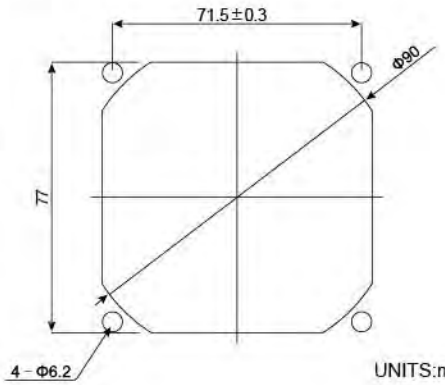
80×80×38mm







安装孔参考尺寸 Panel Out-cuts



UNITS:mm

Type 型号	P.N. 订货号	Bearing System 轴承类型	Nominal Voltage 电压 (VAC)	Freq 频率 (Hz)	Current 电流 (A)	Input Power 功率 (W)	Speed 转速 (RPM)	Air Flow 风量 (CFM)	Noise Level 噪音 (dB-A)	Operation Temperature 工作温度 ℃	Weight 重量 g
SF8038HA1	8038HA1*PT①	Sleeve/Ball	115	50/60	0.15/0.13	14.0/12.0	2400/2900	24/31	31/35	-20/65	340
SF8038HA2	8038HA2*PT①	Sleeve/Ball	230	50/60	0.11/0.10	16.0/14.0	2400/2900	24/31	31/35	-20/65	340
附件:护网 型号/订货号:SF808B 见附录							Attachment Finger Guard Type/P.N SF808B See appendix				

注释：*=S或B(S为含油轴承，B为滚珠轴承)

①代表L可选（L代表引线式连接，线长310mm，22AWG)

Note：*=S or B("S" for sleeve bearing ,"B" for ball bearing)

①represent L can be chosen(L for the lead wire type,the length 310mm,22AWG).

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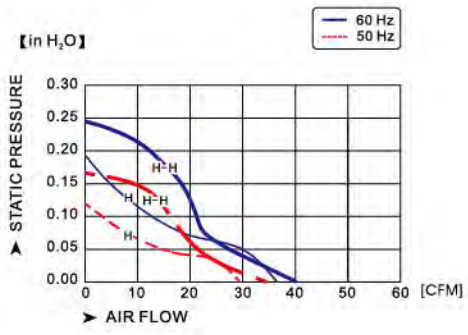
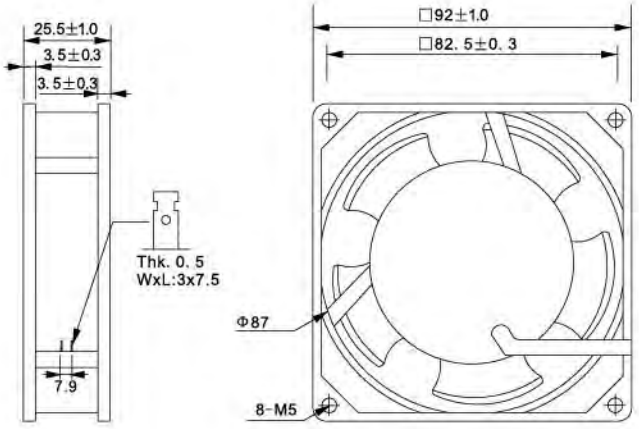
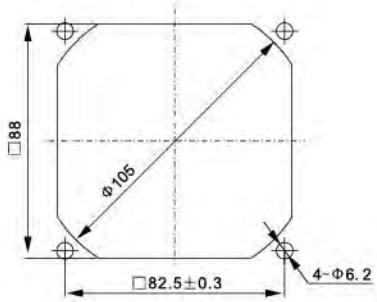
SF9225 Series

92×92×25mm





安装孔参考尺寸 Panel Out-cuts



UNITS : mm

AC AXIAL FANS 交流轴流风扇系列

PAGE 06

Type 型号	P.N. 订货号	Bearing System 轴承类型	Nominal Voltage 电压 (VAC)	Freq 频率 (Hz)	Current 电流 (A)	Input Power 功率 (W)	Speed 转速 (RPM)	Air Flow 风量 (CFM)	Noise Level 噪音 (dB-A)	Operation Temperature 工作温度 ℃	Weight 重量 g
SF9225HA1	9225HA1*PT①	Sleeve/Ball	115	50/60	0.12/0.10	14.0/13.5	2550/2900	30/37	32/37	-20/65	240
SF9225HA2	9225HA2*PT①	Sleeve/Ball	230	50/60	0.07/0.06	14.0/12.0	2550/2900	30/37	32/37	-20/65	240
SF9225HA1	9225HA1BPT①-H	Ball	115	50/60	0.18/0.14	14.0/11.0	2600/3000	33/40	35/40	-20/70	260
SF9225HA2	9225HA2BPT①-H	Ball	230	50/60	0.09/0.07	14.0/11.0	2600/3000	33/40	35/40	-20/70	260
附件 护网 型号/订货号 SF809B 见附录					Attachment: Finger Guard Type/P.N. SF809B See appendix						

注释：*=S或B(S为含油轴承，B为滚珠轴承)

①代表L可选（L代表引线式连接，线长310mm，22AWG)

Note：*=S or B("S" for sleeve bearing ,"B" for ball bearing)

①represent L can be chosen(L for the lead wire type,the length 310mm,22AWG).

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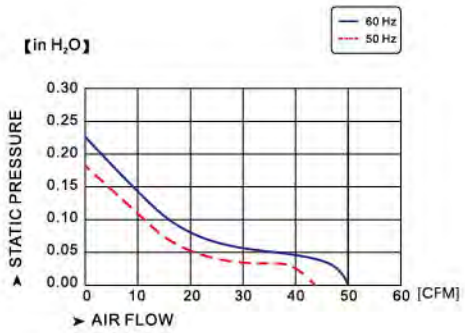
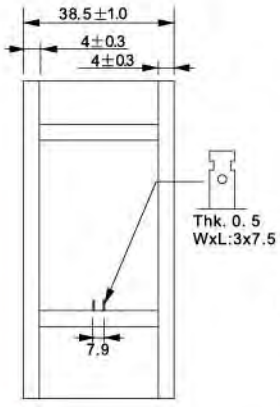
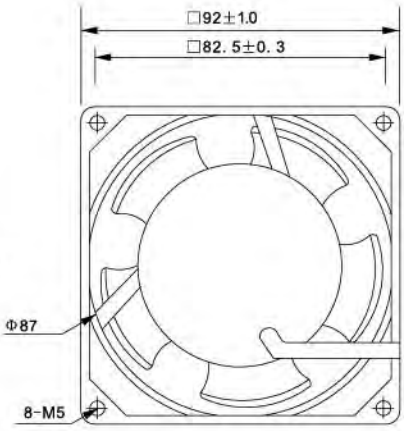
SF9238 Series

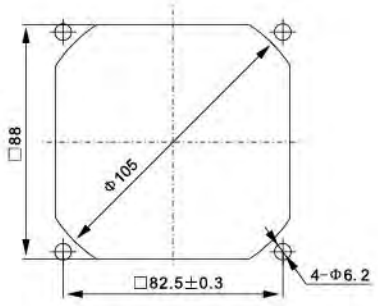
92×92×38mm







安装孔参考尺寸 Panel Out-cuts



Type 型号	P.N. 订货号	Bearing System 轴承类型	Nominal Voltage 电压 (VAC)	Freq 频率 (Hz)	Current 电流 (A)	Input Power 功率 (W)	Speed 转速 (RPM)	Air Flow 风量 (CFM)	Noise Level 噪音 (dB-A)	Operation Temperature 工作温度 ℃	Weight 重量 g
SF9238HA1	9238HA1BPT①	Ball	115	50/60	0.25/0.18	15.0/11.0	2800/3300	43/50	38/43	-20/70	430
SF9238HA2	9238HA2BPT①	Ball	230	50/60	0.15/0.10	17.0/12.0	2800/3300	43/50	38/43	-20/70	430
SF9238HA3	9238HA3BPT①	Ball	380	50	0.06	12.0	2800	43	38	-20/70	430
附件 护网 型号/订货号: SF809B 见附录							Attachment: Finger Guard Type/P.N: SF809B See appendix				

注释：*=S或B(S为含油轴承，B为滚珠轴承)

①代表L可选（L代表引线式连接，线长310mm，22AWG)

Note : *=S or B("S" for sleeve bearing ,"B" for ball bearing)

①represent L can be chosen(L for the lead wire type,the length 310mm,22AWG).

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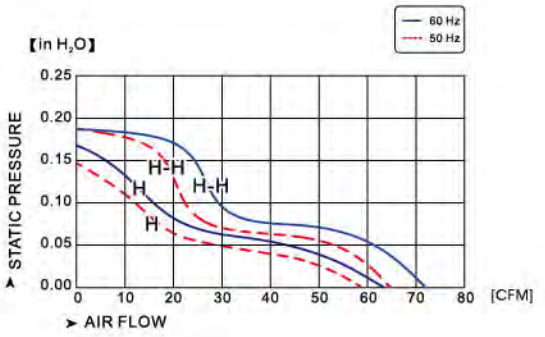
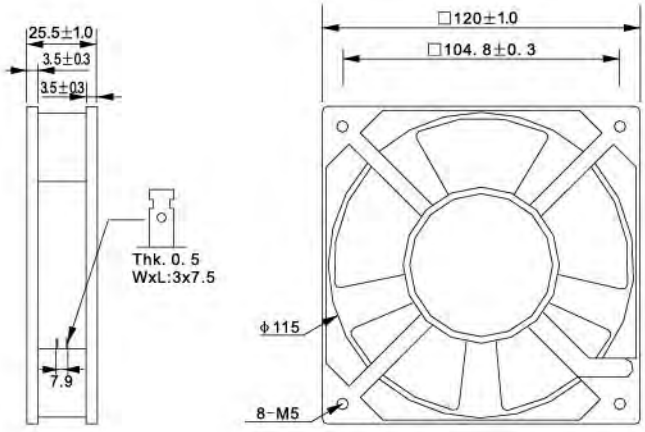
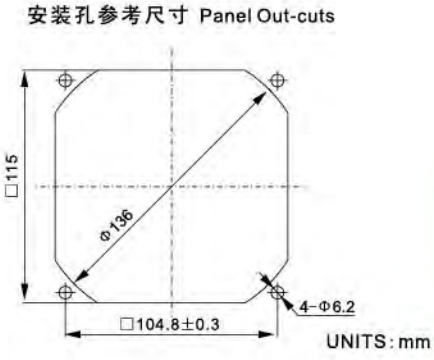
SF1225 Series

120×120×25mm







Type 型号	P.N. 订货号	Bearing System 轴承类型	Nominal Voltage 电压 (VAC)	Freq 频率 (Hz)	Current 电流 (A)	Input Power 功率 (W)	Speed 转速 (RPM)	Air Flow 风量 (CFM)	Noise Level 噪音 (dB-A)	Operation Temperature 工作温度 ℃	Weight 重量 g
SF1225HA1	1225HA1*PT①	Sleeve/Ball	115	50/60	0.16/0.15	14.0/11.0	2100/2200	56/61	34/35	-20/65	280
SF1225HA2	1225HA2*PT①	Sleeve/Ball	230	50/60	0.07/0.06	14.0/11.0	2100/2200	56/61	34/35	-20/65	280
SF1225HA1	1225HA1BPT①-H	Ball	115	50/60	0.18/0.14	14.0/11.0	2400/2800	64/72	38/40	-20/75	320
SF1225HA2	1225HA2BPT①-H	Ball	230	50/60	0.09/0.07	17.0/15.0	2400/2800	64/72	38/40	-20/75	320
附件 护网 型号/订货号 SF812B 见附录							Attachment: Finger Guard Type/P.N: SF812B See appendix				

注释：*=S或B(S为含油轴承，B为滚珠轴承)

①代表L可选（L代表引线式连接，线长310mm，22AWG)

Note：*=S or B("S" for sleeve bearing ,"B" for ball bearing)

①represent L can be chosen(L for the lead wire type,the length 310mm,22AWG).

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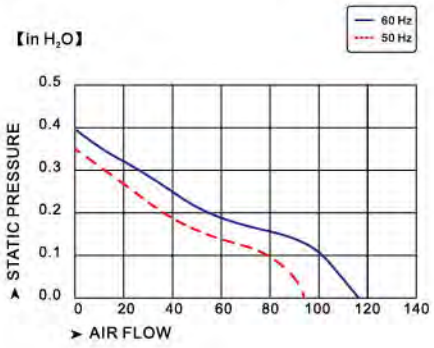
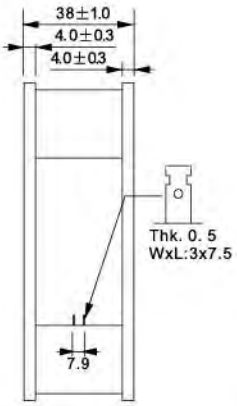
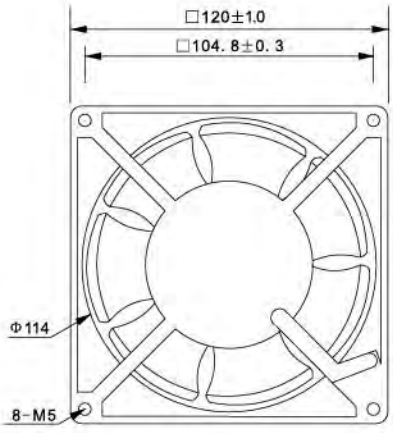
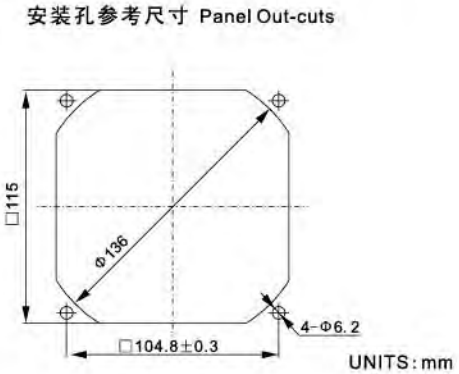
SF1238 Series

高风量（X-Flow）120×120×38mm









Type 型号	P.N. 订货号	Bearing System 轴承类型	Nominal Voltage 电压 (VAC)	Freq 频率 (Hz)	Current 电流 (A)	Input Power 功率 (W)	Speed 转速 (RPM)	Air Flow 风量 (CFM)	Noise Level 噪音 (dB-A)	Operation Temperature 工作温度 ℃	Weight 重量 g
SF1238XA1	1238XA1*PT①	Sleeve/Ball	115	50/60	0.22/0.18	21/18	2550/2900	93/115	40/45	-20/65	490
SF1238XA2	1238XA2*PT①	Sleeve/Ball	230	50/60	0.12/0.11	20/19	2550/2900	93/115	40/45	-20/65	490
SF1238XA3	1238XA3*PT①	Sleeve/Ball	380	50	0.06	18	2550	96	40	-20/65℃	490
附件：护网 型号/订货号：SF812B 见附录							Attachment: Finger Guard Type/P.N.: SF812B See appendix				

注释：*=S或B(S为含油轴承，B为滚珠轴承)

①代表L可选（L代表引线式连接，线长310mm，22AWG)

Note：*=S or B("S" for sleeve bearing ,"B" for ball bearing)

①represent L can be chosen(L for the lead wire type,the length 310mm,22AWG).

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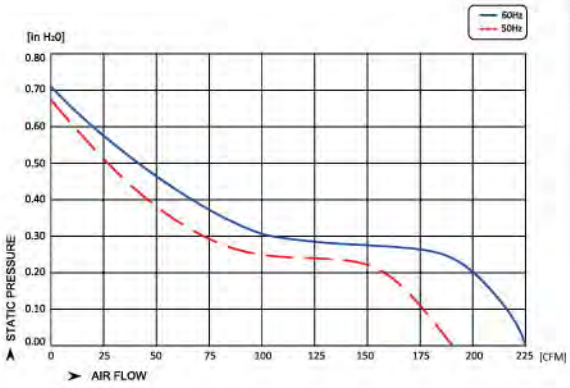
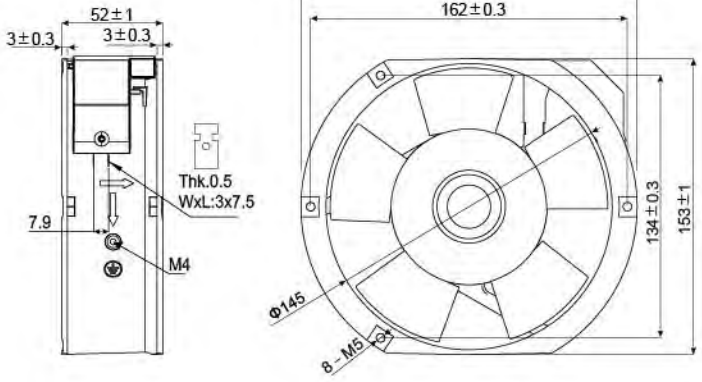
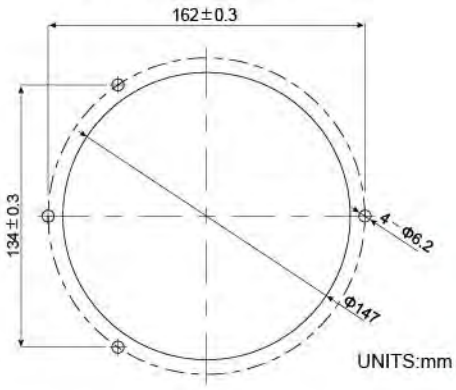
SF1725 Series

172×150×51mm





安装孔参考尺寸 Panel Out-cuts



Type 型号	P.N. 订货号	Bearing System 轴承类型	Nominal Voltage 电压 (VAC)	Freq 频率 (Hz)	Current 电流 (A)	Input Power 功率 (W)	Speed 转速 (RPM)	Air Flow 风量 (CFM)	Noise Level 噪音 (dB-A)	Operation Temperature 工作温度 ℃	Weight 重量 g
SF1725HA1	1725HA1BPT①	Ball	115	50/60	0.38/0.38	30/30	2600/2600	190/225	48/51	-20~70	879
SF1725HA2	1725HA2BPT①	Ball	230	50/60	0.26/0.24	36/36	2600/2600	190/225	48/51	-20~70	879
SF1725HA3	1725HA3BPT①	Ball	380	50/60	0.11/0.10	28/28	2600/2600	190/225	48/51	-20~70	879
附件 护网 型号/订货号 SF817B 见附录							Allachment Finger Guard Type/P.N SF817B See appendix				

注释：①代表L可选（L代表引线式连接，线长310mm，22AWG)

Note : ①represent L can be chosen(L for the lead wire type,the length 310mm,22AWG).

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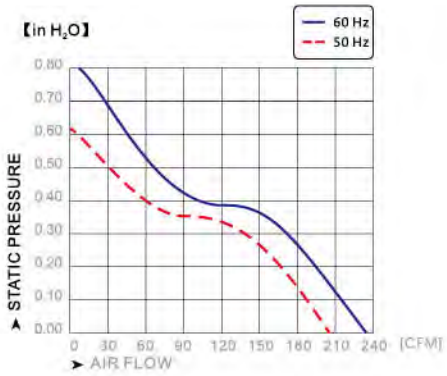
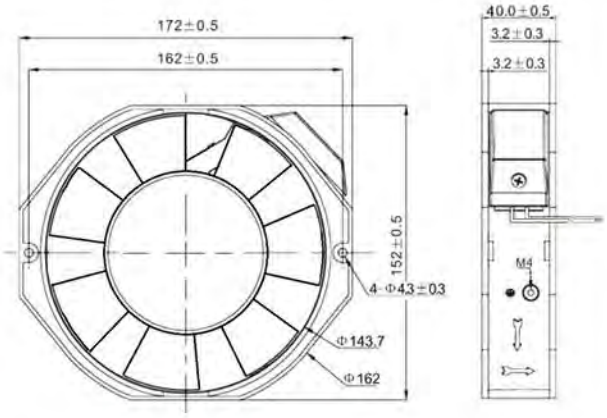
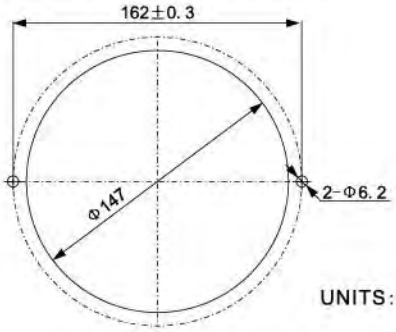
SF17023 Series

172×150×40mm





安装孔参考尺寸 Panel Out-cuts



UNITS: mm

Type 型号	P.N. 订货号	Bearing System 轴承类型	Nominal Voltage 电压 (VAC)	Freq 频率 (Hz)	Current 电流 (A)	Input Power 功率 (W)	Speed 转速 (RPM)	Air Flow 风量 (CFM)	Noise Level 噪音 dB(A)	Operation Temperature 工作温度 ℃	Weight 重量 g
SF17023HA1	17023HA1BPL	Ball	115	50/60	0.38/0.36	40/38	2750/3150	205/235	54/57	-20/75	660
SF17023HA2	17023HA2BPL	Ball	230	50/60	0.19/0.18	40/38	2750/3150	205/235	54/57	-20/75	660
SF17023HA3	17023HA3BPL	Ball	380	50/60	0.08/0.08	45/40	2750/3150	205/235	54/57	-20/75	660
附件:护网 型号/订货号:MG172 见附录							Attachment Finger Guard Type/P.N:MG172 See appendix				

注释：线长310mm，22AWG.

Note:Lead wire 310mm,22AWG.

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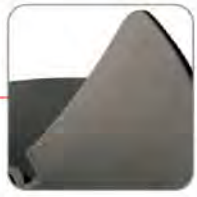
划时代革新
Epoch-making innovation

全金属风扇
All-metal fan

金属扇叶，有效降低温升
Metal blades, effectively reduce the temperature of the motor

金属扇叶 Matal impeller
屏蔽佳
Good electromagnetic shielding

塑胶扇叶Plastic impeller
无屏蔽功能
Poor electromagnetic shielding



耐氧化金属扇叶
Oxidation-resistant metal impeller
久置不氧化
Non oxidation

易氧化金属扇叶
Oxidizing metal impeller
久置氧化
Oxidation after long time

双面动平衡工艺，有效提升风扇寿命
Double-sided dynamic balancing process,effectively improves the life span of the fan

IP55,有效减少灰尘侵入马达
IP55,effectively reduce dust intrusion motor

马达散热齿设计，辅助降低温升
Bottom of motor designed in radiating fin,auxiliary to reduce the temperature of the motor

便捷性设计
Convenience design for customers

报警功能可选
Optional alarm function

气柱袋包装
Air bag packaging

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至高品质
Highest Quality

卓越性能
Superior Performance

耐高温
High Temperature Resistance

风机可定制耐高温最高达 130℃，常规风机耐高温最高达 95℃，大大降低了设备“罢工”的概率。
Customizable fans can withstand temperature up to 130℃ , significantly reducing the probability of equipment "downtime".Conventional fans can withstand temperatures up to 95℃ .

耐盐雾
Salt Spray Resistance

AC 轴流风扇的耐盐雾产品，NSS 实验可承受实验时间 96 小时以上。
AC axial fans' salt spray resistance can endure NSS tests for over 96 hours.

防尘防水
Dust and Water Protection

SOTOP 源顶电气专利产品 11 系列过滤器（IP55），可以简单并有效解决设备高防护等级需求。
SOTOP's patented product, the 11 Series Filter (IP55), effectively meets high protection requirements.

报警
Alarm function

在温度、灰尘、潮湿、盐雾等因素影响下，我们不免会担心设备什么时候“罢工”。
源顶电气的风扇具备故障报警功能（干接点报警），可方便地通过此故障用干接点把信号上传到上位机，或者直接连接报警装置（指示灯、蜂鸣器等），从而便于及时对设备进行维护。
Under the influence of factors such as temperature, dust, humidity, and salt spray, concerns about equipment "downtime" may arise,
SOTOP' s fans come with a fault alarm function (dry contact alarm), allowing easy transmission of signals to the upper computer via dry contacts, or direct connection to alarm devices (indicator lights, buzzers, etc.), facilitating timely equipment maintenance.

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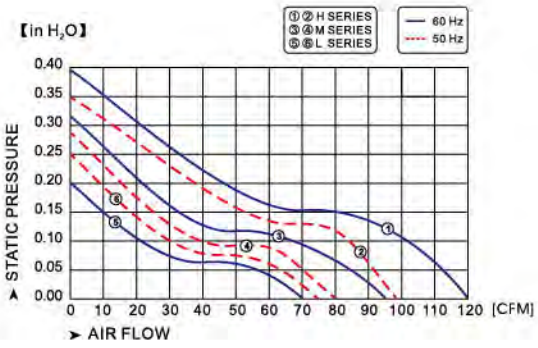
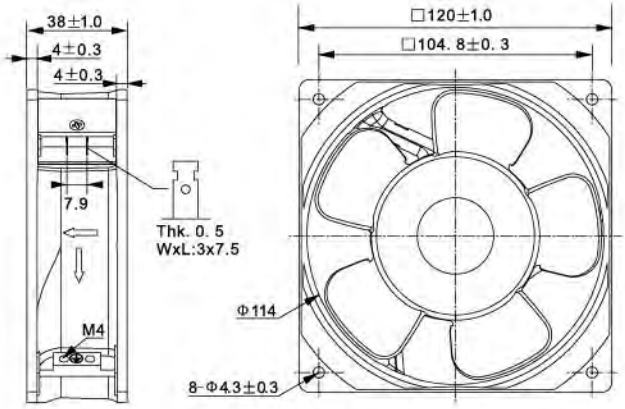
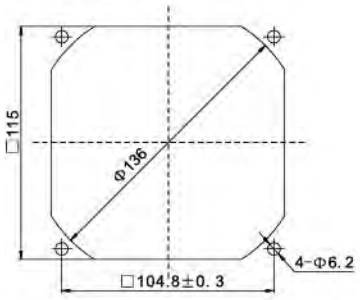
SF1238 Metal series

120×120×38mm





安装孔参考尺寸 Panel Out-cuts



UNITS : mm

Type 型号	P.N. 订货号	Bearing System 轴承类型	Nominal Voltage 电压 (VAC)	Freq 频率 (Hz)	Current 电流 (A)	Input Power 功率 (W)	Speed 转速 (RPM)	Air Flow 风量 (CFM)	Noise Level 噪音 (dB-A)	Operation Temperature 工作温度 ℃	Weight 重量 g
SF1238HA1	1238HA1*MT①	Sleeve/Ball	115	50/60	0.26/0.21	17/15	2700/3100	98/120	42/47	-50/85②	550
SF1238HA2	1238HA2*MT①	Sleeve/Ball	230	50/60	0.16/0.14	18/16	2700/3100	98/120	42/47	-50/85②	550
SF1238HA3	1238HA3*MT①	Sleeve/Ball	380	50/60	0.05/0.04	11/9	2700/3100	98/120	42/47	-50/85②	550
SF1238MA1	1238MA1*MT①	Sleeve/Ball	115	50/60	0.15/0.12	13/11	2500/2700	80/95	36/38	-50/90②	550
SF1238MA2	1238MA2*MT①	Sleeve/Ball	230	50/60	0.10/0.07	13/11	2500/2700	80/95	36/38	-50/90②	550
SF1238MA3	1238MA3*MT①	Sleeve/Ball	380	50/60	0.06/0.05	13/11	2500/2700	80/95	36/38	-50/90②	550
SF1238LA1	1238LA1*MT①	Sleeve/Ball	115	50/60	0.12/0.09	10/8	2400/2100	75/70	35/34	-50/95②	550
SF1238LA2	1238LA2*MT①	Sleeve/Ball	230	50/60	0.08/0.06	10/8	2400/2100	75/70	35/34	-50/95②	550
SF1238LA3	1238LA3*MT①	Sleeve/Ball	380	50/60	0.05/0.04	10/8	2400/2100	75/70	35/34	-50/95②	550
附件 防护网 型号/订货号 SF812B										Attachment, Fan Guards Type/P.N. SF812B	

注释：*=S或B(S为含油轴承，B为滚珠轴承)
①代表L可选(L代表引线式连接，线长310mm，22AWG)。
②代表-40/130℃(230V)、-40/100℃(115/380V)可选，其他工作温度可定制。

Note：*=S or B("S" for sleeve bearing ,"B" for ball bearing)
①represent L can be chosen(L for the lead wire type,the length 310mm,22AWG).
②Optional-40/130℃(230V), -40/100℃(115/380V),other operation temperature on request.

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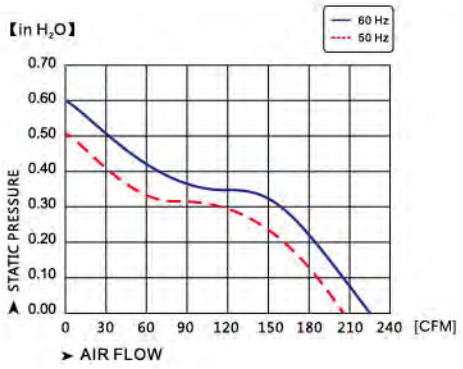
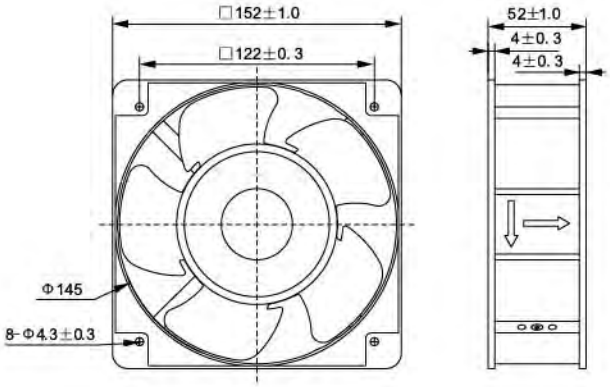
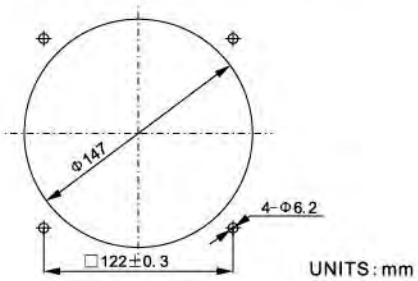
SF1525 Metal series

152×152×52mm





安装孔参考尺寸 Panel Out-cuts



Type 型号	P.N. 订货号	Bearing System 轴承类型	Nominal Voltage 电压 (VAC)	Freq 频率 (Hz)	Current 电流 (A)	Input Power 功率 (W)	Speed 转速 (RPM)	Air Flow 风量 (CFM)	Noise Level 噪音 (dB-A)	Operation Temperature 工作温度 ℃	Weight 重量 g
SF1525HA1	1525HA1*MW①	Sleeve/Ball	115	50/60	0.40/0.36	32/30	2800/3100	205/225	48/51	-50/80②	1030
SF1525HA2	1525HA2*MW①	Sleeve/Ball	230	50/60	0.21/0.19	32/30	2800/3100	205/225	48/51	-50/80②	1030
SF1525HA3	1525HA3*MW①	Sleeve/Ball	380	50/60	0.11/0.10	25/24	2800/3100	205/225	48/51	-50/80②	1030
附件 护网 型号/订货号: MG150 见附录							Attachment: Finger Guard Type/P.N.: MG150 See appendix				

注释：*=S或B(S为含油轴承，B为滚珠轴承)

① WA可选 (WA代表报警功能，此款报警功能采用无源常开触点式。)

② 代表-40/100℃可选，其他工作温度可定制。

Note : *=S or B("S" for sleeve bearing ,"B" for ball bearing)

① WA can be chosen(WA for the function of fan with warning signal output,adopting passive adherent point type,NO)

② Optional-40/100℃,other operation temperature on request.

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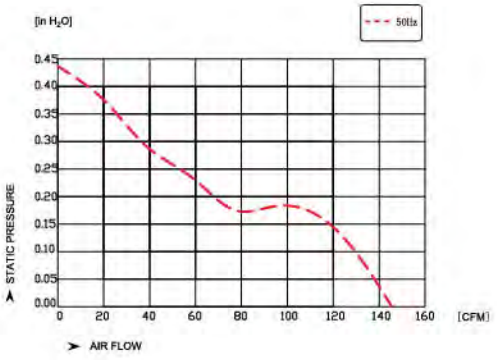
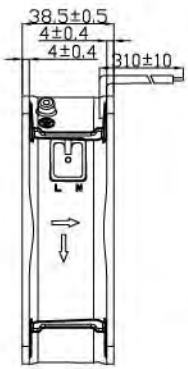
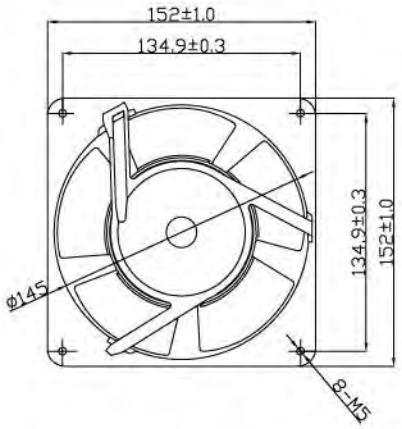
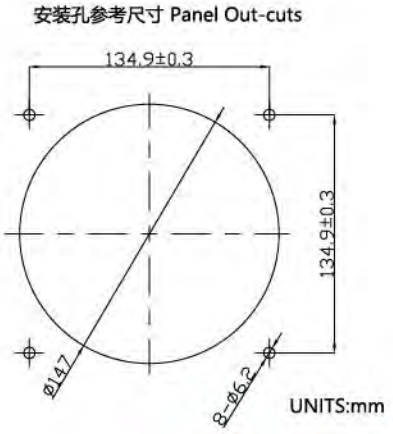
SF1525-B Metal series

152 x 152 x 38mm









Type 型号	P.N. 订货号	Bearing System 轴承类型	Nominal Voltage 电压 (VAC)	Freq 频率 (Hz)	Current 电流 (A)	Input Power 功率 (W)	Speed 转速 (RPM)	Air Flow 风量 (CFM)	Noise Level 噪音 (dB-A)	Operation Temperature 工作温度 ℃	Weight 重量 g
SF1525HA2	1525HA2BML-B①	Ball	230	50	0.14	22	2800	142	46	-50/85②	795
附件:护网 型号/订货号:MG150 见附录							Attachment: Finger Guard Type/P.N: MG150 See appendix				

注释：①代表引线（线长310mm，22AWG）、端子可选。
②代表-40/105℃可选，其他工作温度可定制。
Note : ①represent the lead wire type(the length 310mm,22AWG) ,terminal can be chosen.
②Optional-40/105℃,other operation temperature on request.

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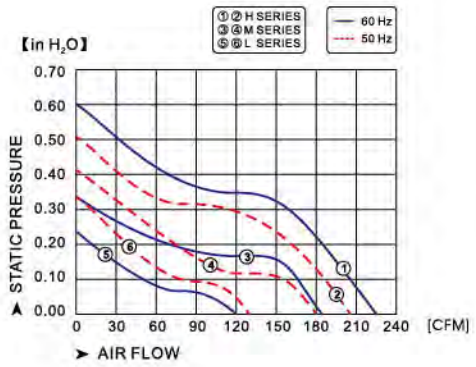
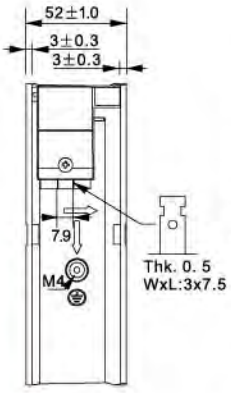
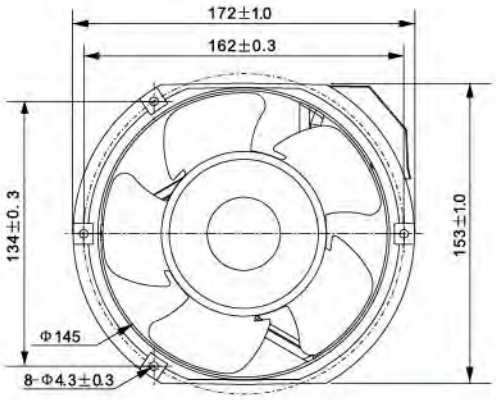
SF1725 Metal series

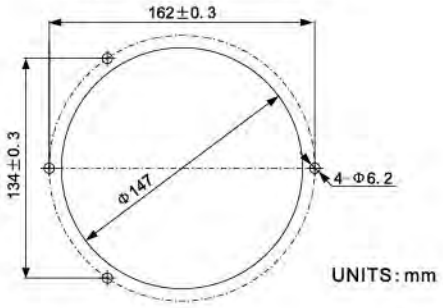
172×150×51mm







安装孔参考尺寸 Panel Out-cuts



AC AXIAL FANS 交流轴流风扇系列

PAGE 17

Type 型号	P.N. 订货号	Bearing System 轴承类型	Nominal Voltage 电压 (VAC)	Freq 频率 (Hz)	Current 电流 (A)	Input Power 功率 (W)	Speed 转速 (RPM)	Air Flow 风量 (CFM)	Noise Level 噪音 (dB-A)	Operation Temperature 工作温度 ℃	Weight 重量 g
SF1725HA1	1725HA1*MT①	Sleeve/Ball	115	50/60	0.36/0.32	32/30	2800/3100	205/225	48/51	-50/80②	1030
SF1725HA2	1725HA2*MT①	Sleeve/Ball	230	50/60	0.21/0.19	32/30	2800/3100	205/225	48/51	-50/80②	1030
SF1725HA3	1725HA3*MT①	Sleeve/Ball	380	50/60	0.11/0.10	25/24	2800/3100	205/225	48/51	-50/80②	1030
SF1725MA1	1725MA1*MT①	Sleeve/Ball	115	50/60	0.32/0.32	24/24	2600/2700	180/185	45/46	-50/85②	1030
SF1725MA2	1725MA2*MT①	Sleeve/Ball	230	50/60	0.16/0.16	24/25	2600/2550	180/185	45/46	-50/85②	1030
SF1725MA3	1725MA3*MT①	Sleeve/Ball	380	50/60	0.12/0.10	28/25	2600/2700	180/185	45/46	-50/85②	1030
SF1725LA1	1725LA1*MT①	Sleeve/Ball	115	50/60	0.20/0.17	24/22	2400/2200	130/120	37/36	-50/90②	1030
SF1725LA2	1725LA2*MT①	Sleeve/Ball	230	50/60	0.14/0.11	24/22	2400/2200	130/120	37/36	-50/90②	1030
SF1725LA3	1725LA3*MT①	Sleeve/Ball	380	50/60	0.08/0.07	24/22	2400/2200	130/120	37/36	-50/90②	1030
附件 护网 型号/订货号 SF817B 见附录							Attachment Finger Guard Type/P.N SF817B See appendix				

注释：*=S或B(S为含油轴承，B为滚珠轴承)
①代表L或LA可选（L代表引线式连接，线长310mm，22AWG。LA代表报警功能，此款报警功能采用无源常开触点式，2条黄色报警线长310mm,22AWG。）
②代表-40/100℃可选，其他工作温度可定制。

Note : *=S or B("S" for sleeve bearing ,"B" for ball bearing)
①represent L or LA can be chosen(L for the lead wire type,the length 310mm,22AWG.LA for the function of fan with warning signal output,adopting passive adherent point type, NO, two yellow warning wires with the length 310mm, 22AWG).
②Optional-40/100℃,other operation temperature on request.

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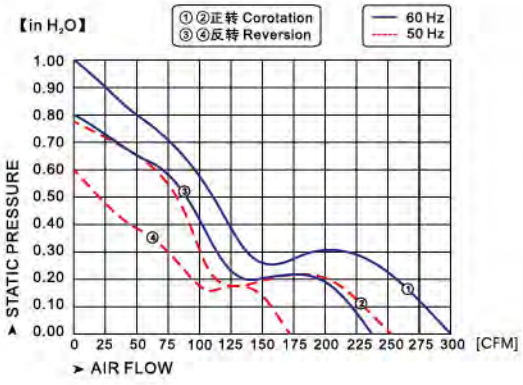
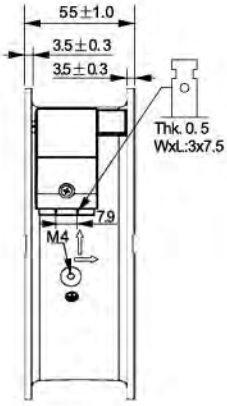
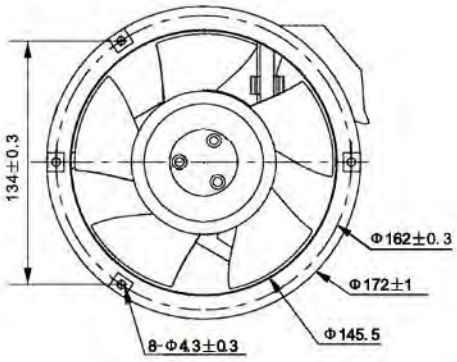
SF17255 Metal series

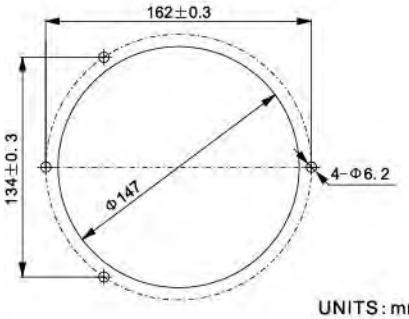
Φ172×55mm







安装孔参考尺寸 Panel Out-cuts



UNITS: mm

AC AXIAL FANS 交流轴流风扇系列

PAGE 18

Type 型号	P.N. 订货号	Bearing System 轴承类型	Nominal Voltage 电压 (VAC)	Freq 频率 (Hz)	Current 电流 (A)	Input Power 功率 (W)	Speed 转速 (RPM)	Air Flow 风量 (CFM)	Noise Level 噪音 (dB-A)	Operation Temperature 工作温度 ℃	Weight 重量 g
SF17255HA1	17255HA1BMT①	Ball	115	50/60	0.35/0.30	32/32	2900/3400	253/300	51/55	-50/85③	1200
SF17255HA1	17255HA1BMLC②	Ball	115	50/60	0.35/0.30 (正转) corotation 0.28/0.26 (反转) reversion	32/32 (正转) corotation 28/26 (反转) reversion	2900/3400	253/300 (正转) corotation 170/235 (反转) reversion	51/55	-50/85③	1200
SF17255HA2	17255HA2BMT①	Ball	230	50/60	0.12/0.13	28/30	2900/3400	253/300	51/55	-50/85③	1200
SF17255HA2	17255HA2BMLC②	Ball	230	50/60	0.12/0.13 (正转) corotation 0.12/0.11 (反转) reversion	28/30 (正转) corotation 25/26 (反转) reversion	2900/3400	253/300 (正转) corotation 170/235 (反转) reversion	51/55	-50/85③	1200
SF17255HA3	17255HA3BMW	Ball	380	50/60	0.08/0.08	38/35	2900/3400	253/300	51/55	-50/85③	1200
附件:护网 型号/订货号 SF817B 见附录							Attachment: Finger Guard Type/P.N. SF817B See appendix				

注释：①代表L或LA可选（L代表引线式连接，线长310mm，22AWG。LA代表报警功能，此款报警功能采用无源常开触点式，2条黄色报警线长310mm,22AWG。）
②代表正反转功能，线长310mm，22AWG,引线为三线式,"黑-红"正转，"黑-黄"反转。
③代表-40/105℃可选，其他工作温度可定制。

Note : ①represent L or LA can be chosen(L for the lead wire type,the length 310mm,22AWG.LA for the function of fan with warning signal output,adopting passive adherent point type,NO,two yellow warning wires with the length 310mm, 22AWG).
②represent the function of corotation and reversion,three black wires with length 310mm,22AWG, "black-red"corotation "black-yellow"reversion.
③Optional-40/105℃,other operation temperature on request.

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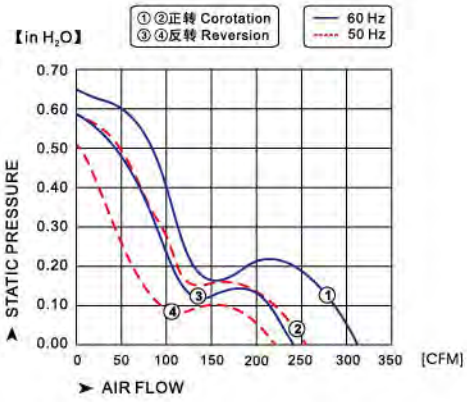
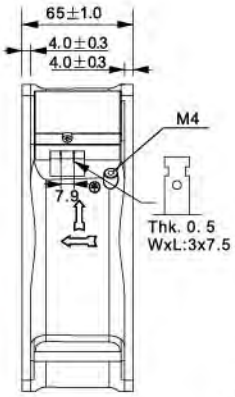
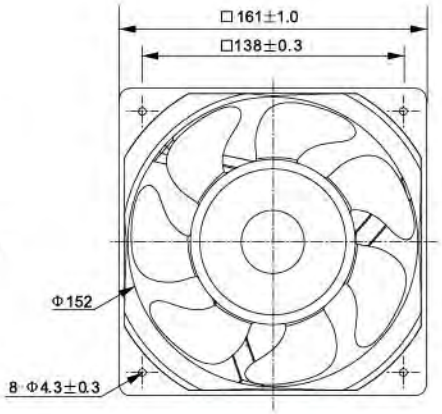
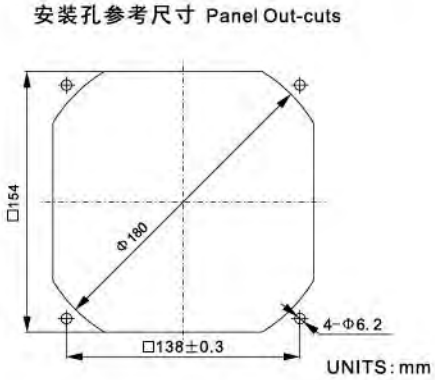
SF1606 Metal series

160×160×65mm









Type 型号	P.N. 订货号	Bearing System 轴承类型	Nominal Voltage 电压 (VAC)	Freq 频率 (Hz)	Current 电流 (A)		Input Power 功率 (W)		Speed 转速 (RPM)	Air Flow 风量 (CFM)		Noise Level 噪音 (dB-A)	Operation Temperature 工作温度 ℃	Weight 重量 g
SF1606HA1	1606HA1BMT①	Ball	115	50/60	0.42/0.41		42/44		2800/3200	260/310		52/55	-50/85③	1400
SF1606HA1	1606HA1BMLC②	Ball	115	50/60	0.42/0.41 (正转) corotation	0.36/0.32 (反转) reversion	42/44 (正转) corotation	28/30 (反转) reversion	2800/3200	260/310 (正转) corotation	220/240 (反转) reversion	52/55	-50/85③	1400
SF1606HA2	1606HA2BMT①	Ball	230	50/60	0.15/0.18		34/40		2800/3200	260/310		52/55	-50/85③	1400
SF1606HA2	1606HA2BMLC②	Ball	230	50/60	0.15/0.18 (正转) corotation	0.13/0.16 (反转) reversion	34/40 (正转) corotation	26/30 (反转) reversion	2800/3200	260/310 (正转) corotation	220/240 (反转) reversion	52/55	-50/85③	1400
SF1606HA3	1606HA3BMW	Ball	380	50/60	0.08/0.09		41/42		2800/3200	260/310		52/55	-50/85③	1400

附件:护网 型号/订货号 MG160 见附录 Attachment Finger Guard Type/P.N MG160 See appendix

注释：①代表L或LA可选（L代表引线式连接，线长310mm，22AWG。LA代表报警功能，此款报警功能采用无源常开触点式，2条黄色报警线长310mm,22AWG。）
②代表正反转功能，线长310mm，22AWG,引线为三线式,"黑-红"正转，"黑-黄"反转。
③代表-40/105℃可选，其他工作温度可定制。

Note : ①represent L or LA can be chosen(L for the lead wire type,the length 310mm,22AWG.LA for the function of fan with warning signal output,adopting passive adherent point type,NO,two yellow warning wires with the length 310mm, 22AWG).
②represent the function of corotation and reversion,three black wires with length 310mm,22AWG, "black-red"corotation "black-yellow"reversion.
③Optional-40/105℃,other operation temperature on request.

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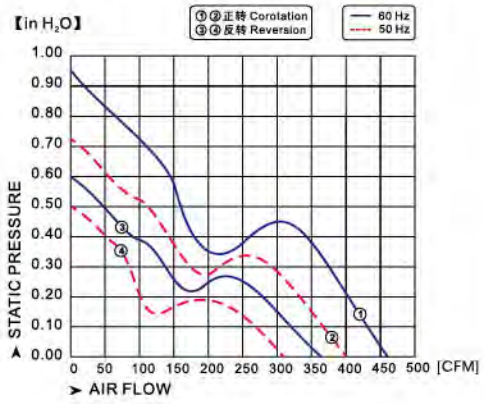
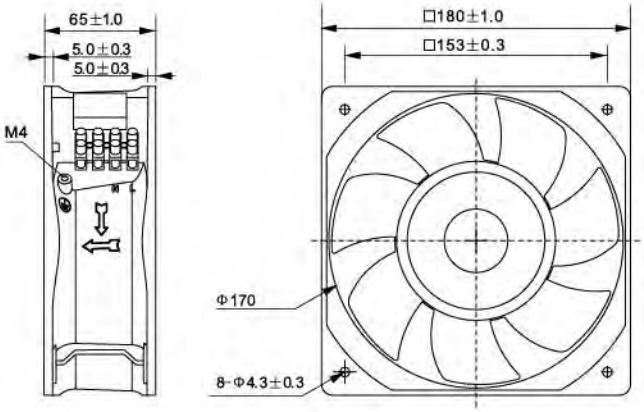
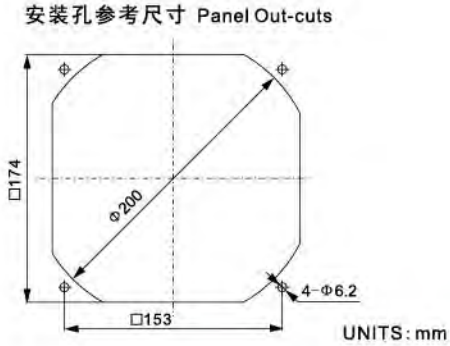
SF1806 Metal series

180×180×65mm







Type 型号	P.N. 订货号	Bearing System 轴承类型	Nominal Voltage 电压 (VAC)	Freq 频率 (Hz)	Current 电流 (A)		Input Power 功率 (W)		Speed 转速 (RPM)	Air Flow 风量 (CFM)		Noise Level 噪音 (dB-A)	Operation Temperature 工作温度 ℃	Weight 重量 g
SF1806HA1	1806HA1BMW①	Ball	115	50/60	0.39/0.56		45/63		2850/3200	400/460		57/62	-50/85③	1900
SF1806HA1	1806HA1BMWC②	Ball	115	50/60	0.39/0.56 (正转) corotation	0.36/0.40 (反转) reversion	45/63 (正转) corotation	32/43 (反转) reversion	2850/3200	400/460 (正转) corotation	315/365 (反转) reversion	57/62	-50/85③	1900
SF1806HA2	1806HA2BMW①	Ball	230	50/60	0.20/0.29		47/66		2850/3200	400/460		57/62	-50/85③	1900
SF1806HA2	1806HA2BMWC②	Ball	230	50/60	0.20/0.29 (正转) corotation	0.18/0.23 (反转) reversion	47/66 (正转) corotation	40/52 (反转) reversion	2850/3200	400/460 (正转) corotation	315/365 (反转) reversion	57/62	-50/85③	1900
SF1806HA3	1806HA3BMW	Ball	380	50/60	0.09/0.10		47/57		2850/3200	400/460		57/62	-50/85③	1900
附件 护网 型号/订货号 SF818B 见附录									Attachment Finger Guard Type/P.N SF818B See appendix					

注释：①代表T(插片式)、L(拖线式，线长310mm，22AWG)、WA(报警功能)可选。报警功能采用无源常开触点。
②代表正反转功能，L-N1正转，L-N2反转；或“黑-红”正转，“黑-黄”反转。
③代表-40/105℃可选，其他工作温度可定制。

Note : ①Optional T(terminal plug),L(lead wire,310mm,22AWG) or WA(alarm function).The alarm function adopts passive normally open contact.
②The function of corotation and reversion,L-N1 corotation,L-N2 reversion; or “black-red” corotation, “black-yellow” reversion.
③Optional-40/105℃,other operation temperature on request.

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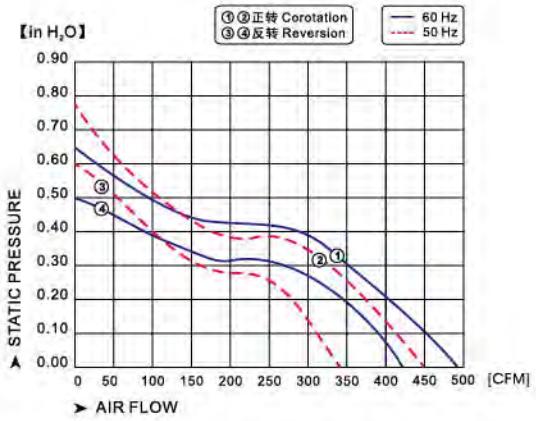
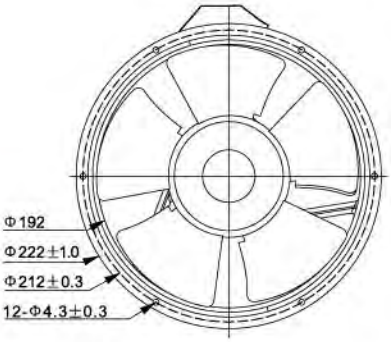
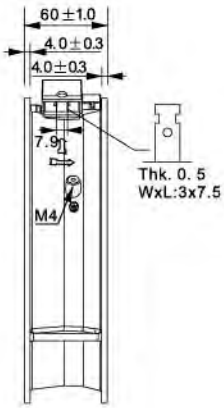
SF2206 Metal series

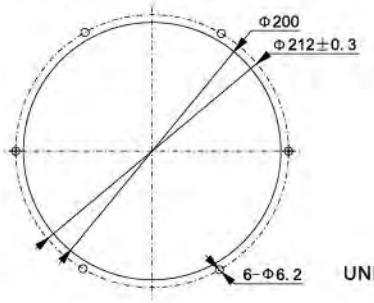
Φ222×60mm







安装孔参考尺寸 Panel Out-cuts



UNITS: mm

Type 型号	P.N. 订货号	Bearing System 轴承类型	Nominal Voltage 电压 (VAC)	Freq 频率 (Hz)	Current 电流 (A)		Input Power 功率 (W)		Speed 转速 (RPM)	Air Flow 风量 (CFM)		Noise Level 噪音 (dB-A)	Operation Temperature 工作温度 °C	Weight 重量 g
SF2206HA1	2206HA1BMT①	Ball	115	50/60	0.36/0.42		40/48		2800/3100	450/490		60/63	-50/85③	1520
SF2206HA1	2206HA1BMLC②	Ball	115	50/60	0.36/0.42 (正转) corotation	0.29/0.31 (反转) reversion	40/48 (正转) corotation	41/50 (反转) reversion	2800/3100	450/490 (正转) corotation	340/420 (反转) reversion	60/63	-50/85③	1520
SF2206HA2	2206HA2BMT①	Ball	230	50/60	0.20/0.26		47/58		2800/3100	450/490		60/63	-50/85③	1520
SF2206HA2	2206HA2BMLC②	Ball	230	50/60	0.20/0.26 (正转) corotation	0.17/0.22 (反转) reversion	47/58 (正转) corotation	40/49 (反转) reversion	2800/3100	450/490 (正转) corotation	340/420 (反转) reversion	60/63	-50/85③	1520
SF2206HA3	2206HA3BMW	Ball	380	50/60	0.08/0.08		42/46		2800/3100	450/490		60/63	-50/85③	1520
附件:护网 型号/订货号 SF822B 见附录									Attachment: Finger Guard Type/P.N SF822B See appendix					

注释：①代表L或LA可选（L代表引线式连接，线长310mm，22AWG。LA代表报警功能，此款报警功能采用无源常开触点式，2条黄色报警线长310mm,22AWG。）
②代表正反转功能，线长310mm，22AWG,引线为三线式,"黑-红"正转，"黑-黄"反转。
③代表-40/105°C可选，其他工作温度可定制。

Note : ①represent L or LA can be chosen(L for the lead wire type,the length 310mm,22AWG.LA for the function of fan with warning signal output,adopting passive adherent point type,NO,two yellow warning wires with the length 310mm, 22AWG).
②represent the function of corotation and reversion,three black wires with length 310mm,22AWG, "black-red"corotation "black-yellow"reversion.
③Optional-40/105℃,other operation temperature on request.

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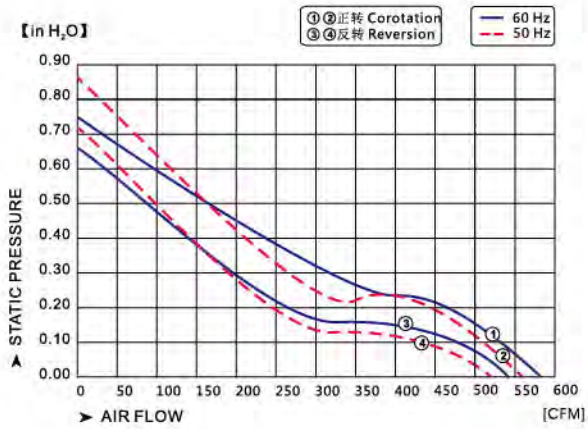
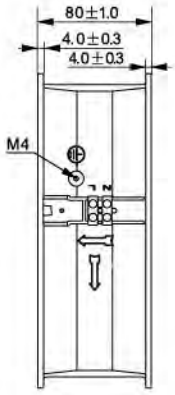
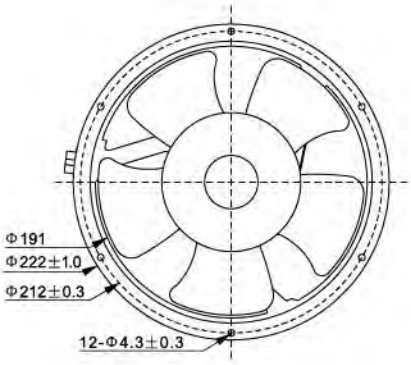
SF2208 Metal series

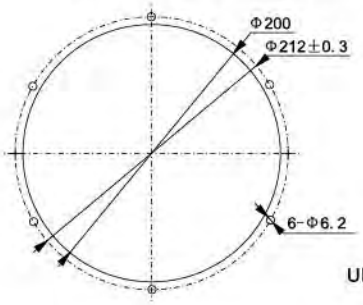
Φ222×80mm







安装孔参考尺寸 Panel Out-cuts



UNITS: mm

Type 型号	P.N. 订货号	Bearing System 轴承类型	Nominal Voltage 电压 (VAC)	Freq 频率 (Hz)	Current 电流 (A)		Input Power 功率 (W)		Speed 转速 (RPM)	Air Flow 风量 (CFM)		Noise Level 噪音 (dB-A)	Operation Temperature 工作温度 ℃	Weight 重量 g
SF2208HA1	2208HA1BMW①	Ball	115	50/60	0.48/0.68		56/78		2800/3000	560/580		65/68	-50/85③	2060
SF2208HA1	2208HA1BMWC②	Ball	115	50/60	0.48/0.68 (正转) corotation	0.40/0.56 (反转) reversion	56/78 (正转) corotation	41/52 (反转) reversion	2800/3000	560/580 (正转) corotation	520/540 (反转) reversion	65/68	-50/85③	2060
SF2208HA2	2208HA2BMW①	Ball	230	50/60	0.25/0.36		58/81		2800/3000	560/580		65/68	-50/85③	2060
SF2208HA2	2208HA2BMWC②	Ball	230	50/60	0.25/0.36 (正转) corotation	0.22/0.32 (反转) reversion	58/81 (正转) corotation	44/59 (反转) reversion	2800/3000	560/580 (正转) corotation	520/540 (反转) reversion	65/68	-50/85③	2060
SF2208HA3	2208HA3BMW	Ball	380	50/60	0.14/0.13		54/62		2800/3000	560/580		65/68	-50/85③	2060

附件 护网 型号/订货号 SF822B 见附录 Attachment: Finger Guard Type/P.N: SF822B See appendix

注释：①代表T(插片式)、L(拖线式，线长310mm，22AWG)、WA(报警功能)可选。报警功能采用无源常开触点。
②代表正反转功能，L-N1正转，L-N2反转；或“黑-红”正转，“黑-黄”反转。
③代表-40/105℃可选，其他工作温度可定制。

Note: ①Optional T(terminal plug),L(lead wire,310mm,22AWG) or WA(alarm function).The alarm function adopts passive normally open contact.
②The function of corotation and reversion,L-N1 corotation,L-N2 reversion; or "black-red" corotation, "black-yellow" reversion.
③Optional-40/105℃,other operation temperature on request.

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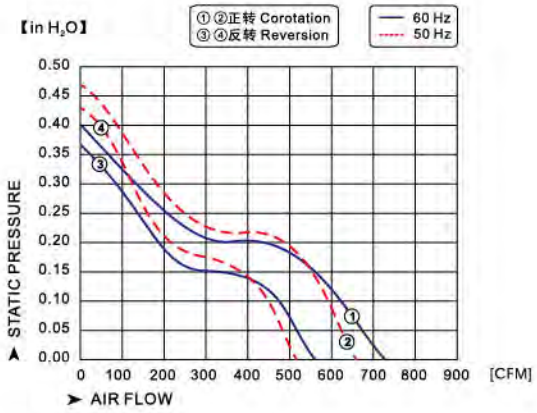
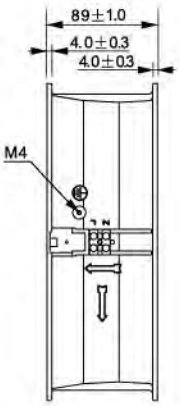
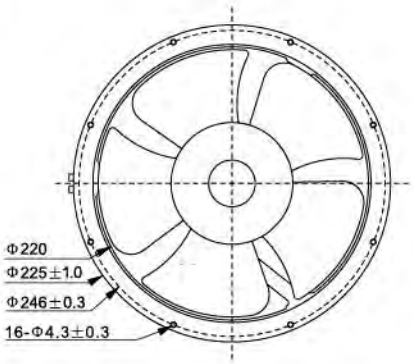
SF2509 Metal series

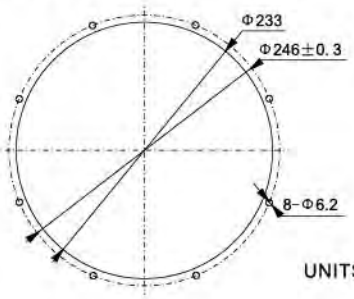
Φ255×89mm







安装孔参考尺寸 Panel Out-cuts



Type 型号	P.N. 订货号	Bearing System 轴承类型	Nominal Voltage 电压 (VAC)	Freq 频率 (Hz)	Current 电流 (A)		Input Power 功率 (W)		Speed 转速 (RPM)	Air Flow 风量 (CFM)		Noise Level 噪音 (dB-A)	Operation Temperature 工作温度 ℃	Weight 重量 g
SF2509HA1	2509HA1BMW①	Ball	115	50/60	0.47/0.65		54/72		2800/3000	670/740		64/66	-50/85③	2360
SF2509HA1	2509HA1BMWC②	Ball	115	50/60	0.47/0.65 (正转) corotation	0.40/0.56 (反转) reversion	54/72 (正转) corotation	41/52 (反转) reversion	2800/3000	670/740 (正转) corotation	510/560 (反转) reversion	64/66	-50/85③	2360
SF2509HA2	2509HA2BMW①	Ball	230	50/60	0.25/0.35		57/80		2800/3000	670/740		64/66	-50/85③	2360
SF2509HA2	2509HA2BMWC②	Ball	230	50/60	0.25/0.35 (正转) corotation	0.22/0.32 (反转) reversion	57/80 (正转) corotation	44/59 (反转) reversion	2800/3000	670/740 (正转) corotation	510/560 (反转) reversion	64/66	-50/85③	2360
SF2509HA3	2509HA3BMW	Ball	380	50/60	0.13/0.12		52/58		2800/3000	670/740		64/66	-50/85③	2360
附件 护网 型号/订货号 SF825B 见附录										Attachment Finger Guard Type/P.N. SF825B See appendix				

注释：①代表T(插片式)、L(拖线式，线长310mm，22AWG)、WA(报警功能)可选。报警功能采用无源常开触点。
②代表正反转功能，L-N1正转，L-N2反转；或“黑-红”正转，“黑-黄”反转。
③代表-40/105℃可选，其他工作温度可定制。

Note : ①Optional T(terminal plug),L(lead wire,310mm,22AWG) or WA(alarm function).The alarm function adopts passive normally open contact.
②The function of corotation and reversion,L-N1 corotation,L-N2 reversion; or "black-red" corotation, "black-yellow" reversion.
③Optional-40/105℃,other operation temperature on request.

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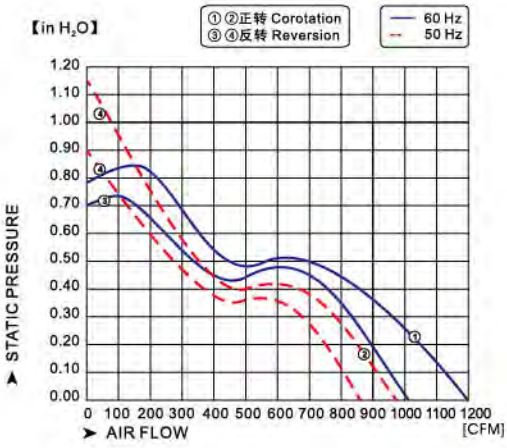
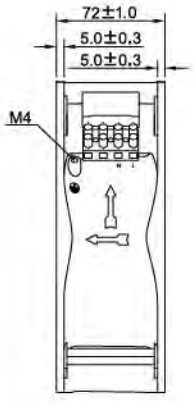
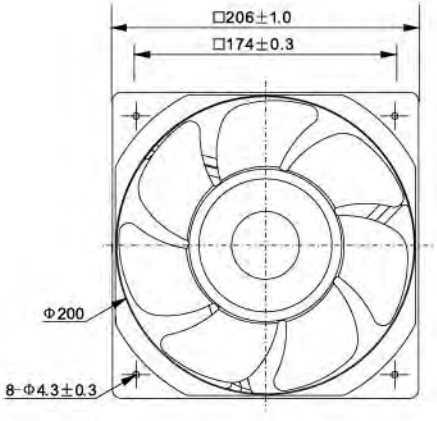
SF2072 Metal series

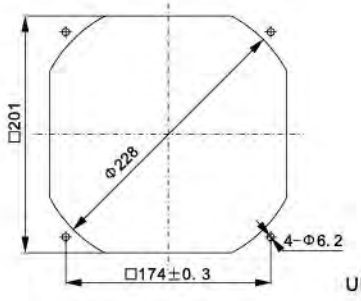
206×206×72mm







安装孔参考尺寸 Panel Out-cuts



UNITS: mm

Type 型号	P.N. 订货号	Bearing System 轴承类型	Nominal Voltage 电压 (VAC)	Freq 频率 (Hz)	Current 电流 (A)		Input Power 功率 (W)		Speed 转速 (RPM)	Air Flow 风量 (CFM)		Noise Level 噪音 (dB-A)	Operation Temperature 工作温度 ℃	Weight 重量 g
SF2072HA1	2072HA1BMW①	Ball	115	50/60	0.60/0.80		68/98		2900/3400	980/1200		65/69	-50/85③	2380
SF2072HA1	2072HA1BMWC②	Ball	115	50/60	0.60/0.80 (正转) corotation	0.55/0.61 (反转) reversion	68/98 (正转) corotation	56/60 (反转) reversion	2900/3400	980/1200 (正转) corotation	860/1010 (反转) reversion	65/69	-50/85③	2380
SF2072HA2	2072HA2BMW①	Ball	230	50/60	0.42/0.48		87/110		2900/3400	980/1200		65/69	-50/85③	2380
SF2072HA2	2072HA2BMWC②	Ball	230	50/60	0.42/0.48 (正转) corotation	0.34/0.38 (反转) reversion	87/110 (正转) corotation	65/86 (反转) reversion	2900/3400	980/1200 (正转) corotation	860/1010 (反转) reversion	65/69	-50/85③	2380
SF2072HA3	2072HA3BMW	Ball	380	50/60	0.12/0.13		61/80		2900/3400	980/1200		65/69	-50/85③	2380
附件:护网 型号/订货号:SF820B 见附录							Attachment: Finger Guard Type/P.N.:SF820B See appendix							

注释：①代表T(插片式)、L(拖线式，线长310mm，22AWG)、WA(报警功能)可选。报警功能采用无源常开触点。
②代表正反转功能，L-N1正转，L-N2反转；或“黑-红”正转，“黑-黄”反转。
③代表-40/105℃可选，其他工作温度可定制。

Note: ①Optional T(terminal plug),L(lead wire,310mm,22AWG) or WA(alarm function).The alarm function adopts passive normally open contact.
②The function of corotation and reversion,L-N1 corotation,L-N2 reversion; or "black-red" corotation, "black-yellow" reversion.
③Optional-40/105℃,other operation temperature on request.

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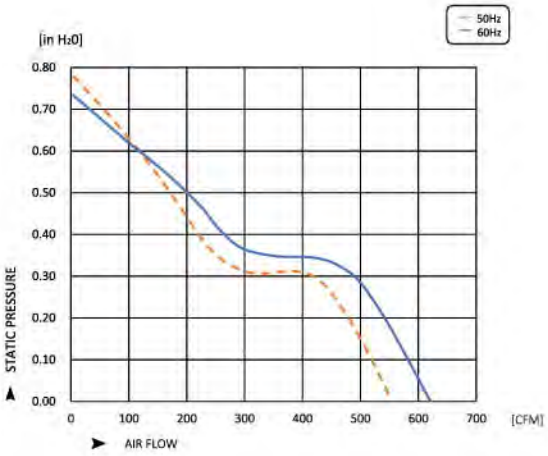
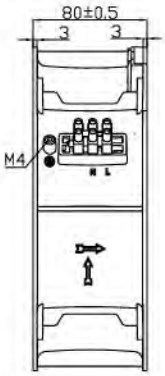
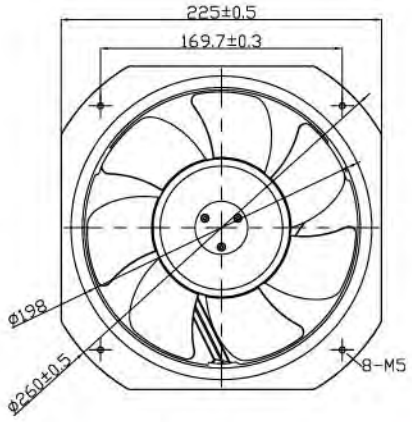
SF22580 Metal series

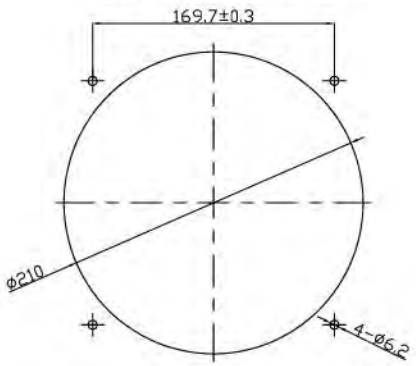
225×225×80mm







安装孔参考尺寸 Panel Out-cuts



UNITS:mm

Type 型号	P.N. 订货号	Bearing System 轴承类型	Nominal Voltage 电压 (VAC)	Freq 频率 (Hz)	Current 电流 (A)	Input Power 功率 (W)	Speed 转速 (RPM)	Air Flow 风量 (CFM)	Noise Level 噪音 (dB-A)	Operation Temperature 工作温度 ℃	Weight 重量 g
SF22580HA1	22580HA1BMW①	Ball	115	50/60	0.45/0.66	51/76	2700/3100	550/610	57/62	-50/85②	2130
SF22580HA2	22580HA2BMW①	Ball	230	50/60	0.24/0.35	54/79	2700/3100	550/610	57/62	-50/85②	2130
SF22580HA3	22580HA3BMW①	Ball	380	50	0.13	56	2700	550	57	-50/85②	2130
附件:护网 型号/订货号 MG200 见附录							Attachment Finger Guard Type/P.N: MG200 See appendix				

注释：①LA可选（LA代表报警功能，此款报警功能采用无源常开触点式，2条黄色报警线长310mm,22AWG。）
②代表-40/105℃可选，其他工作温度可定制。

Note: ①represent LA can be chosen(LA for the function of fan with warning signal output,adopting passive adherent point type,NO,two yellow warning wires with the length 310mm, 22AWG).
②Optional-40/105℃,other operation temperature on request.

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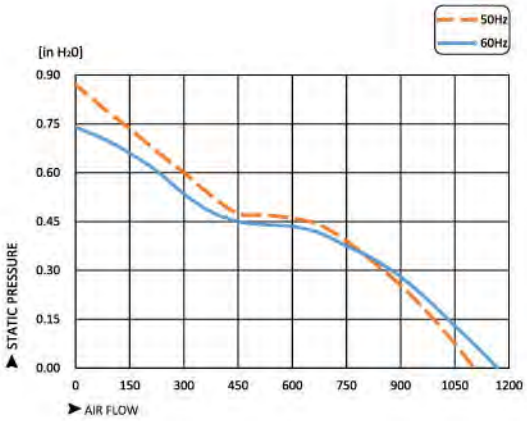
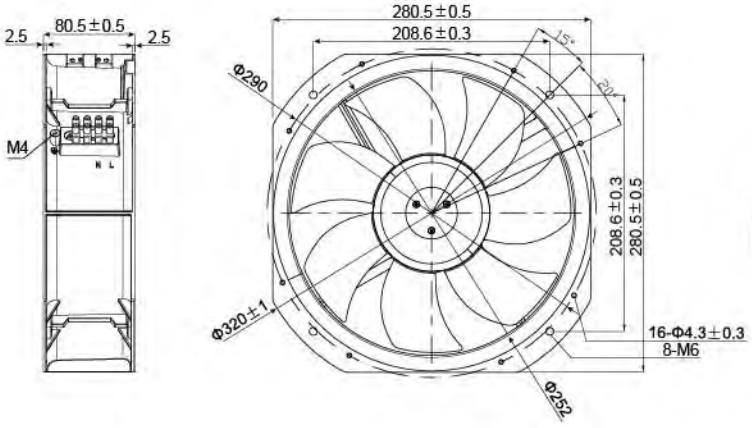
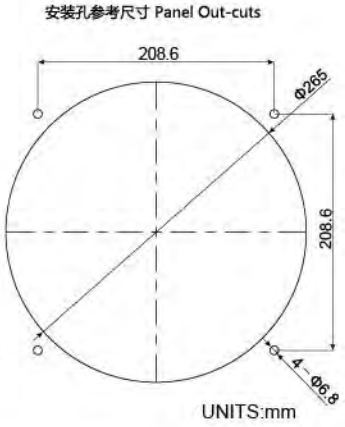
SF28080 Metal series

280×280×80mm







Type 型号	P.N. 订货号	Bearing System 轴承类型	Nominal Voltage 电压 (VAC)	Freq 频率 (Hz)	Current 电流 (A)	Input Power 功率 (W)	Speed 转速 (RPM)	Air Flow 风量 (CFM)	Noise Level 噪音 (dB-A)	Operation Temperature 工作温度 ℃	Weight 重量 g
SF28080HA1	28080HA1BMW①	Ball	115	50/60	1.10/1.29	100/150	2800/3200	1104/1168	69/70	-50/85②	3090
SF28080HA2	28080HA2BMW①	Ball	230	50/60	0.48/0.68	110/158	2800/3200	1104/1168	69/70	-50/85②	3090
SF28080HA3	28080HA3BMW①	Ball	380	50	0.23	112	2800	1104	69	-50/85②	3090
附件 护网 型号/订货号: MG280 见附录							Attachment Finger Guard Type/P.N. MG280 See appendix				

注释：①LA可选（LA代表报警功能，此款报警功能采用无源常开触点式，2条黄色报警线长310mm,22AWG。）
②代表-40/105℃可选，其他工作温度可定制。

Note: ①represent LA can be chosen(LA for the function of fan with warning signal output,adopting passive adherent point type,NO,two yellow warning wires with the length 310mm, 22AWG).
②Optional-40/105℃,other operation temperature on request.

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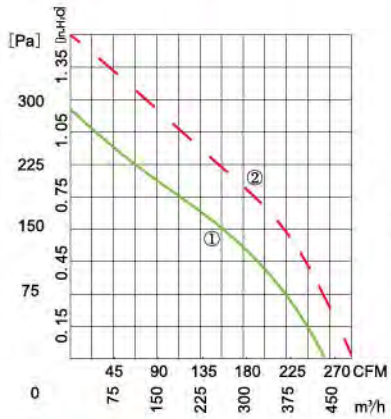
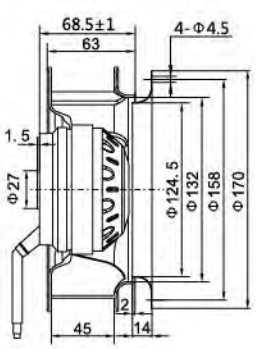
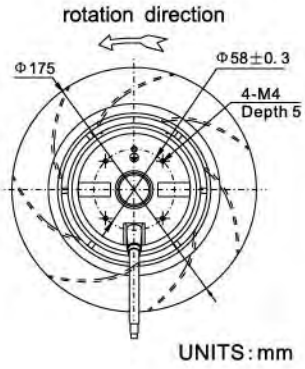
SF175-A 后向离心风机 Backward Centrifugal Fan

Φ175×63mm





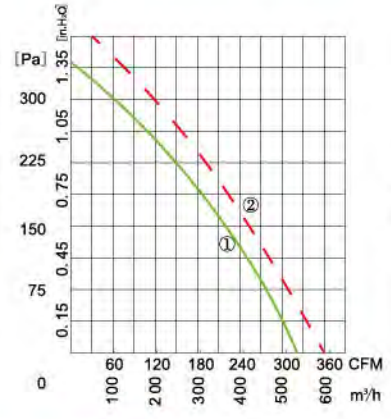


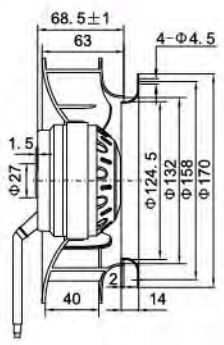
Type 型号	P.N. 订货号	Bearing System 轴承类型	Nominal Voltage 电压 (VAC)	Freq 频率 (Hz)	Current 电流 (A)	Input Power 功率 (W)	Speed 转速 (RPM)	Capacitor 电容 (μF)	Air Flow 风量 (CFM)	Noise Level 噪音 (dB-A)	Operation Temperature 工作温度 ℃	Curve No. 曲线号 #
SF175HA2B	175HA2BRAPL	Ball	230	50/60	0.24/0.32	52/66	2500/2700	1.5	253/288	64/66	-30/+60	①/②

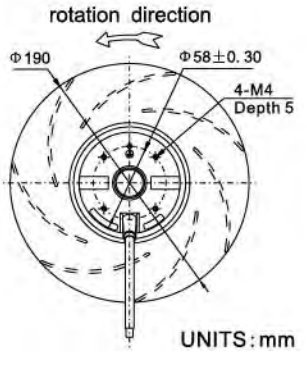
注释：接线图见附录3
Note:Wiring diagram in appendix No.3

SF190-A 后向离心风机 Backward Centrifugal Fan

Φ190×63mm







Type 型号	P.N. 订货号	Bearing System 轴承类型	Nominal Voltage 电压 (VAC)	Freq 频率 (Hz)	Current 电流 (A)	Input Power 功率 (W)	Speed 转速 (RPM)	Capacitor 电容 (μF)	Air Flow 风量 (CFM)	Noise Level 噪音 (dB-A)	Operation Temperature 工作温度 ℃	Curve No. 曲线号 #
SF190HA2B	190HA2BRAPL	Ball	230	50/60	0.27/0.35	60/76	2500/2700	2	320/360	65/68	-30/+60	①/②

注释：接线图见附录 3
Note:Wiring diagram in appendix No.3

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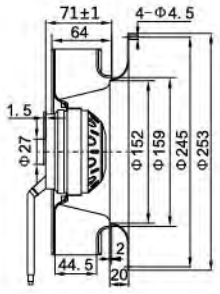
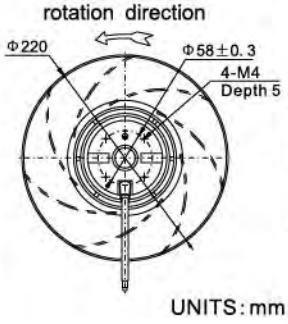
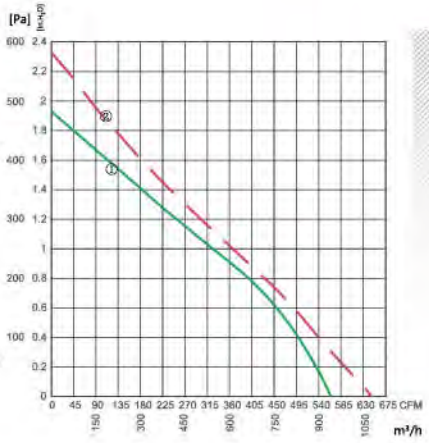
SF220-A 后向离心风机 Backward Centrifugal Fan

Φ220×64mm







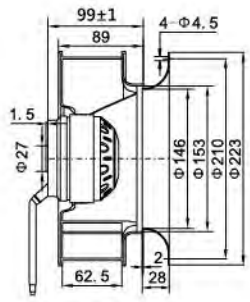
CE RoHS IP44

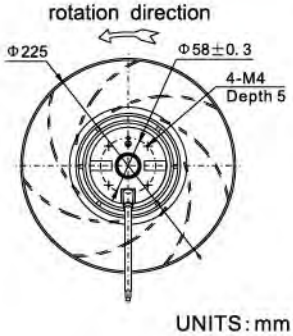
Type 型号	P.N. 订货号	Bearing System 轴承类型	Nominal Voltage 电压 (VAC)	Freq 频率 (Hz)	Current 电流 (A)	Input Power 功率 (W)	Speed 转速 (RPM)	Capacitor 电容 (μF)	Air Flow 风量 (CFM)	Noise Level 噪音 (dB-A)	Operation Temperature 工作温度 ℃	Curve No. 曲线号 #
SF220HA2B	220HA2BRAPL	Bal	230	50/60	0.41/0.46	90/100	2600/2800	2.5	535/570	69/72	-30/+60	①/②
SF220HA3B	220HA3BRAPL	Ball	380	50/60	0.22/0.23	95/115	2600/2800	/	535/570	69/72	-30/+60	①/②

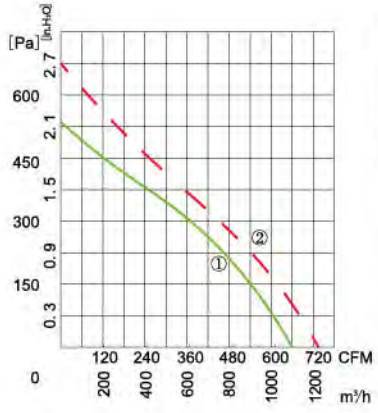
注释：接线图见附录 3
Note:Wiring diagram in appendix No.3

SF225-A 后向离心风机 Backward Centrifugal Fan

Φ225×89mm







c UL us CE RoHS IP44

Type 型号	P.N. 订货号	Bearing System 轴承类型	Nominal Voltage 电压 (VAC)	Freq 频率 (Hz)	Current 电流 (A)	Input Power 功率 (W)	Speed 转速 (RPM)	Capacitor 电容 (μF)	Air Flow 风量 (CFM)	Noise Level 噪音 (dB-A)	Operation Temperature 工作温度 ℃	Curve No. 曲线号 #
SF225HA2B	225HA2BRAPL	Ball	230	50/60	0.60/0.90	135/180	2600/2900	4	647/735	70/72	-30/+60	①/②
SF225HA3B	225HA3BRAPL	Ball	380	50/60	0.23/0.28	138/180	2600/2900	/	647/735	70/72	-30/+60	①/②

注释：接线图见附录 3
Note:Wiring diagram in appendix No.3

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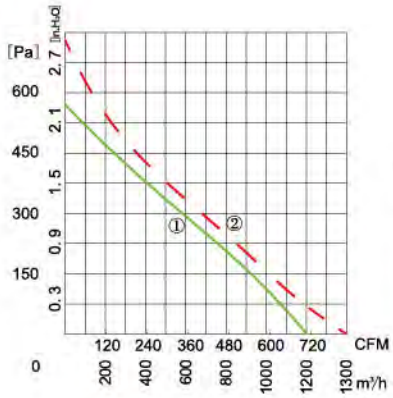
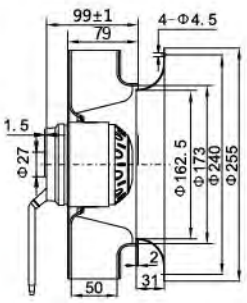
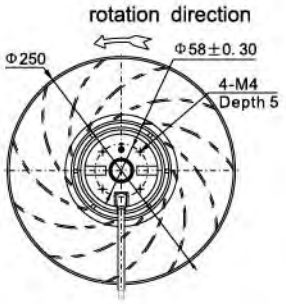
SF250-A 后向离心风机 Backward Centrifugal Fan

Φ250x79mm







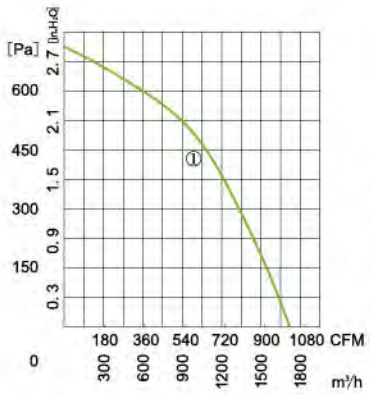
UNITS: mm

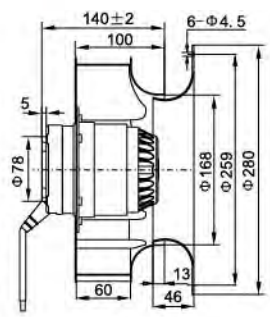
Type 型号	P.N. 订货号	Bearing System 轴承类型	Nominal Voltage 电压 (VAC)	Freq 频率 (Hz)	Current 电流 (A)	Input Power 功率 (W)	Speed 转速 (RPM)	Capacitor 电容 (μF)	Air Flow 风量 (CFM)	Noise Level 噪音 (dB-A)	Operation Temperature 工作温度 ℃	Curve No. 曲线号 #
SF250HA2B	250HA2BRAPL	Ball	230	50/60	0.60/0.74	135/170	2450/2600	4	720/676	68/70	-30/+60	①/②
SF250HA3B	250HA3BRAPL	Ball	380	50/60	0.26/0.27	115/145	2650/2900	/	720/676	68/70	-30/+60	①/②

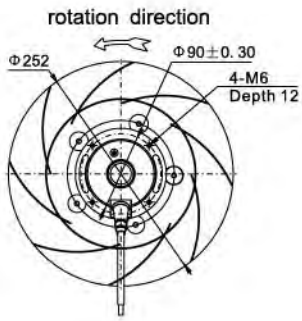
注释：接线图见附录 3
Note:Wiring diagram in appendix No.3

SF250-C 后向离心风机 Backward Centrifugal Fan

Φ250×100mm







UNITS: mm

Type 型号	P.N. 订货号	Bearing System 轴承类型	Nominal Voltage 电压 (VAC)	Freq 频率 (Hz)	Current 电流 (A)	Input Power 功率 (W)	Speed 转速 (RPM)	Capacitor 电容 (μF)	Air Flow 风量 (CFM)	Noise Level 噪音 (dB-A)	Operation Temperature 工作温度 ℃	Curve No. 曲线号 #
SF250HA2B	250HA2BRCML	Ball	230	50	1.2	290	2650	6	1000	76	-30/+60	①
SF250HA3B	250HA3BRCML	Ball	380	50	0.9	290	2800	/	1000	77	-30/+60	①

注释：接线图见附录 3

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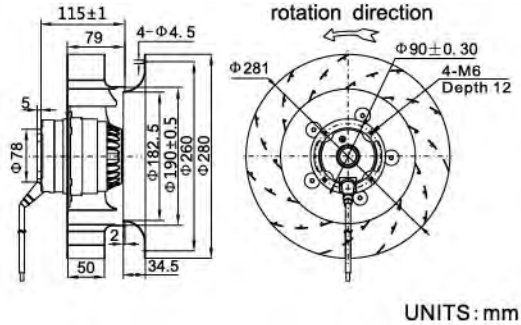
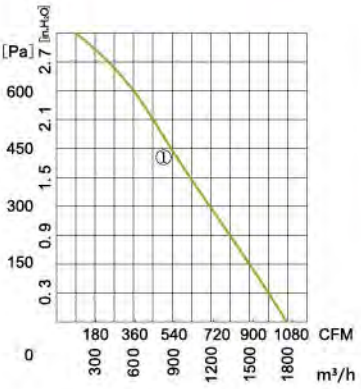
SF280-A 后向离心风机 Backward Centrifugal Fan

Φ280×80mm



UNITS: mm



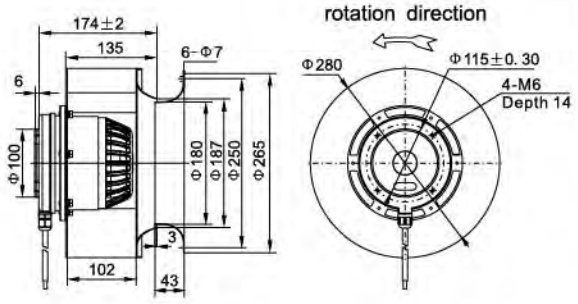
cULus CE RoHS IP54

Type 型号	P.N. 订货号	Bearing System 轴承类型	Nominal Voltage 电压 (VAC)	Freq 频率 (Hz)	Current 电流 (A)	Input Power 功率 (W)	Speed 转速 (RPM)	Capacitor 电容 (μF)	Air Flow 风量 (CFM)	Noise Level 噪音 (dB-A)	Operation Temperature 工作温度 ℃	Curve No. 曲线号 #
SF280HA2B	280HA2BRAML	Ball	230	50	1.2	250	2650	7	1046	80	-30/+60	①
SF280HA3B	280HA3BRAML	Ball	380	50	0.7	250	2650	/	1046	80	-30/+60	①

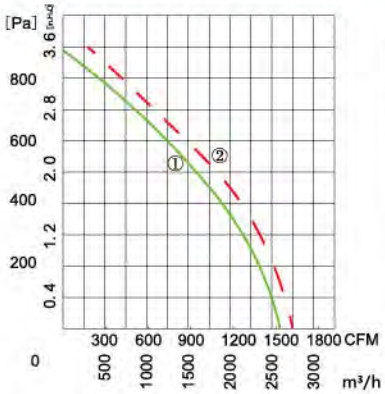
注释：接线图见附录 3
Note:Wiring diagram in appendix No.3

SF280-C 后向离心风机 Backward Centrifugal Fan

Φ280×135mm



UNITS: mm



cULus CE RoHS IP54

Type 型号	P.N. 订货号	Bearing System 轴承类型	Nominal Voltage 电压 (VAC)	Freq 频率 (Hz)	Current 电流 (A)	Input Power 功率 (W)	Speed 转速 (RPM)	Capacitor 电容 (μF)	Air Flow 风量 (CFM)	Noise Level 噪音 (dB-A)	Operation Temperature 工作温度 ℃	Curve No. 曲线号 #
SF280HA2B	280HA2BRCML	Ball	230	50	2.4	450	2750	16	1529	78	-30/+60	①
SF280HA3B	280HA3BRCML	Ball	380/400	50/60	0.95/1.60	410/680	2750/2900	/	1529/1588	78/80	-30/+60	①/②

注释：接线图见附录 3
Note:Wiring diagram in appendix No.3

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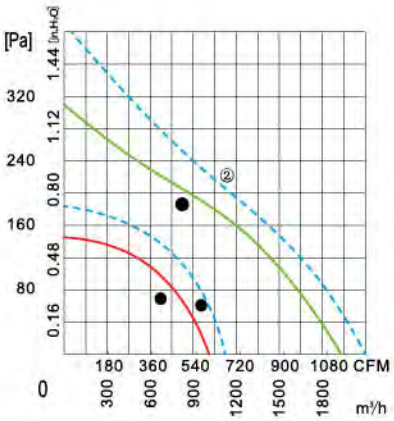
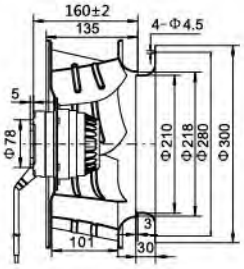
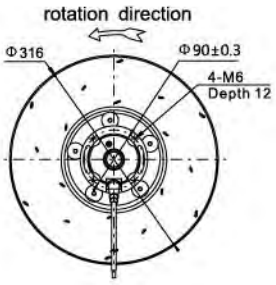
SF315-D 后向离心风机 Backward Centrifugal Fan

Φ315×135mm







UNITS: mm

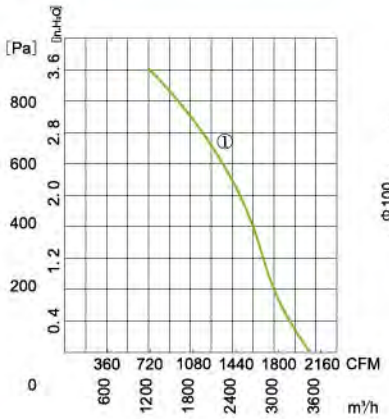
CE RoHS IP54

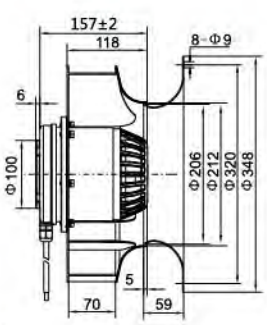
Type 型号	P.N. 订货号	Bearing System 轴承类型	Nominal Voltage 电压 (VAC)	Freq 频率 (Hz)	Current 电流 (A)	Input Power 功率 (W)	Speed 转速 (RPM)	Capacitor 电容 (μF)	Air Flow 风量 (CFM)	Noise Level 噪音 (dB-A)	Operation Temperature 工作温度 ℃	Curve No. 曲线号 #
SF315MA2B	315MA2BRDML	Ball	230	50/60	0.60/0.80	135/180	1400/1580	3	1117/1175	63/65	-30/+60	①/②
SF315LA2B	315LA2BRDML	Ball	230	50/60	0.38/0.42	75/85	940/1050	3	588/647	58/60	-30/+60	③/④
SF315MA3B	315MA3BRDML	Ball	380	50/60	0.35/0.40	136/175	1400/1580	/	1117/1175	63/65	-30/+60	①/②

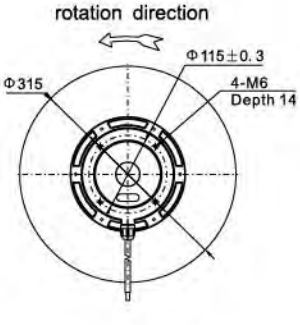
注释：接线图见附录 3
Note:Wiring diagram in appendix No.3

SF315-C 后向离心风机 Backward Centrifugal Fan

Φ315×118mm







UNITS: mm

CE RoHS IP54

Type 型号	P.N. 订货号	Bearing System 轴承类型	Nominal Voltage 电压 (VAC)	Freq 频率 (Hz)	Current 电流 (A)	Input Power 功率 (W)	Speed 转速 (RPM)	Capacitor 电容 (μF)	Air Flow 风量 (CFM)	Noise Level 噪音 (dB-A)	Operation Temperature 工作温度 ℃	Curve No. 曲线号 #
SF315HA3B	315HA3BRCML	Ball	380	50	1.5	800	2750	/	1941	84	-30/+60	①

注释：接线图见附录 3
Note:Wiring diagram in appendix No.3

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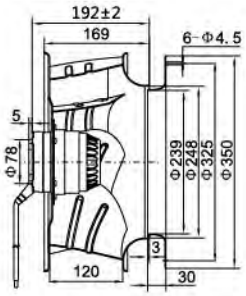
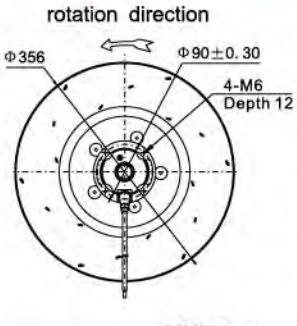
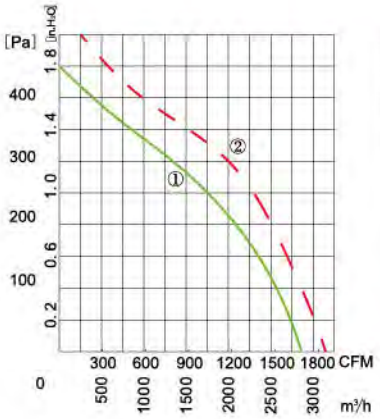
SF355-C 后向离心风机 Backward Centrifugal Fan

Φ355×169mm





UNITS:mm



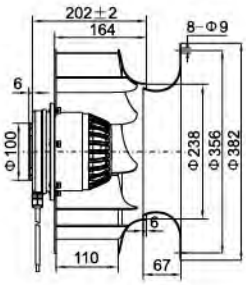
CE RoHS IP54

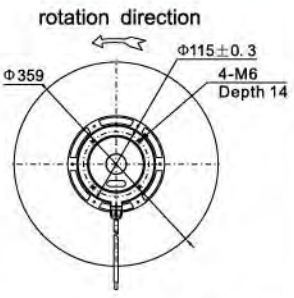
Type 型号	P.N. 订货号	Bearing System 轴承类型	Nominal Voltage 电压 (VAC)	Freq 频率 (Hz)	Current 电流 (A)	Input Power 功率 (W)	Speed 转速 (RPM)	Capacitor 电容 (μF)	Air Flow 风量 (CFM)	Noise Level 噪音 (dB-A)	Operation Temperature 工作温度 ℃	Curve No. 曲线号 #
SF355MA2B	355MA2BRCML	Ball	230	50/60	1.0/1.35	210/280	1350/1550	7/6	1647/1823	65/67	-30/+60	①/②
SF355MA3B	355MA3BRCML	Ball	380	50/60	0.53/0.55	200/270	1380/1600	/	1647/1823	65/67	-30/+60	①/②

注释：接线图见附录 3
Note:Wiring diagram in appendix No.3

SF355-B 后向离心风机 Backward Centrifugal Fan

Φ355×164mm





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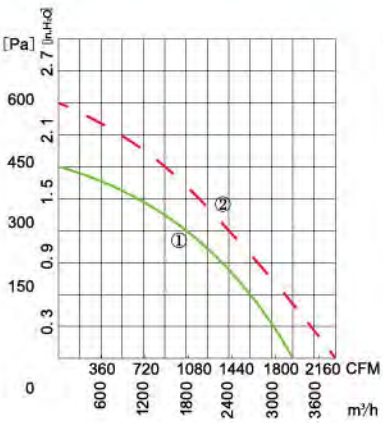

CE RoHS IP54

Type 型号	P.N. 订货号	Bearing System 轴承类型	Nominal Voltage 电压 (VAC)	Freq 频率 (Hz)	Current 电流 (A)	Input Power 功率 (W)	Speed 转速 (RPM)	Capacitor 电容 (μF)	Air Flow 风量 (CFM)	Noise Level 噪音 (dB-A)	Operation Temperature 工作温度 ℃	Curve No. 曲线号 #
SF355MA2B	355MA2BRBML	Ball	230	50/60	2.2/2.6	400/600	1400/1700	12	1941/2294	72/77	-30/+75	①/②
SF355MA3B	355MA3BRBML	Ball	380	50/60	1.0/1.1	360/550	1450/1700	/	1941/2294	72/77	-30/+75	①/②

注释：接线图见附录 3
Note:Wiring diagram in appendix No.3

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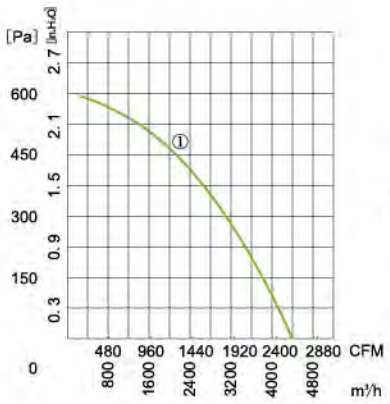
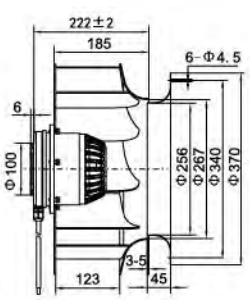
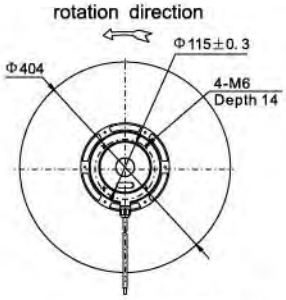
SF400-B 后向离心风机 Backward Centrifugal Fan

Φ400×185mm







UNITS: mm

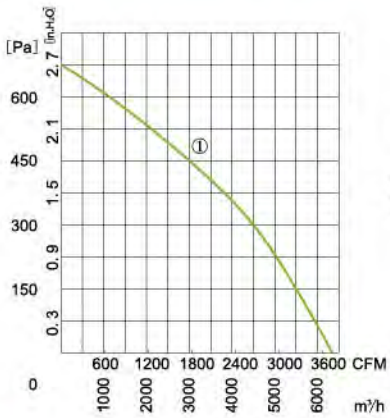
CE RoHS IP54

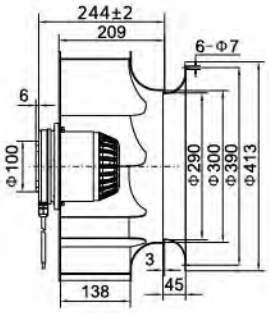
Type 型号	P.N. 订货号	Bearing System 轴承类型	Nominal Voltage 电压 (VAC)	Freq 频率 (Hz)	Current 电流 (A)	Input Power 功率 (W)	Speed 转速 (RPM)	Capacitor 电容 (μF)	Air Flow 风量 (CFM)	Noise Level 噪音 (dB-A)	Operation Temperature 工作温度 ℃	Curve No. 曲线号 #
SF400MA2B	400MA2BRBML	Ball	230	50	2.5	550	1380	10	2588	69	-30/+75	①
SF400MA3B	400MA3BRBML	Ball	380	50	1.2	550	1370	/	2588	69	-30/+75	①

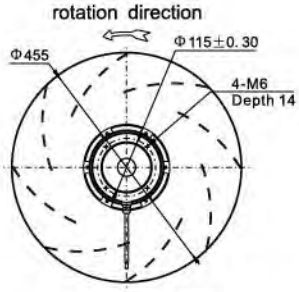
注释：接线图见附录 3
Note:Wiring diagram in appendix No.3

SF450-B 后向离心风机 Backward Centrifugal Fan

Φ450×209mm







UNITS: mm

CE RoHS IP54

Type 型号	P.N. 订货号	Bearing System 轴承类型	Nominal Voltage 电压 (VAC)	Freq 频率 (Hz)	Current 电流 (A)	Input Power 功率 (W)	Speed 转速 (RPM)	Capacitor 电容 (μF)	Air Flow 风量 (CFM)	Noise Level 噪音 (dB-A)	Operation Temperature 工作温度 ℃	Curve No. 曲线号 #
SF450MA3B	450MA3BRBML	Ball	380	50	1.5	550	1350	/	3941	79	-30/+60	①

注释：接线图见附录 3
Note:Wiring diagram in appendix No.3

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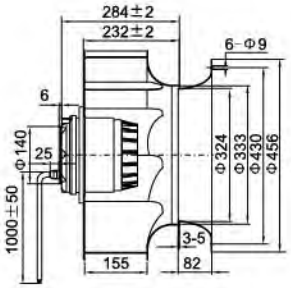
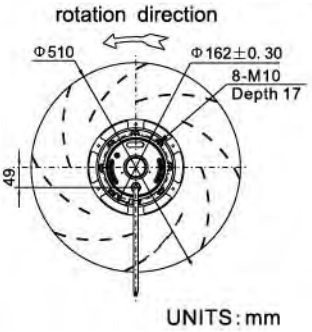
SF500-A 后向离心风机 Backward Centrifugal Fan

Φ500×234mm





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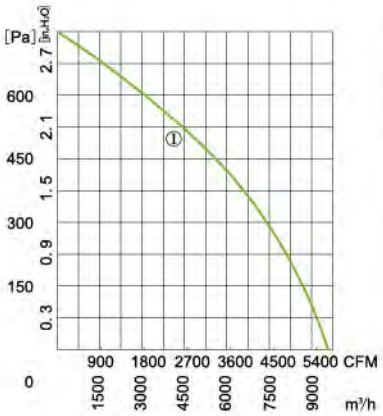


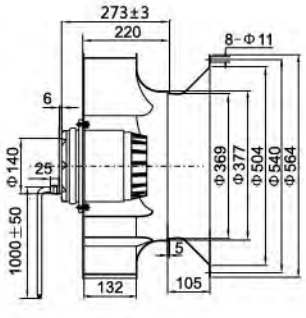
CE RoHS IP54

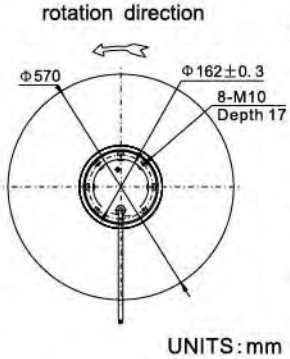
Type 型号	P.N. 订货号	Bearing System 轴承类型	Nominal Voltage 电压 (VAC)	Freq 频率 (Hz)	Current 电流 (A)	Input Power 功率 (W)	Speed 转速 (RPM)	Capacitor 电容 (μF)	Air Flow 风量 (CFM)	Noise Level 噪音 (dB-A)	Operation Temperature 工作温度 ℃	Curve No. 曲线号 #
SF500MA3B	500MA3BRAML	Ball	380	50	2.6	1500	1400	/	5588	80	-30/+60	①

注释：接线图见附录 3
Note:Wiring diagram in appendix No.3

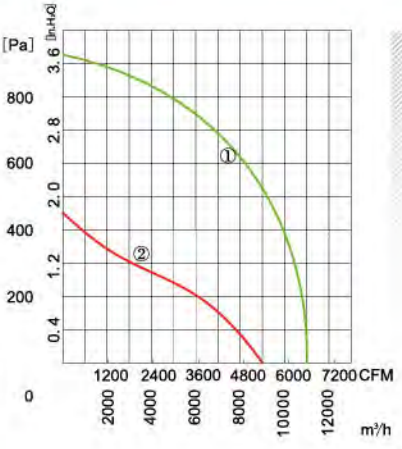
SF560-A 后向离心风机 Backward Centrifugal Fan

Φ560×220mm





UNITS: mm



CE RoHS IP54

Type 型号	P.N. 订货号	Bearing System 轴承类型	Nominal Voltage 电压 (VAC)	Freq 频率 (Hz)	Current 电流 (A)	Input Power 功率 (W)	Speed 转速 (RPM)	Capacitor 电容 (μF)	Air Flow 风量 (CFM)	Noise Level 噪音 (dB-A)	Operation Temperature 工作温度 ℃	Curve No. 曲线号 #
SF560MA3B	560MA3BRAML	Ball	380	50	4.5	2500	1350	/	6470	85	-30/+60	①
SF560LA3B	560LA3BRAML	Ball	380	50	1.8	900	910	/	5294	73	-30/+60	②

注释：接线图见附录 3
Note:Wiring diagram in appendix No.3

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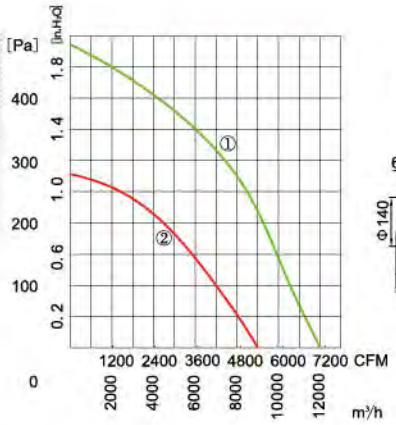
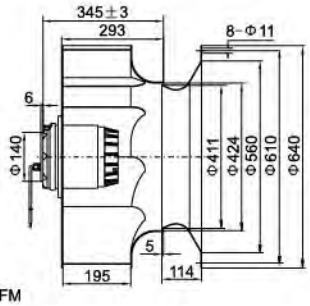
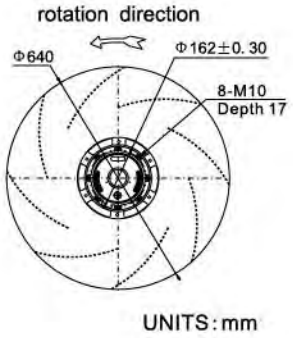
SF630-A 后向离心风机 Backward Centrifugal Fan

Φ630×293mm







CE RoHS IP54

Type 型号	P.N. 订货号	Bearing System 轴承类型	Nominal Voltage 电压 (VAC)	Freq 频率 (Hz)	Current 电流 (A)	Input Power 功率 (W)	Speed 转速 (RPM)	Capacitor 电容 (μF)	Air Flow 风量 (CFM)	Noise Level 噪音 (dB-A)	Operation Temperature 工作温度 ℃	Curve No. 曲线号 #
SF630MA3B	630MA3BRAML	Ball	380	50	3.8	1500	900	/	7059	80	-30/+60	①
SF630LA3B	630LA3BRAML	Ball	380	50	1.7	700	700	/	5294	72	-30/+60	②

注释：接线图见附录 3
Note:Wiring diagram in appendix No.3

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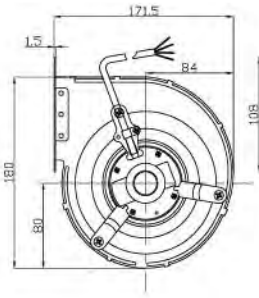
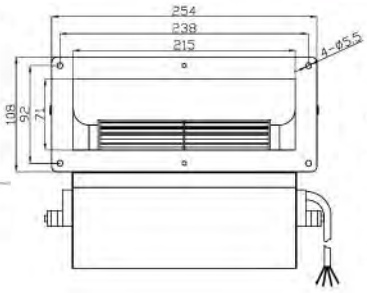
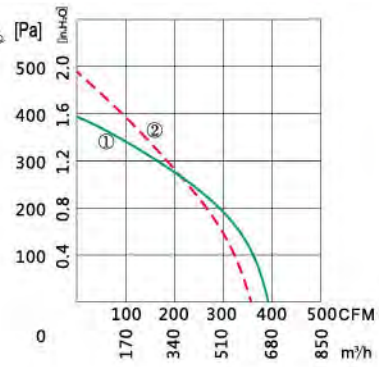
SF133-A 前向离心风机 Forward Centrifugal Fan

Φ133×190mm





UNITS: mm



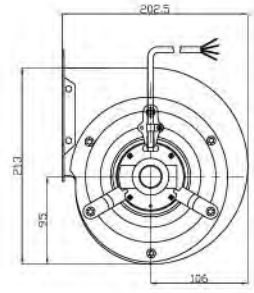
cULus CE RoHS IP44

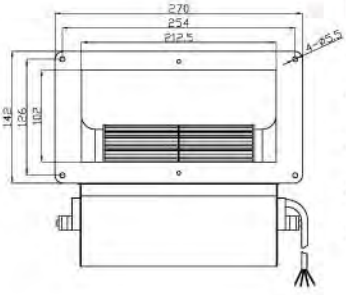
Type 型号	P.N. 订货号	Bearing System 轴承类型	Nominal Voltage 电压 (VAC)	Freq 频率 (Hz)	Current 电流 (A)	Input Power 功率 (W)	Speed 转速 (RPM)	Capacitor 电容 (μF)	Air Flow 风量 (CFM)	Noise Level 噪音 (dB-A)	Operation Temperature 工作温度 ℃	Curve No. 曲线号 #
SF133HA2F	133HA2FDAMLF	Ball	230	50/60	0.80/0.90	180/210	1610/1520	5	390/361	56/55	-25/+60	①/②
SF133HA3F	133HA3FDAMLF	Ball	380	50	0.42	115	1610	/	390	56	-25/+60	①

注释：接线图见附录 3
Note:Wiring diagram in appendix No.3

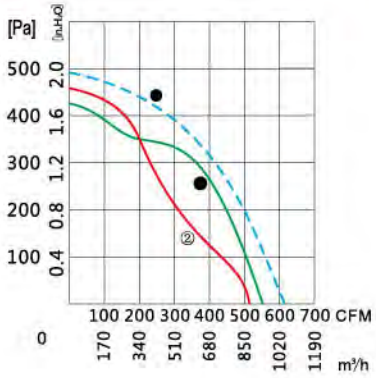
SF146-A/B 前向离心风机 Forward Centrifugal Fan

Φ146×190mm





UNITS: mm



cULus CE RoHS IP44

Type 型号	P.N. 订货号	Bearing System 轴承类型	Nominal Voltage 电压 (VAC)	Freq 频率 (Hz)	Current 电流 (A)	Input Power 功率 (W)	Speed 转速 (RPM)	Capacitor 电容 (μF)	Air Flow 风量 (CFM)	Noise Level 噪音 (dB-A)	Operation Temperature 工作温度 ℃	Curve No. 曲线号 #
SF146HA1F	146HA1FDAMLF	Ball	115	60	1.5	200	1380	20	550	53	-25/+60	①
SF146HA2F	146HA2FDAMLF	Ball	230	50/60	0.80/0.90	180/205	1380/1300	5	550/515	53/52	-25/+60	①/②
SF146HA3F	146HA3FDAMLF	Ball	380	50	0.3	100	1380	/	550	53	-25/+60	①
SF146HA2F	146HA2FDBMLF	Ball	230	50	1.21	265	1650	8	615	58	-25/+60	③

注释：接线图见附录 3
Note:Wiring diagram in appendix No.3

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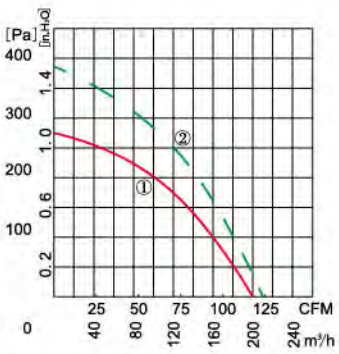
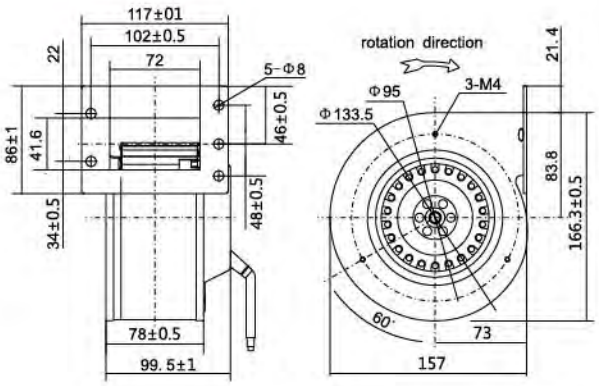
SF120-A 前向离心风机 Forward Centrifugal Fan

Φ120×60mm





UNITS:mm

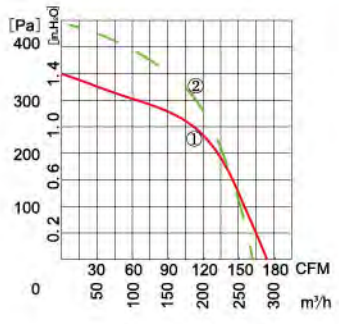
CE RoHS IP44

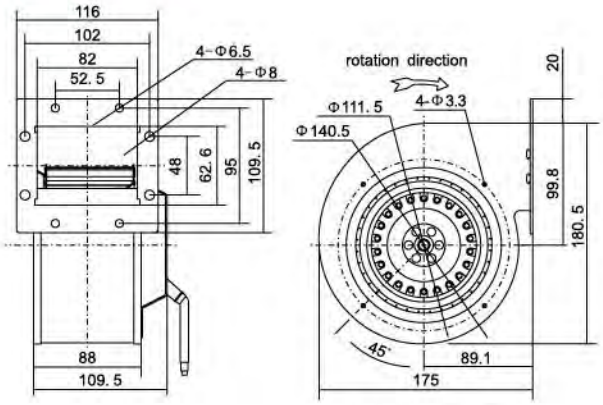
Type 型号	P.N. 订货号	Bearing System 轴承类型	Nominal Voltage 电压 (VAC)	Freq 频率 (Hz)	Current 电流 (A)	Input Power 功率 (W)	Speed 转速 (RPM)	Capacitor 电容 (μF)	Air Flow 风量 (CFM)	Noise Level 噪音 (dB-A)	Operation Temperature 工作温度 ℃	Curve No. 曲线号 #
SF120HA2F	120HA2FGAMLF	Ball	230	50/60	0.27/0.33	58/73	2400/2500	1.5	120/124	51/53	-30/+60	①/②

注释：接线图见附录 3
Note:Wiring diagram in appendix No.3

SF133-A 前向离心风机 Forward Centrifugal Fan

Φ133×73mm





UNITS:mm

CE RoHS IP44

Type 型号	P.N. 订货号	Bearing System 轴承类型	Nominal Voltage 电压 (VAC)	Freq 频率 (Hz)	Current 电流 (A)	Input Power 功率 (W)	Speed 转速 (RPM)	Capacitor 电容 (μF)	Air Flow 风量 (CFM)	Noise Level 噪音 (dB-A)	Operation Temperature 工作温度 ℃	Curve No. 曲线号 #
SF133HA2F	133HA2FGAMLF	Ball	230	50/60	0.37/0.43	83/95	1850/1750	2	170/160	61/63	-30/+60	①/②

注释：接线图见附录 3
Note:Wiring diagram in appendix No.3

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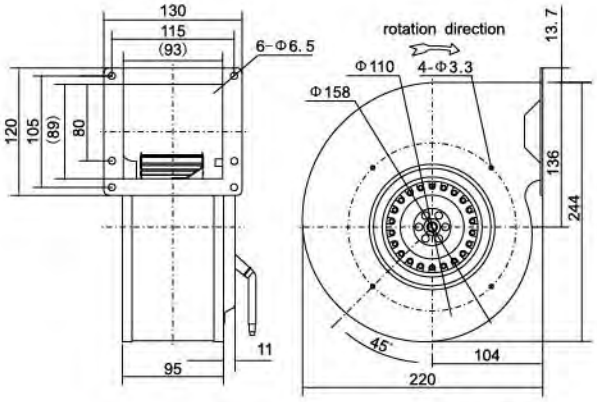
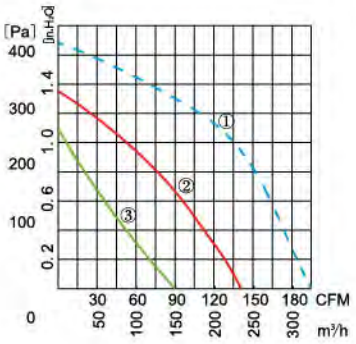
SF140-A 前向离心风机 Forward Centrifugal Fan

Φ140×60mm





UNITS: mm

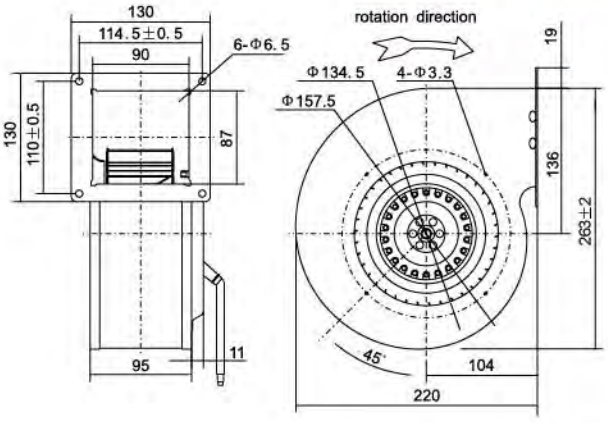
CE RoHS 3SPEED IP44

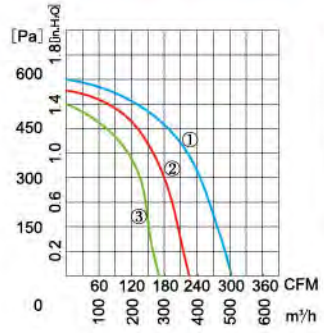
Type 型号	P.N. 订货号	Bearing System 轴承类型	Nominal Voltage 电压 (VAC)	Freq 频率 (Hz)	Current 电流 (A)	Input Power 功率 (W)	Speed 转速 (RPM)	Capacitor 电容 (μF)	Air Flow 风量 (CFM)	Noise Level 噪音 (dB-A)	Operation Temperature 工作温度 ℃	Curve No. 曲线号 #
					0.40	90	1400	2	211	52	-30/+60	①
SF140HA2F	140HA2FGAPLF-3	Ball	230	50	0.30	60	850	2	117	40	-30/+60	②
					0.25	50	600	2	88	32	-30/+60	③

注释：接线图见附录 3
Note:Wiring diagram in appendix No.3

SF160-B 前向离心风机 Forward Centrifugal Fan

Φ160×70mm





UNITS: mm

CE RoHS 3SPEED IP44

Type 型号	P.N. 订货号	Bearing System 轴承类型	Nominal Voltage 电压 (VAC)	Freq 频率 (Hz)	Current 电流 (A)	Input Power 功率 (W)	Speed 转速 (RPM)	Capacitor 电容 (μF)	Air Flow 风量 (CFM)	Noise Level 噪音 (dB-A)	Operation Temperature 工作温度 ℃	Curve No. 曲线号 #
					1.00	220	1800	4	300	61	-30/+60	①
SF160HA2F	160HA2FGBPLF-3	Ball	230	50	0.90	190	1300	4	220	54	-30/+60	②
					0.75	160	1000	4	165	47	-30/+60	③

注释：接线图见附录 3
Note:Wiring diagram in appendix No.3

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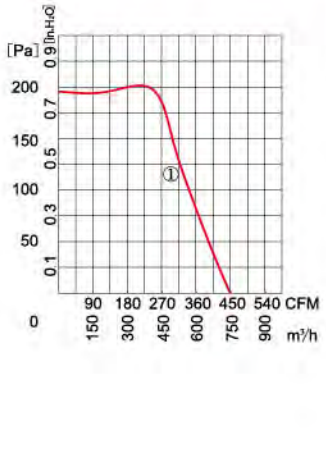
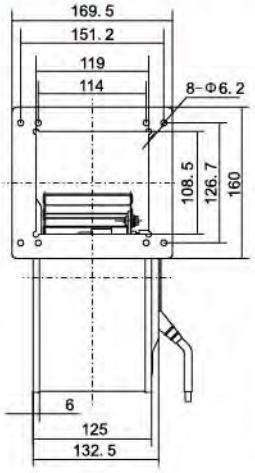
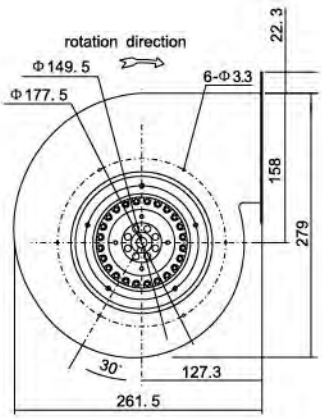
SF180-A 前向离心风机 Forward Centrifugal Fan

Φ180×92mm







UNITS: mm

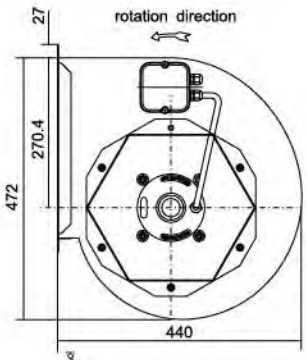
CE RoHS IP54

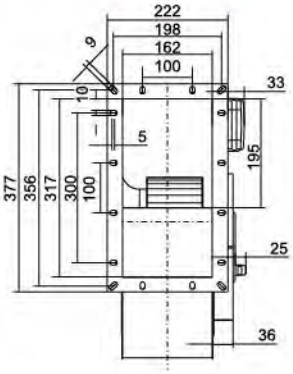
Type 型号	P.N. 订货号	Bearing System 轴承类型	Nominal Voltage 电压 (VAC)	Freq 频率 (Hz)	Current 电流 (A)	Input Power 功率 (W)	Speed 转速 (RPM)	Capacitor 电容 (μF)	Air Flow 风量 (CFM)	Noise Level 噪音 (dB-A)	Operation Temperature 工作温度 ℃	Curve No. 曲线号 #
SF180MA2F	180MA2FGAMLF	Ball	230	50	0.7	135	1330	3	441	63	-30/+60	①

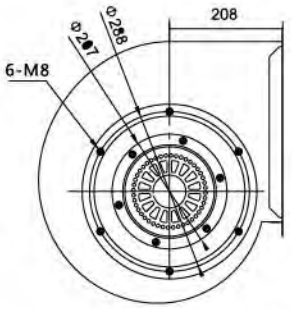
注释：接线图见附录 3
Note:Wiring diagram in appendix No.3

SF250-A 前向离心风机 Forward Centrifugal Fan

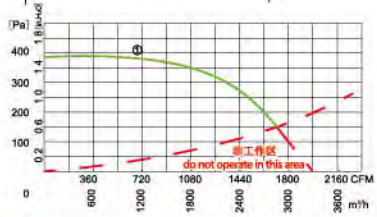
Φ250×102mm







UNITS: mm



CE RoHS IP54

Type 型号	P.N. 订货号	Bearing System 轴承类型	Nominal Voltage 电压 (VAC)	Freq 频率 (Hz)	Current 电流 (A)	Input Power 功率 (W)	Speed 转速 (RPM)	Capacitor 电容 (μF)	Air Flow 风量 (CFM)	Noise Level 噪音 (dB-A)	Operation Temperature 工作温度 ℃	Curve No. 曲线号 #
SF250MA3F	250MA3FGAMBF	Ball	380	50	1.60	850	1350	/	1941	80	-30/+60	①

注释：接线图见附录 3
Note:Wiring diagram in appendix No.3

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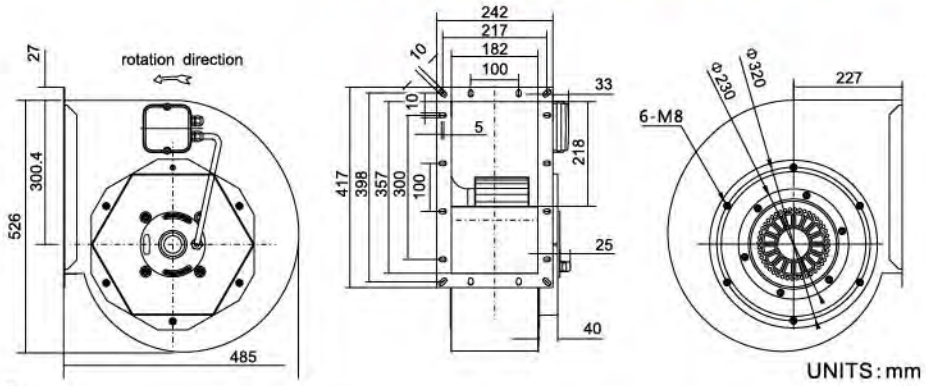
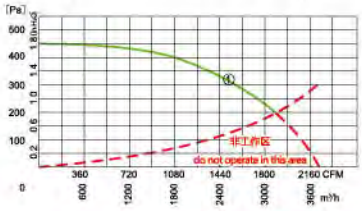
SF280-C 前向离心风机 Forward Centrifugal Fan

Φ280×155mm





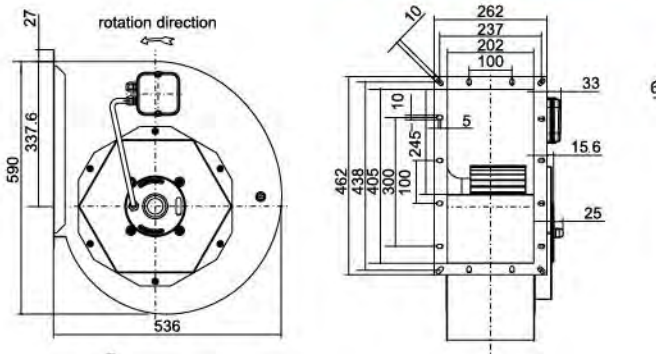
CE RoHS IP54

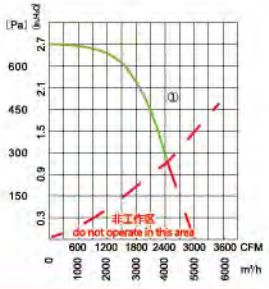
Type 型号	P.N. 订货号	Bearing System 轴承类型	Nominal Voltage 电压 (VAC)	Freq 频率 (Hz)	Current 电流 (A)	Input Power 功率 (W)	Speed 转速 (RPM)	Capacitor 电容 (μF)	Air Flow 风量 (CFM)	Noise Level 噪音 (dB-A)	Operation Temperature 工作温度 ℃	Curve No. 曲线号 #
SF280MA3F	280MA3FGCMBF	Ball	380	50	2.50	1400	1400	/	2176	82	-30/+60	①

注释：接线图见附录 3
Note:Wiring diagram in appendix No.3

SF315-A 前向离心风机 Forward Centrifugal Fan

Φ315×150mm





CE RoHS IP54

Type 型号	P.N. 订货号	Bearing System 轴承类型	Nominal Voltage 电压 (VAC)	Freq 频率 (Hz)	Current 电流 (A)	Input Power 功率 (W)	Speed 转速 (RPM)	Capacitor 电容 (μF)	Air Flow 风量 (CFM)	Noise Level 噪音 (dB-A)	Operation Temperature 工作温度 ℃	Curve No. 曲线号 #
SF315MA3F	315MA3FGAMBF	Ball	380	50	3.70	2200	1350	/	2941	85	-30/+60	①

注释：接线图见附录 3
Note:Wiring diagram in appendix No.3

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源顶电气SOTOP过滤器系列
SOTOP ' S FILTERS

11系列过滤器的创新设计：

1、免工具抽屉式轻松快捷更换过滤垫 (图1)

2、弧度式栏栅设计更有效反射出去外来的水花，浇筑式密封圈，系统防护达**IP55**（图2/3）

3、无需螺丝四角卡扣式免工具安装（图3）

4、节能导风设计，从而提升通风量（图4）

Innovative design of 11 series filters

1、Patented hinge system,easily replace filter mat without tools(Figure 1)

2、IP55(Figure 2/3)

3、4 stuck feet self-locking,fastening without screws(Figure 3)

4、Energy saving ventilation design to increase ventilation(Figure 4)

定制化产品或个性化需求，请联系我们！您的任何问题和需求都是我们创新的源泉！
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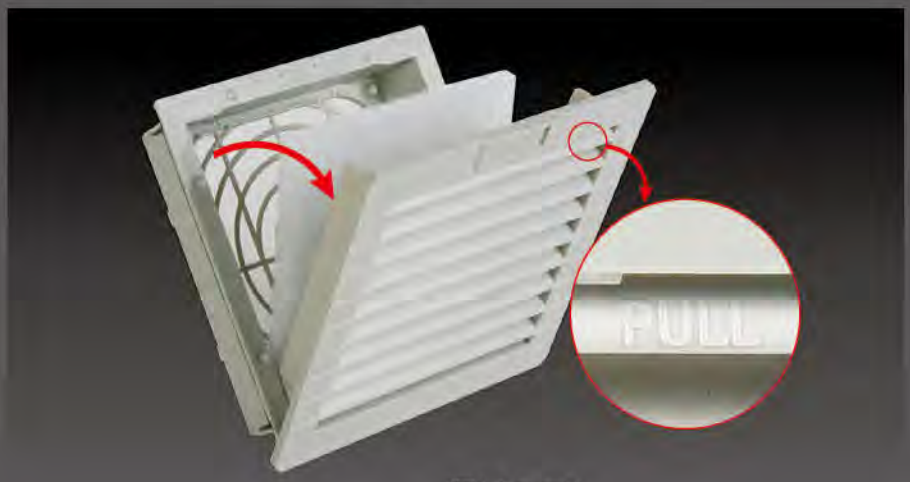


(图1 Figure1)

(图2 Figure 2)

(图3 Figure 3)

(图4 Figure 4)

产品订货号说明
Part number description

116H F 2072HA2BMT - I

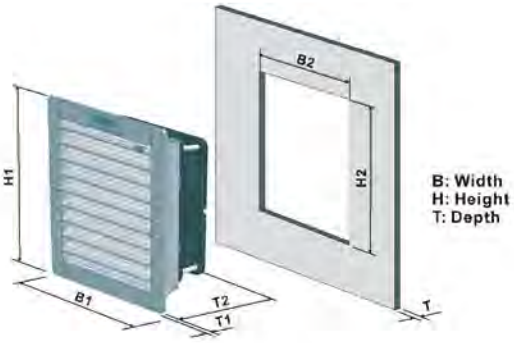
- 116H — 通风过滤器代码 Key For Filter
- F — 通风过滤器功能代码 Key For Function Of Filter
  - F-阻燃Flame Retardant
  - S-低烟无卤Low Smoke No Halogen
  - W-耐候weather-resistant
- 2072HA2BMT — 风扇订货号 P.N. Of Fan
- I — 风向 Airflow direction
  - I-进风air-in
  - O-出风air-out

SOTOP
www. sotopelectric.com

11系列过滤器 11 Series Filters
SVF112 / SFF112

▲ SVF112
通风过滤器 / Ventilator Filter

▲ SFF112
风扇过滤器 / Fan Filter



- 四角多扣式自锁设计，无需工具轻松安装
- 专利铰链机构设计，轻松更换过滤垫
- 浇注式密封圈，更完美的密封性
- 外框选用进口优质树脂，添加难燃抗紫外线材料，低烟无卤、耐候、UL94-V0可选
- 防护等级为IP55

- 4 stuck feet self-locking,fastening without screws
- Patented hinge system,easily replace filter mat without tools
- Pouring seal for perfect sealability
- Resin of the frame with UV-resistant, optional LSZH,weather-resistant,UL94-V0
- Protection type : IP 55

CE RoHS IP55 LSZH 低烟无卤

通风过滤器 Ventilator Filter

型号 Type	订货号 Part Number	防护等级 IP	过滤效率 Filtration efficiency	尺寸 Sizes(mm)				工作温度 Operation temperature	重量 Weight	颜色 Color
				B1/H1	B2/H2	T1	T2			
SVF112	SVF112H	IP55	88%	109	92*	4	18	-30~70℃	60g	RAL7035
附件 - 过滤垫 Attachment: filter mat										
型号/Type: SFM112				订货号/Part Number: SFM112H						IP55

■注释：*适用于T≤2mm, 当2mm<T≤3mm, B2/H2增加1mm ■Note : For T≤2mm,+ 1 mm for T > 2 mm ≤ 3 mm

风扇过滤器 Fan Filter

型号 Type	订货号 Part Number	电气参数 Electrical parameters									重量 Weight (g)
		防护等级 IP	轴承类型 Bearing System	电压 Nominal Voltage	频率 Frequency (Hz)	电流 Current (A)	功率 Input power (W)	噪音 Noise Level dB(A)	无阻力风量 Air Flow (CFM)	深度 Depth T2(mm)	
SFF112	112H8025HA2*PL#	IP55	B/S	230①VAC	50/60	0.07/0.06	14.0/13.5	29/33	11/14	48	300
	112H9225HA2*PT#		B/S			0.05/0.05	14.0/13.5	32/37	18/22	48.5	310
	112H8038HA2*PT#		B/S			0.10/0.09	18.0/16.0	31/35	15/17	61	350
	112H9238HA2BPT#		B/S			0.16/0.11	15.0/11.0	38/43	24/28	61.5	500
	112H8025MD4*BLS#		B/S	24①VDC		0.60	14.4	36	25	48	130

■注释： *="S"或"B"(S代表含油轴承,B代表滚珠轴承)
#="O"或"I"(O代表出风，I代表进风)
①表示110/380VAC,12/48VDC可选，其他电压可定制。

■Note : *="S"or"B"(S for sleeve bearing,B for ball bearings).
#="O"or "I" (O for air-out, I for air-in)
①Optional 110/380VAC,12/48VDC other voltage on request

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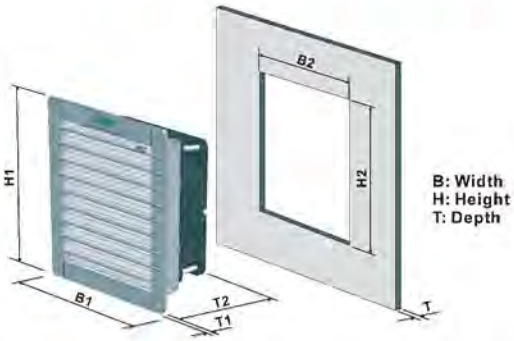
11系列过滤器 11 Series Filters
SVF113 / SFF113

▲ SVF113
通风过滤器 / Ventilator Filter

▲ SFF113
风扇过滤器 / Fan Filter



- 四角多扣式自锁设计，无需工具轻松安装
- 专利铰链机构设计，轻松更换过滤垫
- 浇注式密封圈，更完美的密封性
- 外框选用进口优质树脂，添加难燃抗紫外线材料，低烟无卤、耐候、UL94-V0可选
- 防护等级为IP55

- 4 stuck feet self-locking,fastening without screws
- Patented hinge system,easily replace filter mat without tools
- Pouring seal for perfect sealability
- Resin of the frame with UV-resistant, optional LSZH,weather-resistant,UL94-V0
- Protection type : IP 55

CE RoHS IP55 LSZH 低烟无卤

通风过滤器 Ventilator Filter

型号 Type	订货号 Part Number	防护等级 IP	过滤效率 Filtration efficiency	尺寸 Sizes(mm)				工作温度 Operation temperature	重量 Weight	颜色 Color
				B1/H1	B2/H2	T1	T2			
SVF113	SVF113H	IP55	88%	145	124*	5	28	-30~70℃	120g	RAL7035
附件：过滤垫 Attachment: filter mat										
型号/Type: SFM113				订货号/Part Number: SFM113H						IP55

- 注释：*适用于T≤2mm, 当2mm<T≤3mm, B2/H2增加1mm
- Note : For T≤2mm,+ 1 mm for T > 2 mm ≤ 3 mm

风扇过滤器 Fan Filter

型号 Type	订货号 Part Number	电气参数 Electrical parameters									重量 Weight (g)
		防护等级 IP	轴承类型 Bearing System	电压 Nominal Voltage	频率 Frequency (Hz)	电流 Current (A)	功率 Input power (W)	噪音 Noise Level dB(A)	无阻力风量 Air Flow (CFM)	深度 Depth T2(mm)	
SFF113	113H1225HA2*PT#	IP55	B/S	230① VAC	50/60	0.08/0.07	17/15	36/37	40/47	62	420
	113H1238HA2*MT#		B/S			0.16/0.12	18/16	42/47	59/72	75	650
	113H1225XD4BCLS#		B/S	24①VDC		0.60	14.4	45	41	62	280

- 注释： *="S"或"B"(S代表含油轴承,B代表滚珠轴承)
  #="O"或"I"(O代表出风，I代表进风)
  ①表示110/380VAC,12/48VDC可选，其他电压可定制。
- Note : *="S"or"B"(S for sleeve bearing,B for ball bearings).
  #="O"or "I"(O for air-out, I for air-in)
  ①Optional 110/380VAC,12/48VDC other voltage on request

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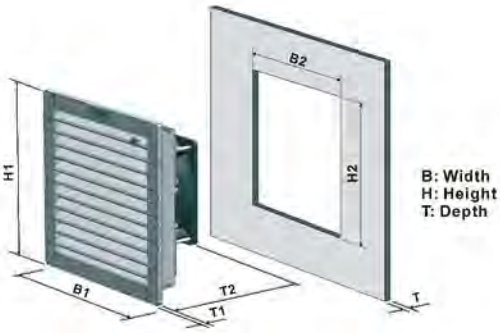
11系列过滤器 11 Series Filters
SVF114 / SFF114

▲ SVF114
通风过滤器 / Ventilator Filter

▲ SFF114
风扇过滤器 / Fan Filter



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- 专利铰链机构设计，轻松更换过滤垫
- 浇注式密封圈，更完美的密封性
- 外框选用进口优质树脂，添加难燃抗紫外线材料，低烟无卤、耐候、UL94-V0可选
- 防护等级为IP55

- 4 stuck feet self-locking,fastening without screws
- Patented hinge system,easily replace filter mat without tools
- Pouring seal for perfect sealability
- Resin of the frame with UV-resistant, optional LSZH,weather-resistant,UL94-V0
- Protection type : IP 55

CE RoHS IP55 LSZH 低烟无卤

通风过滤器 Ventilator Filter

型号 Type	订货号 Part Number	防护等级 IP	过滤效率 Filtration efficiency	尺寸 Sizes(mm)				工作温度 Operation temperature	重量 Weight	颜色 Color
				B1/H1	B2/H2	T1	T2			
SVF114	SVF114H	IP55	88%	202	177*	6	36	-30~70℃	260g	RAL7035
附件：过滤垫 Attachment: filter mat										
型号/Type: SFM114				订货号/Part Number: SFM114H						IP55

■注释：*适用于T≤2mm, 当2mm<T≤2.8mm, B2/H2增加1mm ■Note : For T≤2mm,+ 1 mm for T > 2 mm ≤2.8 mm

风扇过滤器 Fan Filter

型号 Type	订货号 Part Number	电气参数 Electrical parameters									重量 Weight (g)
		防护等级 IP	轴承类型 Bearing System	电压 Nominal Voltage	频率 Frequency (Hz)	电流 Current (A)	功率 Input power (W)	噪音 Noise Level dB(A)	无阻力风量 Air Flow (CFM)	深度 Depth T2(mm)	
SFF114	114H1225HA2*PT#	IP55	B/S	230①VAC	50/60	0.08/0.07	17/15	36/37	46/55	79	610
	114H1238HA2*MT#		B/S			0.16/0.12	18/16	42/47	69/84	92	850
	114H1725HA2*MT#		B/S			0.21/0.19	32/30	48/51	144/158	98	1280
	114H17255HA2BMT#		B			0.13/0.12	28/30	51/55	177/210	102	1550
	114H1225XD4BCLS#		B/S	24①VDC		0.60	14.4	45	73	79	420
带导风罩通风过滤器 Ventilator Filter with air duct											
型号/Type SFF114C				订货号/P. N. : SFF114C115H & SFF114C147H						IP55	

■注释： *="S"或"B"(S代表含油轴承,B代表滚珠轴承)
#="O"或"I"(O代表出风，I代表进风)
①表示110/380VAC,12/48VDC可选，其他电压可定制。

■ Note : *="S"or"B"(S for sleeve bearing,B for ball bearings).
#="O"or "I"（O for air-out, I for air-in)
①Optional 110/380VAC,12/48VDC other voltage on request

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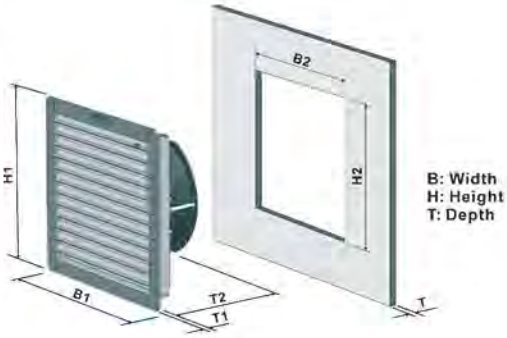
11系列过滤器 11 Series Filters
SVF115 / SFF115

▲ SVF115
通风过滤器 / Ventilator Filter

▲ SFF115
风扇过滤器 / Fan Filter



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- 外框选用进口优质树脂，添加难燃抗紫外线材料，低烟无卤、耐候、UL94-V0可选
- 防护等级为IP55

- 4-corner latching,fastening without screws
- patented hinge system for simplest possible handing,easily insert filter mat
- Pouring seal
- Resin with UV- resistant for the frame, optional LSZH,weather-resistant,UL94-V0
- System of protection IP 55

CE RoHS IP55 LSZH 低烟无卤

通风过滤器 Ventilator Filter

型号 Type	订货号 Part Number	防护等级 IP	过滤效率 Filtration efficiency	尺寸 Sizes(mm)				工作温度 Operation temperature	重量 Weight	颜色 Color
				B1/H1	B2/H2	T1	T2			
SVF115	SVF115H	IP55	88%	252	224*	6	38	-30~70℃	410g	RAL7035
附件：过滤垫 Attachment: filter mat										
型号/Type: SFM115				订货号/Part Number: SFM115H						IP55

- 注释：*适用于T≤2mm，当2mm<T≤3mm，B2/H2增加1mm
- Note：For T≤2mm,+ 1 mm for T > 2 mm ≤ 3 mm

风扇过滤器 Fan Filter

型号 Type	订货号 Part Number	电气参数 Electrical parameters									重量 Weight (g)
		防护等级 IP	轴承类型 Bearing System	电压 Nominal Voltage	频率 Frequency (Hz)	电流 Current (A)	功率 Input power (W)	噪音 Noise Level dB(A)	无阻力风量 Air Flow (CFM)	深度 Depth T2(mm)	
SFF115	115H1725HA2*MT#	IP55	B/S	230① VAC	50/60	0.21/0.19	32/30	48/51	174/191	113	1500
	115H17255HA2BMT#		B			0.13/0.12	28/30	51/55	215/255	117	1750
	115H1806HA2BMT#		B			0.18/0.24	47/66	57/62	340/391	128	2355
	115H2072HA2BMW#		B			0.41/0.55	87/110	65/69	790/970	112	2840
	115H1724XD4BALS#		B	24①VDC		1.5	36	54	136	101	1060
带导风罩通风过滤器 Ventilator Filter with air duct											
型号/Type SFF115C		订货号/P. N. : SFF115C147H & SFF115C174H									IP55

- 注释：*="S"或"B"(S代表含油轴承,B代表滚珠轴承)
  #="O"或"I"(O代表出风，I代表进风)
  ①表示110/380VAC,12/48VDC可选，其他电压可定制。
- Note：*="S"or"B"(S for sleeve bearing,B for ball bearings).
  #="O"or "I" (O for air-out, I for air-in)
  ①Optional 110/380VAC,12/48VDC other voltage on request

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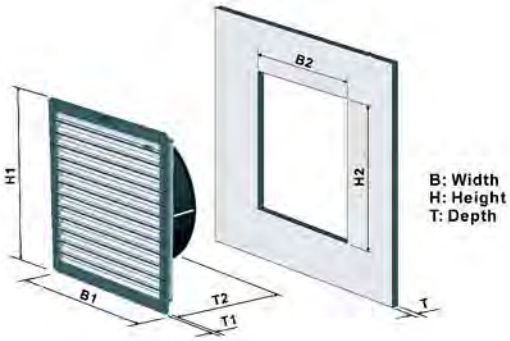
11系列过滤器 11 Series Filters
SVF116 / SFF116

▲ SVF116
通风过滤器 / Ventilator Filter

▲ SFF116
风扇过滤器 / Fan Filter



- 四角多扣式自锁设计，无需工具轻松安装
- 专利铰链机构设计，轻松更换过滤垫
- 浇注式密封圈，更完美的密封性
- 外框选用进口优质树脂，添加难燃抗紫外线材料，低烟无卤、耐候、UL94-V0可选
- 防护等级为IP55

- 4 stuck feet self-locking,fastening without screws
- Patented hinge system,easily replace filter mat without tools
- Pouring seal for perfect sealability
- Resin of the frame with UV-resistant, optional LSZH,weather-resistant,UL94-V0
- Protection type : IP 55

CE RoHS IP55 LSZH 低烟无卤

通风过滤器 Ventilator Filter

型号 Type	订货号 Part Number	防护等级 IP	过滤效率 Filtration efficiency	尺寸 Sizes(mm)				工作温度 Operation temperature	重量 Weight	颜色 Color
				B1/H1	B2/H2	T1	T2			
SVF116	SVF116H	IP55	88%	320	292*	6	40	-30~70℃	670g	RAL7035
附件：过滤垫 Attachment: filter mat										
型号/Type: SFM116				订货号/Part Number: SFM116H						IP55

■注释：*适用于T≤2mm, 当2mm<T≤3mm, B2/H2增加1mm

■Note : For T≤2mm,+ 1 mm for T > 2 mm ≤ 3 mm

风扇过滤器 Fan Filter

型号 Type	订货号 Part Number	电气参数 Electrical parameters									重量 Weight (g)
		防护等级 IP	轴承类型 Bearing System	电压 Nominal Voltage (VAC)	频率 Frequency (Hz)	电流 Current (A)	功率 Input power (W)	噪音 Noise Level dB(A)	无阻力风量 Air Flow (CFM)	深度 Depth T2(mm)	
SFF116	116H2206HA2BMT#	IP55	B	230①	50/60	0.21/0.26	47/58	60/63	366/417	122	2420
	116H2208HA2BMT#		B			0.25/0.34	58/81	65/68	476/493	142	3020
	116H2509HA2BMT#		B			0.36/0.42	57/80	64/66	570/629	150	3300
	116H2072HA2BMW#		B			0.41/0.55	87/110	65/69	833/1020	133	3270
	116H28080HA2BMW#		B			0.60/0.74	126/148	69/70	933/986	119	3040
带导风罩通风过滤器 Ventilator Filter with air duct											
型号/Type SFF116C		订货号/P. N. : SFF116C200H & SFF116C233H&SFF116C265H									IP55

■注释： #="O"或"I"(O代表出风，I代表进风)
①表示110VAC和380VAC可选，其他电压可定制。

■Note : #="O" or "I" (O for air-out, I for air-in)
①Optional 110/380VAC,12/48VDC other voltage on request

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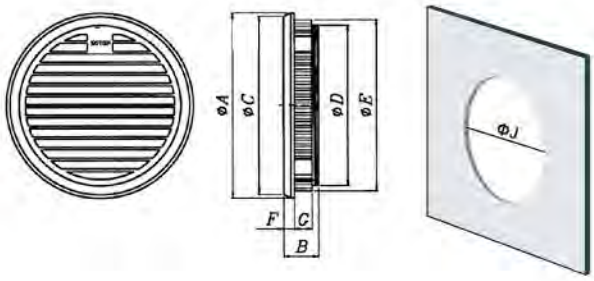
10系列过滤器 10 Series Filters
SVF101/102 & SFF101/102

▲ SVF101/102
通风过滤器 / Ventilator Filter

▲ SFF101/102
风扇过滤器 / Fan Filter



- 过滤器采用大螺母锁紧设计，可免工具安装
- 外框选用进口优质树脂，添加难燃抗紫外线材料，UL94-V0可选
- 防护等级可达IP54

- Fastening without screws
- Resin with UV-resistant for the frame,optional UL94-V0
- System of protection IP 54

CE RoHS IP54

通风过滤器 Ventilator Filter

型号 Type	订货号 Part Number	尺寸 Sizes(mm)								过滤效率 Filtration efficiency	工作温度 Operation temperature	重量 Weight	颜色 Color
		ΦA	B	ΦC	ΦD	ΦE	F	G	ΦJ				
SVF101	SVF101	105	22.5	101	88.8	97	6	10	90	88%	-15~60°C	60g	RAL7035
SVF102	SVF102	120	22.5	116	100.8	109	6	10	102	88%	-15~60°C	80g	RAL7035

附件：过滤垫 Attachment: filter mat

型号Type	订货号 Part Number
SFM101	SFM101
SFM102	SFM102

风扇过滤器 Fan Filter

型号 Type	订货号 Part Number	电气参数 Electrical parameters							重量 Weight (g)
		轴承类型 Bearing System	电压 Nominal Voltage (VAC)	频率 Frequency (Hz)	电流 Current (A)	功率 Input power (W)	噪音 Noise Level dB(A)	无阻力风量 Air Flow (CFM)	
SFF101	1018025HA2*PL	B/S	230①	50/60	0.07/0.06	14.0/13.5	29/33	10/12	290
	1018038HA2*PT	B/S			0.11/0.10	18.0/16.0	31/35	13/17	300
SFF102	1029225HA2*PT	B/S			0.07/0.06	14.0/13.5	32/37	17/21	320
	1029238HA2*PT	B/S			0.16/0.11	15.0/11.0	38/43	24/28	430

附件：联络组件 Attachment: Contact components

型号Type	订货号 Part Number
SFF101C	SFF101C
SFF102C	SFF102C

- 注释：*="S"或"B"(S代表含油轴承, B代表滚珠轴承)
  ① 110VAC和380VAC可选，其他电压可定制。
- Note：*="S"or"B"(S for sleeve bearing,B for ball bearings).
  ①Optional 110/380VAC,12/48VDC other voltage on request

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过滤网组专用防雨罩
Rain-Resistance Hood

▲ SRH121/122
防雨罩 / Rain resistance hood

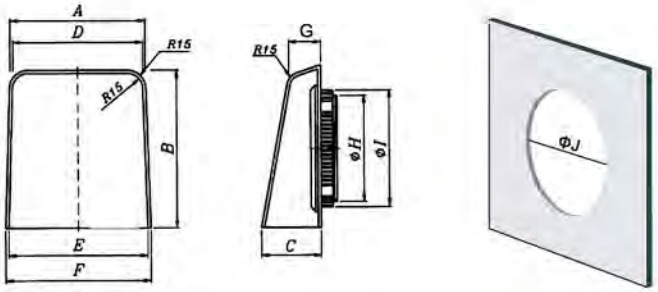
- 配合SVF101/102和SFF101/102使用，免工具安装
- 外框选用户外专用进口优质耐候树脂，UL94-V0可选
- 防护等级可达IP55

- Assembling with SVF101/102 or SFF101/102,fastening without screws
- AES resin with UV-resistant for the frame, optional UL94-V0
- System of protection IP 55

CE RoHS IP55

防雨罩 Rain resistance hood														
型号 Type	订货号 Part Number	尺寸 Sizes(mm)										工作温度 Operation temperature	重量 Weight	颜色 Color
		A	B	C	D	E	F	G	ΦH	ΦI	ΦJ			
SRH-121	SRH-121	110	130	50	100	110	120	30	88.8	97	90	-30~70℃	70g	RAL7035
SRH-122	SRH-122	125	140	50	115	125	135	30	100.8	109	102	-30~70℃	100g	RAL7035

附件：通风过滤器 Ventilator Filter	
型号Type	订货号 Part Number
SVF101	SVF101
SVF102	SVF102



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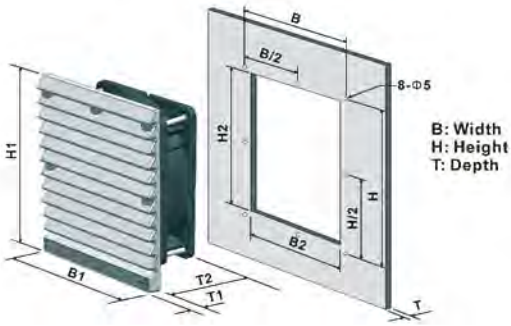
10系列过滤器 10 Series Filters
SVF103 / SFF103

▲ SVF103
通风过滤器 / Ventilator Filter

▲ SFF103
风扇过滤器 / Fan Filter



- 全新卡扣式自锁设计，可免螺丝安装
- 外框选用进口优质树脂，添加难燃抗紫外线材料, UL94-V0可选
- 防护等级可达IP54

- Snap-lock design,mounting without screws
- Resin with UV-resistant for the frame,optional UL94-V0
- System of protection IP 54

CE RoHS IP54

通风过滤器 Ventilator Filter

型号 Type	订货号 Part Number	尺寸Sizes(mm)						过滤效率 Filtration efficiency	工作温度 Operation temperature	重量 Weight	颜色 Color
		B1/H1	B2/H2	T1	B/H	Φ	T2				
SVF103	SVF103	148	121.5*	13.5	131	5	15.5	88%	-15~60℃	140g	RAL7035
		*1.0≤板厚T<1.3, B2/H2=121.$_0^{+0.2}$,可免螺丝安装mounting without screws 1.3≤板厚T≤1.5,B2/H2=121.5$_0^{+0.2}$, 可免螺丝安装mounting without screws									

附件：过滤垫 Attachment: filter mat

型号Type	订货号 Part Number
SFM103	SFM103

风扇过滤器 Fan Filter

型号 Type	订货号 Part Number	电气参数 Electrical parameters							T2 (mm)	重量 Weight (g)
		轴承类型 Bearing System	电压 Nominal Voltage (VAC)	频率 Frequency (Hz)	电流 Current (A)	功率 Input power (W)	噪音 Noise Level dB(A)	无阻力风量 Air Flow (CFM)		
SFF103	1031225HA2*PT	B/S	230①	50/60	0.08/0.07	17/15	36/37	40/47	49.5	440
	1031238HA2*MT	B/S			0.16/0.12	18/16	42/47	59/72	62.5	660

- 注释：*="S"或"B"(S代表含油轴承, B代表滚珠轴承)
  ① 表示110VAC和380VAC可选，其他电压可定制。
- Note：*="S"or"B"(S for sleeve bearing,B for ball bearings).
  ①Optional 110/380VAC,12/48VDC other voltage on request

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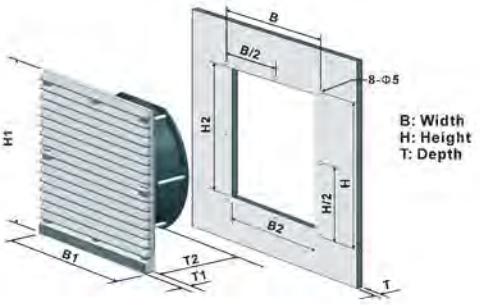
10系列过滤器 10 Series Filters
SVF104 / SFF104

▲ SVF104
通风过滤器 / Ventilator Filter

▲ SFF104
风扇过滤器 / Fan Filter



- 全新卡扣式自锁设计，可免螺丝安装
- 外框选用进口优质树脂，添加难燃抗紫外线材料, UL94-V0可选
- 防护等级可达IP54

- Snap-lock design,mounting without screws
- Resin with UV-resistant for the frame,optional UL94-V0
- System of protection IP 54

CE RoHS IP54

通风过滤器 Ventilator Filter

型号 Type	订货号 Part Number	尺寸Sizes(mm)						过滤效率 Filtration efficiency	工作温度 Operation temperature	重量 Weight	颜色 Color
		B1/H1	B2/H2	T1	B/H	Φ	T2				
SVF104	SVF104	204	174*	13.5	184	5	15.5	88%	-15~60°C	250g	RAL7035
		*1.5≤板厚T<1.8, B2/H2=173.5$_{0}^{+0.2}$,可免螺丝安装mounting without screws 1.8≤板厚T≤2.0,B2/H2=174$_{0}^{+0.2}$, 可免螺丝安装mounting without screws									

附件：过滤垫 Attachment: filter mat

型号Type	订货号 Part Number
SFM104	SFM104

风扇过滤器 Fan Filter

型号 Type	订货号 Part Number	电气参数 Electrical parameters							T2 (mm)	重量 Weight (g)
		轴承类型 Bearing System	电压 Nominal Voltage (VAC)	频率 Frequency (Hz)	电流 Current (A)	功率 Input power (W)	噪音 Noise Level dB(A)	无阻力风量 Air Flow (CFM)		
SFF104	1041225HA2*PT	B/S	230①	50/60	0.08/0.07	17/15	36/37	36/42	49.5	560
	1041238HA2*MT	B/S			0.16/0.12	18/16	42/47	59/72	62.5	820
	1041725HA2*MT	B/S			0.21/0.19	32/30	48/51	129/142	75.5	1200
	10417255HA2BMT	B			0.13/0.12	28/30	51/55	159/189	79.5	1540

- 注释：*=S或B(S代表含油轴承, B代表滚珠轴承)
  ①110VAC和380VAC可选，其他电压可定制。
- Note：*=″S"or"B"(S for sleeve bearing,B for ball bearings).
  ①Optional 110/380VAC,12/48VDC other voltage on request

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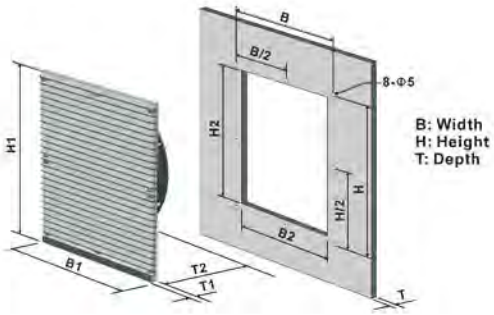
10系列过滤器 10 Series Filters
SVF105 / SFF105

▲ SVF105
通风过滤器 / Ventilator Filter

▲ SFF105
风扇过滤器 / Fan Filter



- 全新卡扣式自锁设计，可免螺丝安装
- 外框选用进口优质树脂，添加难燃抗紫外线材料, UL94-V0可选
- 防护等级可达IP54
- Snap-lock design,mounting without screws
- Resin with UV-resistant for the frame,optional UL94-V0
- System of protection IP 54

CE RoHS IP54

通风过滤器 Ventilator Filter

型号 Type	订货号 Part Number	尺寸Sizes(mm)						过滤效率 Filtration efficiency	工作温度 Operation temperature	重量 Weight	颜色 Color
		B1/H1	B2/H2	T1	B/H	Φ	T2				
SVF105	SVF105	255	224.5*	13.5	233	5	15.5	88%	-15~60°C	350g	RAL7035
		*1.5≤T<1.8, B2/H2=224$_{0}^{+0.2}$,可免螺丝安装mounting without screws 1.8≤T≤2.0,B2/H2=224.5$_{0}^{+0.2}$, 可免螺丝安装mounting without screws									

附件：过滤垫 Attachment: filter mat

型号Type	订货号 Part Number
SFM105	SFM105

风扇过滤器 Fan Filter

型号 Type	订货号 Part Number	电气参数 Electrical parameters							T2 (mm)	重量 Weight (g)
		轴承类型 Bearing System	电压 Nominal Voltage (VAC)	频率 Frequency (Hz)	电流 Current (A)	功率 Input power (W)	噪音 Noise Level dB(A)	无阻力风量 Air Flow (CFM)		
SFF105	1051725HA2*MT	B/S	230①	50/60	0.21/0.19	32/30	48/51	133/146	75.5	1330
	10517255HA2BMT	B			0.13/0.12	28/30	51/55	164/195	79.5	1600
	1051806HA2BMT	B			0.18/0.24	47/66	57/62	288/331	90.5	2270
	1052206HA2BMT	B			0.21/0.26	47/58	60/63	327/372	86.5	1960
	1052208HA2BMT	B			0.25/0.34	58/81	65/68	426/441	106.5	2525
	1052072HA2BMW	B			0.41/0.55	87/110	65/69	745/912	97.5	2800

- 注释：*=S或B(S代表含油轴承, B代表滚珠轴承)
  ① 110VAC和380VAC可选，其他电压可定制。
- Note：*="S"or"B"(S for sleeve bearing,B for ball bearings).
  ①Optional 110/380VAC,12/48VDC other voltage on request

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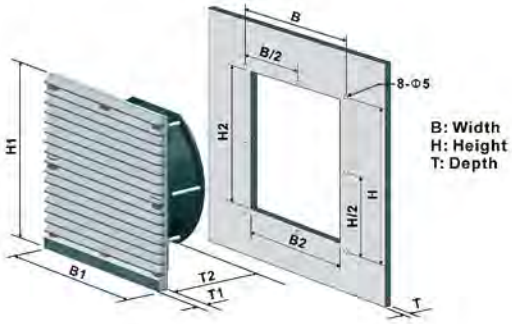
10系列过滤器 10 Series Filters
SVF106 / SFF106

▲ SVF106
通风过滤器 / Ventilator Filter

▲ SFF106
风扇过滤器 / Fan Filter



- 全新卡扣式自锁设计，可免螺丝安装
- 外框选用进口优质树脂，添加难燃抗紫外线材料, UL94-V0可选
- 防护等级可达IP54

- Snap-lock design,mounting without screws
- Resin with UV-resistant for the frame,optional UL94-V0
- System of protection IP 54

CE RoHS IP54

通风过滤器 Ventilator Filter

型号 Type	订货号 Part Number	尺寸Sizes(mm)						过滤效率 Filtration efficiency	工作温度 Operation temperature	重量 Weight	颜色 Color
		B1/H1	B2/H2	T1	B/H	Φ	T2				
SVF106	SVF106	320	283*	13.5	300	5	15.5	88%	-15~60°C	640g	RAL7035
		*1.5≤板厚T<1.8, B2/H2=282.5$_{0}^{+0.2}$,可免螺丝安装mounting without screws 1.8≤板厚T≤2.0,B2/H2=283$_{0}^{+0.2}$, 可免螺丝安装mounting without screws									

附件：过滤垫 Attachment: filter mat

型号Type	订货号 Part Number
SFM106	SFM106

风扇过滤器 Fan Filter

型号 Type	订货号 Part Number	电气参数 Electrical parameters							T2 (mm)	重量 Weight (g)
		轴承类型 Bearing System	电压 Nominal Voltage (VAC)	频率 Frequency (Hz)	电流 Current (A)	功率 Input power (W)	噪音 Noise Level dB(A)	无阻力风量 Air Flow (CFM)		
SFF106	1061725HA2*MT	B/S	230①	50/60	0.21/0.19	32/30	48/51	133/146	75.5	1520
	10617255HA2BMT	B			0.13/0.12	28/30	51/55	164/195	79.5	1490
	1062206HA2BMT	B			0.21/0.26	47/58	60/63	355/382	86.5	2190
	1062208HA2BMT	B			0.25/0.34	58/81	65/68	437/452	106.5	2740
	1062509HA2BMT	B			0.36/0.42	80/93	64/66	536/592	114.5	3060
	1062072HA2BMW	B			0.41/0.55	87/110	65/69	764/936	97.5	3030

- 注释：*=S或B(S代表含油轴承, B代表滚珠轴承)
  ①110VAC和380VAC可选，其他电压可定制。

- Note：*="S"or"B"(S for sleeve bearing,B for ball bearings).
  ①Optional 110/380VAC,12/48VDC other voltage on request

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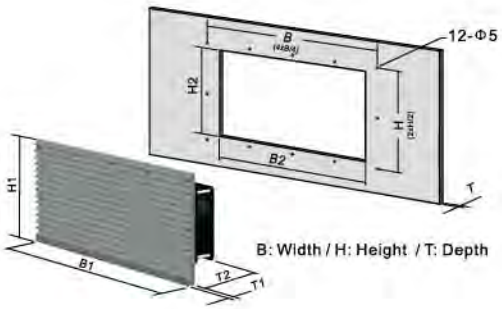
10系列过滤器 10 Series Filters
SVF107 / SFF107

▲ SVF107
通风过滤器 / Ventilator Filter

▲ SFF107
风扇过滤器 / Fan Filter



- 全新卡扣式自锁设计，可免螺丝安装
- 外框选用进口优质树脂，添加难燃抗紫外线材料, UL94-V0可选
- 防护等级可达IP54

- Snap-lock design,mounting without screws
- Resin with UV-resistant for the frame,optional UL94-V0
- System of protection IP 54

CE RoHS IP54

通风过滤器 Ventilator Filter

型号 Type	订货号 Part Number	尺寸Sizes(mm)						过滤效率 Filtration efficiency	工作温度 Operation temperature	重量 Weight	颜色 Color
		B1/H1	B2/H2	T1	B/H	Φ	T2				
SVF107	SVF107	420/180	392/151.5*	13.5	402/162	5	15.5	88%	-15~60°C	440g	RAL7035
		*1.5≤板厚T<1.8, H2=151$_0^{+0.2}$,可免螺丝安装mounting without screws 1.8≤板厚T≤2.0,H2=151.5$_0^{+0.2}$, 可免螺丝安装mounting without screws									

附件：过滤垫 Attachment: filter mat

型号Type	订货号 Part Number
SFM107	SFM107

风扇过滤器 Fan Filter

型号 Type	订货号 Part Number	电气参数 Electrical parameters							T2 (mm)	重量 Weight (g)
		轴承类型 Bearing System	电压 Nominal Voltage (VAC)	频率 Frequency (Hz)	电流 Current (A)	功率 Input power (W)	噪音 Noise Level dB(A)	无阻力风量 Air Flow (CFM)		
SFF107	1071225HA2*PT	B/S	230①	50/60	0.21/0.18	51/45	43/45	107/126	49.5	1350
	1071238HA2*MT	B/S			0.48/0.36	54/48	55/56	159/194	62.5	1940
	1071725HA2*MT	B/S			0.42/0.38	64/60	58/60	258/284	75.5	2300
	10717255HA2BMT	B			0.26/0.26	56/60	58/63	318/378	79.5	2230

注释：*=S或B(S代表含油轴承, B代表滚珠轴承)
①110VAC和380VAC可选，其他电压可定制。

Note：*="S"or"B"(S for sleeve bearing,B for ball bearings).
①Optional 110/380VAC,12/48VDC other voltage on request

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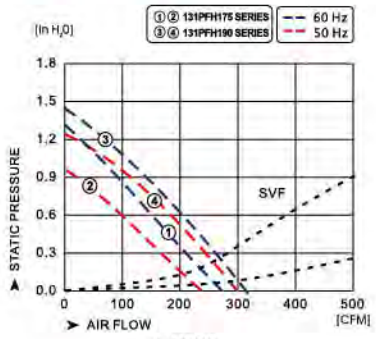
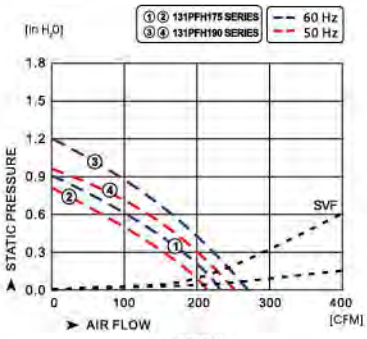
13系列顶置式过滤风扇
13 Series Filterfans For Roof Mounting
SFF131



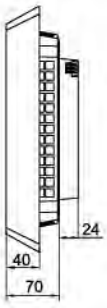
▲IP33

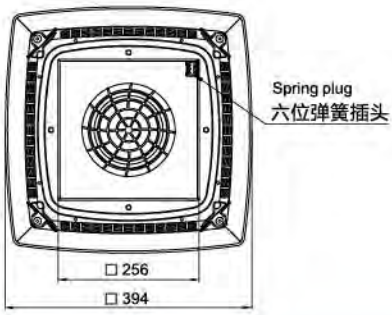


▲IP54

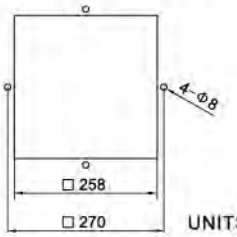
- 高度超薄设计
- 可选功能：无源触点报警(NC+COM+NO)、转速输出(FG)
- 系统防护等级为IP33或IP54
- 采用离心风扇，相比传统轴流风扇在降低噪音的同时提升排风效率

- Ultra thin design in height direction
- Specials:Alarm function via passive contact (NC+COM+NO), Frequency generation output signal(FG)
- Protection type:IP33 or IP54
- The centrifugal fan is used to reduce the noise and improve the exhaust efficiency compared with the axial fan





安装孔参考尺寸 Panel Out-cuts



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CE RoHS

13系列顶置式过滤风扇 Filterfan For Roof Mounting

型号 Type	订货号 Part Number	电气参数 Electrical parameters									重量 Weight (Kg)
		防护等级 IP	轴承类型 Bearing System	电压 Nominal Voltage (VAC)	频率 Frequency (Hz)	电流 Current (A)	功率 Input power (W)	噪音 Noise Level dB(A)	无阻力风量 Unimpeded airflow (CFM)	组合风量 Airflow rate in combination (SFF+SVF116/106) (CFM)	
SFF131	131PF175HA2W①	IP33	B	230②	50/60	0.24/0.26	52/58	61/62	239/270	191/216	3.0
	131PFH175HA2W①	IP54							213/230	198/207	
	131PF190HA2W①	IP33				0.25/0.29	60/68	62/64	300/315	245/255	3.3
	131PFH190HA2W①	IP54							250/270	220/230	

①连接方式：W代表端子式连接；L代表引线式连接（可选），线长900±50mm。 ①Type of connection:W for terminal strip;L for Line(optional),L=900±50mm
②表示110VAC和380VAC可选，其他电压可定制。 ②Optional 110/380VAC,12/48VDC other voltage on request

其他说明 Other details：

- 工作温度:-30~60℃
- 工作湿度:0~95%RH
- 储存温度(非凝结):-40~70℃
- 颜色:RAL7035, 其他颜色可定制
- 寿命L_{10}(40℃): 60000h
- IP54结构时,过滤效率88%, 过滤垫等级G3
- 壳体材料：进口优质树脂(UL94-V0)

- Operation temperature range:-30~60℃
- Operation humidity range:0~95%RH
- Storage temperature range (non-condensing) :-40~70℃
- Color:RAL7035 ,different colours available on request
- Life expectancy L_{10}(40℃): 60000h
- Filtration efficiency 88%, Filter mat quality class G3
- Shell material : Plastic (UL94-V0)

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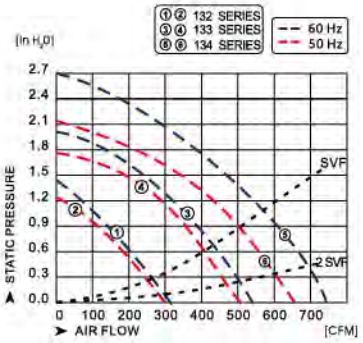
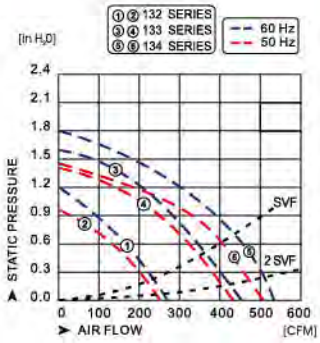
13系列顶置式过滤风扇
13 Series Filterfans For Roof Mounting
SFF132/133/134



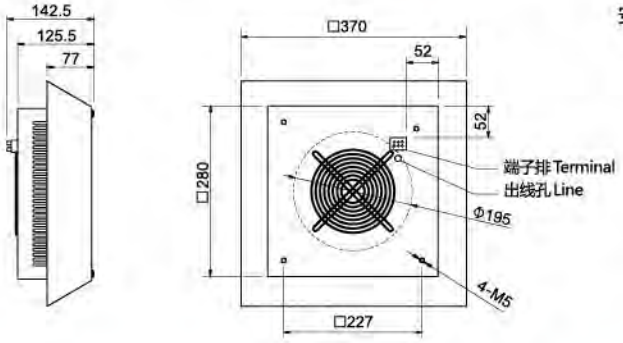
▲IP33



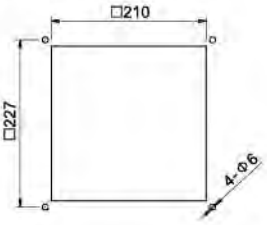
▲IP54

- 三种性能等级，一种开孔尺寸
- 系统防护等级为IP33或IP54
- 采用离心风扇，相比传统轴流风扇在降低噪音的同时提升排风效率

- Three performance classes,cut-out compatible
- Protection type:IP33 or IP54
- The centrifugal fan is used to reduce the noise and improve the exhaust efficiency compared with the axial fan



安装孔参考尺寸 Panel Out-cuts



UNITS:mm

CE RoHS

顶置式过滤风扇 Filterfan For Roof Mounting

型号 Type	订货号 Part Number	电气参数 Electrical parameters									重量 Weight (Kg)
		防护等级 IP	轴承类型 Bearing System	电压 Nominal Voltage (VAC)	频率 Frequency (Hz)	电流 Current (A)	功率 Input power (W)	噪音 Noise Level dB(A)	无阻力风量 Unimpeded airflow (CFM)	组合风量 Airflow rate in combination (SFF+SVF116/106) (CFM)	
SFF132	132190HA2W①	IP33	B	230②	50/60	0.26/0.34	58/75	62/64	300/315	245/255	3.6
	132H190HA2W①	IP54							250/270	220/230	
SFF133	133220HA2W①	IP33				0.38/0.51	85/115	69/71	505/530	405/420	4.1
	133H220HA2W①	IP54							420/435	350/360	
SFF134	134225HA2W①	IP33				0.65/0.85	135/180	69/71	655/740	490/555	4.6
	134H225HA2W①	IP54							505/530	415/435	

①连接方式：W代表端子式连接；L代表引线式连接（可选），线长900±50mm。 ①Type of connection:W for terminal strip;L for Line(optional),L=900±50mm
②表示110VAC和380VAC可选，其他电压可定制。 ②Optional 110/380VAC,12/48VDC other voltage on request

其他说明 Other details：

- 工作温度:-30~60℃
- 工作湿度:0~95%RH
- 储存温度(非凝结):-40~70℃
- 颜色:RAL7035, 其他颜色可定制
- 寿命L_{10}(40℃): 60000h
- IP54结构时,过滤效率88%, 过滤垫等级G3
- 壳体材料：喷塑钣金(不锈钢可选)

- Operation temperature range:-30~60℃
- Operation humidity range:0~95%RH
- Storage temperature range（non-condensing）:-40~70℃
- Color:RAL7035 ,different colours available on request
- Life expectancy L_{10}(40℃): 60000h
- Filtration efficiency 88%, Filter mat quality class G3
- Shell material : powder-coated sheet steel(stainless steel optional)

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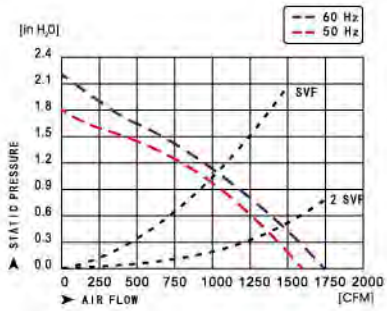
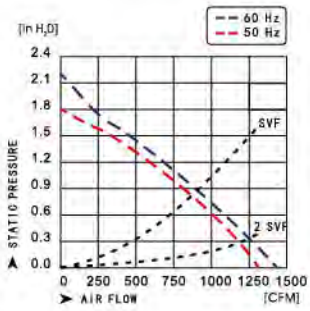
13系列顶置式过滤风扇
13 Series Filterfans For Roof Mounting
SFF136



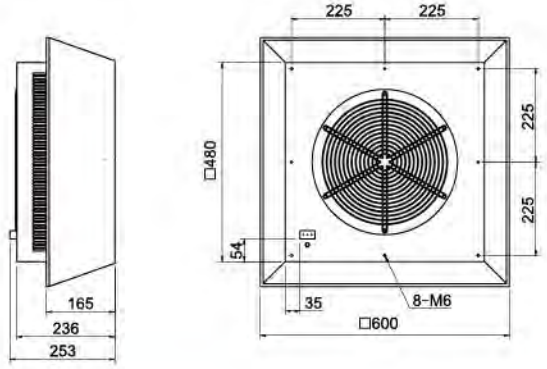
▲IP33



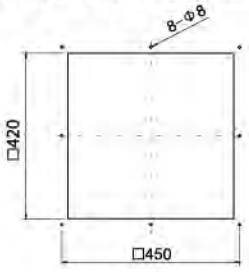
▲IP54

- 系统防护等级为IP33或IP54
- 采用离心风扇，相比传统轴流风扇在降低噪音的同时提升排风效率

- Protection type:IP33 or IP54
- The centrifugal fan is used to reduce the noise and improve the exhaust efficiency compared with the axial fan



安装孔参考尺寸 Panel Out-cuts



UNITS:mm

CE RoHS

顶置式过滤风扇 Filterfan For Roof Mounting

型号 Type	订货号 Part Number	电气参数 Electrical parameters									重量 Weight (Kg)
		防护等级 IP	轴承类型 Bearing System	电压 Nominal Voltage (VAC)	频率 Frequency (Hz)	电流 Current (A)	功率 Input power (W)	噪音 Noise Level dB(A)	无阻力风量 Unimpeded airflow (CFM)	组合风量 Airflowrate in combination (SFF+SVF116/106) (CFM)	
SFF136	136355HA2W①	IP33	B	230②	50/60	1.00/1.35	225/315	65/67	1590/1740	985/1045	21
	136H355HA2W①	IP54							1320/1430	860/900	

①连接方式：W代表端子式连接；L代表引线式连接（可选），线长900±50mm。①Type of connection:W for terminal strip;L for Line(optional),L=900±50mm

②表示110VAC和380VAC可选，其他电压可定制。 ② Optional 110/380VAC,12/48VDC other voltage on request

其他说明 Other details :

- 工作温度:-30~60℃
- 工作湿度:0~95%RH
- 储存温度(非凝结):-40~70℃
- 颜色:RAL7035, 其他颜色可定制
- 寿命L_{10}(40℃): 60000h
- IP54结构时,过滤效率88%, 过滤垫等级G3
- 壳体材料：喷塑钣金(不锈钢可选）

- Operation temperature range:-30~60℃
- Operation humidity range:0~95%RH
- Storage temperature range（non-condensing）:-40~70℃
- Color:RAL7035 ,different colours available on request
- Life expectancy L_{10}(40℃): 60000h
- Filtration efficiency 88%, Filter mat quality class G3
- Shell material : powder-coated sheet steel(stainless steel optional)

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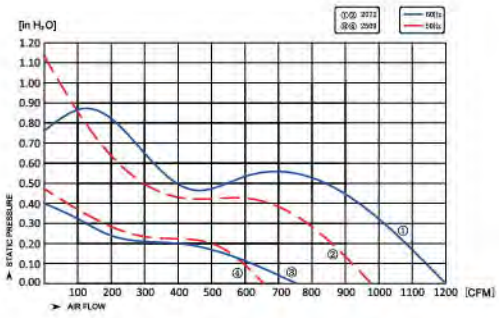
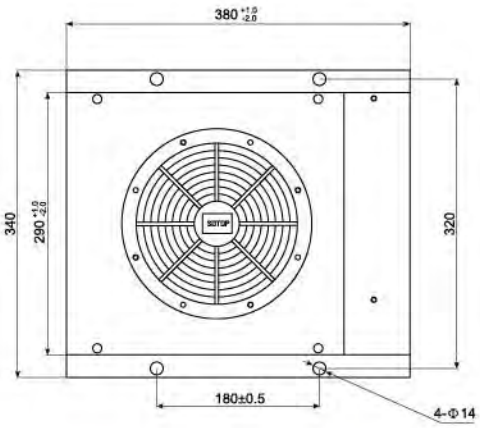
2509 电动风阀
Electric Air Valve



- 通风可调节
- 高防护
- 干接点智能反馈
- 柜内保温
- 结构可靠
- 正反转功能

- Adjustable ventilation
- High protection
- Dry contact intelligent feedback
- Insulation inside the cabinet
- Reliable structure
- Positive inversion



Type 型号	P.N. 订货号	Bearing System 轴承类型	Nominal Voltage 电压 (VAC)	Freq 频率 (Hz)	Current 电流 (A)	Input Power 功率 (W)	Speed 转速 (RPM)	Air Flow 风量 (CFM)	Noise Level 噪音 (dB-A)	Operation Temperature 工作温度 ℃	Weight 重量 g
SF2509HA2	2509HA2BML-OF1	Ball	230①	50/60	0.25/0.35	57/80	2800/3000	670/740	64/66	-50/85	9680
附件:护网 型号/订货号:SF625B 见附录							Attachment: Finger Guard Type/P.N: SF625B See appendix				

■注释：①115 VAC和380VAC可选，其他电压可定制。

■Note : ①Optional 115/380VAC,12/48VDC other voltage on request

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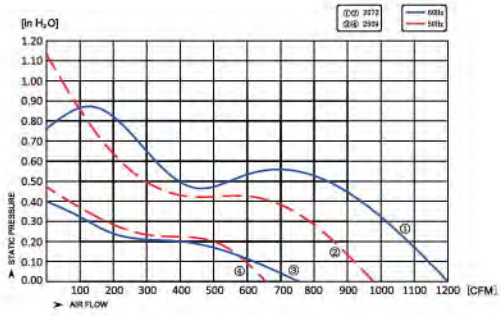
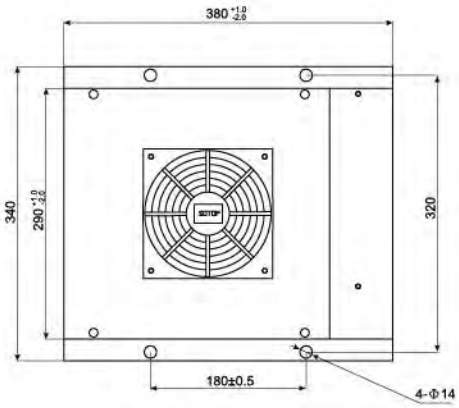
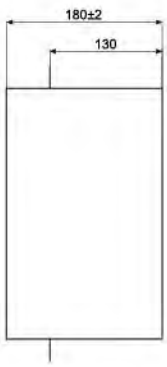
2072 电动风阀
Electric Air Valve



- 通风可调节
- 高防护
- 干接点智能反馈
- 柜内保温
- 结构可靠
- 正反转功能

- Adjustable ventilation
- High protection
- Dry contact intelligent feedback
- Insulation inside the cabinet
- Reliable structure
- Positive inversion





Type 型号	P.N. 订货号	Bearing System 轴承类型	Nominal Voltage 电压 (VAC)	Freq 频率 (Hz)	Current 电流 (A)	Input Power 功率 (W)	Speed 转速 (RPM)	Air Flow 风量 (CFM)	Noise Level 噪音 (dB-A)	Operation Temperature 工作温度 ℃	Weight 重量 g
SF2072HA2	2072HA2BML-OF1	Ball	230①	50/60	0.42/0.48	87/110	2900/3400	980/1200	65/69	-50/85	9792
附件:护网 型号/订货号 SF820B 见附录							Attachment: Finger Guard Type/P.N: SF820B See appendix				

■ 注释：①115VAC和380VAC可选，其他电压可定制。

■ Note：①Optional 115/380VAC,12/48VDC other voltage on request

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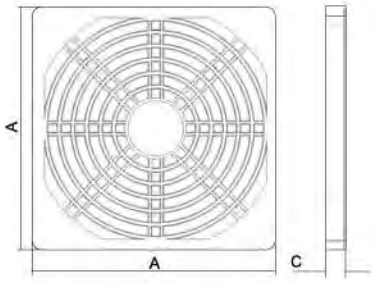
三合一过滤器
3 in 1 filter

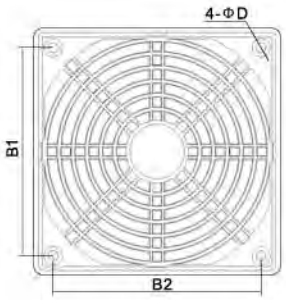
- 面壳和底壳材质：ABS
- 滤网材质：聚氨酯
- 使用范围：屋内-12℃~+60℃
- 除尘率：85%
- 防护等级：IP44
- 颜色：黑色,其他颜色可定制

- Shell Material : ABS
- Filter material : Polyurethane
- Temperature : inside the house—12℃~+60℃
- Dust Removing Rate : 85%
- IP Standard : IP44
- Color : Black, customized other

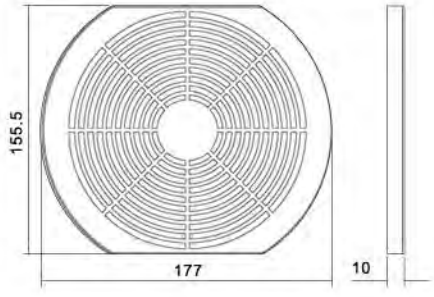
RoHS IP44

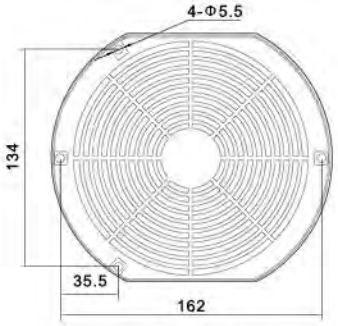
型号Model/订货号P.N.	A	B1/B2	C	D	适合风扇 Suitable for fan
SF806A/SF806A	64.5	50.5/50.5	7	Φ5	SF6025
SF808A/SF808A	84.5	71.5/71.5	10	Φ5	SF8025/8038
SF809A/SF809A	96	82.5/82.5	10.5	Φ5	SF9225/9238
SF812A/SF812A	125	105/105	10	Φ5.5	SF1225/1238
SF815A/SF815A	155	122/122	10	Φ5.5	SF1525
SF822A/SF822A	207	155(166)/155(166)	11	Φ5.5	SF1806P(SF2006/2206-S)
SF822A/SF822A-B	227	106/183.6	10	Φ5.5	SF2206/2208





型号 Model/订货号P.N. ：SF817A/SF817A
适合风扇 Suitable for fan：SF1723/1725/17255





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辐射加热器 Radiant heater

辐射加热器设计紧凑，应用广泛。可以与温控器、湿控器组合使用，有效避免机柜内温度过低或相对湿度过高，同时防止生锈腐蚀。

Radiant heater design compact, widely used. The utility model can be combined with a thermostat and a hygrostat, when the temperature is too low or the relative humidity is too high in the cabinet.

风扇加热器 Fan heater

风扇加热器使用于较大电气柜。他们拥有强大的集成风扇，加强自然对流换热，使热量迅速均匀地分布。与温控器、湿控器组合使用，可有效避免机柜内温度过低或相对湿度过高，从而防止生锈腐蚀。

The fan heater is used in large electric cabinet. They have a powerful integrated fan to enhance natural convection heat transfer, so that the heat evenly distributed rapidly. It can effectively avoid too low temperature and too high reltive humidity in the cabinet.

温控器 Thermostat

温控器是用来控制风扇过滤器和加热器，从而控制机柜温度和相对湿度，尤其适用于户外机柜。将机柜温度控制在高于露点温度以防止凝露，从而避免了由冷凝水导致的电气短路。与风扇过滤器组合使用，能有效提升风扇的使用寿命和延长过滤器的维护周期。

Thermostat is used to control the temperature and the relative humidity in the cabinet, especially for outdoor cabinets. The cabinet temperature is controlled above dew point temperature to prevent condensation, thus avoiding electric short circuit caused by condensation water. It can effectively improve the service life of the fan and prolong the maintenance cycle of the filter.

湿控器 Hygrostat

在相对湿度达到预设值时，湿控器会启动机柜加热器或风扇过滤器，以保证空气湿度保持在露点以上，从而防止产生的冷凝水导致的生锈腐蚀等问题。

When the relative humidity reaches the preset value, the hygrostat will start the cabinet heater and the filter fan to ensure that the relative humidity is kept above the dew point to prevent the condensation and the corrosion of steel plate.

小型辐射加热器
SMALL SEMICONDUCTOR HEATER
SH008S-SH020S

- 电压范围宽 Wide voltage range
- 轻巧 Compact
- 高效加热 Dynamic heating up
- 节能 Energy saving

本系列加热器可防止小型机柜内产生凝露或温度过低。可连续工作。

These small heaters are designed to prevent condensation and to ensure a minimum operating temperature in small enclosures,The heaters are designed for permanent operation.

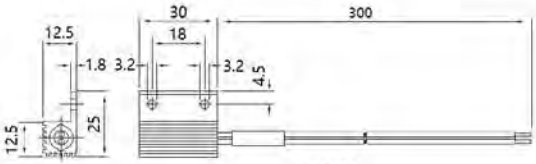
CE RoHS

技术参数 TECHNICAL DATA

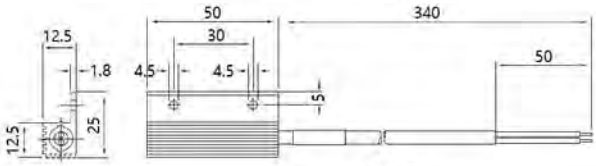
工作电压 Operating voltage	120-240VAC/DC[1](min.110v,max.265v)
加热元件 Heating element	PTC 温度限制 PTC resistor-temperature limiting
散热体 Heater body	铝型材，阳极氧化处理 Aluminium,anodised
安装方式 Mounting	螺丝安装 Screw fixing
安装方向 Fitting position	任意 Variable
工作/储存温度 Operating/Storage temperature	-45～+70°C(-49～+158°F)
工作/存储湿度 Operating/Storage humidity	最大90%RH（无凝露） max.90%RH(non-condensing)
防护类型/防护等级 Protection type/Protection class	IP54/ II(双绝缘) IP54/ II (double insulated)
提示 Note	其他电压要求可定制 Other voltages on request

[1]工作电压低于140V AC/DC时，加热功率降低约10%左右

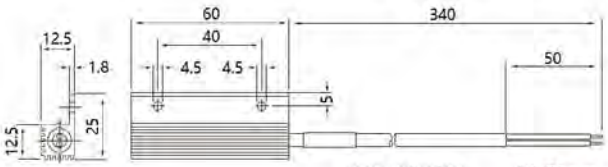
[1]Operating with voltages below 140V AC/DC reduces heating performance by approx. 10%



SH008S



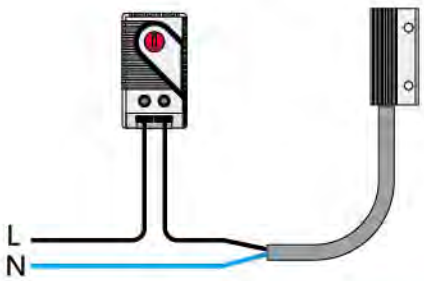
SH010S



SH013S/SH020S UNITS:mm

接线示意图 Example of connection

温控器Thermostat 加热器Heater



型号 Type	订货号 P.N.	加热功率[2] Heating capacity[2]	启动电流 Inrush current max.	表面温度 Surface temperature	接线方式 Connection	重量 Weight
SH008S	SH008S	8W	2.0A	+150°C	2×AWG18 stranded wire	20g
SH010S	SH010S	10W	2.5A	+155°C	2×AWG22 cable(silicone)	30g
SH013S	SH013S	13W	3.0A	+170°C	2×AWG22 cable(silicone)	40g
SH020S	SH020S	20W	4.0A	+190°C	2×AWG22 cable(silicone)	40g

[2] 在环境温度20°C时 [2]at 20°C(+68°F) ambient temperature

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Mini辐射加热器
Mini SEMICONDUCTOR HEATER
SH010M-SH030M

- 宽电压范围 / Wide voltage range
- 紧凑设计 / Compact
- 节能 / Energy saving
- 导轨卡装 / Clip fixing

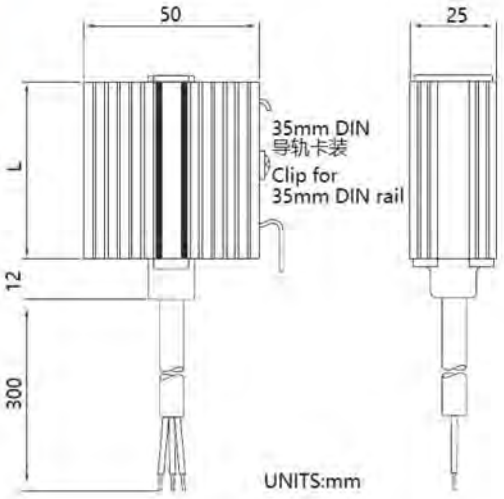
本系列加热器可防止机柜内产生凝露或温度过低，以此避免生锈腐蚀或柜内温度不均。特别适用于小型机柜或灵敏区域。可连续工作。

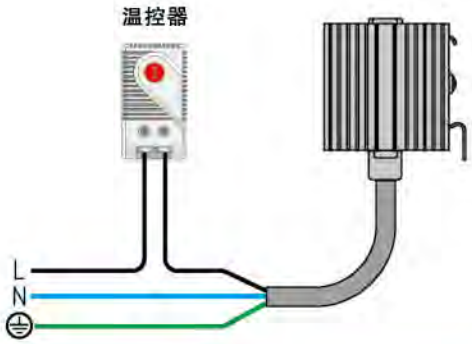
The heaters are used in enclosures where condensation is to be prevented or the temperature may not fall below a minimum value .In this way corrosion is avoided and even temperature is ensured. Especially suitable for small enclosures or sensitive areas .The heaters are designed for permanent operation.

CE RoHS

技术参数 TECHNICAL DATA

发热元件 Heating element	PTC 温度限制 PTC resistor-temperature limiting
散热体 Heater body	铝型材，阳极氧化处理 extruded aluminium profile, anodised
安装方式 Mounting	35mm DIN导轨卡装 clip for 35mm DIN rail, EN 60715
安装方向 Fitting position	垂直 vertical
工作/储存温度 Operating/Storage temperature	-45~+70°C（-49~+158°F）
工作/储存湿度 Operating/Storage humidity	最大90%RH（无凝露） max. 90%RH(non-condensing)
防护等级/保护等级 Protection type/Protection class	IP44/ I (接地) IP44/ I (earthed)
提示 Note	其他电压可定制 other voltage on request





型号 Type	订货号 P.N.	工作电压 Operating voltage	加热功率[1] Heating capacity[1]	启动电流 Inrush current max.	长度（图示"L"） Lenght(L)	接线方式 Connection	重量 Weight
SH010M	SH010M	120-240V AC/DC[2]	10W	1.0A	50mm	3×0.5mm²×300mm cable(silicone)	0.10kg
SH020M	SH020M	120-240V AC/DC[2]	20W	2.5A	60mm	3×0.5mm²×300mm cable(silicone)	0.20kg
SH030M	SH030M	120-240V AC/DC[2]	30W	3.0A	70mm	3×0.5mm²×300mm cable(silicone)	0.20kg
SH010M	SH010M1	110-120V AC/DC	10W	1.0A	50mm	3×AWG 20×300mm cable	0.10kg
SH020M	SH020M1	110-120V AC/DC	20W	1.5A	70mm	3×AWG 20×300mm cable	0.20kg
SH030M	SH030M1	110-120V AC/DC	30W	1.5A	100mm	3×AWG 20×300mm cable	0.20kg

[1]在环境温度20℃时 [1]at 20°C(+68°F) ambient temperature
[2](最小110V，最大265V)工作电压低于140V AC/DC时，加热功率降低10%左右。
[2](min.110V,max 265V)Operating with voltage below 140V AC/DC reduces heating performance by approx. 10%.

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辐射加热器
SEMICONDUCTOR HEATER
SH015-SH150

- 按压弹簧连接 / Pressure clamp connectors
- 节能 / Energy saving
- 高效加热 / Dynamic heating up
- 宽电压范围 / Wide voltage range
- 导轨卡装 / Clip fixing

本系列加热器可与温控器或湿控器组合使用，有效防止机柜内产生凝露或温度过低，以此避免生锈腐蚀。具有烟囱效应的筒式铝材散热体，能均匀的分布热量。按压弹簧连接省时省力。可连续工作。

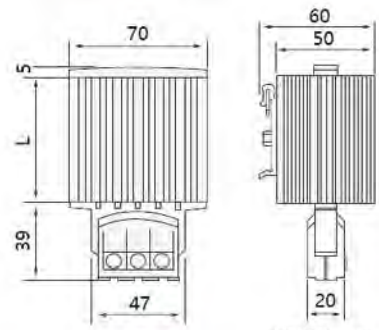
These heaters are used in enclosures where damage from condensation must be prevented, or where the temperature may not fall below a minimum value. The aluminium profile heater body design has a chimney effect and distributes the heat evenly. The heaters are designed for permanent operation .Pressure clamp connectors save time and simplify installation.

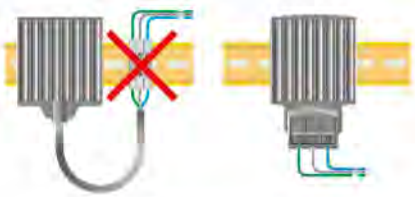
CE RoHS

技术参数 TECHNICAL DATA

工作电压 Operating voltage	120-240V AC/DC[1](最小 110V 最大265V) 120-240V AC/DC[1](min.110V max.265V)
加热原件 Heating element	PTC温度限定 PTC resistor-temperature limiting
散热体 Heater body	铝型材，阳极氧化处理 extruded aluminum profile, anodized
接线方式 Connection	3个按压弹簧端子，多股线0.5-1.5mm² 和单股线0.5-2.5mm² 3 pressure clamps for stranded wire 0.5-1.5mm² (with wire end ferrule) and rigid wire 0.5-2.5mm²
连接外壳 Connection casing	黑色塑料UL94V-0 plastic according to UL94V-0, black
安装方式 Mounting	35mm DIN 导轨卡装 clip for 35mm DIN rail, EN 60715
安装方向 Fitting position	垂直 vertical
工作/存储温度 Operating/Storage temperature	-45~+70°C（-49~+158°F）
工作/存储湿度 Operating/Storage humidity	最大90%RH（无凝露） max.90%RH(non-condensing)
防护等级/保护等级 Protection type/Protection class	IP20/ I (接地) IP20/ I (earthed)
提示 Note	其他电压可定制 other voltages on request

[1]工作电压低于140V AC/DC时,加热功率降低10%左右。
[1]Operating with voltages below 140V AC/DC reduces heating performance by approx. 10%





型号 Type	订货号 P.N.	加热功率[2] Heating capacity[2]	启动电流 Inrush current max.	长度（图示"L"） Lenght(L)	重量 Weight
SH015	SH015	15 W	1.5 A	65 mm	0.3Kg
SH030	SH030	30 W	3.0 A	65 mm	0.3Kg
SH045	SH045	45 W	3.5 A	65 mm	0.3Kg
SH060	SH060	60 W	2.5 A	140 mm	0.4Kg
SH075	SH075	75 W	4.0 A	140 mm	0.5Kg
SH100	SH100	100W	4.5 A	140 mm	0.5Kg
SH150	SH150	150W	9.0 A	220 mm	0.7Kg

[2]在环境温度20°C时 [2]at 20°C(+68°F) ambient temperature

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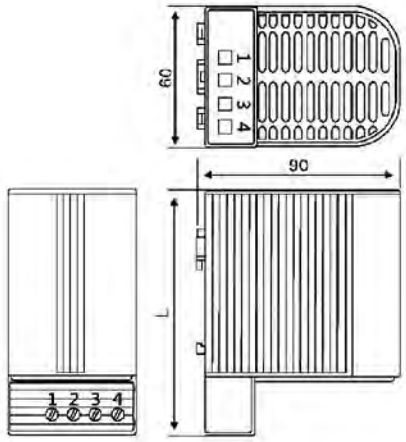
接触安全性辐射加热器
TOUCH-SAFE SEMICONDUCTOR HEATER
SH050D-SH150D

- 低表面温度 / Low surface temperature
- 宽电压范围 / Wide voltage range
- 双绝缘 / Double insulated(plastic)
- 小尺寸 / Small size
- 导轨卡装 / Clip fixing

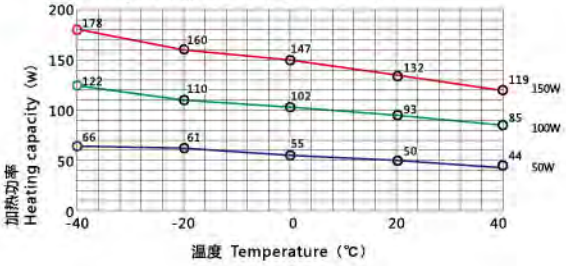
本系列加热器可与温控器或湿控器组合使用，有效防止机柜内产生凝露或温度过低。采用双绝缘设计，从而使加热器侧表面温度较低。可连续工作。

Touch-safe heater for the use in enclosures with electrical/electronical components. The design of the heater supports the natural convection which results in a high air-current of warm air. The surface temperatures on the accessible side surfaces of the housing are kept down as a result of the heater design. Our complete range of thermostats and hygrostats can directly be connected to the heater. The heaters are designed for permanent operation.

CE RoHS



加热功率/环境温度曲线图
Heating capacity/Ambient temperature diagram

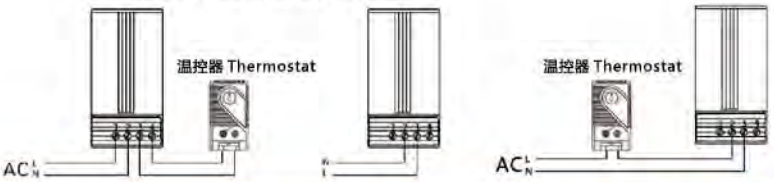


技术参数 TECHNICAL DATA

工作电压 Operating voltage	120-240V AC/DC[1](最小110V，最大265V) 120-240V AC/DC[1](min.110V，max.265V)
加热元件 Heating element	PTC温度限定 PTC resistor-temperature limiting
表面温度 Surface temperature	<+80℃，除顶部防护格栅 <+80℃(+176℉), except upper protective grille
接线方式 Connection	4接线柱，2.5mm²，最大扭矩0.8Nm 4-pole terminal 2.5mm² ,torque 0.8Nm max.
外壳材料 Casing	黑色塑料UL94-V0 plastic according to UL94 V-0, black
安装方式 Mounting	35mm DIN 导轨卡装 clip for 35mm DIN rail,EN 60715
安装方向 Fitting position	垂直 vertical airflow(air outlet up, connection on bottom)
工作/存储温度 Operating/Storage temperature	-45~+70°C（-49~+158°F）
工作/储存湿度 Operating/Storage humidity	最大90%RH（无凝露） max.90%RH(non-condensing)
防护等级/保护等级 Protection type/Protection class	IP20/II（双绝缘） IP20/ II(double Insulated)
提示 Note	其他电压可定制 other voltage on request

[1] 工作电压低于140V AC/DC时,加热功率降低10%左右。
[1] Operating with voltages below 140V AC/DC reduces heating performance by approx. 10%

接线示意图 Example of connection



型号 Type	订货号 P.N.	加热功率[2] Heating capacity[2]	启动电流 Inrush current (max.)	保险丝(延时) Pre-fuse T(time-delay)	出风口温度[3] Air outlet temperature[3]	长度(图示"L") Lenght(L)	重量 Weight
SH050D	SH050D	50W	2.5A	4A	+86℃(+186.8℉)	110mm	0.3kg
SH100D	SH100D	100W	4.5A	8A	+120℃(+248℉)	110mm	0.3kg
SH150D	SH150D	150W	8A	8A	+145℃(+293℉)	150mm	0.5kg

[2]环境温度-见加热功率/环境温度图标
[2]Ambient temperature-see Heating capacity/Ambient temperature diagram

[3]在离顶部防护栅上方50mm处测得
[3]Measured 50mm above protective grille

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小型风扇加热器
SMALL SEMICONDUCTOR FAN HEATER
SH150MF-SH400MF

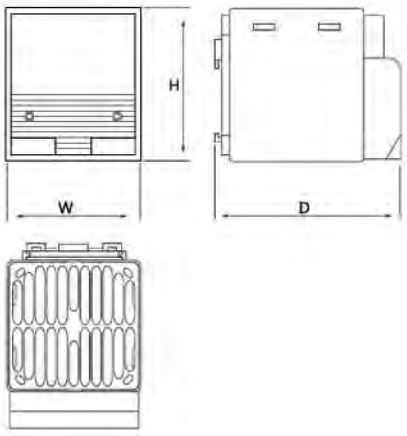
- 小巧紧凑型设计 / Small ,compact design
- 低噪音 / Quiet in operation
- 高效加热 / Dynamic heating up
- 导轨卡装或螺丝固定 / Clip or screw fixing

本系列加热器可防止机柜内产生凝露，并确保机柜内热量迅速均匀分布。采用内部接线端子接线，安全可靠。特别适用于需要高加热量而空间紧凑的机柜。
Fan heater prevents formation of condensation and provides an evenly distributed interior air temperatures with electric/electronic components .The heater is connected using the internal terminal connectors .The small size heater makes it ideal for use in enclosures where space is at a premium.

CE RoHS

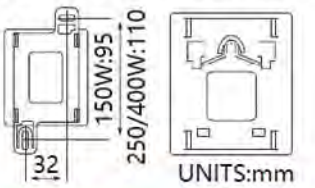
技术参数 TECHNICAL DATA

加热元件 Heating element	PTC温度限定 PTC resistor-temperature limiting
表面温度 Surface temperature	除上部保护格栅外 150W/250W:Max. +50℃(↑122℉), 400W:Max.+ 65℃(+149℉) each except upper protective grille
轴流风机，滚珠轴承 Axial fan, ball bearing	无阻力风量Free airflow 150W: 13.8 m³/h,250W/400W: 45 m³/h （230VAC）、54 m³/h(115VAC) 使用寿命 Service life 40,000h@+40℃（↑104℉）
接线方式 Connection	多股线0.5-1.5mm², 单股线0.5-2.5mm², 最大扭矩0.8Nm stranded wire 0.5-1.5mm², rigid wire 0.5-2.5mm², torque 0.8Nm max.
外壳材料 Casing	黑色塑料UL94 V-0 plastic according to UL94 V-0,black
安装方式 Mounting	35mm DIN 导轨卡装,或螺丝安装(φ5.3mm) clip for 35mm DIN rail, EN 60715 or screw fixing(φ5.3mm)
安装方向 Fitting position	自行选择，垂直尤佳 Vertical airflow (air outlet up)-other fitting positions possible
工作/存储温度 Operating/Storage temperature	-45～+70°C（-49～+158°F）
工作/储存湿度 Operating/Storage humidity	最大90%RH（无凝露） max.90%RH(non-condensing)
防护等级/保护等级 Protection type/Protection class	IP20/II（双绝缘） IP20/ II(double Insulated)
提示 Note	其他电压可定制 other voltage on request

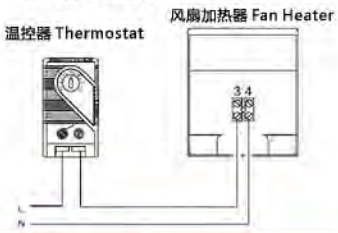


后视图 View:back side

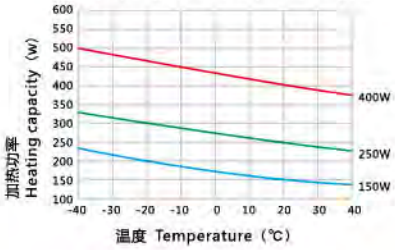
螺钉安装 Screw fixing　导轨卡装 Clip fixing



接线示意图 Example of connection



加热功率/环境温度曲线图
Heating capacity/Ambient temperature diagram



型号 Type	订货号 P.N.	工作电压 Operating voltage	加热功率[1] Heating capacity[1]	启动电流 Inrush current max.	外形尺寸 Dimensions(H×W×D)	重量 Weight
SH150MF	SH150MF2	230VAC,50/60Hz	150W	6A	75×65×90mm	0.3kg
SH250MF	SH250MF2	230VAC,50/60Hz	250W	6A	90×85×111mm	0.5kg
SH400MF	SH400MF2	230VAC,50/60Hz	400W	9A	90×85×111mm	0.5kg
SH150MF	SH150MF1	115VAC,50/60Hz	150W	9A	75×65×90mm	0.3kg
SH250MF	SH250MF1	115VAC,50/60Hz	250W	12A	90×85×111mm	0.5kg
SH400MF	SH400MF1	115VAC,50/60Hz	400W	15A	90×85×111mm	0.5kg

[1] 在环境温度20℃时　[1] at 20°C(+68°F) ambient temperature

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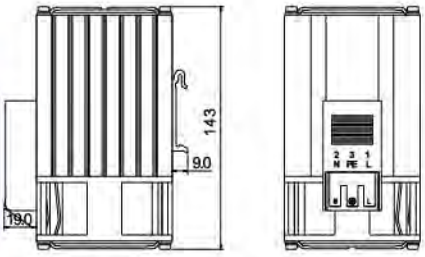
Mini紧凑型风扇加热器
Mini COMPACT SEMICONDUCTOR FAN HEATER
SH400CF

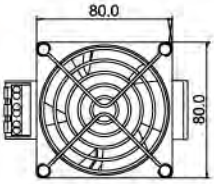
- Mini 紧凑设计
- 过热保护
- 长寿命
- 免维护
- 导轨卡装

- Mini Compact design
- Temperature safety cut-out
- Long service life
- Maintenance free
- Clip fixing

本系列加热器可防止机柜内产生凝露或霜冻。自带的轴流风扇能使机柜内热量迅速均匀分布。
Compact high-performance fan heater prevents formation of condensation and frost .The integrated high-performance axial fan provides an evenly distributed interior air temperature in enclosures with electric/electronic components.

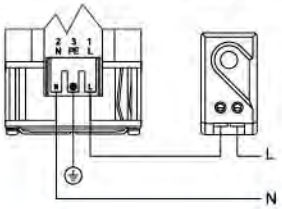
CE RoHS





接线示意图 Example of connection

风扇加热器 Fan Heater　　温控器 Thermostat



技术参数TECHNICAL DATA

加热元件 Heating element	PTC温度限定 PTC resistor-temperature limiting
过热保护 Temperature safety cut-out	防止风扇故障导致加热器过热，自动复位 to protect against overheating in case of fan failure, automatic reset
散热体 Heater body	铝型材，阳极氧化处理 extruded aluminum profile, anodized
表面温度 Surface temperature	最高+65℃（400W） Max. +65℃(400W)
连接外壳 Connection casing	黑色塑料UL94V-0 plastic according to UL94V-0, black
轴流风扇,滚珠轴承 Axial fan, ball bearing	无阻力风量Free airflow AC: 45m³/h (50Hz) or 54m³/h (60Hz) 使用寿命 Service life 50,000h@+25℃（+77℉）
接线方式 Connection	弹簧端子，多股线0.5-1.5mm² 单股线0.5-2.5mm² Spring terminal, stranded wire 0.5-1.5mm² rigid wire 0.5-2.5mm²
安装方式 Mounting	35mm DIN 导轨卡装 Clip for 35mm DIN rail, EN 60715
安装方向 Fitting position	自行选择，垂直尤佳 Vertical airflow (air outlet up)-other fitting positions possible
工作/存储温度 Operating/Storage temperature	-45~+70°C（-49~+158°F）
工作/存储湿度 Operating/Storage humidity	最大90%RH（无凝露） max.90%RH(non-condensing)
防护等级/保护等级 Protection type/Protection class	IP20/I (接地) IP20/I (earthed)

型号 Type	订货号 P.N.	工作电压 Operating voltage	加热功率[1] Heating capacity[1]	保险丝（延时） Pre-fuse T(time delay)	重量 Weight
SH400CF	SH400CF1	115VAC,50/60HZ	400W	16A	0.8
	SH400CF2	230VAC,50/60HZ	400W	10A	0.8

[1] 在环境温度20℃时　[1]at 20°C(+68°F) ambient temperature

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紧凑型风扇加热器
COMPACT SEMICONDUCTOR FAN HEATER
SH250F-SH400F

- 紧凑设计
- 过热保护
- 长寿命
- 免维护
- 导轨卡装

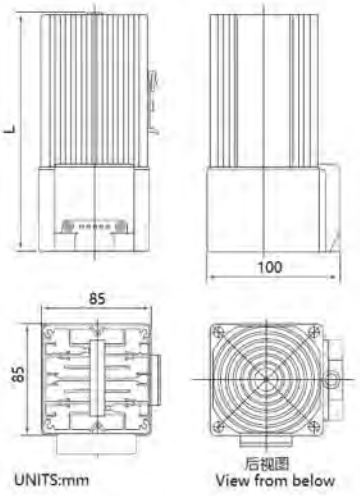
- Compact design
- Temperature safety cut-out
- Long service life
- Maintenance free
- Clip fixing

本系列加热器可防止机柜内产生凝露或霜冻。自带的轴流风扇能使机柜内热量迅速均匀分布。
Compact high-performance fan heater prevents formation of condensation and frost .The integrated high-performance axial fan provides an evenly distributed interior air temperature in enclosures with electric/electronic components.

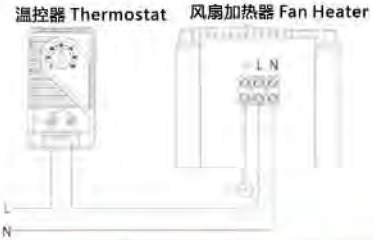
CE RoHS

技术参数TECHNICAL DATA

加热元件 Heating element	PTC温度限定 PTC resistor-temperature limiting
过热保护 Temperature safety cut-out	防止风扇故障导致加热器过热，自动复位 to protect against overheating in case of fan failure, automatic reset
散热体 Heater body	铝型材，阳极氧化处理 extruded aluminum profile, anodized
表面温度 Surface temperature	最高+75℃（400W） Max. +75℃(400W)
连接外壳 Connection casing	黑色塑料UL94V-0 plastic according to UL94V-0, black
轴流风扇,滚珠轴承 Axial fan, ball bearing	无阻力风量Free airflow AC: 45m³/h (50Hz) or 54m³/h (60Hz) DC: 54m³/h 使用寿命 Service life 50,000h@+25℃（+77℉）
接线方式 Connection	多股线0.5-1.5mm²，单股线0.5-2.5mm²，最大扭矩0.8Nm stranded wire 0.5-1.5mm², rigid wire 0.5-2.5mm², torque 0.8Nm max.
安装方式 Mounting	35mm DIN 导轨卡装 Clip for 35mm DIN rail, EN 60715
安装方向 Fitting position	自行选择，垂直尤佳 Vertical airflow (air outlet up)-other fitting positions possible
工作/存储温度 Operating/Storage temperature	-45~+70°C（-49~+158°F）
工作/存储湿度 Operating/Storage humidity	最大90%RH（无凝露） max.90%RH(non-condensing)
防护等级/保护等级 Protection type/Protection class	IP20/ I (接地) IP20/ I (earthed)



接线示意图 Example of connection



型号 Type	订货号 P.N.	工作电压 Operating voltage	加热功率[1] Heating capacity[1]	保险丝（延时） Pre-fuse T(time delay)	长度（图示"L"） Length(L)	重量 Weight
SH250F	SH250F1	115VAC,50/60HZ	250W	4A	182mm	1.1 Kg
	SH250F2	230VAC,50/60HZ	250W	2A	182mm	1.1 Kg
	SH250F48	48VDC	250W	8A	182mm	1.1 Kg
SH400F	SH400F1	115VAC,50/60HZ	400W	5A	222mm	1.4 Kg
	SH400F2	230VAC,50/60HZ	400W	4A	222mm	1.4 Kg
	SH400F48	48VDC	400W	12.5A	222mm	1.4 Kg

[1] 在环境温度20℃时 [1]at 20°C(+68°F) ambient temperature

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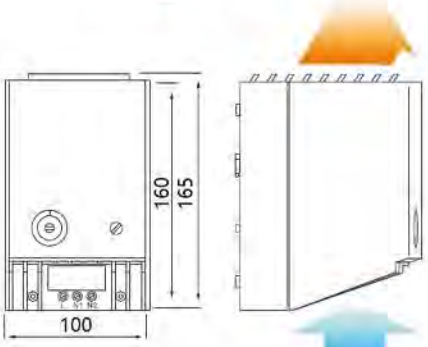
温控风扇加热器
SEMICONDUCTOR FAN HEATER
SH400LF-SH550LF

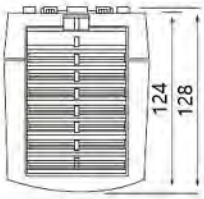
- 紧凑型设计 / Compact design
- 集成温控 / Integrated thermostat
- 过热保护 / Temperature safety cut-out
- 双绝缘 / Double insulated
- 工作指示灯 / Optical indicator
- 导轨卡装 / Clip fixing

本系列加热器可防止机柜内产生凝露或霜冻，并确保机柜内热量迅速均匀分布。集成可调节温控，方便用户设定机柜内所需温度。

Semiconductor fan heater prevents formation of condensation and frost and provides an evenly distributed interior air temperature in enclosures with electric/electronic components.The integrated thermostat is used to set the desired temperature.

CE RoHS





UNITS:mm

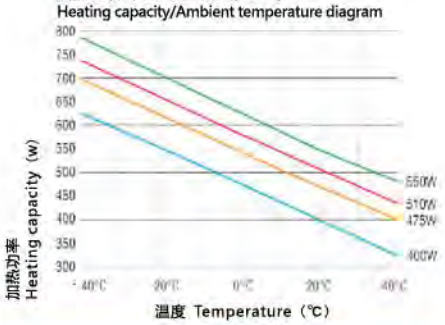
注意：接线时仅需连接L和N1即可，N2不用连接

Note: Connection only needs to connect L and N1,without N2

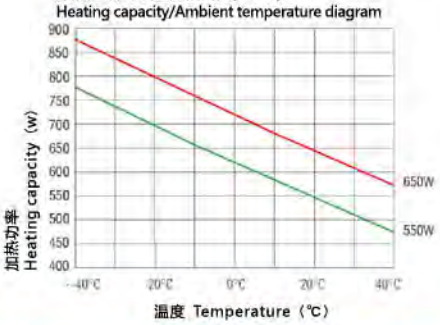
技术参数TECHNICAL DATA

加热元件 Heating element	PTC温度限定 PTC resistor-temperature limiting
过热保护 Temperature safety cut-out	防止风扇故障导致加热器过热，自动复位 to protect against overheating in case of fan failure, automatic reset
轴流风机，滚珠轴承 Axial fan, ball bearing	使用寿命Service life 50,000h@+25℃（+77℉）
接线方式 Connection	多股线0.5-1.5mm²，单股线0.5-2.5mm²，最大扭矩0.8Nm stranded wire 0.5-1.5mm², rigid wire 0.5-2.5mm², torque 0.8Nm max.
外壳材料 Casing	浅灰色塑料UL94 V-0 plastic according to UL94 V-0, light grey
工作指示灯 Optical indicator	LED
安装方式 Mounting	35mm DIN 导轨卡装 clip for 35mm DIN rail, EN 60715
安装方向 Fitting position	自行选择，垂直尤佳 Vertical airflow (air outlet up)-other fitting positions possible
工作/存储温度 Operating/Storage temperature	-45~+70°C（-49~+158°F）
工作/储存湿度 Operating/Storage humidity	最大90%RH（无凝露） max.90%RH(non-condensing)
防护等级/保护等级 Protection type/Protection class	IP20/ II（双绝缘） IP20/ II (double Insulated)

加热功率/环境温度曲线图(50Hz)
Heating capacity/Ambient temperature diagram



加热功率/环境温度曲线图(60Hz)
Heating capacity/Ambient temperature diagram



型号 Type	订货号 P.N.	工作电压 Operating voltage	加热功率[1] (50/60Hz) Heating capacity[1] (50/60Hz)	启动电流 Inrush current max.	无阻风量 Free airflow	设定范围[2] Setting range[2]	重量 Weight
SH475LF	SH475LF2	220-240VAC,50/60Hz	475W / 550W	11A	35m³/h	0~+60℃	0.9Kg
SH550LF	SH550LF2	220-240VAC,50/60Hz	550W / 650W	13A	45m³/h	0~+60℃	1.1Kg
SH400LF	SH400LF1	110-120VAC,50/60Hz	400W / 550W	14A	35m³/h	+32~+140℉	0.9Kg
SH510LF	SH510LF1	110-120VAC,50/60Hz	510W / 650W	15A	45m³/h	+32~+140℉	1.1Kg

[1]在环境温度20℃时 [1]at 20°C(+68°F) ambient temperature

[1][2]切换温差7K(±4K公差) [1][2]Switch temperature difference 7K(±4K tolerance)

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扁平型风扇加热器
SPACE-SAVING FAN HEATER
SH100S(F)-SH400S(F)

- 紧凑型 Compact
- 过热保护 Temperature safety cut-out
- 扁平设计 Flat design
- 高效率出风 High air through-flow
- 导轨卡装 Clip fixing

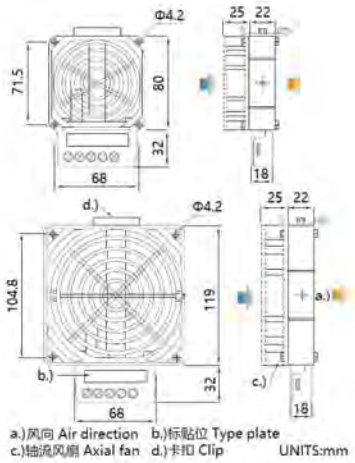
本系列加热器可防止机柜内产生凝露或霜冻，并确保机柜内热量迅速均匀分布。扁平型紧凑设计，适用于有限空间的机柜。此产品有自装风扇式加热器(SH***S)和带风扇式加热器(SH***SF)。

Compact high-performance fan heater prevents formation of condensation and frost and provides an evenly distributed interior air temperature in enclosures with electric/electronic components.This fan heater may only be operated together with a fan but is also available without fan for Self-assembly(SH***S) and with pre-configured fan(SH***SF).

CE RoHS

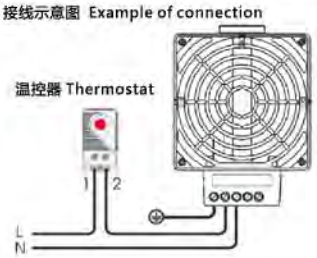
技术参数 TECHNICAL DATA

SH***SF-2	不带风扇的加热器（含风扇安装附件） Heater without fan (fan mounting kit included)
SH***SF	带风扇的加热器 Heater with fan
加热元件 Heating element	高性能发热管 high performance cartridge
过热保护 Temperature safety cut-out	防止风扇故障导致加热器过热，自动复位 to protect against overheating in case of fan failure, automatic reset
散热体 Heater body	压铸铝 die-cast aluminum (glass bead blasted)
连接外壳 Connection casing	黑色塑料UL94V-0 plastic according to UL94V-0, black
轴流风机，滚珠轴承 Axial fan, ball bearing	使用寿命Service life 50,000h@+25℃（+77℉）
接线方式 Connection	多股线0.5-1.5mm²，单股线0.5-2.5mm²，最大扭矩0.8Nm stranded wire 0.5-1.5mm², rigid wire 0.5-2.5mm², torque 0.8Nm max.
安装方式 Mounting	35mm DIN 导轨卡装 clip for 35mm DIN rail, EN 60715
安装方向 Fitting position	自行选择，垂直尤佳 Vertical airflow (air outlet up)-other fitting positions possible
工作/存储温度 Operating/Storage temperature	-45～+70℃（-49～+158℉）
工作/存储湿度 Operating/Storage humidity	最大90%RH（无凝露） max.90%RH(non-condensing)
防护等级/保护等级 Protection type/Protection class	IP20/ I (接地) IP20/ I (earthed)



a.)风向 Air direction b.)标贴位 Type plate
c.)轴流风扇 Axial fan d.)卡扣 Clip UNITS:mm

接线示意图 Example of connection



重要提示：加热器只能与风扇一起工作，过热危险。
Important note: Heater may only be operated together with fan.
Danger of overheating!

不带风扇的加热器 Hearters without fan

型号 Type	订货号 P.N.(115VAC)	订货号 P.N.(230VAC)	加热功率[1] Heating capacity[1]	保险丝（延时）(230/115VAC) Pre-fuse T(time delay)	外形尺寸 Dimensions(W×D×H)	重量 Weight
SH100SF	SH100SF1-2	SH100SF2-2	100W	1.0A/1.4A	80×112×22mm	0.40Kg
SH150SF	SH150SF1-2	SH150SF2-2	150W	1.3A/2.0A	80×112×22mm	0.40Kg
SH200SF	SH200SF1-2	SH200SF2-2	200W	1.4A/2.5A	119×151×22mm	0.50Kg
SH300SF	SH300SF1-2	SH300SF2-2	300W	2.0A/4.0A	119×151×22mm	0.50Kg
SH400SF	SH400SF1-2	SH400SF2-2	400W	4.0A/5.0A	119×151×22mm	0.50Kg

带风扇的加热器 Hearters with fan

型号 Type	订货号 P.N.(115VAC)	订货号 P.N.(230VAC)	加热功率[1] Heating capacity[1]	保险丝（延时）(230/115VAC) Pre-fuse T(time delay)	无阻风量 Free airflow	外形尺寸 Dimensions(W×D×H)	重量 Weight
SH100SF	SH100SF1	SH100SF2	100W	1.0A/1.4A	35 m³/h	80×112×47mm	0.60Kg
SH150SF	SH150SF1	SH150SF2	150W	1.3A/2.0A	35 m³/h	80×112×47mm	0.60Kg
SH200SF	SH200SF1	SH200SF2	200W	1.4A/2.5A	108 m³/h	119×151×47mm	0.90Kg
SH300SF	SH300SF1	SH300SF2	300W	2.0A/4.0A	108 m³/h	119×151×47mm	0.90Kg
SH400SF	SH400SF1	SH400SF2	400W	4.0A/5.0A	108 m³/h	119×151×47mm	0.90Kg

在环境温度20℃时 at 20°C(+68°F) ambient temperature

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温控高能风扇加热器
COMPACT HIGH-PERFORMANCE FAN HEATER
SH950FF-SH1200FF

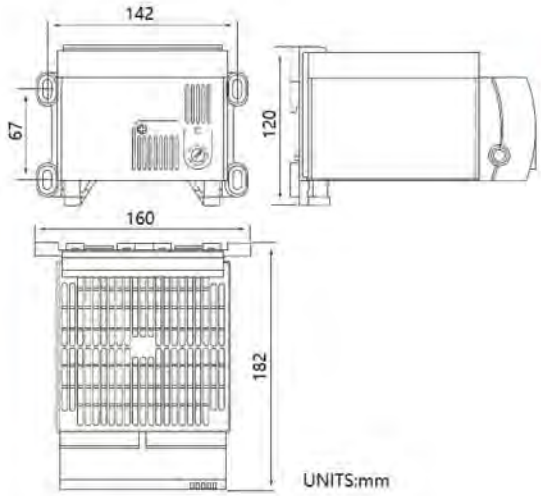
- 紧凑型设计
- 高加热性能
- 集成温控（可选）
- 双绝缘
- 集成温控
- 导轨卡装或螺丝固定

- Compact design
- High heating performance
- Integrated thermostat (optional)
- Double insulated
- Integrated thermostat
- Optional clip or screw fixing

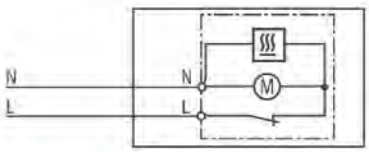
本系列加热器可防止机柜内产生凝露或霜冻，并确保机柜内热量迅速均匀分布。采用塑料外壳从而达到双重绝缘，起接触保护作用。集成可调节温控(可选)，方便用户设定机柜内所需温度。

The compact high performance fan heater prevents formation of condensation and frost and provides an evenly distributed interior air temperatures with electric/electronic components .The plastic housing provides double insulation and acts as protection against contact .The fan heater is available with optional integrated thermostat for temperature control.

CE RoHS



接线示意图 Example of connection



技术参数 TECHNICAL DATA

加热元件 Heating element	PTC温度限定 PTC resistor-temperature limiting
过热保护 Temperature safety cut-out	防止风扇故障导致加热器过热，自动复位 to protect against overheating in case of fan failure, automatic reset
轴流风机，滚珠轴承 Axial fan, ball bearing	无阻力风量Free airflow 160m³/h 使用寿命Service life 50,000h@+25℃（+77℉）
接线方式 Connection	多股线0.5-1.5mm²，单股线0.5-2.5mm²， 最大扭矩0.8Nm stranded wire 0.5-1.5mm², rigid wire 0.5-2.5mm², torque 0.8Nm max.
外壳材料 Casing	黑色塑料UL94 V-0 plastic according to UL94 V-0, black
安装方式 Mounting	35mm DIN 导轨卡装，或螺丝安装（M6） clip for 35mm DIN rail, EN 60715 or screw fixing (M6)
安装方向 Fitting position	自行选择，垂直尤佳 Vertical airflow (air outlet up)-other fitting positions possible
工作/存储温度 Operating/Storage temperature	-45～+70℃（-49～+158℉）
工作/储存湿度 Operating/Storage humidity	最大90%RH（无凝露） max.90%RH(non-condensing)
防护等级/保护等级 Protection type/Protection class	IP20/Ⅱ（双绝缘） IP20/Ⅱ(double Insulated)

型号 Type	订货号 P.N.	工作电压 Operating voltage	加热功率[1] Heating capacity[1]	启动电流 Inrush current max.	设定范围[2] Setting range[2]	重量 Weight
SH950FF	SH950FF2	230VAC,50/60Hz	950W	8A	0~+60℃	1.3Kg
	SH950FF2-2	230VAC,50/60Hz	950W	8A	-	1.3Kg
	SH950FF1	115VAC,50/60Hz	950W	12A	+32~+140℉	1.3Kg
	SH950FF1-2	115VAC,50/60Hz	950W	12A	-	1.3Kg
SH1200FF	SH1200FF2	230VAC,50/60Hz	1200W	13A	0~+60℃	1.3Kg
	SH1200FF2-2	230VAC,50/60Hz	1200W	13A	-	1.3Kg
	SH1200FF1	115VAC,50/60Hz	1200W	16A	+32~+140℉	1.3Kg
	SH1200FF1-2	115VAC,50/60Hz	1200W	16A	-	1.3Kg

[1] 在环境温度20℃时 [1]at 20°C(+68°F) ambient temperature
[2]切换温差7K(±4K公差) [2]Switch temperature difference 7K(±4K tolerance)

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小型机械式温控器
SMALL COMPACT MECHANICAL THERMOSTAT
ST510-ST520-ST530

- 宽设定范围 Large setting range
- 小尺寸 Small size
- 高切换性能 High switching performance
- 接线便捷 Easily accessible terminals
- 导轨卡装 Clip fixing

本系列温控器包括两种型号，常闭和常开。通过温控器与风扇、加热器组合使用，对电气柜内进行温度控制。其独特的按需使用模式可有效节能，并提高风扇和加热器的使用效率和寿命。

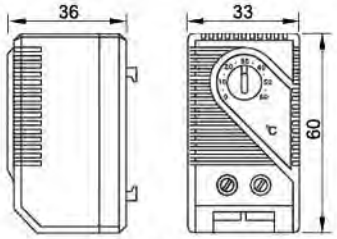
The series models are used for temperature control in the electric cabinet through the combination of a thermostat, a fan and a heater. Its unique on-demand use mode can save energy, and improve the efficiency and life of the fan and heater.

CE RoHS

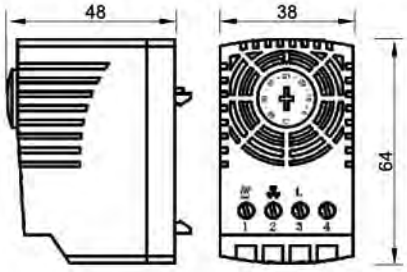
技术参数TECHNICAL DATA

ST510/常闭-红 NC-red	当温度上升达到设定值时，线路断开 When the temperature rises and reaches the set value, the contact opens
ST520/常开-兰 NO-blue	当温度上升达到设定值时，线路闭合 When the temperature rises and reaches the set value, the contact closes
ST530/常闭+常开-白 NC+NO-white	当温度上升达到设定值时，触点状态 翻转 When the temperature rises to the set value, the contact state is reversed
切换温差 Switch temperature difference	7K(±4K公差) 7K(±4K tolerance)
感应元件 Sensor element	双金属片 thermostatic bimetal
触点类型 Contact type	突跳式 snap-action contact
使用寿命 Service life	>100,000周期 >100,000cycles
最大切换量 Max. switching capacity	250VAC,10(2*)A 120 VAC,15(2*)A DC 30W at 24VDC to 72VDC
最大启动电流 Max. inrush current	AC 16A 10秒 AC 16A for 10 sec.
接线方式 Connection	多股线1.5mm², 单股线2.5mm², 最大扭矩0.5Nm stranded wire 1.5mm², rigid wire 2.5mm², torque 0.5Nm max.
安装方式 Mounting	35mm DIN导轨卡装 clip for 35mm DIN rail, EN 60715
壳体材料 Casing	塑料UL94V-0, RAL7035 plastic according to UL94 V-0, RAL7035
安装方向 Fitting position	任意 variable
工作/存储温度 Operating/Storage temperature	-45 ~+80°C(-49 ~+176°F)
工作/存储湿度 Operating/Storage humidity	最大95%RH（无凝露） max.95%RH(non-condensing)
防护等级 Protection type	IP20

*感性负载 Inductive load

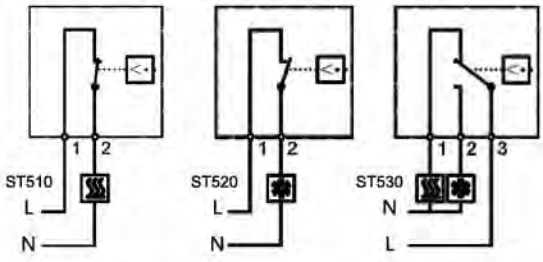


▲ ST510/ST520



▲ ST530

接线示意图
Example of connection



加热器 Heater　　风扇、冷却装置、信号装置 Fan,cool equipment, signal device

型号(常闭) Type(NC)	订货号 P.N.	重量 Weight	型号(常开) Type(NO)	订货号 P.N.	重量 Weight	型号(常开+常闭) Type(NO+NC)	订货号 P.N.	重量 Weight	设定范围 Setting range
ST510	ST510(0+60)	40g	ST520	ST520(0+60)	40g	ST530	ST530(0+60)	60g	0~+60°C
	ST510(-20+40)			ST520(-20+40)			ST530(-20+40)		-20~+40°C
	ST510(20+80)			ST520(20+80)			ST530(20+80)		20~+80°C
	ST510(-10+50)			ST520(-10+50)			ST530(-10+50)		-10~+50°C
	ST510(32+140)			ST520(32+140)			ST530(32+140)		+32~+140°F
	ST510(14+122)			ST520(14+122)			ST530(14+122)		+14~+122°F

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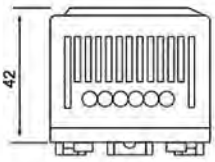
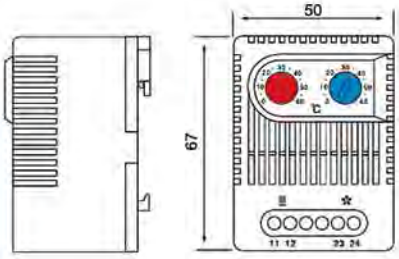
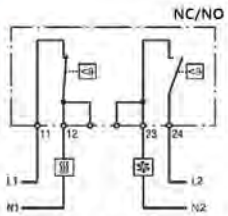
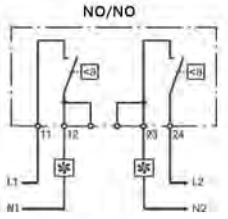
组合机械式温控器
DUAL MECHANICAL THERMOSTAT
ST541-ST543





UNITS:mm





加热器 Heater

风扇、冷却装置、信号装置 Fan,cool equipment, signal device

接线示意图
Example of connection

- 常开/常闭一体化设计
- 独立温度控制
- 高切换性能
- 接线便捷
- 导轨卡装

- NO and NC in one casing
- Separate adjustable temperatures
- High switching capacity
- Easily accessible terminals
- Clip fixing

本系列组合式温控器集成了NC/NO、NO/NO等两个温控单元组合。每个温控单元独立工作，并可以进行不同的温度调节。
This series of thermostat integrates two thermostat units, such as NC/NO, NO/NO .Each thermostat unit operates independently and can be adjusted for different temperatures.

CE RoHS

技术参数 TECHNICAL DATA

常闭-红 NC-red	当温度上升达到设定值时，线路断开 When the temperature rises and reaches the set value, the contact opens
常开-兰 NO-blue	当温度上升达到设定值时，线路闭合 When the temperature rises and reaches the set value, the contact closes
切换温差 Switch temperature difference	7K(±4K公差) 7K(±4K tolerance)
感应元件 Sensor element	双金属片 thermostatic bimetal
触点类型 Contact type	突跳式 snap-action contact
使用寿命 Service life	>100,000周期 >100,000cycles
最大切换量 Max. switching capacity	250VAC,10(2*)A 120 VAC,15(2*)A DC 30W at 24VDC to 72VDC
最大启动电流 Max. inrush current	AC 16A 10秒 AC 16A for 10 sec.
接线方式 Connection	多股线1.5mm²，单股线2.5mm²，最大扭矩0.5Nm stranded wire 1.5mm², rigid wire 2.5mm², torque 0.5Nm max.
壳体材料 Casing	塑料UL94V-0、RAL7035 plastic according to UL94 V-0, RAL7035
安装方式 Mounting	35mm DIN导轨卡扣安装 clip for 35mm DIN rail, EN 60715
重量 Weight	约90g approx. 90g
安装方向 Fitting position	任意 variable
工作/存储温度 Operating/Storage temperature	-45 ~ +80°C(-49 ~ +176°F)
工作/存储湿度 Operating/Storage humidity	最大95%RH（无凝露） max.95%RH(non-condensing)
防护等级 Protection type	IP20

*感性负载 Inductive load

型号 Type	订货号 P.N.	适用于控制 Apply to	触点类型 Contact type	设定范围² Setting range²
ST541	ST541	风扇+加热器 Fan + Heater	NC/NO	0~+60°C/0~+60°C
	ST541-2	风扇+加热器 Fan + Heater	NC/NO	+32~+140°F/+32~+140°F
ST542	ST542	风扇+加热器 Fan + Heater	NC/NO	-10~+50°C/+20~+80°C
	ST542-2	风扇+加热器 Fan + Heater	NC/NO	+14~+122°F/+68~+176°F
ST543	ST543	风扇+信号装置 Fan+Signal device	NO/NO	0~+60°C/0~+60°C
	ST543-2	风扇+信号装置 Fan+Signal device	NO/NO	+32~+140°F/+32~+140°F

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电子式温控器
ELECTRONIC THERMOSTAT
ST550

- 宽设定范围 / Large setting range
- 转换触点 / Change-over contacy
- 高切换性能 / High switching performance
- 接线便捷 / Easily accessible terminals
- 导轨卡装 / Clip fixing

电子恒温器用于控制加热和冷却设备、过滤风扇或信号装置。恒温器监测周围的空气，并可以通过带有转换触点的继电器切换电感或电阻负载。

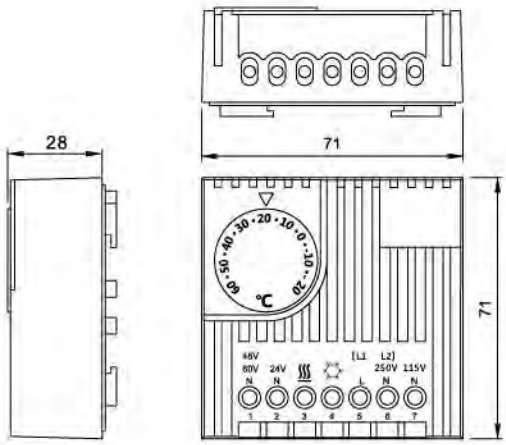
The electronic thermostat is used for controlling heating and cooling equipment, filter fans or signal devices. The thermostat registers the surrounding air and can switch both and inductive and resistive loads via relay with change-over contact.

CE RoHS

技术参数TECHNICAL DATA

切换温差 Switch temperature difference	4K(±1K公差)在+20℃时 4K(±1K tolerance) at+20℃
反应时间 Reaction time	约5秒 approx. 5 sec.
感应元件 Sensor element	NTC
触点类型 Contact type	转换式 change-over contact
使用寿命 Service life	>50000周期 >50000 cycles
最大切换量 Max. switching capacity	5-3:AC10(4*)A，5-4：AC5(4*)A DC 100W at 24VDC to 60VDC
最大启动电流 Max. inrush current	AC 16A 10秒 AC 16A for 10 sec.
接线方式 Connection	多股线1.5mm²，单股线2.5mm²，最大扭矩0.5Nm stranded wire 1.5mm², rigid wire 2.5mm², torque 0.5Nm max.
安装方式 Mounting	35mm DIN导轨卡装 clip for 35mm DIN rail, EN 60715
壳体材料 Casing	塑料UL94V-0，RAL7035 plastic according to UL94 V-0, RAL7035
重量 Weight	约40g approx. 40g
安装方向 Fitting position	垂直 vertical
工作/存储温度 Operating/Storage temperature	-40～+85°C(-40～+185°F)
工作/存储湿度 Operating/Storage humidity	最大95%RH（无凝露） max.95%RH(non-condensing)
防护等级 Protection type	IP20

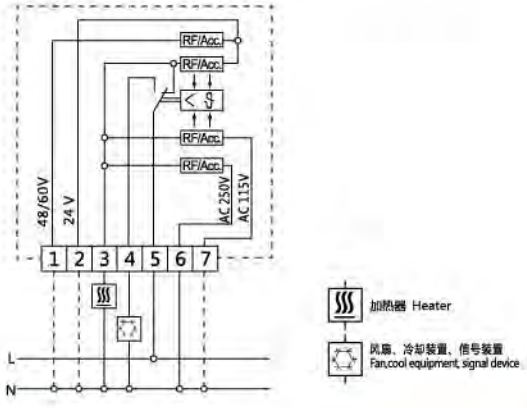
*感性负载 Inductive load



UNITS:mm

48V 60V N	24V N			(L1) L	(L2) 250V N	115V N
1	2	3	4	5	6	7

接线示意图
Example of connection



型号 Type	订货号 P.N.	设定范围 Setting range	工作电压 Operating voltage
ST550	ST550(-20+60)	-20～+60℃	115/230VAC,50/60Hz
	ST550(-4+140)	-4～+140℉	24/48/60VDC

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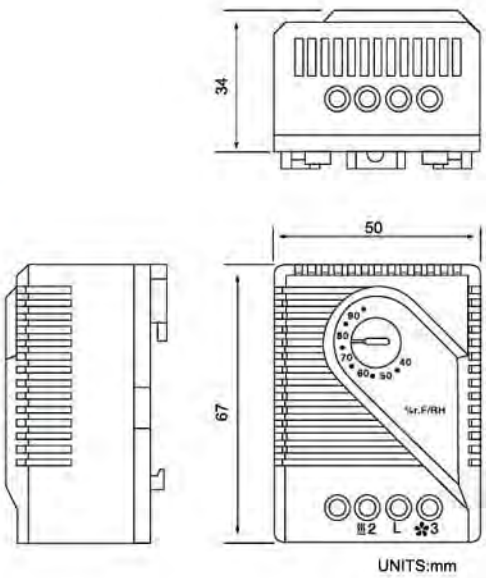
机械式湿控器
MECHANICAL HYGROSTAT
SHC620

- 调节相对湿度
- 换向触点
- 高切换性能
- 接线便捷
- 导轨卡装

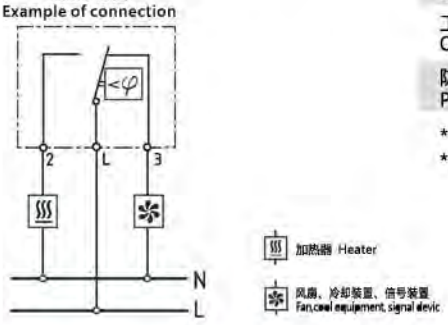
- Adjustable relative humidity
- Change-over contact
- High switching capacity
- Easily accessible terminals
- Clip fixing.

当机柜内相对湿度达到本系列湿控器的预设值时（比如65%RH），驱动加热器或风扇工作，确保湿度保持在露点之上，防止产生冷凝水而导致元器件的腐蚀。
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



UNITS:mm

接线示意图
Example of connection



技术参数TECHNICAL DATA

切换差* Switch difference*	5%RH(±3%公差) 5%RH(±3% tolerance)
感应原件 Sensor element	聚酰胺 polyamide
允许风速 Permissible air velocity	15m/秒 15m/sec.
触点类型 Contact type	转换触点 change-over contact
使用寿命 Service life	>50.000周期 >50.000cycles
最小切换量 Min. switching capacity	20V AC/DC 100mA
最大切换量 Max. switching capacity	250VAC,5(0.2**)A DC 20W
接线方式 Connection	多股线1.5mm²，单股线2.5mm²，最大扭矩0.5Nm stranded wire 1.5mm², rigid wire 2.5mm², torque 0.5Nm max.
安装方式 Mounting	35mm DIN导轨卡装 clip for 35mm DIN rail, EN 60715
壳体材料 Casing	塑料UL94V-0，RAL7035 plastic according to UL94 V-0, RAL7035
安装方向 Fitting position	任意 variable
工作/存储温度 Operating/Storage temperature	0~ +60°C(+32~+140°F)/ -40~+60°C(-40~+140°F)
工作/存储湿度 Operating/Storage humidity	最大95%RH（无凝露） max.95%RH(non-condensing)
防护等级 Protection type	IP20

*50%RH时 at50%RH
**感性负载 Inductive load

型号 Type	订货号 P.N.	设定范围 Setting range	重量 Weight
SHC620	SHC620(35-95)	35~95%RH	90g

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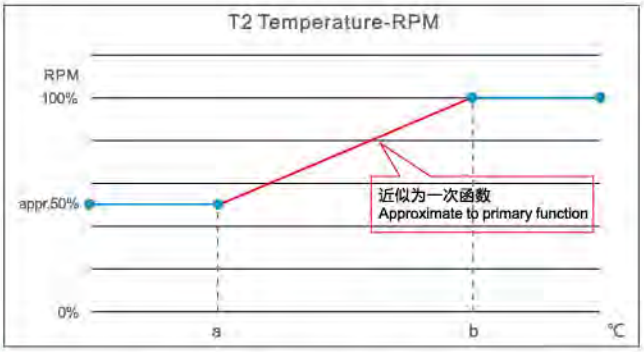
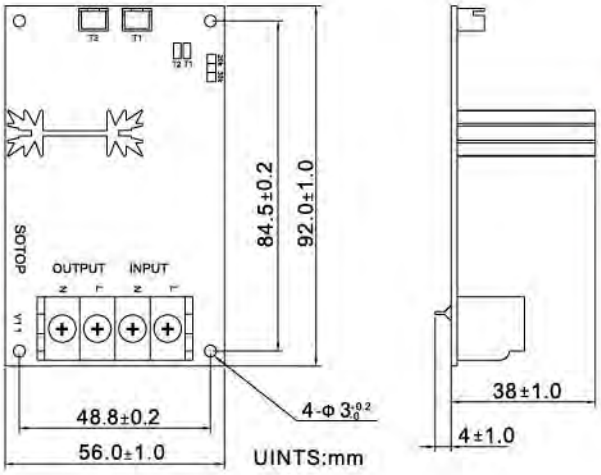
SE100 温控调速模块
Speed Regulation Module



- T1侦测温度(放于发热源进风口)≥45℃时负载（风扇）转速100%; T1侦测温度＜45℃时根据T2侦测温度(放于发热源出风口)调速，见上图。
  When the T1 detection temperature is ≥ 45 ℃, the load (fan) speed is 100%; When the T1 detection temperature is < 45 ℃, the speed is adjusted according to the T2 detection temperature, as shown in the figure above.
- 板载插针在20K位置时（默认）：a=30℃，b=50℃；
  板载插针在30K位置时：a=35℃，b=65℃；
  When the on-board pin is at 20K(default), a=30℃, b=50℃; when the on-board pin is at 30K, a=35℃, b=65℃;



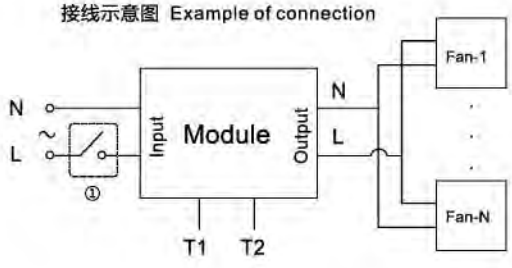
技术参数 TECHNICAL DATA

最大负载功率 Max. Load Power	2000W(阻性), 700W(风扇*) 2000W(Resistive load), 700W(Fan*)
寿命预估 Life Expectancy	100000hrs at 40℃
调压器件 Voltage Regulator	SCR
温控线 Temperature Control Line	2x1.5m, 侦测精度,接入后相应的指示灯亮起/ 2x1.5m, detection accuracy ±1K The corresponding indicator lights up after being connected
接线方式 Connection	4位螺钉端子, 300V/25A Screw terminal, 4-position 300V/25A
工作/储存温度 Operating/Storage temperature	-20~55℃
工作/存储湿度 Operating/Storage humidity	Max.90%RH(non-condensing)

*最佳为我司指定的风扇，其他风扇不一定匹配。
The most suitable fan is designated by our company.
Other fan may not match.

		工作电压 Operationg Voltage
SE100	SE100	230VAC(220~240VAC) 50/60Hz

接线示意图 Example of connection



①风扇电源开关务必置于模块INPUT前端
The power switch of the fan must be placed in front of the input terminal of the module.

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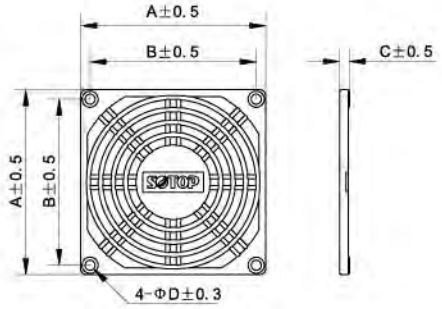
塑胶护网
Plastic finger guard

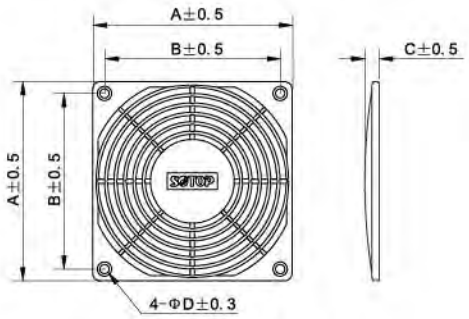
- 材质：ABS
- 防护等级：IP20
- 颜色：黑色，其他颜色可定制

- Material : ABS
- IP Standard : IP20
- Color : Black, customized other

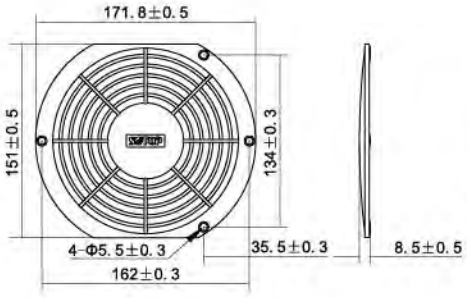
型号 Model		A	B	C	D	适合风扇 Suitable for fan
A款 A type	SF808B	80	71.5	5	5.0	SF8025/8038
	SF809B	92	82.5	5	5.0	SF9225/9238
B款 B type	SF812B	119	104.8	8.6	5.5	SF1225/1238
	SF818B	180	153	10.3	5.5	SF1806
	SF820B	207.5	174	10.5	6.0	SF2072



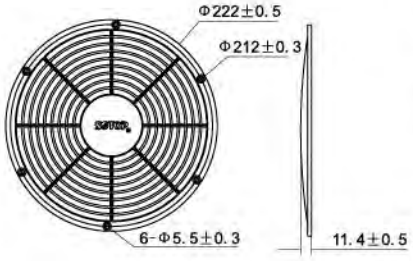
A 款 / A Type



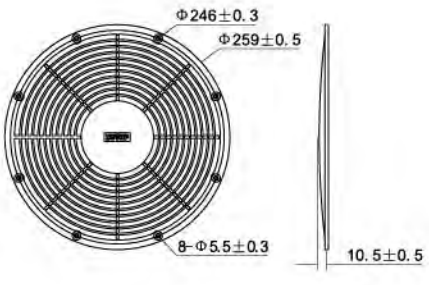
B 款 / B Type



型号Model ：SF817B
适合风扇Suitable for fan：SF1725/17255



型号Model ：SF822B
适合风扇Suitable for fan：SF2206/2208



型号Model ：SF825B
适合风扇Suitable for fan：SF2509

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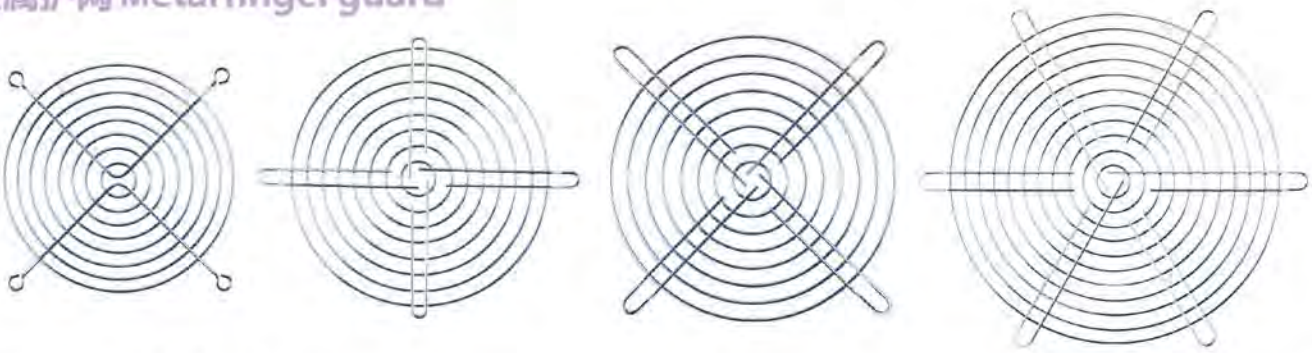
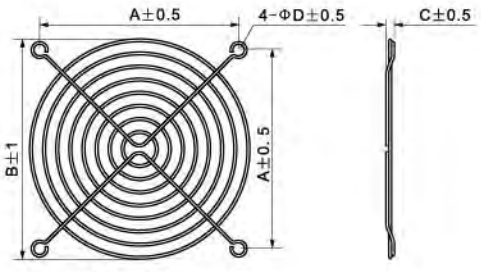
金属护网 Metal finger guard



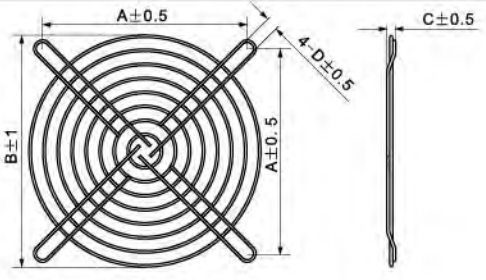
材质：金属镀铬　　Material : Chromium plating metal

防护等级：IP20　　IP Standard : IP20

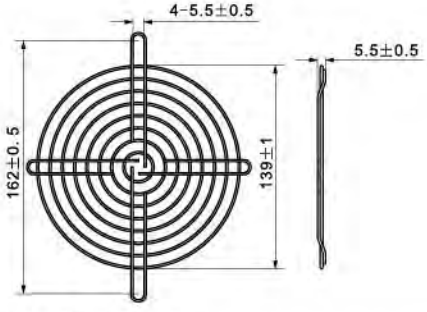
型号 Model		A	B	C	D	适合风扇 Suitable for fan
A 款 A type	MG25	20	19.5	3	3.5	SF2510
	MG30	24	21.5	4	3.5	SF3010
	MG40	32	41	4	4.5	SF4010/4015/4020/4028
	MG50	40	41	5	4.5	SF5010/5015
	MG60	50	53.5	5	5	SF6015/6025/6038
	MG70	61	66.5	5	5	SF7025
	MG80	71.5	74.5	5	5	SF8015/8025/8038
	MG92	82.5	88.5	5	5	SF9225/9238
	MG120	105	115	5	5	SF1225/1238
B 款 B type	MG150	122	139	5.5	5.5	SF1525
	MG160	138	155	5.5	7.5	SF1606
	MG180	153	174	5.5	7.5	SF1806
	MG200	174	207	6	7	SF2072/2509
	MG200-S	170	208	6	5.5	SF22580/2206-S/2006
	MG280	209	260	6	6.5	SF28080



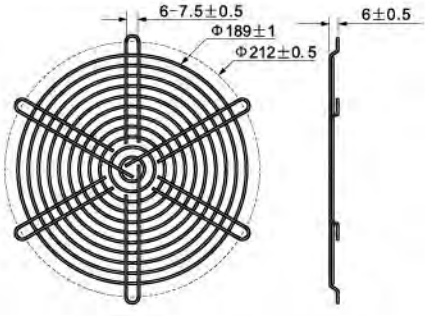
A 款 / A Type



B 款 / B Type



型号 Model ：MG172
适合风扇 Suitable for fan：SF17023/1725/17255



型号 Model ：MG220
适合风扇 Suitable for fan：SF2206/2208

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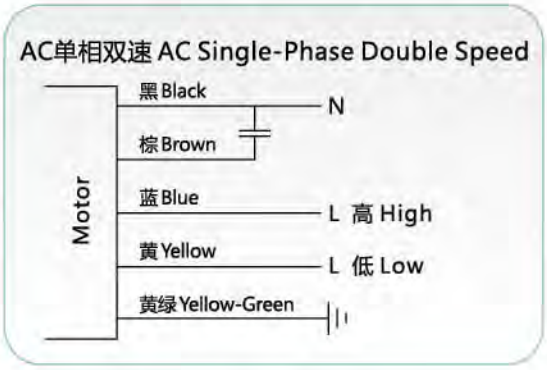
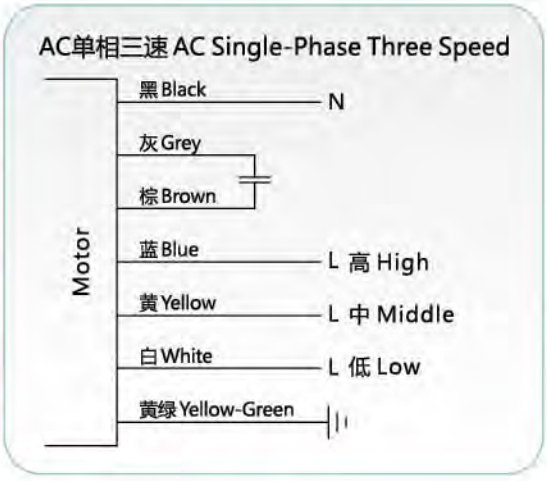
风扇接线图
Electrical Connections For Fans





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便签页 Notes page

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SOTOP

源顶电气（上海）有限公司

Sotop Electric(Shanghai) Co.,Ltd.

Tel:+86-21-5186-0885
Fax:+86-21-5186-2035
E-mail: sales@sotopelectric.com
www.sotopelectric.com

Website for Mobile

Q-FLEX

Avantintie 7, FI-21420 Lieto
+358 2 4894 500
info@q-flex.fi | q-flex.fi