

KAKU

上海卡固電設有限公司
Shanghai KAKU Electric Equipment Co., Ltd.
地址 / Add: 上海青浦崑崙265118號(崑崙商場)17層2651C04H-200033
SUNSHINE TOWER 16F, Shanghai 200033
電話 / Tel: 86-021-6426-0132 8426-0133 6426-0134
傳真 / Fax: 86-021-6426-2344
E-mail: kakush@online.sh.cn

臺灣卡固科技有限公司
Taiwan KAKU Technology Co., Ltd.
地址 / Add: 台北市板橋區板橋路103號7樓
7F No. 103 Xinyi Rd. Banqiao, Taiwan, Xinbei District
電話 / Tel: 886-2-8951-6644
傳真 / Fax: 886-2-8951-6700
E-mail: kaku8922@yahoo.com.cn

韓國卡固貿易株式會社 (P) 한국가쿠무역
Korea KAKU Trading Co., Ltd.
서울시 강남구 가산동 345-902 광역시청3기마일리 3608 호 (153-706)
Tel: 02-391-0052 / 0631-0630
Fax: 02-661-0151
E-mail: koreakaku@naver.com

www.shKAKU.com



卡固電設

KAKU Electric Equipment



全新專利設計
通風過濾網P3系列
VENTILATOR FILTER UNIT (P3)



KAKU

kaku.



- 4) 提供濾棉免費更換服務
(截止2018.12.31)
PS: 濾棉壽命期為6個月。
建議定期更換。



- 材質: ABS (適用溫度範圍: -10°C~+85°C), PC (適用溫度範圍: -20°C~+120°C) 認證: UL94V-0, IP44, ROHS, (Reach可選配)
ABS 及 PC 材質的選用, 添加了阻燃及抗紫外線特性, 濾網材質選用優質尼龍纖維合成樹脂, 除塵率高達AFI 80% (AFI=JAPAN AIRFILTER INSTITUTE), 可反復拆洗使用。

Material: ABS (scope of temperature: -10°C~+85°C), PC (scope of temperature: -20°C~+120°C) Certification : UL94V-0, IP44, ROHS, (Reach is an option). Different good quality material made of non-flammable ABS plus imported Nylon fiber synthetic make sue AFI up to 80%.

● 全新抽拉式人性化設計，極大程度上考慮到濾棉更換的便捷性，同時避免了濾棉更換過程中可能發生的電氣隱患。外框超薄型設計，多規格風機搭配選擇，全新設計理念，密封條一體滾造成型達到最佳空氣流量及防塵防水效果。

New withdrawing design, considering the convenience of filter cotton to replace on the great degree, at the same time avoid the electrical hazards may occur in the process of replacement of filter cotton. New designed filter can match multiple fan specification. Integrated forming prepressing sealing strip design increase the sealing effect.

● 全新濾網延續之前經典后部預埋螺帽設計，根據客戶風量要求搭配不同型號風機使用，使得通風過濾效能得以提升。
New designed filter continue using classical design which make sure different fan can be assembled on the units which increased the ventilation effect.

- 全新設計搭配節能型EC風機，可有效確保控制器及精密零件之有效散熱，延長使用壽命，降低故障率。

New filter units equipped with EC high efficiency fans can increase the service life of electric components.

卡固電設 輔件世家

Technical drawings of three types of diffusers:

- PU 0001 A P3 (Acoustic)
- PU 0001 A P3 (Acoustic)
- PU 0001 A P3 (Acoustic)

Dimensions shown:

- Top view: 150mm width, 100mm height
- Side view: 20mm depth, 10mm spacing
- Scale: 0.50mm

可選配的风機 Fans

80-Series fan	KA8025, KA8038, EC8025
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型 號 Model	包裝數 Package quantity	材質 Material					耐溫度 Temperature tolerance	耐腐蝕 Protection Grade
		面紙 Cover	底紙 Bottom	通線模圈 Filter collar	通線材 Filter	密封圈 Sealing ring		
FU 9801 A P3	20 PC/Box	ABS	ABS	-	Nylon	PU	-10~+55°C	IP44

請與更換該當當地分公司或代理商！ Please contact the local branch or agent for filter cotton replacement.

可選配的風機 Fans

92- Series fan	KA9225, KA9238, EC9225
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型號 Model	包裝數 Package quantity	材質 Material					耐溫溫度 Temperature tolerance	保護等級 Protection Grade
		面紙 Cover	底紙 Bottom	濾網顏色 Filter color	濾網材質 Filter material	密封圈 Sealing ring		
FU 9802 A P3	20 PC/Box	ABS	ABS	-	Nylon	PU	-10~+55°C	IP44

濾棉更換請洽當地分公司或代理商！ Please contact the local branch or agent for filter cotton replacement.

最新數據諮詢，請與客服聯繫！ Please contact customer service in case any update information!

FU 9803 P3



可選配的风機 Fans

型號	包裝數量	材料	Material	耐溫溫度	Protection
Model	Package quantity	Cover	Frame	Temperature tolerance	Grade
FU 9803 A P3 20 PC/Box	ABS	ABS	Nylon PU	-10~+55°C	IP44

參數表 Specification

RoHS REACH

請與就近銷售商或分公司或代理商！ Please contact the local branch or agent for filter cotton replacement.

FU 9805 P3



可選配的风機 Fans

型號	包裝數量	材料	Material	耐溫溫度	Protection
Model	Package quantity	Cover	Frame	Temperature tolerance	Grade
172-Series fan	KA1725, KA1705, KA1703, KA1705, KA1725/6	KA1725, EC172, EC1723, EC1725, EC1725/6, EC1725/9	KA1806, EC1806	-10~+55°C	IP44
180-Series fan	KA2206, KA2208, EC2206, EC2208	KA2272, EC2272			

參數表 Specification

RoHS REACH

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FU 9804 P3



可選配的风機 Fans

型號	包裝數量	材料	Material	耐溫溫度	Protection
Model	Package quantity	Cover	Frame	Temperature tolerance	Grade
120-Series fan	KA1225, KA1238, EC1225, EC1238, EC1238	KA1225, KA1238, KA1238	KA1725, KA1725, KA1725, KA1725/6	-10~+55°C	IP44
172-Series fan	KA1725/6, KA1725/9, EC1723, EC1723, EC1725/6, EC1725/9				

參數表 Specification

RoHS REACH

請與就近銷售商或分公司或代理商！ Please contact the local branch or agent for filter cotton replacement.

FU 9806 P3



可選配的风機 Fans

型號	包裝數量	材料	Material	耐溫溫度	Protection
Model	Package quantity	Cover	Frame	Temperature tolerance	Grade
180-Series fan	KA1806, EC1806	KA2206, KA2208, EC2206, EC2208	KA2209, EC2209	-10~+65°C	IP44
207-Series fan	KA2072, EC2072				

參數表 Specification

RoHS REACH

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盤用天井式散熱裝置 Roof Mount Ventilating Filter

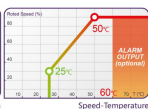
RF-190



Top



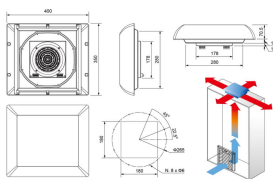
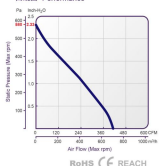
Bottom



Speed-Temperature

特 性	Features	単位 Unit	RFEC190
風扇風量	Fan or flow air flow rate	cm ³ (CFM)	700 (43)
風扇風量風量	Fan + Tower air flow rate	cm ³ (CFM)	632 (37)
额定電壓	Rated voltage	V	26VDC 48VDC 110VDC 150VDC 220VAC
额定温度	Rated temperature	℃	< 25 25 30 35 40 45 > 50
额定功率	Rated Power	W	Off 8 15 50 65 80 85
额定速度	Rated speed	mm	Off 1160 2350 2600 2800 3000 3190
外形尺寸	Dimensions	mm	429 355 116
使用方式	Under protection -		By IC
电气使用方式	Electrical connection	-	Terminal
控制形式	Control type	-	100%
特殊使用方式	Special function (optional)	-	FG/RFMM to +10VDC
工作温度	Operating temperature	℃	-20~140
工作湿度	Protection grade	-	IPM4
噪音值	Noise level	dB(A)	0~78
RF100-48VDC/UR000	RF100-48VDC UR000	cm ³ (CFM)	581 (341)
使用方式	Direction of the air flow	-	Reverse + outside
使用方式	Bearing system	-	Bearings
控制形式	Alarm output (optional)	-	> 60°C 温度报警 (警报)
额定重量/重量	Weight	kg	Mg
额定重量/重量	Weight (N) / G.W./N	Kg	437.4 (9)
外形包尺寸	Packaging dimensions WxHxD	mm	459 x 450 x 136
外形包尺寸	Conformity	-	CE
认证	Certification	-	UL, RoHS

曲綫圖 Performance



■ 盤用天井式散熱裝置 Roof Mount Ventilating Filter

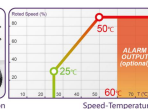
RF-220



Bottom



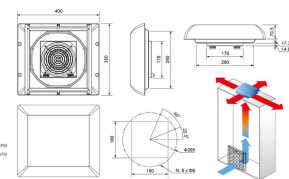
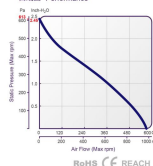
Internal decomposition



Speed-Temperatur

特性	Features	単位 Unit.	RF-EC220
風速範囲	Fan air flow rate	m³/min (CFM)	972 (672)
送風能力	Fan + Tower air flow rate	m³/min (CFM)	874 (514)
定格電圧	Rated voltage	V	24VDC
動作温度範囲	Operating Temperature	°C	-25 ~ 55 -10 ~ 50
湿度調整機能	Humidity control	%RH	40 ~ 90
電源仕様	Power Power	W	42
消費電力	Consumed power	W	57
冷却方式	Cooling method		70 88 102
騒音レベル	Noise level	dBA	2000 2600 2800 2800 2800
外形寸法	Dimensions	mm (in.)	400 x 300 x 150
重量	Weight	kg	By IC
接続方法	Electrical connection		Terminal
制御モード	Control mode		100%
制御機能	Specific function (optional)		FQIRPM15 = 10VDC
作動温度	Operating temperature	°C	20~40
保護等級	Protection grade		IP44
振動値	Vibration	m/s²	< 0.79
RF100-64U/U800	RF100-64U/U800 capacity	m³/min (CFM)	801 (447)
送風方向	Direction of the fan		Inside → outside
回転速度	Rotation speed	r/min (rpm)	Bearings
警告出力(選装)	Alarm output (optional)		> 80°C (176°F) (選装)
材料	Material		Mg
最大重量・重量	Max weight / Weight	kg	4.5 / 5.5
パッケージ寸法	Package dimensions mm/inch		45E / 40E
適合規格	Conformity		CE
付属品	Accessories		RAL TDS

曲綫圖 Performance



通風網家族全新登場
A fresh start on filter family



通風過濾網組與風機規格一覽 Specification of the Ventilator Filer Unit & Cooling Fan

型號 Model	外形尺寸 Size mm	有效風量 Air Flow m³/min	最大風速 Air Speed m/s Max	除塵率 Dust Resistance Rate %	壓值耗損 Pressure Loss mmH2O	使用範圍 Usage Area	重量 Weight g	防護等級 Protection Grade
FU 9801 A P2	109*109*29.5	10.0	2.0	80	2.5~20	Indoor -10~55℃	86	IP44
FU 9801 B P2	109*109*44.5	-	1.5	-	-	outdoor -10~55℃	128	IP55
FU 9801 C1 P2	109*109*29.5	-	2.0	-	-	Indoor -10~55℃	96	IP44
FU 9801 C2 P2	109*109*44.5	-	1.5	-	-	outdoor -10~55℃	128	IP55
FU 9802 A P2	121*121*29.5	16.0	2.0	80	2.5~20	Indoor -10~55℃	103	IP44
FU 9802 B P2	121*121*49.5	-	1.5	-	-	outdoor -10~55℃	156	IP55
FU 9802 C1 P2	121*121*29.5	-	2.0	-	-	Indoor -10~55℃	113	IP44
FU 9802 C2 P2	121*121*49.5	-	1.5	-	-	outdoor -10~55℃	156	IP55
FU 9803 A P2	148.5*148.5*29.5	25.0	2.0	80	6.7~20	Indoor -10~55℃	130	IP44
FU 9803 B P2	148.5*148.5*79.5	-	1.5	-	-	outdoor -10~55℃	230	IP55
FU 9803 C1 P2	148.5*148.5*29.5	-	2.0	-	-	Indoor -10~55℃	1130	IP44
FU 9803 C2 P2	148.5*148.5*79.5	-	1.5	-	-	outdoor -10~55℃	230	IP55
FU 9803 A M	148.5*148.5*29.5	25.0	2.0	80	6.7~20	Indoor -50~200℃	386	IP44
FU 9803 B M	148.5*148.5*77.5	-	1.5	-	-	outdoor -50~200℃	606	IP55
FU 9803 C1 M	148.5*148.5*29.5	-	2.0	-	-	Indoor -50~200℃	386	IP44
FU 9803 C2 M	148.5*148.5*77.5	-	1.5	-	-	outdoor -50~200℃	606	IP55
FU 9804 A P2	204*204*29.5	50.0	2.0	80	6.7~20	Indoor -10~55℃	220	IP44
FU 9804 B P2	204*204*97.5	-	1.5	-	-	outdoor -10~55℃	386	IP55
FU 9804 C1 P2	204*204*58.5	-	2.0	-	-	Indoor -10~55℃	291	IP44
FU 9804 C2 P2	204*204*126.5	-	1.5	-	-	outdoor -10~55℃	487	IP55
FU 9804 A M	204*204*33.5	50.0	2.0	80	6.7~20	Indoor -50~200℃	630	IP44
FU 9804 B M	204*204*101.5	-	1.5	-	-	outdoor -50~200℃	1240	IP55
FU 9804 C1 M	204*204*63.5	-	2.0	-	-	Indoor -50~200℃	1040	IP44
FU 9804 C2 M	204*204*131.5	-	1.5	-	-	outdoor -50~200℃	1450	IP55
FU 9805 A P2	255*255*29.5	80.0	2.0	80	6.7~40	Indoor -10~55℃	360	IP44
FU 9805 B P2	255*255*109.5	-	1.5	-	-	outdoor -10~55℃	625	IP55
FU 9805 C1 P2	255*255*58.5	-	2.0	-	-	Indoor -10~55℃	475	IP44
FU 9805 C2 P2	255*255*138.5	-	1.5	-	-	outdoor -10~55℃	735	IP55
FU 9806 A P2	322*322*29.5	120.0	2.0	80	6.7~40	Indoor -10~55℃	545	IP44
FU 9806 B P2	322*322*109.5	-	1.5	-	-	outdoor -10~55℃	950	IP55
FU 9806 C1 P2	322*322*58.5	-	2.0	-	-	Indoor -10~55℃	790	IP44
FU 9806 C2 P2	322*322*138.5	-	1.5	-	-	outdoor -10~55℃	1090	IP55

指額定C1出口風量與尺寸並不包含風機之重量 *C1 & C2 weight does not contain the weight of the fans.

通配分機與通風過濾網規格表 Specification of the Fans fit the Ventilator Filer Unit

型號 Model	可選配的風機 FANS
FU 9801 P3	80-Series fan KA8025, KA8038, EC8025
FU 9802 P3	92-Series fan KA9225, KA9238, EC9225
FU 9803 P3	120-Series fan KA1225, KA1238, EC1225, EC1238, EC12038
FU 9804 P3	120-Series fan KA1225, KA1238, EC1225, EC1238, EC12038
	150-Series fan KA1525, KA15025, KA15023
FU 9804 P3	172-Series fan KA1725, KA17025, KA17023, KA1725/5, KA1725/90, KA1725/9C, EC1725, EC17023, EC1725/5, EC1725/9, EC1725/9C
	172-Series fan KA1725, KA17025, KA17023, KA1725/5, KA1725/90, KA1725/9C, EC1725, EC17023, EC1725/5, EC1725/9, EC1725/9C
FU 9805 P3	180-Series fan KA1806, EC1806
	220-Series fan KA2206, KA2208, KA2072, EC2206, EC2208, EC2072
FU 9806 P3	180-Series fan KA1806, EC1806
	220-Series fan KA2206, KA2208, EC2206, EC2208
	250-Series fan KA2509, EC2509
FU 9806 P3	207-Series fan KA2072, EC2072

風機型號說明 Description of Axial AC Fan Code

