

產品編號 (Part Number)	減速比 (Gear Ratio)	額定轉矩 (Rated Torque)	容許懸吊載重 (Permissible Overhung Load)	容許推力載重 (Permissible Thrust Load)	馬達轉速對應減速機輸出轉矩 (Gearhead Output Tq. by Motor Speed)	
					馬達轉速(Motor Speed) 100 ~ 3000 r/min	馬達轉速(Motor Speed) 3500 r/min
EVM5K35030-B20F (BL5K35030-B20F)	20.87121212	22.1 N-m	1680 N (168 Kg)	300 N (30 Kg)	17.82 N-m	7.93 N-m
EVM5K35030-B30F (BL5K35030-B30F)	29.21969697	33.2 N-m	1680 N (168 Kg)	300 N (30 Kg)	26.73 N-m	11.9 N-m
EVM5K35030-B50F (BL5K35030-B50F)	50.56198347	55.3 N-m	2040 N (204 Kg)	300 N (30 Kg)	44.55 N-m	19.84 N-m

馬達特性規格(Motor Performace Spec.)

額定電壓(Rated Voltage)	24 VDC
無載轉速(No Load Speed)	4200 r/min
轉向(Direction of Rotation)	CW
額定功率(Rated Power)	350 W
額定轉矩(Rated Torque)	1.1 N-m
起動轉矩(Starting Torque)	2.2 N-m
額定輸入電流(Rated Input Current)	18 A
額定相電流(Rated Phase Current)	17.5 A
額定轉速(Rated Speed)	3000 r/min
線間電阻(L-L Resistance)	65mΩ +/- 10%
耐壓測試(Hi-Pot)	1000VAC/1mA/1sec.
絕緣測試(Insulation Test)	500VDC/50MΩ min.

換相時序圖 (Commutation Sequence)
8P / from motor bottom, C.C.W

馬達 (Motor Cable)			霍爾信號(Hall Signal)		
U	V	W	S1	S2	S3
X	Low	Hi	1	1	0
Hi	Low	X	0	1	0
Hi	X	Low	0	1	1
X	Hi	Low	0	0	1
Low	Hi	X	1	0	1
Low	X	Hi	1	0	0

產品編號說明
(Part Number Information)

EVM 5 K 350 30 - B XX F

減速機軸型
F - 中空軸

減速比
20 - 1:20
30 - 1:30
50 - 1:50

減速機系列
B - GB系列減速機

馬達額定轉速
30 - 3000 r/min

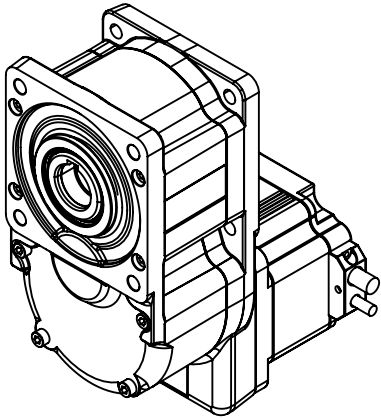
額定功率
350 - 350 W


額定電壓
K - 24 VDC

馬達尺寸(框徑)
5 - 90 mm

馬達系列
EVM - 搭配EV系列馬達

Motor : EVM5K35030GBF
Gearhead: GBXXF



標題(TITLE)	BLDC Motor Hollow Shaft Flat Gearhead	4.0	ESD-403	Regan	Ruby	Gear	2019/03/18	NOTES			
型號(MODEL)	EVM5K35030-BXXF	3.0	ESD-196	Regan	Ruby	Gear	2018/07/09	TOLERANCE TO BE FOLLOWINGS UNLESS OTHERWISE BE SPECIFIED:			
								LENGTH (mm)	TOLERANCE	UNIT:	mm
								0-30 (included)	±0.20mm	SHEET NO:	1/2
								30-120 (included)	±0.30mm		
								120-315 (included)	±0.50mm		
315-1000 (included)	±0.80mm										
規格(SPEC.)	EV系列, 24VDC, 350W, 3000RPM 無刷馬達, 1:XX平行中空軸減速機	2.0	ESD-111	Regan		Gear	2017/11/24			SCALE:	—
		1.0	ECO-260	Regan	Tiffany	Gear	2017/8/2			SIZE:	A4
DWG NO.	SD-06-S0053	VER	ECO NO.	DRWN	CH'KD	APPR	DATE	OVER 1000	±1.20mm		



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