

CATALOG

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COMPANY INTRODUCTION

公司簡介

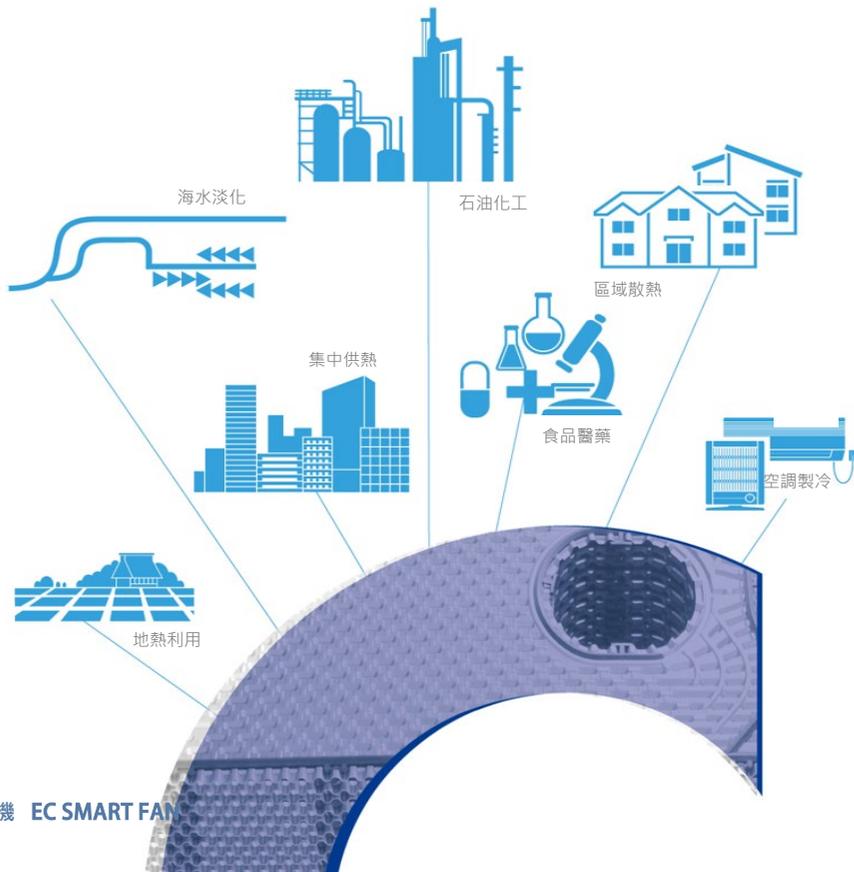
旋佑股份有限公司 創立於2022年，專注於提供高效、環保的散熱解決方案服務。產品範圍包含：板式熱交換器、微通道、風扇、泵浦..等散熱產品，提供全方位的散熱規劃服務，產品廣泛應用於電子、通信、工業設備等領域。

核心價值：專業設計、高效產品

作為 **Alfa Laval** 在台灣地區的授權經銷商，旋佑擁有全球領先的熱交換技術和產品，旨在提供「專業設計、高效產品」，為客戶提供量身訂做的散熱方案。無論是標準化產品或量身訂製的散熱系統，我們始終以品質為本，精益求精，致力於幫助客戶提升產品效能與穩定性。

使命與願景

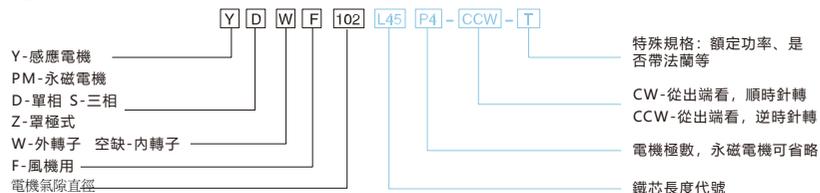
未來，旋佑將持續推動技術創新，拓展市場應用，為各種應用需求提供精確、長效的散熱解決方案。並以卓越的服務與產品品質，以成為客戶企業發展上，最有力的合作夥伴。



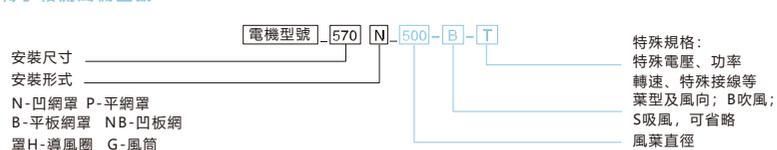
PRODUCT INTRODUCTION

產品介紹

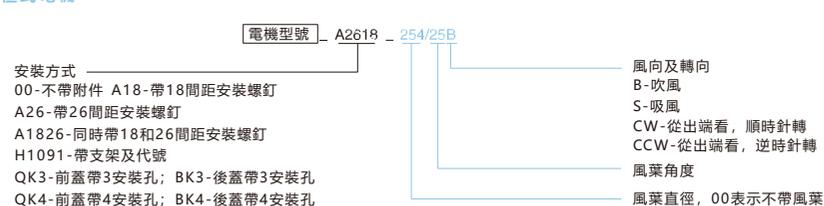
一、電機型號



二、外轉子軸流風機型號



三、罩極式電機



四、電壓

單向風機和380V/50Hz三相風機允許工作電壓範圍為±5%，400V/50Hz三相風機允許工作電壓範圍±10%，三相60Hz風機允許工作電壓範圍為-10%~+20%

五、風向

軸流風機常規產品為吸風式：空氣從風葉經網罩流出。

六、風量曲線

按照GB/T 1236 (IDT ISO 5801)，採用A型風室吸氣試驗裝置，風機運用旋佑導風圈並不帶防護測得，換算到標準大氣壓20°C時的性能，所標壓力為葉輪靜壓psf。使用時，靜壓勿大於對應風量曲線末端。

七、性能參數

參數表所列參數，為風量曲線測試結果中最高靜壓效率時的參數，該靜壓參數下風機能在規定的環境溫度(熱交換空氣溫度)下長時間運行，若其能效值 $N \geq 40$ ，表明該規格風機能效已達ERP2015；未注能效值N，表明該規格風機無需考核ERP2015。噪聲為自由狀態時風機出(45°)1米處的實測值。在非標稱電壓下，運行參數略有偏差，以規格書為準。

八、單相電機內均安裝有熱保護器，其動作溫度為B級-130±5°C，F級-150±5°C。三相電機若需安裝熱保護器，訂貨時應說明。

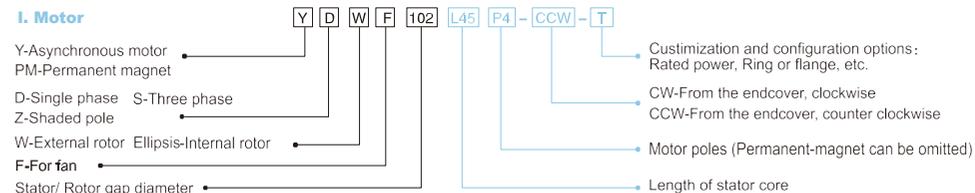
九、當客戶需對外轉子機進行抽頭調速時，為保證低速檔的滑差性能要求，高速檔的轉速和風量相對於常規產品會有所調低。

十、常規產品引出線長度為0.8~1米，特殊長度及裝接線盒需特殊說明。

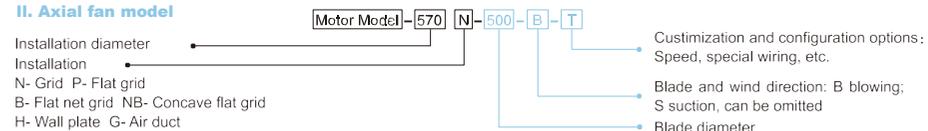
十一、冷風機電機需經特殊工藝處理，以適應低溫潮濕環境工作，訂貨時需說明。

十二、所提供圖片和尺寸僅供參考，具體以旋佑樣機和規格書為準。

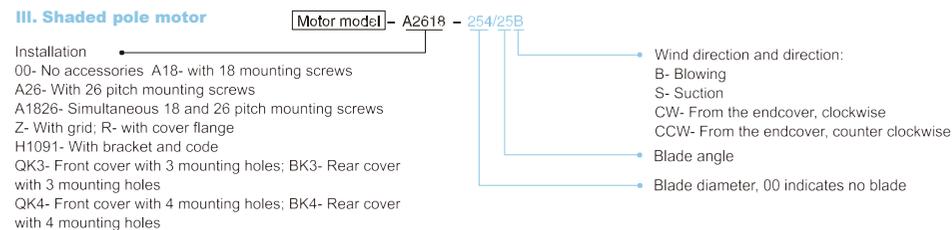
I. Motor



II. Axial fan model



III. Shaded pole motor



IV. Voltage

The allowed working voltage fluctuation range for single phase fan and 380v/50Hz three phase fan is ±5%, while ±10% for 400v/50Hz three phase fan; the allowed working voltage fluctuation range for 60Hz fan is from -10% to +20%.

V. Airflow direction

The regular product for axial fan is suction type: air flows from the blade through the grid.

VI. Airflow curve

According to GB/T 1236(IDT ISO 5801) and using A type wind room air suction test device. The airflow curve is measured by XUYO wall plate without guard, calculating the performance value under standard atmosphere 20 °C. The value here is the impeller static pressure psf. The static pressure should not be higher than the curve end during application.

VII. Performance parameter

The listed parameter is measured at the highest static pressure efficiency, when the fan is able to run for long time under regulated environment temperature. If the energy efficiency value ≥ 40 , then the energy efficiency for the fan is ErP 2015. If N is not mentioned, it means this type of fan has no request on ErP 2015. The noise is measured at one meter place from the fan outlet (45°) when it runs freely. But error happens under irregular voltage please refer to the specification.

VIII. Single phase motor is usually equipped with a thermal protector, the operating temperature is level B-130±5°C, level F-150±5°C. If you need to install thermal protector for three phase motor, please specify.

IX. When the client needs to do tapping speed-regulation to the external rotor motor, the max. rotation speed and airflow volume shall be reduced compared with regular products to meet the low speed slip differential performance requirements.

X. The length of the lead wire for regular products is 0.8~1m, special requests on the length and junction box shall be specified.

XI. The cold air blower motor must be processed by special technology to adapt to the low temperature and humidity environment. Please specify when purchasing.

XII. The provided photos and dimensions are for reference only, please refer to the XUYO sample fan and specification for details.

EC SERIES ENERGY SAVING MOTOR

EC35系列節能電機



4. □-安裝附件表 ACCESSORIES

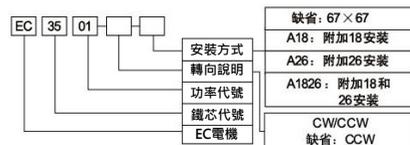
安裝代號 INSTALLATION	A18螺柱 A18 blot	A26螺柱 A26 blot	網罩 Grid	法蘭 Ring	安裝代號 Bracket
00	—	—	—	—	—
A18	2-M4X14	—	—	—	—
A26	—	2-M4X14	—	—	—
A1826	2-M4X14	2-M4X14	—	—	—
***Z	—	—	選配 Optional	—	—
***R	—	—	—	選配 Optional	—
H***	選配 Optional	選配 Optional	—	—	選配 Optional

4. 風葉配合運行參數 ALUMINUM BLADE PARAMETER

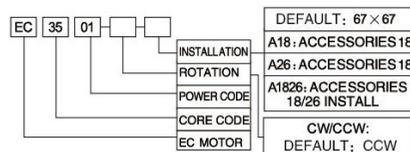
型號 MODEL	電壓 UAC	頻率 f	曲線 CURVE	輸出功率 P1	轉速 n	電流 I	靜壓 Psf	環境溫度 Temp.
	V	Hz	NO.	W	r/min	A	Pa	°C
EC3502B-□-172/28*	230±10%	50/60	A	9	1800	0.08	28	-40~+50
EC3502B-□-200/28*	230±10%	50/60	B	9	1410	0.08	22	-40~+50
			C	13	1800	0.11	25	-40~+50
EC3502B-□-200/31*	230±10%	50/60	D	11	1410	0.10	20	-40~+50
			E	17	1800	0.14	29	-40~+50
EC3502B-□-200/34*	230±10%	50/60	F	11	1410	0.09	17	-40~+50
			G	16	1800	0.13	25	-40~+50
EC3502B-□-230/28*	230±10%	50/60	H	17	1410	0.15	25	-40~+50
			I	19	1550	0.15	34	-40~+50
EC3502B-□-230/31*	230±10%	50/60	J	23	1410	0.18	25	-40~+50
			K	22	1550	0.18	30	-40~+50
EC3502B-□-230/34*	230±10%	50/60	L	25	1410	0.19	24	-40~+50
			M	27	1550	0.21	35	-40~+50
EC3502B-□-254/25*	230±10%		N	18	1410	0.16	25	-40~+50
			P	17	1550	0.14	26	-40~+50
EC3502B-□-254/28*	230±10%		Q	28	1360	0.21	27	-40~+50
			R	28	1550	0.21	34	-40~+50
EC3502B-□-254/34*	230±10%		S	28	1330	0.21	25	-40~+50
			T	28	1550	0.21	28	-40~+50
EC3502B-□-300/22*	230±10%		U	28	1300	0.21	19	-40~+50
			V	37	1550	0.27	30	-40~+50
EC3502B-□-300/25*	230±10%		W	29	1250	0.21	11	-40~+50
			X	36	1550	0.27	32	-40~+50

*注: 風向標記 · B-吹風 · S-吸風。 *Note: air flow direction, B-Blowing, S-Suction.
 □注: 安裝代號 · 見附表。 □Note: Installation code, see: Accessories

1. 型號命名



1. MODEL



2. PRODUCTS INTRODUCTION

The EC35 series of energy-saving motors are low-power, plastic Shelled, high-efficiency permanent magnet brushless motors with IP55 protection. The motors have three ways to mount. Fit for replacement of kinds of shaded pole motors.

The main performance characteristics are:

- The motor's permanent brushless motor which uses fractana-slot three-winding technology, with Vector control(FOC), low vibration and noise, exceeds various of countries' energy efficiency requirements.
- The motor uses low-noise ball bearings for reliable performance and long service life.
- The motor has overvoltage, overcurrent, and overheat protection functions.
- The motor has start protection and stall protection.

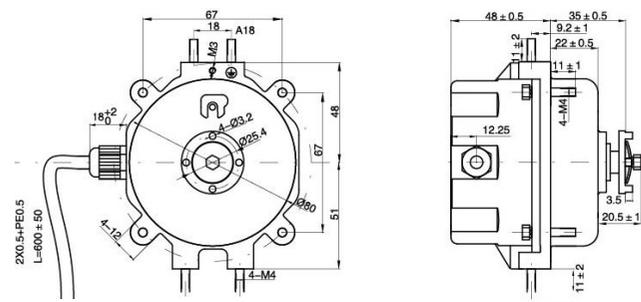
2. 整體說明

EC35系列節能電機為塑料外殼的小功率高效永磁無刷電機。防護等級為IP55。電動機具備三種安裝方式。適用於替代各型極電機的安裝。

主要性能特點是:

- 電動機為採用分數槽技術的三繞組永磁無刷電機。採用矢量控制技術。振動和噪聲低。效率超過各國能效要求。
- 電動機採用低噪聲滾珠軸承。性能可靠。使用壽命長。
- 電動機具備過壓、過流、過熱保護功能。
- 電動機具備起動和堵轉保護功能。

3. 外型安裝圖 INSTALLATION DIAGRAM



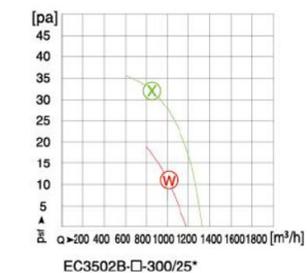
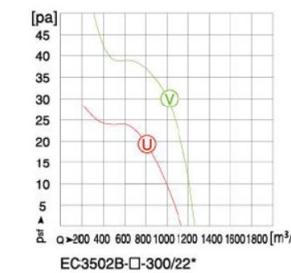
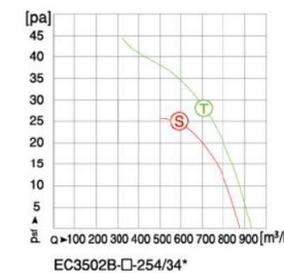
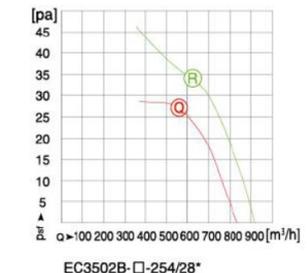
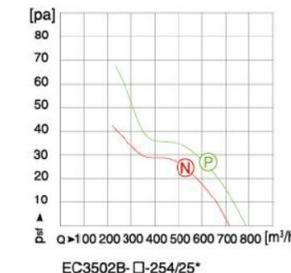
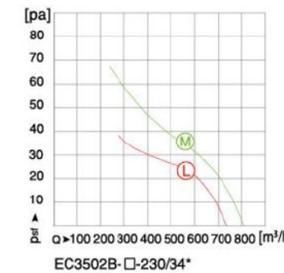
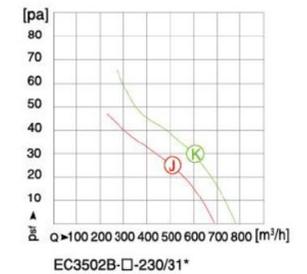
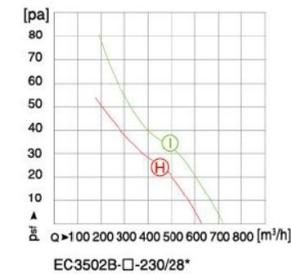
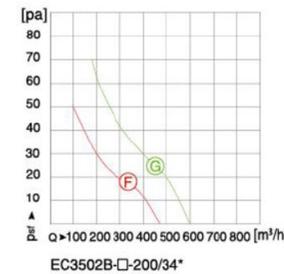
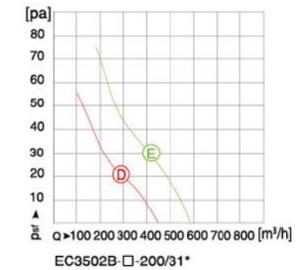
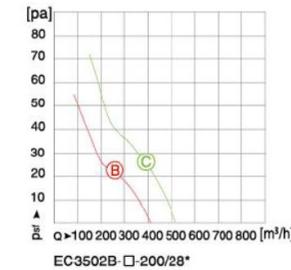
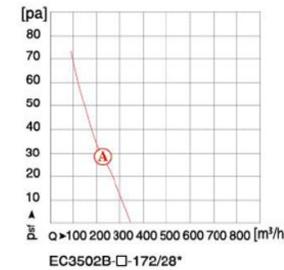
EC SERIES ENERGY SAVING MOTOR

EC35系列節能電機

Material :	Impeller : Completely made of aluminum alloy;
Type of protection :	IP65
Mounting position :	Horizontal or vertical
Operation Mode :	S1
Bearings :	Maintenance-free ball bearing
Protection :	Current limitation, Stall protection, Soft start phase failure detection, Overheat protection, Over/Under voltage protection.
Amb. Temp :	-40~+65°C
Insulation class :	F

材料 :	風葉-採用鋁鎂合金制成
電機防護等級 :	IP65
安裝位置 :	豎直、水平2個方向
連續工作制 :	(S1)
軸承 :	免維護軸承
保護 :	限流、堵轉、軟啟動、缺相故障、熱保護、過/欠壓保護
環境溫度 :	-40~+65°C
絕緣等級 :	F

EC35曲線 EC CURVE



EC AXIAL FAN EC外轉子軸流風機

1-230V EC074電機

1-230V EC084電機

EC AXIAL FAN EC外轉子軸流風機

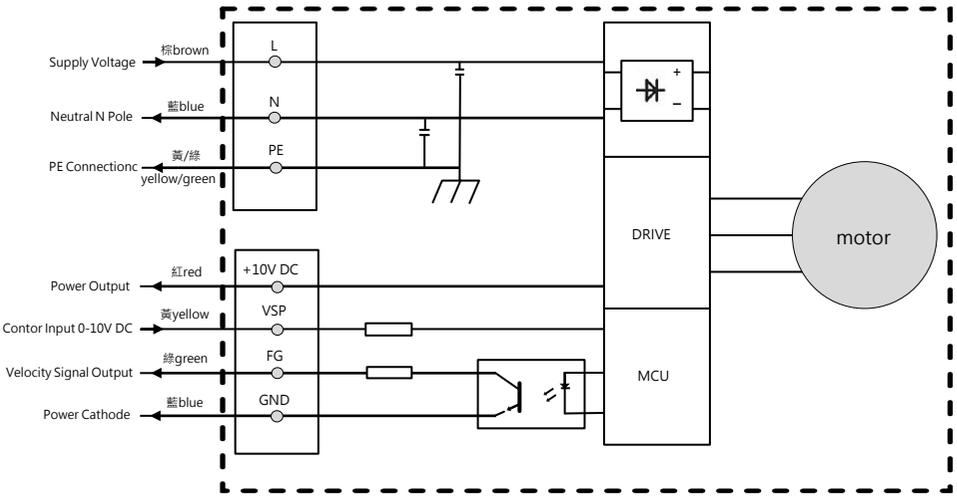
074-230V SERIES MOTOR WIRING INSTRUCTION

074電機系列接線說明圖

084-230V SERIES MOTOR WIRING INSTRUCTION

084電機系列接線說明圖

Wiring diagram 接線標示圖

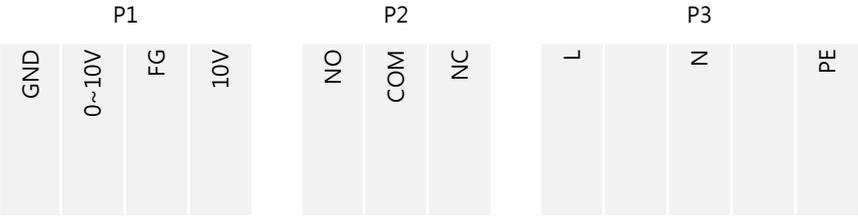


Portal function 接線端口功能說明圖

序號	信號	分配/功能	序號	信號	分配/功能
P1	L	交流電接入, 供給電壓1~207-277V AC; 頻率50/60Hz	P2	GND	接口P2控制信號地
	N	交流電接入, 中性線N級		0~10V/PWM	控制輸入0~10V DC/PWM
	PE	接地線, PE連接		FG	速度反饋信號
			10V	固定電壓輸出10V DC (±10%最大.10mA)	

序號	信號	分配/功能	序號	信號	分配/功能
P1	L	AC power in, Voltage Input 1~207-277V; 50/60Hz	P2	GND	Interface P3 for Signal Control, Ground
	N	AC power in, Neutral N Pole		0~10V/PWM	Controller Input 0~10V DC/PWM
	PE	Protect Earthing, Ground		FG	Speed Signal Feedback
			10V	Rated Voltage Output 10V DC (±10%max. 10mA)	

Wiring diagram 接線標示圖



Portal function 接線端口功能說明圖

序號 HUB	信號 Protal	分配/功能 Description/Function	序號 HUB	信號 Protal	分配/功能 Description/Function
PE	PE(黃/綠) Yellow/Green	接地線 · PE連接 Earth connection, PE connection	P3	10V(紅) Red	固定電壓輸出10VDC (+10%最大. 10mA) Rated voltage output 10VDC (+10%max. 10mA)
P1	N(藍) Blue	交流電接入 · 中性線N級 AC power in, Neutral N pole		FG(綠) Green	速度反饋信號 Speed Signal Feedback
	L(棕) Brown	交流電接入 · 供給電壓1~207-277VAC; 頻率50/60Hz AC power in, 1~207-277VAC; 50/60Hz		0~10V/PWM(黃) Yellow	控制輸入0~10VDC /PWM Control input 0~10VDC/PWM
P2	NO(橙) Orange	狀態繼電器 · 浮動狀態觸點; 常開; 關閉錯誤 Status relay, alterable status contact; normally turn-on; turn-off when error	GND(藍) Blue	接口P3控制信號地 Interface P3 for Signal control, ground	
	COM(灰) Gray	狀態斷電器 · 公共連接 · 連接等級250VAC/2A Status relay, universal connectivity; contact rating 250VAC/2A			
	NC(白) White	狀態斷電器 · 常閉 · 解除錯誤 Status relay, normally turn-off; turn-on when error			

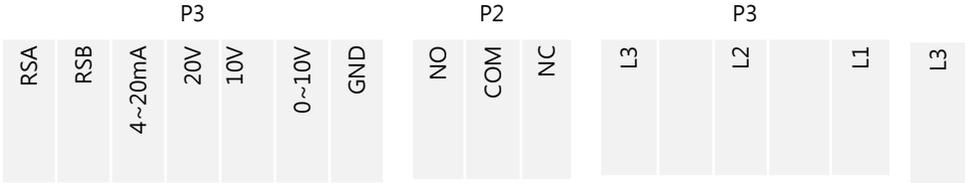
EC AXIAL FAN EC外轉子軸流風機

3-400V EC112電機

112-400V SERIES MOTOR WIRING INSTRUCTION

112電機系列接線說明圖

Wiring diagram 接線標示圖



Portal function 接線端口功能說明圖

序號 HUB	信號 Protal	分配/功能 Description/Function
P1	L3	交流電接入 · 供給電壓3~380-480VAC; 頻率50/60Hz AC power in, voltage 3~380-480VAC; 50/60Hz
	L2	交流電接入 · 供給電壓3~380-480VAC; 頻率50/60Hz AC power in, voltage 3~380-480VAC; 50/60Hz
	L1	交流電接入 · 供給電壓3~380-480VAC; 頻率50/60Hz AC power in, voltage 3~380-480VAC; 50/60Hz
PE	PE	接地線 · PE連接 Protect earthing, ground
P2	NO	狀態繼電器 · 浮動狀態觸點; 常開; 關閉錯誤 Status relay, alterable state contact; Normally turn-on; turn-off when error
	COM	狀態斷線器 · 公共連接 · 連接等級250VAC/2A Status relay, universal connectivity; contact rating 250V AC/2A
	NC	狀態斷電器 · 常閉 · 解除錯誤 Status relay, normally turn-off; turn-on when error
序號 HUB	信號 Protal	分配/功能 Description/Function
P3	10V(紅) Red	固定電壓輸出10VDC (+10%最大, 10mA) Rated voltage output 10VDC (+10%max. 10mA)
	FG(綠) Green	速度反饋信號 Speed Signal Feedback
	0~10V/PWM(黃) Yellow	控制輸入0~10VDC /PWM Control input 0~10VDC/PWM
	GND(藍) Blue	接口P3控制信號地 Interface P3 for Signal control, ground

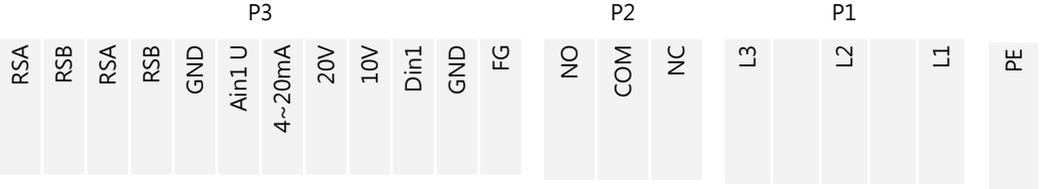
3-400V EC150電機

EC AXIAL FAN EC外轉子軸流風機

150-400V SERIES MOTOR WIRING INSTRUCTION

150電機系列接線說明圖

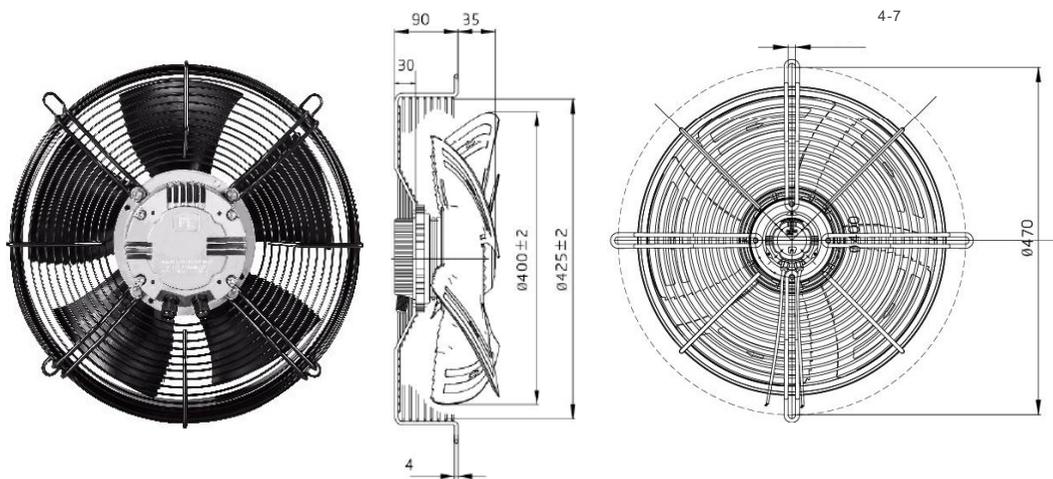
Wiring diagram 接線標示圖



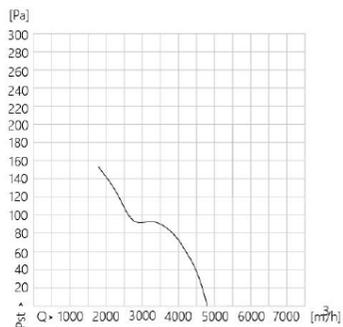
Portal function 接線端口功能說明圖

序號 HUB	信號 Protal	分配/功能 Description/Function
P1	L3	交流電接入 · 供給電壓3~380-480VAC; 頻率50/60Hz AC power in, voltage 3~380-480VAC; 50/60Hz
	L2	交流電接入 · 供給電壓3~380-480VAC; 頻率50/60Hz AC power in, voltage 3~380-480VAC; 50/60Hz
	L1	交流電接入 · 供給電壓3~380-480VAC; 頻率50/60Hz AC power in, voltage 3~380-480VAC; 50/60Hz
PE	PE	接地線 · PE連接 Protect earthing, ground
P2	NO	狀態繼電器 · 浮動狀態觸點; 常開; 關閉錯誤 Status relay, alterable state contact; Normally turn-on; turn-off when error
	COM	狀態斷線器 · 公共連接 · 連接等級250VAC/2A Status relay, universal connectivity; contact rating 250V AC/2A
	NC	狀態斷電器 · 常閉 · 解除錯誤 Status relay, normally turn-off; turn-on when error
序號 HUB	信號 Protal	分配/功能 Description/Function
RSA		RSA485總線連接; RSA; MODBUS通訊協議RTU方式 BUS RSA485; RSA; MODBUS RTU
RSB		RSA485總線連接; RSA; MODBUS通訊協議RTU方式 BUS RSA485; RSA; MODBUS RTU
GND		接口P3控制信號地 Interface P3 for signal control, ground
Ain1 U		控制輸入0~10VDC/PWM Analogue input 1(set value) 0~10V DC/PWM
4~20mA		控制輸入4~20mA Analogue Control input 4~20mA
P3	20V	固定電壓輸出20VDC(±10% max. 50mA) Rated voltage output 20VDC(±10% max. 50mA)
	10V	固定電壓輸出10VDC(±10% max. 50mA) Rated voltage output 10VDC(±10% max. 10mA)
Din1		數字式輸入端1電子設備的接通 接通: 管腳為開路或者所施加的電壓為5到50VDC; 截止: 接地橋接或者所施加的電壓<1VDC. Connection of Digital input 1 enabling of electronics enabling: oping pin or applied voltage 5-50V DC; disabling: bridge to GND or applied voltage<1V DC
FG		速度反饋信號 Speed Signal Feedback(Fault Feedback)

Ø 400 EC AXIAL FAN EC外轉子軸流風機

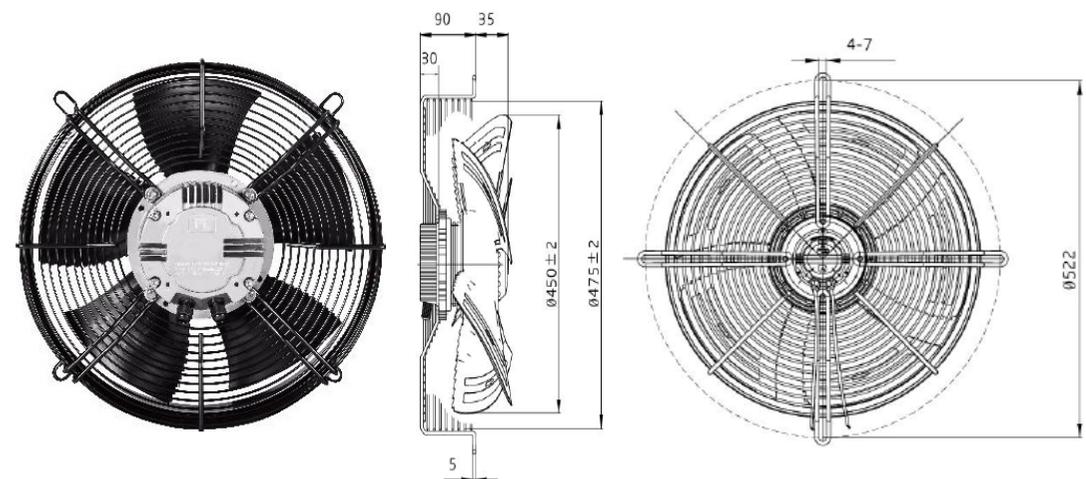


材料 Material:	風輪-ABS; 轉子-鍍黑; 電氣罩-壓鑄鋁 Impeller: ABS; Rotor: Coated in black; Electronics enclosure: Die-cast aluminum
葉片數 Fan blade:	5 5-pack
轉向 Direction of rotation:	逆時針 Counter clockwise, view from end cover
電機防護等級 Type of protection:	IP54
安裝位置 Mounting position:	豎直、水平線2個方向 Horizontal or Vertical
工作制 Operation Mode:	S1
軸承 Bearings:	免維護軸承 Maintenance-free ball bearings
電氣特性 Technical features:	控制信號輸入: 0~10V DC/PWM; 含主動式PFC電路; 集成PID調節; 速度反饋信號; 報警信號繼電器 單路輔助電源: 10V DC±10%, max. 10mA Control input 0~10V DC/PWM; PFC(Active); Integrated PID controller; Speed signal feedback; Relay Single auxiliary output power supply: 10V DC±10%, max. 10mA
保護 Protection:	限流、堵轉、軟啟動、缺相故障、過溫保護、過/欠壓保護 Current limitation, Stall protection, Soft start protection, Open phase protection, Overheating protection, Over/Under voltage protection
環境溫度 Amb. Temp.:	-25~+60°C
絕緣等級 Insulation class:	F

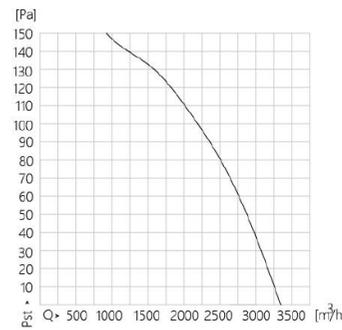


型號	電壓	頻率	功率	風量	電流	轉速	噪音
MODEL	Voltage	Frequency	Power	Airflow	Current	RPM	Noise
	V	Hz	W	m³/h	A	r/min	dB(A)
PMDWF84L50-470N-400	1~230	50/60	364	4806	1.58	1600	70

Ø 450 EC AXIAL FAN EC外轉子軸流風機



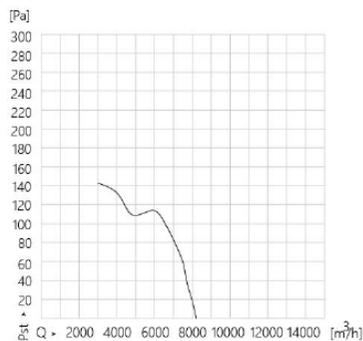
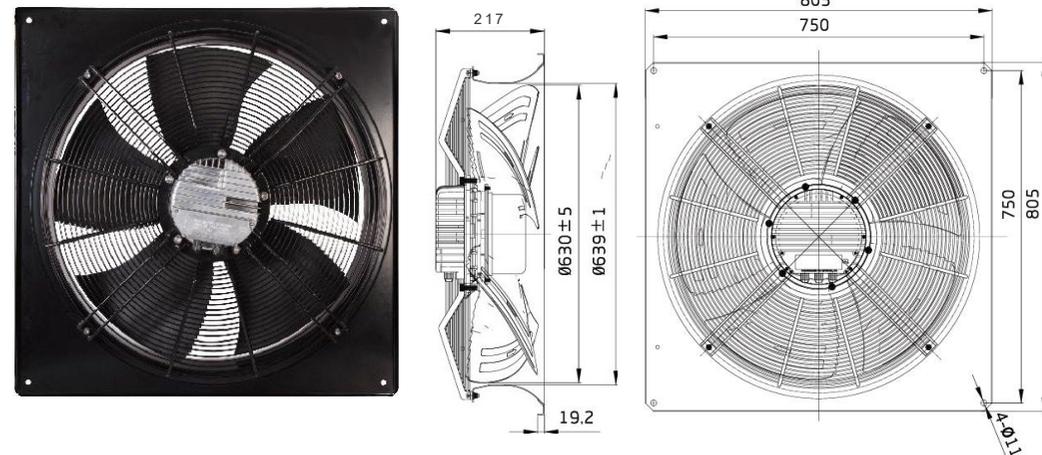
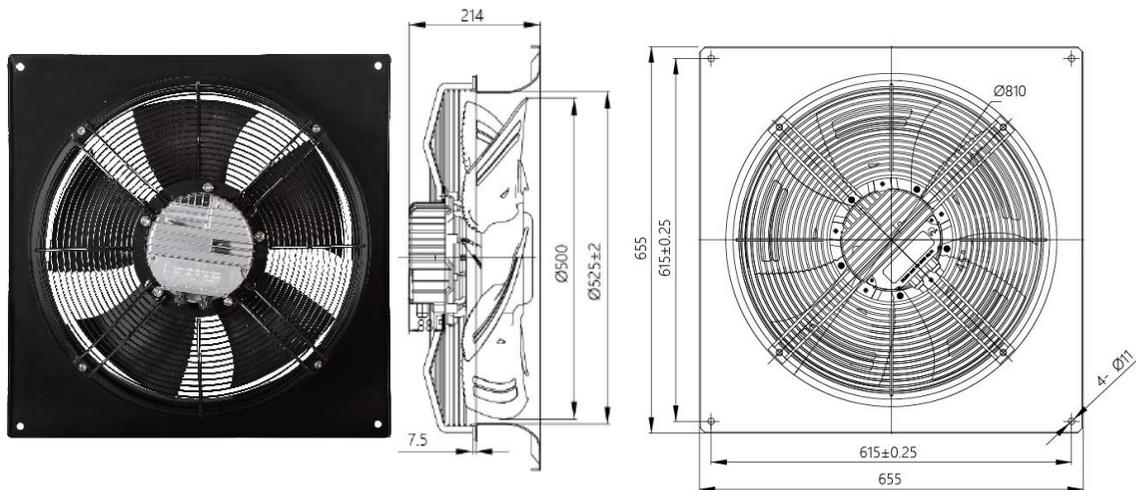
材料 Material:	風輪-ABS; 轉子-鍍黑; 電氣罩-壓鑄鋁 Impeller: ABS; Rotor: Coated in black; Electronics enclosure: Die-cast aluminum
葉片數 Fan blade:	5 5-pack
轉向 Direction of rotation:	逆時針 Counter clockwise, view from end cover
電機防護等級 Type of protection:	IP54
安裝位置 Mounting position:	豎直、水平線2個方向 Horizontal or Vertical
工作制 Operation Mode:	S1
軸承 Bearings:	免維護軸承 Maintenance-free ball bearings
電氣特性 Technical features:	控制信號輸入: 0~10V DC/PWM; 含主動式PFC電路; 集成PID調節; 速度反饋信號; 報警信號繼電器 單路輔助電源: 10V DC±10%, max. 10mA Control input 0~10V DC/PWM; PFC(Active); Integrated PID controller; Speed signal feedback; Relay Single auxiliary output power supply: 10V DC±10%, max. 10mA
保護 Protection:	限流、堵轉、軟啟動、缺相故障、過溫保護、過/欠壓保護 Current limitation, Stall protection, Soft start protection, Open phase protection, Overheating protection, Over/Under voltage protection
環境溫度 Amb. Temp.:	-25~+60°C
絕緣等級 Insulation class:	F



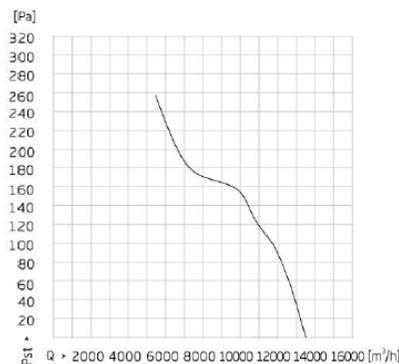
型號	電壓	頻率	功率	風量	電流	轉速	噪音
MODEL	Voltage	Frequency	Power	Airflow	Current	RPM	Noise
	V	Hz	W	m³/h	A	r/min	dB(A)
PMDWF84L50-522N-450	1~230	50/60	387	5719	1.76	1500	70

Ø 500 EC AXIAL FAN EC外轉子軸流風機

Ø 630 EC AXIAL FAN EC外轉子軸流風機



材料 Material:	風輪-ABS; 轉子-鍍黑; 電氣罩-壓鑄鋁 Impeller: ABS; Rotor: Coated in black; Electronics enclosure: Die-cast aluminum
葉片數 Fan blade:	5 5-pack
轉向 Direction of rotation:	逆時針 Counter clockwise, view from end cover
電機防護等級 Type of protection:	IP54
安裝位置 Mounting position:	豎直、水平線2個方向 Horizontal or Vertical
工作制 Operation Mode:	S1
軸承 Bearings:	免維護軸承 Maintenance-free ball bearings
電氣特性 Technical features:	控制信號輸入: 0~10V DC/PWM; 電流控制: 4-20mA; 集成PID調節; 速度反饋信號; 報警信號繼電器 雙路輔助電源: 10V DC±10%, max. 10mA; 20V DC±10%, max. 50mA Control input: 0~10V DC/PWM; Current input control: 4-20mA; 20V DC±10%, max. 50mA Integrated PID controller; Speed signal feedback; Relay Dual auxiliary output power supplies: 10V DC±10%, max. 10mA
保護 Protection:	限流、堵轉、軟啟動、缺相故障、過溫保護、過/欠壓保護 Current limitation, Stall protection, Soft start protection, Open phase protection, Overheating protection, Over/Under voltage protection
環境溫度 Amb. Temp.:	-40~+65°C
絕緣等級 Insulation class:	F

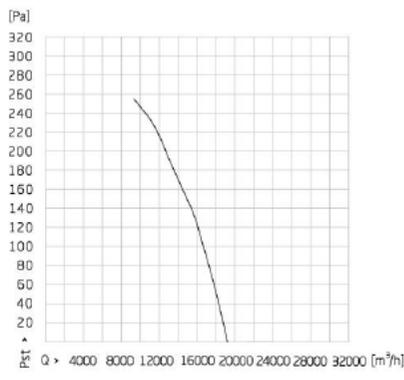
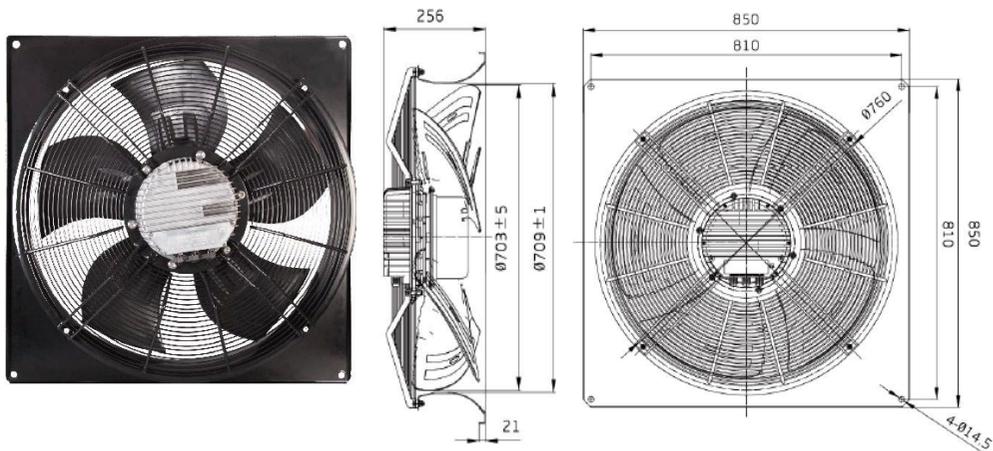


材料 Material:	風輪-ABS; 轉子-鍍黑; 電氣罩-壓鑄鋁 Impeller: ABS; Rotor: Coated in black; Electronics enclosure: Die-cast aluminum
葉片數 Fan blade:	5 5-pack
轉向 Direction of rotation:	逆時針·從引線端看 Counter clockwise, view from end cover
電機防護等級 Type of protection:	IP54
安裝位置 Mounting position:	豎直、水平線2個方向 Horizontal or Vertical
工作制 Operation Mode:	S1
軸承 Bearings:	免維護軸承 Maintenance-free ball bearings
電氣特性 Technical features:	控制信號輸入: 0~10V DC/PWM; 電流控制: 4-20mA; 集成PID調節; 速度反饋信號; 報警信號繼電器 雙路輔助電源: 10V DC±10%, max. 10mA; 20V DC±10%, max. 50mA Control input: 0~10V DC/PWM; Current input control: 4-20mA; 20V DC±10%, max. 50mA Integrated PID controller; Speed signal feedback; Relay Dual auxiliary output power supplies: 10V DC±10%, max. 10mA
保護 Protection:	限流、堵轉、軟啟動、缺相故障、過溫保護、過/欠壓保護 Current limitation, Stall protection, Soft start protection, Open phase protection, Overheating protection, Over/Under voltage protection
環境溫度 Amb. Temp.:	-40~+65°C
絕緣等級 Insulation class:	F

型號	電壓	頻率	功率	風量	電流	轉速	噪音
MODEL	Voltage	Frequency	Power	Airflow	Current	RPM	Noise
	V	Hz	W	m³/h	A	r/min	dB(A)
PMSWF112L60-615H-500	3~400	50/60	566	8222	1.00	1400	78

型號	電壓	頻率	功率	風量	電流	轉速	噪音
MODEL	Voltage	Frequency	Power	Airflow	Current	RPM	Noise
	V	Hz	W	m³/h	A	r/min	dB(A)
PMSWF112L60-750H-630	3~400	50/60	900	13464	1.60	1200	74

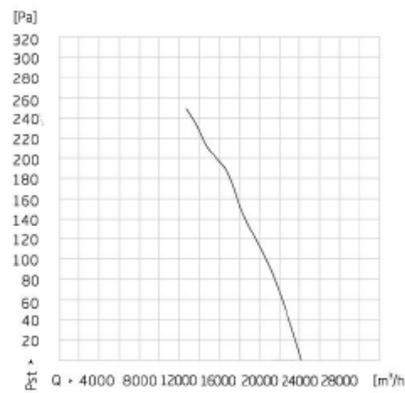
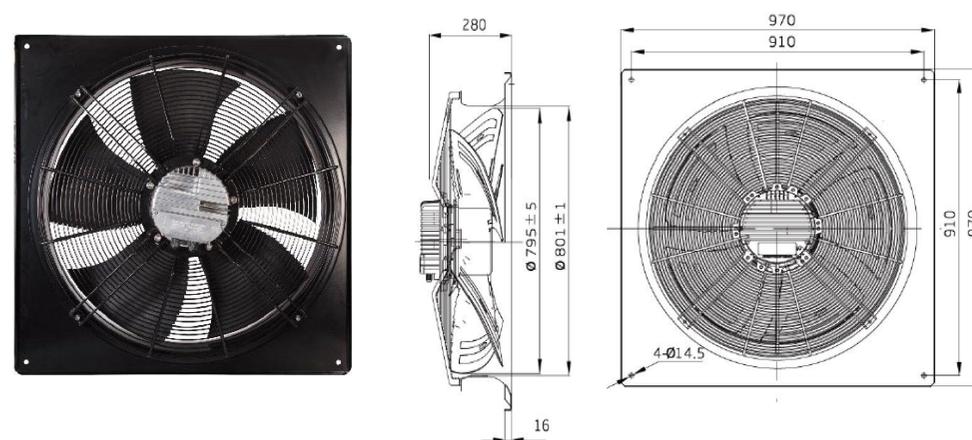
Ø 710 EC AXIAL FAN EC外轉子軸流風機



材料 Material:	風輪-ABS; 轉子-鍍黑; 電氣罩-壓鑄鋁 Impeller: ABS; Rotor: Coated in black; Electronics enclosure: Die-cast aluminum
葉片數 Fan blade:	5 5-pack
轉向 Direction of rotation:	逆時針 Counter clockwise, view from end cover
電機防護等級 Type of protection:	IP54
安裝位置 Mounting position:	豎直、水平線2個方向 Horizontal or Vertical
工作制 Operation Mode:	S1
軸承 Bearings:	免維護軸承 Maintenance-free ball bearings
電氣特性 Technical features:	控制信號輸入: 0~10V DC/PWM; 電流控制: 4~20mA; 集成PID調節; 速度反饋信號; 報警信號繼電器 雙路輔助電源: 10V DC±10%, max.10mA; 20V DC±10%, max.50mA Control input 0~10V DC/PWM; Current input control: 4~20mA; Integrated PID controller; Speed signal feedback; Relay Dual auxiliary output power supplies: 10V DC±10%, max. 10mA
保護 Protection:	限流、堵轉、軟啟動、缺相故障、過溫保護、過/欠壓保護 Current limitation, Stall protection, Soft start protection, Open phase protection, Overheating protection, Over/Under voltage protection
環境溫度 Amb. Temp:	-40~+65°C
絕緣等級 Insulation class:	F

型號 MODEL	電壓 Voltage	頻率 Frequency	功率 Power	風量 Airflow	電流 Current	轉速 RPM	噪音 Noise
	V	Hz	W	m³/h	A	r/min	dB(A)
PMSWF112L75-810H-710	3~400	50/60	750	14500	1.4	960	76
PMSWF150L50-810H-710	3~400	50/60	1396	19249	2.37	1200	81

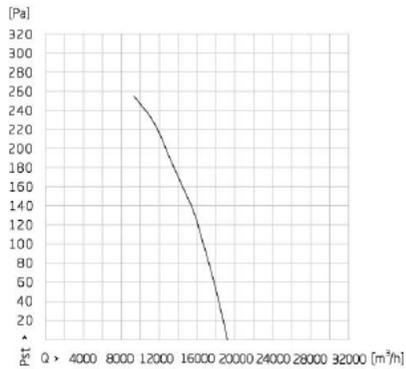
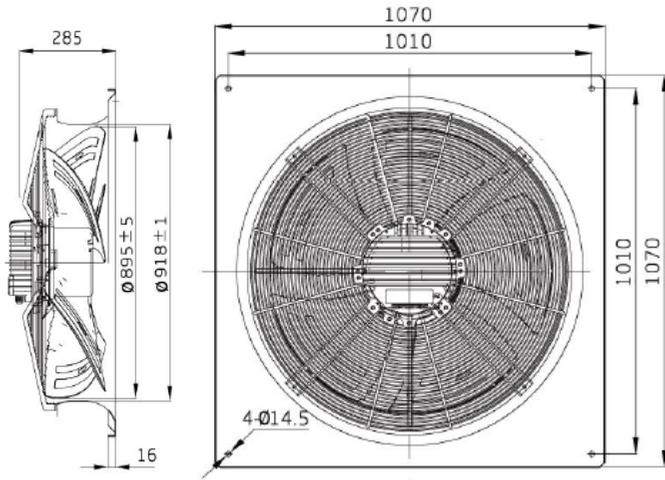
Ø 800 EC AXIAL FAN EC外轉子軸流風機



材料 Material:	風輪-ABS; 轉子-鍍黑; 電氣罩-壓鑄鋁 Impeller: ABS; Rotor: Coated in black; Electronics enclosure: Die-cast aluminum
葉片數 Fan blade:	5 5-pack
轉向 Direction of rotation:	逆時針、從引線端看 Counter clockwise, view from end cover
電機防護等級 Type of protection:	IP54
安裝位置 Mounting position:	豎直、水平線2個方向 Horizontal or Vertical
工作制 Operation Mode:	S1
軸承 Bearings:	免維護軸承 Maintenance-free ball bearings
電氣特性 Technical features:	控制信號輸入: 0~10V DC/PWM; 電流控制: 4~20mA; 集成PID調節; 速度反饋信號; 報警信號繼電器 雙路輔助電源: 10V DC±10%, max.10mA; 20V DC±10%, max.50mA Control input 0~10V DC/PWM; Current input control: 4~20mA; Integrated PID controller; Speed signal feedback; Relay Dual auxiliary output power supplies: 10V DC±10%, max. 10mA
保護 Protection:	限流、堵轉、軟啟動、缺相故障、過溫保護、過/欠壓保護 Current limitation, Stall protection, Soft start protection, Open phase protection, Overheating protection, Over/Under voltage protection
環境溫度 Amb. Temp:	-40~+65°C
絕緣等級 Insulation class:	F

型號 MODEL	電壓 Voltage	頻率 Frequency	功率 Power	風量 Airflow	電流 Current	轉速 RPM	噪音 Noise
	V	Hz	W	m³/h	A	r/min	dB(A)
PMSWF150L85-910H-800	3~400	50/60	1580	24220	2.57	1000	78

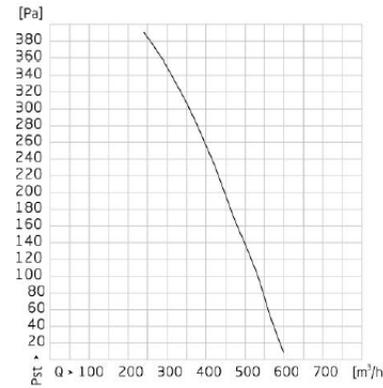
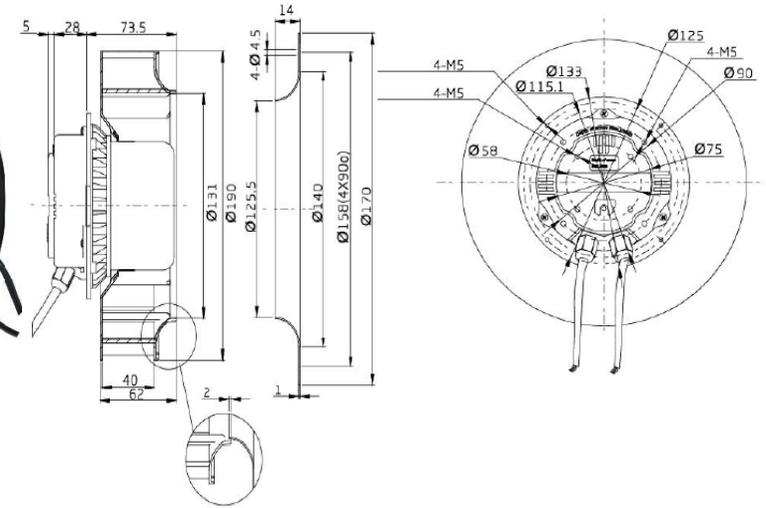
Ø 900 EC AXIAL FAN EC外轉子軸流風機



材料 Material:	風輪-ABS; 轉子-鍍黑; 電氣罩-壓鑄鋁 Impeller: ABS; Rotor: Coated in black; Electronics enclosure: Die-cast aluminum
葉片數 Fan blade:	5 5-pack
轉向 Direction of rotation:	逆時針 Counter clockwise, view from end cover
電機防護等級 Type of protection:	IP54
安裝位置 Mounting position:	垂直、水平線2個方向 Horizontal or Vertical
工作制 Operation Mode:	S1
軸承 Bearings:	免維護軸承 Maintenance-free ball bearings
電氣特性 Technical features:	控制信號輸入: 0~10V DC/PWM; 電流控制: 4~20mA; 集成PID調節; 速度反饋信號; 觸發信號繼電器 Control input: 0~10V DC/PWM; Current input control: 4~20mA; Integrated PID control; Speed feedback; Relay 雙路輔助電源: 10V DC±10%, max.10mA; 20V DC±10%, max.50mA Dual auxiliary output power supplies: 10V DC±10%, max. 10mA
保護 Protection:	限流、堵轉、軟啟動、缺相故障、過溫保護、過/欠壓保護 Current limitation, Stall protection, Soft start protection, Open phase protection, Overheating protection, Over/Under voltage protection
環境溫度 Amb. Temp.:	-40~+65°C
絕緣等級 Insulation class:	F

型號	電壓	頻率	功率	風量	電流	轉速	噪音
MODEL	Voltage	Frequency	Power	Airflow	Current	RPM	Noise
PMSWF150L85-1010H-900	3~400V	50/60Hz	1912W	32903 m³/h	3.21A	1000 r/min	82 dB(A)

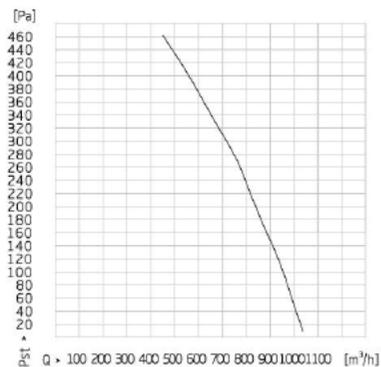
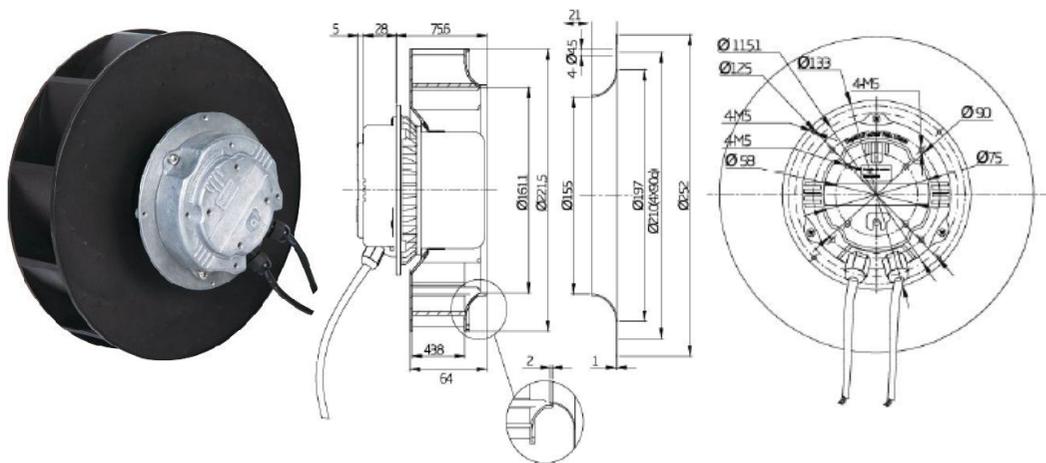
Ø 190 EC BACKWARD FAN EC外轉子離心機



材料 Material:	風輪-PP+40%GF; 轉子-鍍黑; 電氣罩-壓鑄鋁 Blade: PP+40%GF; Rotor: Coated in black; Electronics enclosure: Die-cast aluminum
轉向 Direction of rotation:	逆時針 Counter clockwise, view from end cover
電機防護等級 Type of protection:	IP54
安裝位置 Mounting position:	垂直、水平線2個方向 Horizontal or Vertical
工作制 Operation Mode:	S1
軸承 Bearings:	免維護軸承 Maintenance-free ball bearings
電氣特性 Technical features:	控制信號輸入: 0~10V DC/PWM; 集成PID調節; 速度反饋信號 Control input: 0~10V DC/PWM; Integrated PID control; Speed feedback 單路輔助電源: 10V DC±10%, max.10mA; 20V DC±10%, max.50mA Single auxiliary output power supply: 10V DC±10%, max. 10mA
保護 Protection:	限流、堵轉、軟啟動、缺相故障、過溫保護、過/欠壓保護 Current limitation, Stall protection, Soft start protection, Open phase protection, Overheating protection, Over/Under voltage protection
環境溫度 Amb. Temp.:	-25~+60°C
絕緣等級 Insulation class:	F

型號	電壓	頻率	功率	轉速	電流	靜壓	環境溫度	靜壓效率	能效值	噪音
MODEL	Voltage	Frequency	Power	RPM	Current	Psf	Temp.	ηsf	EFF.Grade	Noise
PMDWF74L25-190x62	1~230±10%	50/60Hz	85W	3096 r/min	0.2A	311 Pa	-40~+60°C	35.85%	58	68 dB(A)

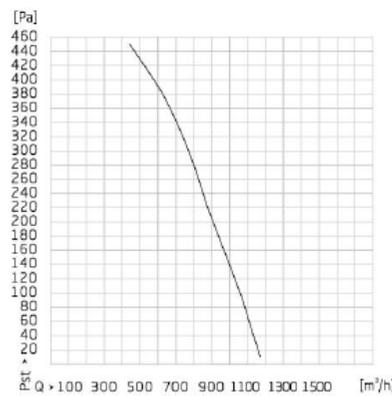
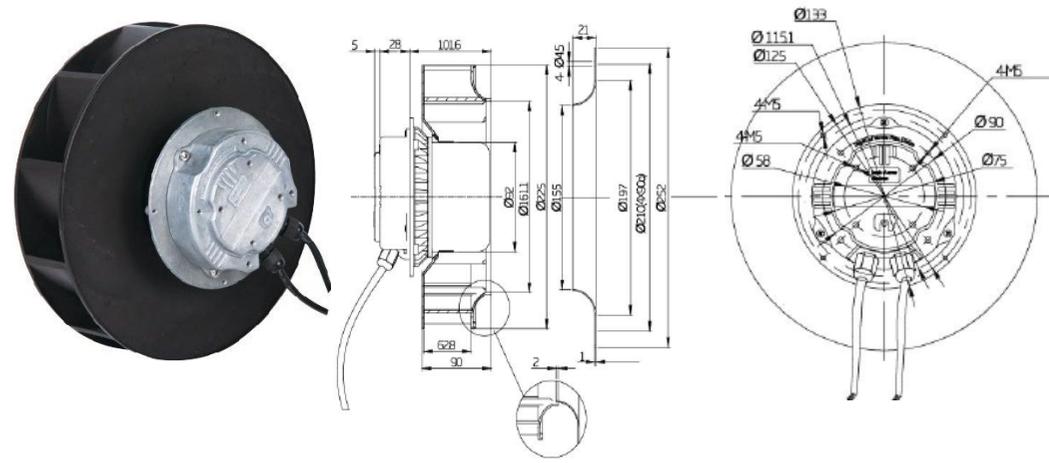
Ø 220 EC BACKWARD FAN EC外轉子離心機



材料 Material:	風輪-PP+40%GF; 轉子-鍍黑; 電氣罩-壓鑄鋁 Blade: PP+40%GF; Rotor: Coated in black; Electronics enclosure: Die-cast aluminum
轉向 Direction of rotation:	逆時針 Counter clockwise, view from end cover
電機防護等級 Type of protection:	IP54
安裝位置 Mounting position:	豎直、水平線2個方向 Horizontal or Vertical
工作制 Operation Mode:	S1
軸承 Bearings:	免維護軸承 Maintenance-free ball bearings
電氣特性 Technical features:	控制信號輸入: 0~10V DC/PWM; 集成PID調節; 速度反饋信號; 單路輔助電源: 10V DC±10%, max. 10mA Control input: 0~10V DC/PWM; Integrated PID controller; Speed signal feedback Single auxiliary output power supply: 10V DC±10%, max. 10mA
保護 Protection:	限流、堵轉、軟啟動、缺相故障、過溫保護、過/欠壓保護 Current limitation, Stall protection, Soft start protection, Open phase protection, Overheating protection, Over/Under voltage protection
環境溫度 Amb.Temp.:	-25~+60°C
絕緣等級 Insulation class:	F

型號	電壓	頻率	功率	轉速	電流	靜壓	環境溫度	靜壓效率	能效值	噪音
MODEL	Voltage	Frequency	Power	RPM	Current	Psf	Temp.	ηsf	EFF.Grade	Noise
	V	Hz	W	r/min	A	Pa	°C	%	N	dB(A)
PMDWF74L25-220x64	1~230±10%	50/60	150	3096	1.02	470	-40~+60	42.55	62	71

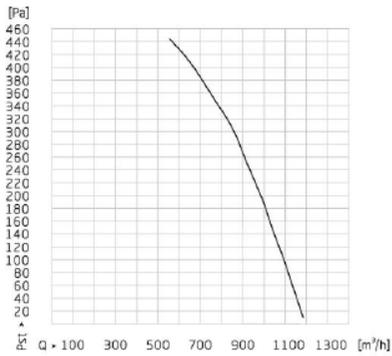
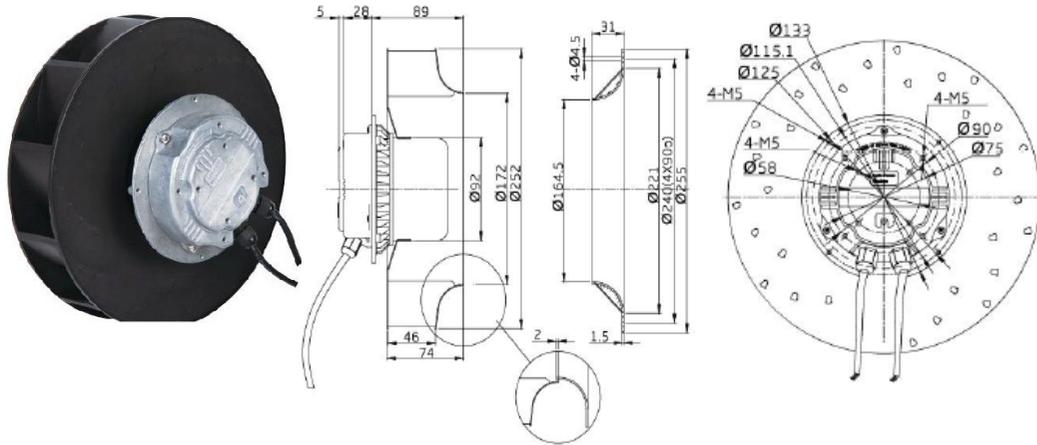
Ø 225 EC BACKWARD FAN EC外轉子離心機



材料 Material:	風輪-PP+40%GF; 轉子-鍍黑; 電氣罩-壓鑄鋁 Blade: PP+40%GF; Rotor: Coated in black; Electronics enclosure: Die-cast aluminum
轉向 Direction of rotation:	逆時針 Counter clockwise, view from end cover
電機防護等級 Type of protection:	IP54
安裝位置 Mounting position:	豎直、水平線2個方向 Horizontal or Vertical
工作制 Operation Mode:	S1
軸承 Bearings:	免維護軸承 Maintenance-free ball bearings
電氣特性 Technical features:	控制信號輸入: 0~10V DC/PWM; 集成PID調節; 速度反饋信號; 單路輔助電源: 10V DC±10%, max. 10mA Control input: 0~10V DC/PWM; Integrated PID controller; Speed signal feedback Single auxiliary output power supply: 10V DC±10%, max. 10mA
保護 Protection:	限流、堵轉、軟啟動、缺相故障、過溫保護、過/欠壓保護 Current limitation, Stall protection, Soft start protection, Open phase protection, Overheating protection, Over/Under voltage protection
環境溫度 Amb.Temp.:	-25~+60°C
絕緣等級 Insulation class:	F

型號	電壓	頻率	功率	轉速	電流	靜壓	環境溫度	靜壓效率	能效值	噪音
MODEL	Voltage	Frequency	Power	RPM	Current	Psf	Temp.	ηsf	EFF.Grade	Noise
	V	Hz	W	r/min	A	Pa	°C	%	N	dB(A)
PMDWF74L25-225x90	1~230±10%	50/60	156	2893	1.06	388	-40~+60	42.6	62	70

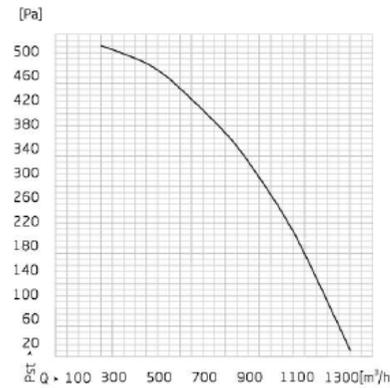
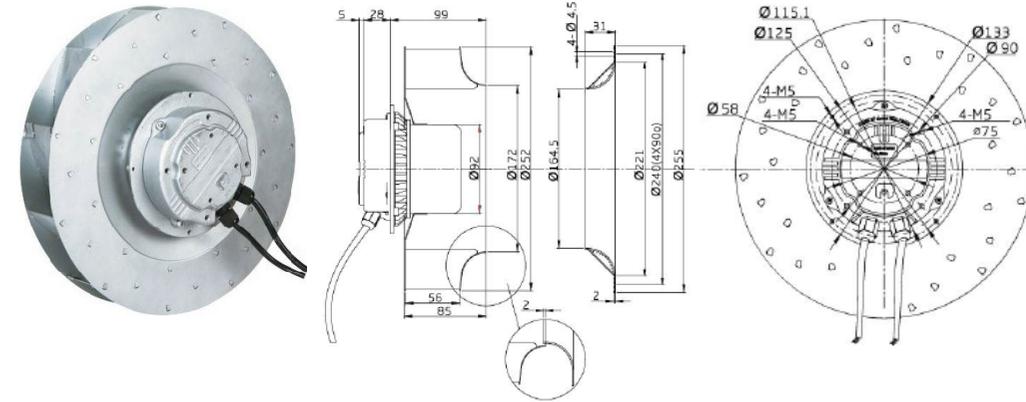
Ø 250 EC BACKWARD FAN EC外轉子離心機



材料 Material:	風輪-PP+40%GF; 轉子-鍍黑; 電氣罩-壓鑄鋁 Blade: PP+40%GF; Rotor: Coated in black; Electronics enclosure: Die-cast aluminum
轉向 Direction of rotation:	逆時針 Counter clockwise, view from end cover
電機防護等級 Type of protection:	IP54
安裝位置 Mounting position:	垂直、水平線2個方向 Horizontal or Vertical
工作制 Operation Mode:	S1
軸承 Bearings:	免維護軸承 Maintenance-free ball bearings
電氣特性 Technical features:	控制信號輸入: 0~10V DC/PWM; 集成PID調節; 速度反饋信號; 單路輔助電源: 10V DC±10%, max. 10mA Control input: 0~10V DC/PWM; integrated PID controller; Speed signal feedback Single auxiliary output power supply: 10V DC±10%, max. 10mA
保護 Protection:	限流、堵轉、軟啟動、缺相故障、過溫保護、過/欠壓保護 Current limitation, Stall protection, Soft start protection, Open phase protection, Overheating protection, Over/Under voltage protection
環境溫度 Amb.Temp.:	-25~+60°C
絕緣等級 Insulation class:	F

型號	電壓	頻率	功率	轉速	電流	靜壓	環境溫度	靜壓效率	能效值	噪音
MODEL	Voltage	Frequency	Power	RPM	Current	Psf	Temp.	ηsf	EFF.Grade	Noise
	V	Hz	W	r/min	A	Pa	°C	%	N	dB(A)
PMDWF74L25-250x75	1~230±10%	50/60	178	2893	1.2	358	-40~+60	42.01	61	71

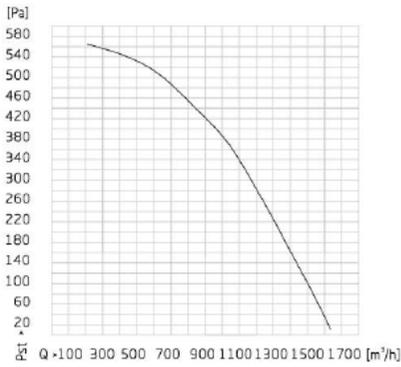
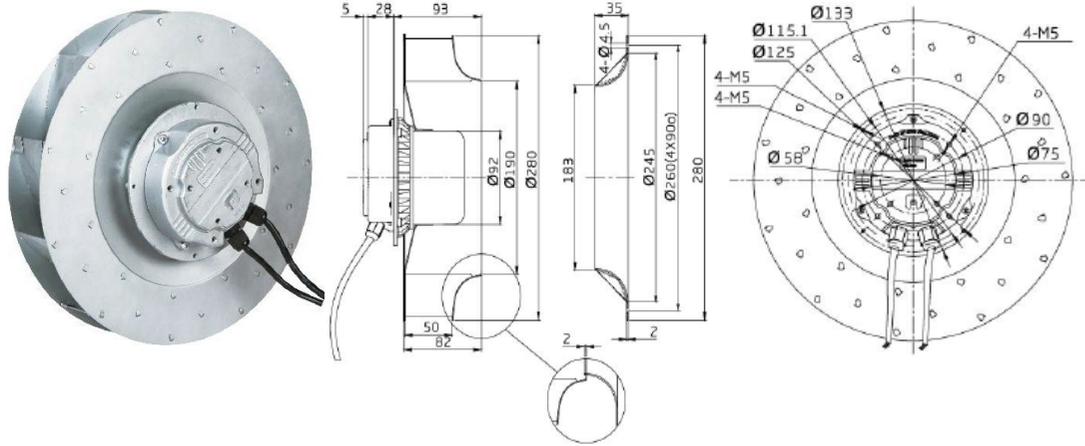
Ø 250 EC BACKWARD FAN EC外轉子離心機



材料 Material:	風輪-PP+40%GF; 轉子-鍍黑; 電氣罩-壓鑄鋁 Blade: PP+40%GF; Rotor: Coated in black; Electronics enclosure: Die-cast aluminum
轉向 Direction of rotation:	逆時針 Counter clockwise, view from end cover
電機防護等級 Type of protection:	IP54
安裝位置 Mounting position:	垂直、水平線2個方向 Horizontal or Vertical
工作制 Operation Mode:	S1
軸承 Bearings:	免維護軸承 Maintenance-free ball bearings
電氣特性 Technical features:	控制信號輸入: 0~10V DC/PWM; 集成PID調節; 速度反饋信號; 單路輔助電源: 10V DC±10%, max. 10mA Control input: 0~10V DC/PWM; integrated PID controller; Speed signal feedback Single auxiliary output power supply: 10V DC±10%, max. 10mA
保護 Protection:	限流、堵轉、軟啟動、缺相故障、過溫保護、過/欠壓保護 Current limitation, Stall protection, Soft start protection, Open phase protection, Overheating protection, Over/Under voltage protection
環境溫度 Amb.Temp.:	-25~+60°C
絕緣等級 Insulation class:	F

型號	電壓	頻率	功率	轉速	電流	靜壓	環境溫度	靜壓效率	能效值	噪音
MODEL	Voltage	Frequency	Power	RPM	Current	Psf	Temp.	ηsf	EFF.Grade	Noise
	V	Hz	W	r/min	A	Pa	°C	%	N	dB(A)
PMDWF74L25-250x85	1~230±10%	50/60	192	2703	1.3	301	-40~+60	41.01	59	71

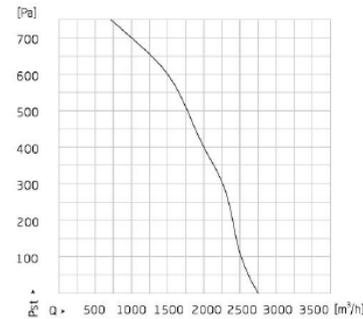
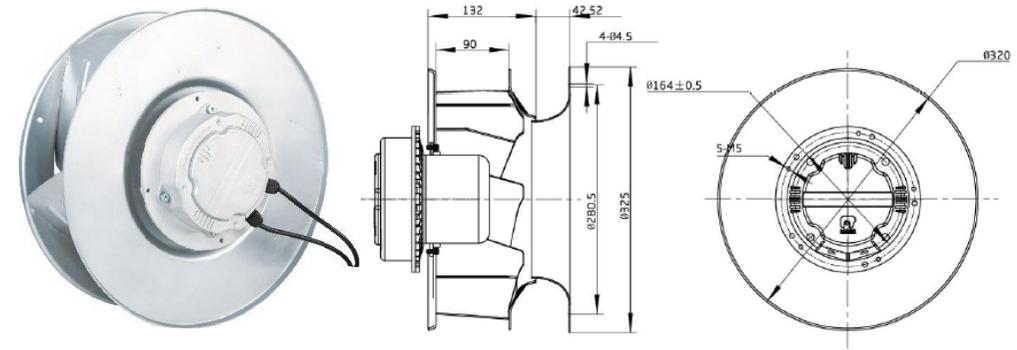
Ø 280 EC BACKWARD FAN EC外轉子離心機



材料 Material:	風輪-PP+40%GF; 轉子-鍍黑; 電氣罩-壓鑄鋁 Blade - PP+40%GF; Rotor - Coated in black; Electronics enclosure - Die-cast aluminum
轉向 Direction of rotation:	逆時針·從引線端看 Counter clockwise, view from end cover
電機防護等級 Type of protection:	IP54
安裝位置 Mounting position:	垂直、水平線2個方向 Horizontal or Vertical
工作制 Operation Mode:	S1
軸承 Bearings:	免維護軸承 Maintenance-free ball bearings
電氣特性 Technical features:	控制信號輸入: 0~10V DC/PWM; 集成PID調節; 速度反饋信號; 單路輔助電源: 10V DC±10%, max. 10mA Control input: 0~10V DC/PWM; Integrated PID controller; Speed signal feedback Single auxiliary output power supply: 10V DC±10%, max. 10mA
保護 Protection:	限流、堵轉、軟啟動、缺相故障、過溫保護、過/欠壓保護 Current limitation, Stall protection, Soft start protection, Open phase protection, Overheating protection, Over/Under voltage protection
環境溫度 Amb.Temp:	-25~+60°C
絕緣等級 Insulation class:	F

型號	電壓	頻率	功率	轉速	電流	靜壓	環境溫度	靜壓效率	能效值	噪音
MODEL	Voltage	Frequency	Power	RPM	Current	Psf	Temp.	ηsf	EFF.Grade	Noise
	V	Hz	W	r/min	A	Pa	°C	%	N	dB(A)
PMDWF74L25-280x82	1~230±10%	50/60	240	2487	1.6	444	-40~+60	44.92	62	78

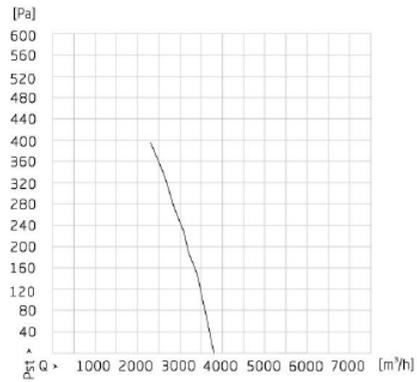
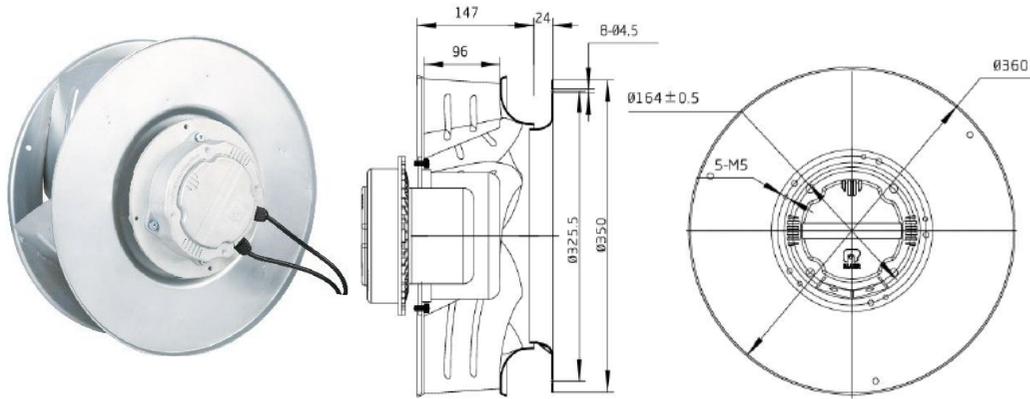
Ø 315 EC BACKWARD FAN EC外轉子離心機



材料 Material:	風輪-ABS; 轉子-鍍黑; 電氣罩-壓鑄鋁 Impeller - ABS; Rotor - Coated in black; Electronics enclosure - Die-cast aluminum
轉向 Direction of rotation:	逆時針·從引線端看 Counter clockwise, view from end cover
電機防護等級 Type of protection:	IP54
安裝位置 Mounting position:	垂直、水平線2個方向 Horizontal or Vertical
工作制 Operation Mode:	S1
軸承 Bearings:	免維護軸承 Maintenance-free ball bearings
電氣特性 Technical features:	控制信號輸入: 0~10V DC/PWM; 含主動式PEC電路; 集成PID調節; 速度反饋信號; 報警信號繼電器 單路輔助電源: 10V DC±10%, max. 10mA Control input: 0~10V DC/PWM; PEC(active); Integrated PID controller; Speed signal feedback; Relay Single auxiliary output power supply: 10V DC±10%, max. 10mA
保護 Protection:	限流、堵轉、軟啟動、缺相故障、過溫保護、過/欠壓保護 Current limitation, Stall protection, Soft start protection, Open phase protection, Overheating protection, Over/Under voltage protection
環境溫度 Amb.Temp:	-25~+60°C
絕緣等級 Insulation class:	F

型號	電壓	頻率	功率	風量	電流	轉速	噪音
MODEL	Voltage	Frequency	Power	Airflow	Current	RPM	Noise
	V	Hz	W	m³/h	A	r/min	dB(A)
PMDWF084L50P10-B315x139	1~230	50/60	360	2650	2.3	2600	70

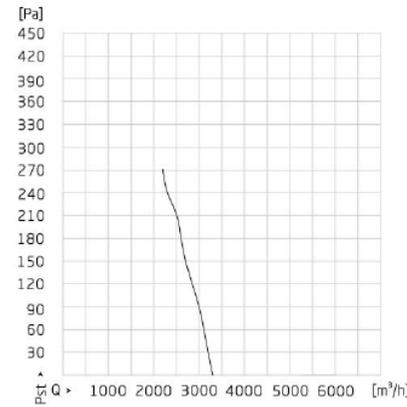
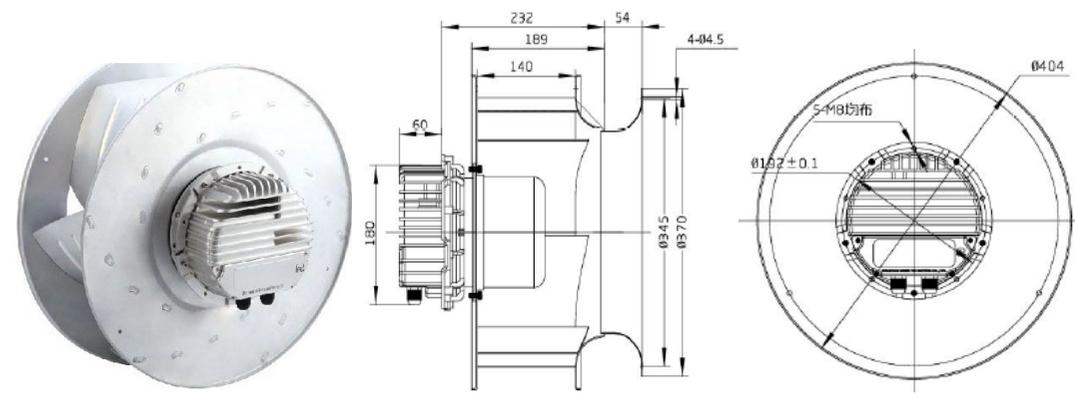
Ø 355 EC BACKWARD FAN EC外轉子離心機



材料 Material:	風輪-ABS; 轉子-鍍黑; 電氣罩-壓鑄鋁 Impeller: ABS; Rotor: Coated in black; Electronics enclosure: Die-cast aluminum
轉向 Direction of rotation:	逆時針 Counter clockwise, view from end cover
電機防護等級 Type of protection:	IP54
安裝位置 Mounting position:	豎直、水平線2個方向 Horizontal or Vertical
工作制 Operation Mode:	S1
軸承 Bearings:	免維護軸承 Maintenance-free ball bearings
電氣特性 Technical features:	控制信號輸入: 0~10V DC/PWM; 含主動式PFC電路; 集成PID調節; 速度反饋信號; 報警信號繼電器 單路輔助電源: 10V DC±10%, max. 10mA Control input 0~10V DC/PWM; PFC(active); Integrated PID controller; Speed signal feedback; Relay Single auxiliary output power supply: 10V DC±10%, max. 10mA
保護 Protection:	限流、堵轉、軟啟動、缺相故障、過溫保護、過/欠壓保護 Current limitation, Stall protection, Soft start protection, Open phase protection, Overheating protection, Over/Under voltage protection
環境溫度 Amb.Temp:	-25~+60°C
絕緣等級 Insulation class:	F

型號	電壓	頻率	功率	風量	電流	轉速	噪音
MODEL	Voltage	Frequency	Power	Airflow	Current	RPM	Noise
	V	Hz	W	m³/h	A	r/min	dB(A)
PMDWF084L50P10-B355x147	1~230	50/60	500	3800	1.50	1900	70

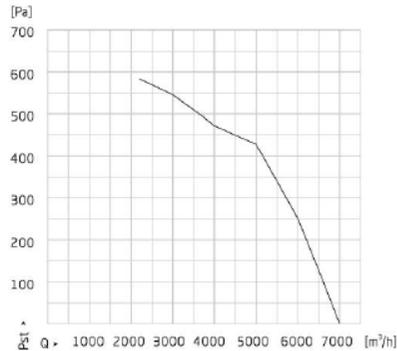
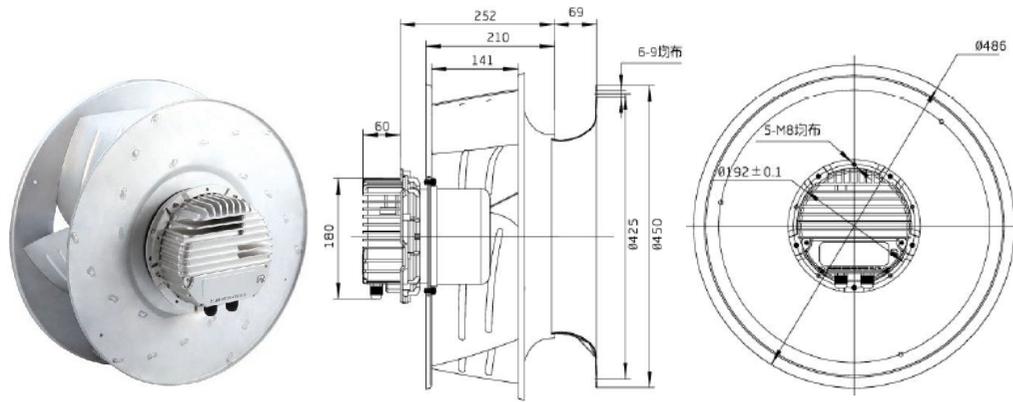
Ø 400 EC BACKWARD FAN EC外轉子離心機



材料 Material:	風輪-ABS; 轉子-鍍黑; 電氣罩-壓鑄鋁 Impeller: ABS; Rotor: Coated in black; Electronics enclosure: Die-cast aluminum
轉向 Direction of rotation:	逆時針 - 從引線端看 Counter clockwise, view from end cover
電機防護等級 Type of protection:	IP54
安裝位置 Mounting position:	豎直、水平線2個方向 Horizontal or Vertical
工作制 Operation Mode:	S1
軸承 Bearings:	免維護軸承 Maintenance-free ball bearings
電氣特性 Technical features:	控制信號輸入: 0~10V DC/PWM; 含主動式PFC電路; 集成PID調節; 速度反饋信號; 報警信號繼電器 單路輔助電源: 10V DC±10%, max. 10mA Control input 0~10V DC/PWM; PFC(active); Integrated PID controller; Speed signal feedback; Relay Single auxiliary output power supply: 10V DC±10%, max. 10mA
保護 Protection:	限流、堵轉、軟啟動、缺相故障、過溫保護、過/欠壓保護 Current limitation, Stall protection, Soft start protection, Open phase protection, Overheating protection, Over/Under voltage protection
環境溫度 Amb.Temp:	-25~+60°C
絕緣等級 Insulation class:	F

型號	電壓	頻率	功率	風量	電流	轉速	噪音
MODEL	Voltage	Frequency	Power	Airflow	Current	RPM	Noise
	V	Hz	W	m³/h	A	r/min	dB(A)
PMSWF112L60P10-B400x188	3~400	50/60	400	4000	2.0	1500	76

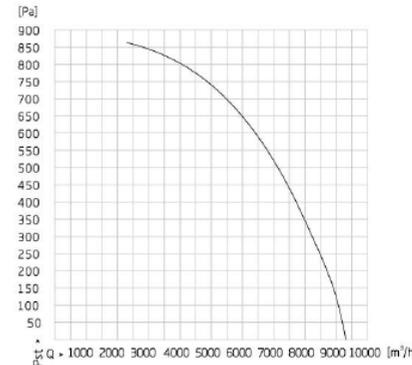
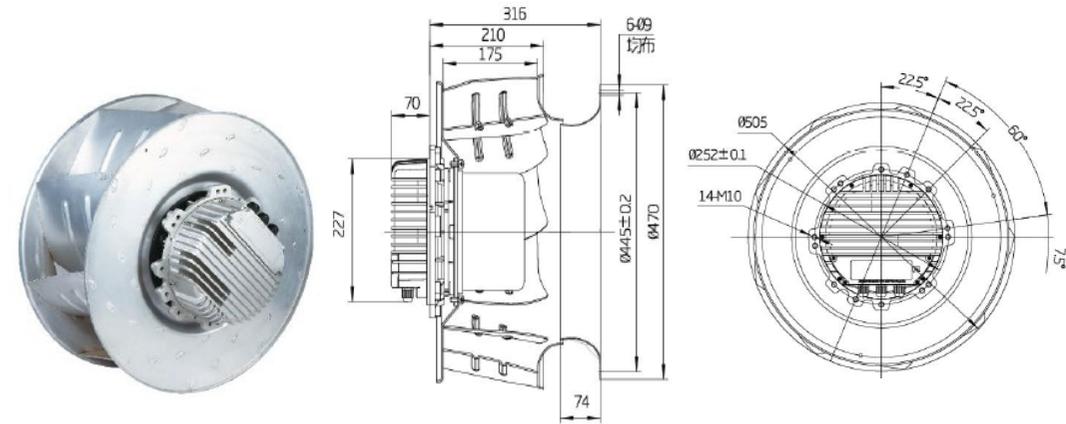
Ø 450 EC BACKWARD FAN EC外轉子離心機



材料 Material:	風輪-ABS; 轉子-鍍黑; 電氣罩-壓鑄鋁 Impeller - ABS; Rotor - Coated in black; Electronics enclosure - Die-cast aluminum
轉向 Direction of rotation:	逆時針 - 從引線端看 Counter clockwise, view from end cover
電機防護等級 Type of protection:	IP54
安裝位置 Mounting position:	豎直、水平線2個方向 Horizontal or Vertical
工作制 Operation Mode:	S1
軸承 Bearings:	免維護軸承 Maintenance-free ball bearings
電氣特性 Technical features:	控制信號輸入: 0~10V DC/PWM; 含主動式PFC電路; 集成PID調節; 速度反饋信號; 報警信號繼電器 單路輔助電源: 10V DC±10%, max. 10mA Control input 0~10V DC/PWM; PFC(active); Integrated PID controller; Speed signal feedback; Relay Single auxiliary output power supply: 10V DC±10%, max. 10mA
保護 Protection:	限流、堵轉、軟啟動、缺相故障、過溫保護、過/欠壓保護 Current limitation, Stall protection, Soft start protection, Open phase protection, Overheating protection, Over/Under voltage protection
環境溫度 Amb.Temp.:	-25~+60°C
絕緣等級 Insulation class:	F

型號	電壓	頻率	功率	風量	電流	轉速	噪音
MODEL	Voltage	Frequency	Power	Airflow	Current	RPM	Noise
	V	Hz	W	m³/h	A	r/min	dB(A)
PMSWF112L60P10-B450x210	3~400	50/60	650	7100	1.3	1600	78

Ø 500 EC BACKWARD FAN EC外轉子離心機

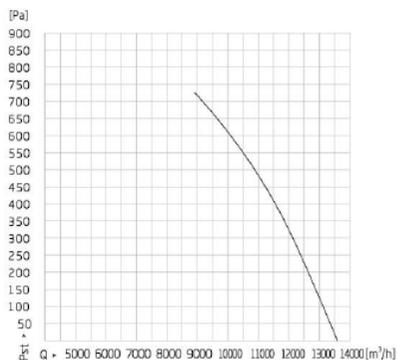
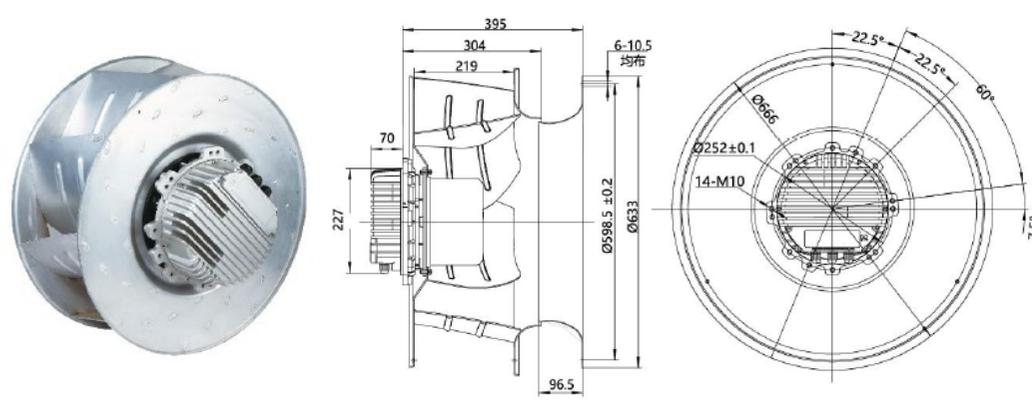
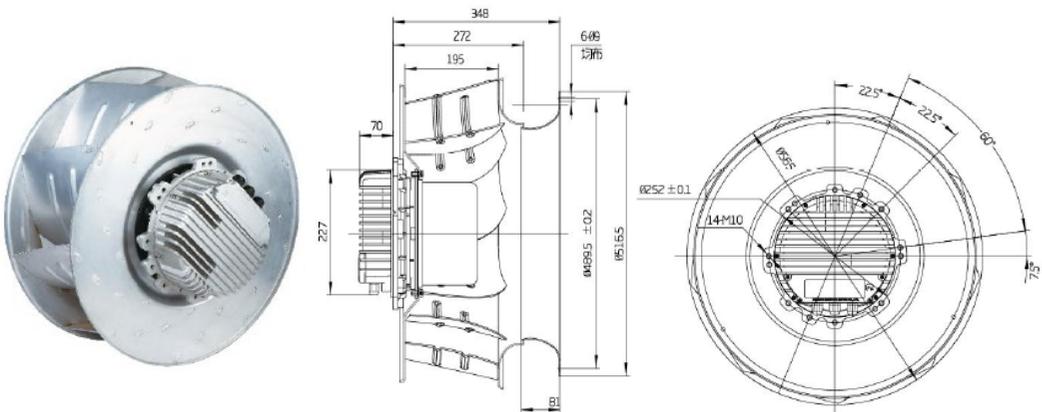


材料 Material:	風輪-ABS; 轉子-鍍黑; 電氣罩-壓鑄鋁 Impeller - ABS; Rotor - Coated in black; Electronics enclosure - Die-cast aluminum
轉向 Direction of rotation:	逆時針 - 從引線端看 Counter clockwise, view from end cover
電機防護等級 Type of protection:	IP54
安裝位置 Mounting position:	豎直、水平線2個方向 Horizontal or Vertical
工作制 Operation Mode:	S1
軸承 Bearings:	免維護軸承 Maintenance-free ball bearings
電氣特性 Technical features:	控制信號輸入: 0~10V DC/PWM; 電流控制: 4-20mA; 集成PID調節; 速度反饋信號; 報警信號繼電器 雙路輔助電源: 10V DC±10%, max. 50mA Control input 0~10V DC/PWM; Current input control 4-20mA; Integrated PID controller; Speed signal feedback; Relay Dual auxiliary output power supplies: 10V DC±10%, max. 10mA; 20V DC±10%, max. 50mA
保護 Protection:	限流、堵轉、軟啟動、缺相故障、過溫保護、過/欠壓保護 Current limitation, Stall protection, Soft start protection, Open phase protection, Overheating protection, Over/Under voltage protection
環境溫度 Amb.Temp.:	-40~+65°C
絕緣等級 Insulation class:	F

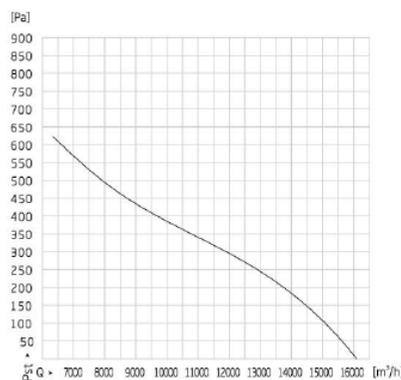
型號	電壓	頻率	功率	風量	電流	轉速	噪音
MODEL	Voltage	Frequency	Power	Airflow	Current	RPM	Noise
	V	Hz	W	m³/h	A	r/min	dB(A)
PMSWF150L85P10-B500x230	3~400	50/60	1500	9300	2.8	1650	75

Ø 560 EC BACKWARD FAN EC外轉子離心機

Ø 630 EC BACKWARD FAN EC外轉子離心機



材料 Material:	風輪-ABS; 轉子-鍍黑; 電氣罩-壓鑄鋁 Impeller - ABS; Rotor - Coated in black; Electronics enclosure - Die-cast aluminum
轉向 Direction of rotation:	逆時針 - 從引線端看 Counter clockwise, view from end cover
電機防護等級 Type of protection:	IP54
安裝位置 Mounting position:	豎直、水平線2個方向 Horizontal or Vertical
工作制 Operation Mode:	S1
軸承 Bearings:	免維護軸承 Maintenance-free ball bearings
電氣特性 Technical features:	控制信號輸入: 0~10V DC/PWM; 電流控制: 4~20mA; 集成PID調節; 速度反饋信號; 報警信號繼電器 Control input 0~10V DC/PWM; Current input control 4~20mA; Integrated PID controller; Speed signal feedback; Relay 雙路輔助電源: 10V DC±10%, max. 50mA Dual auxiliary output power supplies: 10V DC±10%, max. 10mA; 20V DC±10%, max. 50mA
保護 Protection:	限流、堵轉、軟啟動、缺相故障、過溫保護、過/欠壓保護 Current limitation, Stall protection, Soft start protection, Open phase protection, Overheating protection, Over/Under voltage protection
環境溫度 Amb.Temp.:	-40~+65°C
絕緣等級 Insulation class:	F



材料 Material:	風輪-ABS; 轉子-鍍黑; 電氣罩-壓鑄鋁 Impeller - ABS; Rotor - Coated in black; Electronics enclosure - Die-cast aluminum
轉向 Direction of rotation:	逆時針 - 從引線端看 Counter clockwise, view from end cover
電機防護等級 Type of protection:	IP54
安裝位置 Mounting position:	豎直、水平線2個方向 Horizontal or Vertical
工作制 Operation Mode:	S1
軸承 Bearings:	免維護軸承 Maintenance-free ball bearings
電氣特性 Technical features:	控制信號輸入: 0~10V DC/PWM; 電流控制: 4~20mA; 集成PID調節; 速度反饋信號; 報警信號繼電器 Control input 0~10V DC/PWM; Current input control 4~20mA; Integrated PID controller; Speed signal feedback; Relay 雙路輔助電源: 10V DC±10%, max. 50mA Dual auxiliary output power supplies: 10V DC±10%, max. 10mA; 20V DC±10%, max. 50mA
保護 Protection:	限流、堵轉、軟啟動、缺相故障、過溫保護、過/欠壓保護 Current limitation, Stall protection, Soft start protection, Open phase protection, Overheating protection, Over/Under voltage protection
環境溫度 Amb.Temp.:	-40~+65°C
絕緣等級 Insulation class:	F

型號	電壓	頻率	功率	風量	電流	轉速	噪音
MODEL	Voltage	Frequency	Power	Airflow	Current	RPM	Noise
	V	Hz	W	m³/h	A	r/min	dB(A)
PMSWF150L85P10-B560x260	3~400	50/60	1900	13500	3.2	1500	81

型號	電壓	頻率	功率	風量	電流	轉速	噪音
MODEL	Voltage	Frequency	Power	Airflow	Current	RPM	Noise
	V	Hz	W	m³/h	A	r/min	dB(A)
PMSWF150L85P10-B630x290	3~400	50/60	1800	16100	3.3	1200	80

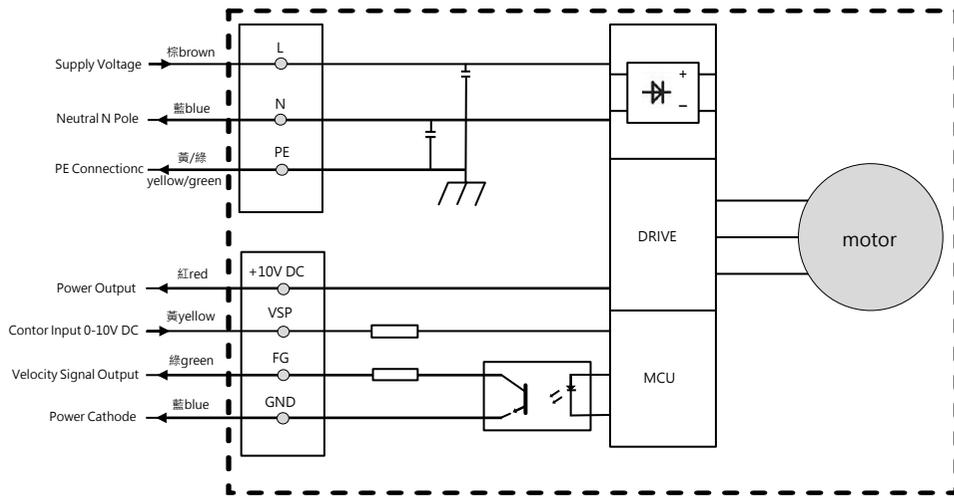
EC AXIAL BACKWARD EC外轉子離心機

1-230V EC074電機

074-230V SERIES MOTOR WIRING INSTRUCTION

074電機系列接線說明圖

Wiring diagram 接線標示圖



Portal function 接線端口功能說明圖

序號	信號	分配/功能	序號	信號	分配/功能
P1	L	交流電接入, 供給電壓1~207-277V AC; 頻率50/60Hz	P2	GND	接口P2控制信號地
	N	交流電接入, 中性線N級		0~10V/PWM	控制輸入0~10V DC/PWM
	PE	接地線, PE連接		FG	速度反饋信號
			10V	固定電壓輸出10V DC (±10%最大.10mA)	

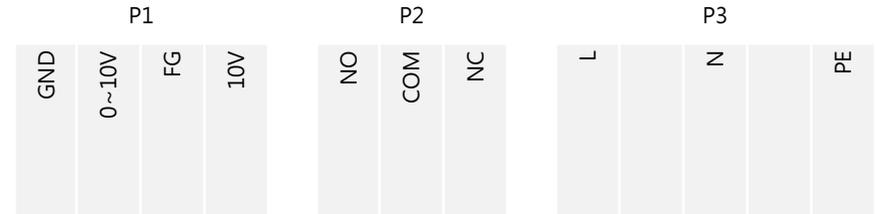
序號	信號	分配/功能	序號	信號	分配/功能
P1	L	AC power in, Voltage Input 1~207-277V; 50/60Hz	P2	GND	Interface P3 for Signal Control, Ground
	N	AC power in, Neutral N Pole		0~10V/PWM	Controller Input 0~10V DC/PWM
	PE	Protect Earthing, Ground		FG	Speed Signal Feedback
			10V	Rated Voltage Output 10V DC (±10%max. 10mA)	

EC AXIAL BACKWARD EC外轉子離心機

084-220V SERIES MOTOR WIRING INSTRUCTION

084電機系列接線說明圖

Wiring diagram 接線標示圖



Portal function 接線端口功能說明圖

序號 HUB	信號 Protal	分配/功能 Description/Function	序號 HUB	信號 Protal	分配/功能 Description/Function
PE	PE(黃/綠) Yellow/Green	接地線 · PE連接 Earth connection, PE connection	P3	10V(紅) Red	固定電壓輸出10VDC (+10%最大. 10mA) Rated voltage output 10VDC (+10%max. 10mA)
P1	N(藍) Blue	交流電接入 · 中性線N級 AC power in, Neutral N pole		FG(綠) Green	速度反饋信號 Speed Signal Feedback
	L(棕) Brown	交流電接入 · 供給電壓1~207-277VAC; 頻率50/60Hz AC power in, 1~207-277VAC; 50/60Hz		0~10V/PWM(黃) Yellow	控制輸入0~10VDC /PWM Control input 0~10VDC/PWM
P2	NO(橙) Orange	狀態繼電器 · 浮動狀態觸點; 常開; 關閉錯誤 Status relay, alterable status contact; normally turn-on; turn-off when error	GND(藍) Blue	接口P3控制信號地 Interface P3 for Signal control, ground	
	COM(灰) Gray	狀態斷電器 · 公共連接 · 連接等級250VAC/2A Status relay, universal connectivity; contact rating 250VAC/2A			
	NC(白) White	狀態斷電器 · 常閉 · 解除錯誤 Status relay, normally turn-off; turn-on when error			

EC AXIAL BACKWARD EC外轉子離心機

3-400V EC112電機

3-400V EC150電機

EC AXIAL BACKWARD EC外轉子離心機

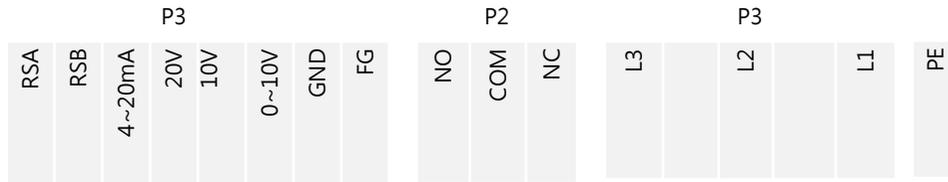
112-400V SERIES MOTOR WIRING INSTRUCTION

112電機系列接線說明圖

150-400V SERIES MOTOR WIRING INSTRUCTION

150電機系列接線說明圖

Wiring diagram 接線標示圖



Wiring diagram 接線標示圖



Portal function 接線端口功能說明圖

序號 HUB	信號 Protal	分配/功能 Description/Function
P1	L3	交流電接入·供給電壓3~380-480VAC; 頻率50/60Hz AC power in, voltage 3~380-480VAC; 50/60Hz
	L2	交流電接入·供給電壓3~380-480VAC; 頻率50/60Hz AC power in, voltage 3~380-480VAC; 50/60Hz
	L1	交流電接入·供給電壓3~380-480VAC; 頻率50/60Hz AC power in, voltage 3~380-480VAC; 50/60Hz
PE	PE	接地線·PE連接 Protect earthing, ground
P2	NO	狀態繼電器·浮動狀態觸點; 常開; 關閉錯誤 Status relay, alterable state contact; Normally turn-on; turn-off when error
	COM	狀態斷線器·公共連接·連接等級250VAC/2A Status relay, universal connectivity; contact rating 250V AC/2A
	NC	狀態斷電器·常閉·解除錯誤 Status relay, normally turn-off; turn-on when error

序號 HUB	信號 Protal	分配/功能 Description/Function
P3	RSA	RSA485總線連接; RSA; MODBUS通訊協議RTU方式 BUS RSA485; RSA; MODBUS RTU
	RSB	RSA485總線連接; RSA; MODBUS通訊協議RTU方式 BUS RSA485; RSA; MODBUS RTU
	GND	接口P3控制信號地 Interface P3 for singal control, ground
	0~10V/PWM	控制輸入0~10VDC/PWM Analogue input 1(set value) 0~10V DC/PWM
	4~20mA	控制輸入4~20mA Analogue Control input 4~20mA
	20V	固定電壓輸出20VDC(±10% max. 50mA) Rated voltage output 20VDC(±10% max. 50mA)
	10V	固定電壓輸出10VDC(±10% max. 50mA) Rated voltage output 10VDC(±10% max. 10mA)
	FG	速度反饋信號 Speed Signal Feedback(Fault Feedback)

Portal function 接線端口功能說明圖

序號 HUB	信號 Protal	分配/功能 Description/Function
P1	L3	交流電接入·供給電壓3~380-480VAC; 頻率50/60Hz AC power in, voltage 3~380-480VAC; 50/60Hz
	L2	交流電接入·供給電壓3~380-480VAC; 頻率50/60Hz AC power in, voltage 3~380-480VAC; 50/60Hz
	L1	交流電接入·供給電壓3~380-480VAC; 頻率50/60Hz AC power in, voltage 3~380-480VAC; 50/60Hz
PE	PE	接地線·PE連接 Protect earthing, ground
P2	NO	狀態繼電器·浮動狀態觸點; 常開; 關閉錯誤 Status relay, alterable state contact; Normally turn-on; turn-off when error
	COM	狀態斷線器·公共連接·連接等級250VAC/2A Status relay, universal connectivity; contact rating 250V AC/2A
	NC	狀態斷電器·常閉·解除錯誤 Status relay, normally turn-off; turn-on when error

序號 HUB	信號 Protal	分配/功能 Description/Function
P3	RSA	RSA485總線連接; RSA; MODBUS通訊協議RTU方式 BUS RSA485; RSA; MODBUS RTU
	RSB	RSA485總線連接; RSA; MODBUS通訊協議RTU方式 BUS RSA485; RSA; MODBUS RTU
	GND	接口P3控制信號地 Interface P3 for singal control, ground
	Ain1 U	控制輸入0~10VDC/PWM Analogue input 1(set value) 0~10V DC/PWM
	4~20mA	控制輸入4~20mA Analogue Control input 4~20mA
	20V	固定電壓輸出20VDC(±10% max. 50mA) Rated voltage output 20VDC(±10% max. 50mA)
	10V	固定電壓輸出10VDC(±10% max. 50mA) Rated voltage output 10VDC(±10% max. 10mA)
	Din1	數字式輸入端1電子設備的接通 接通: 管腳為開路或者所施加的電壓為5到50VDC; 截止: 接地橋接或者所施加的電壓<1VDC. Connection of Digital input 1 enabling of electronics enabling: oping pin or applied voltage 5-50V DC; disabling: bridge to GND or applied voltage<1V DC
	FG	速度反饋信號 Speed Signal Feedback(Fault Feedback)