

產品編號 (Part Number)	減速比 (Gear Ratio)	減速機額定轉矩 (Gearhead 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
EVM5N35030E-B20F	20.87121212	22.1 N-m	1680 N (168 Kg)	300 N (30 Kg)	17.82 N-m	7.93 N-m
EVM5N35030E-B30F	29.21969697	33.2 N-m	1680 N (168 Kg)	300 N (30 Kg)	26.73 N-m	11.9 N-m
EVM5N35030E-B50F	50.56198347	55.3 N-m	2040 N (204 Kg)	300 N (30 Kg)	44.55 N-m	19.84 N-m

※註：減速機運轉方向與馬達轉向相反

馬達特性規格 (Motor Performance Spec.)		換相時序圖 (Commutation Sequence) 8P / from motor bottom, C.C.W						
額定電壓(Rated Voltage)	48 VDC	馬達 (Motor Cable)			霍爾信號 (Hall Signal)			
無載轉速(No Load Speed)	4200 r/min	U	V	W	S1	S2	S3	
額定功率(Rated Power)	350 W	X	Low	Hi	1	1	0	
額定轉矩(Rated Torque)	1.1 N-m	Hi	Low	X	0	1	0	
起動轉矩(Starting Torque)	2.2 N-m	Hi	X	Low	0	1	1	
額定輸入電流(Rated Input Current)	10 A	X	Hi	Low	0	0	1	
額定相電流(Rated Phase Current)	8.7 A	Low	Hi	X	1	0	1	
額定轉速(Rated Speed)	3000 r/min	Low	X	Hi	1	0	0	
線間電阻(L-L Resistance)	200 mΩ							
耐壓測試(Hi-Pot)	1000VAC/1mA/1sec.							
絕緣測試(Insulation Test)	500VDC/50MΩ min .							

產品編號說明
(Part Number Information)

EVM5N35030E-BXXF

馬達系列
EVM - 搭配EV系列馬達

馬達尺寸(框徑)
5 - 90 mm

額定電壓
N - 48 VDC

額定功率
350 - 350 W

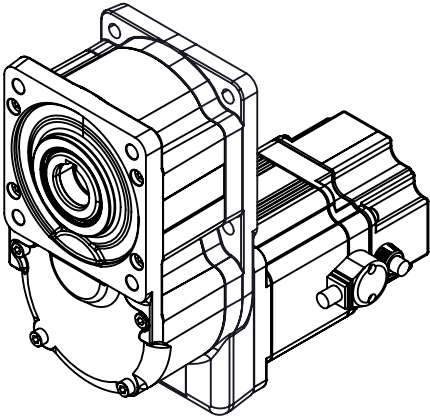
馬達額定轉速
30 - 3000 r/min


機型
E - 搭載搭配編碼器

減速機系列
B - GB系列減速機

減速比
20 - 1:20
33 - 1:33
50 - 1:50

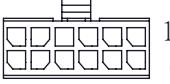
減速機軸型
F - 中空軸



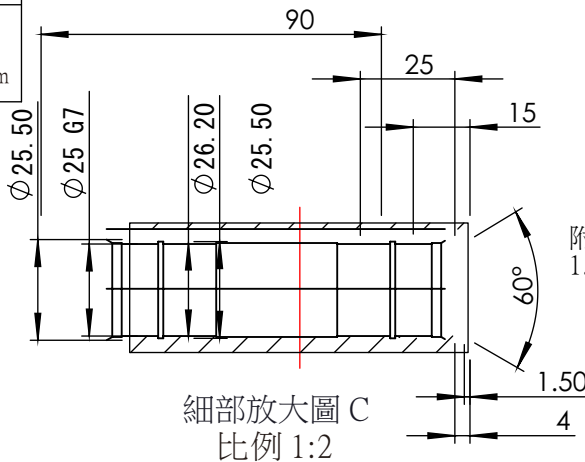
標題(TITLE)	BLDC Motor / Encoder Hollow Shaft Flat Gearhead							NOTES		THIRD ANGLE PROJECTION
								TOLERANCE TO BE FOLLOWINGS UNLESS OTHERWISE BE SPECIFIED:		
型號(MODEL)	EVM5N35030E-BXXF	3.0	ESD-196	Regan		Gear	2018/07/20	LENGTH (mm)	TOLERANCE	UNIT: 
規格(SPEC.)	EV系列, 48VDC, 350W, 3000RPM 無刷馬達, 附編碼器, 1:XX平行中空軸減速機	2.0	ESD-178	Regan		Gear	2018/3/30	0~30 (included)	±0.20mm	SHEET NO: 1/2
								30~120 (included)	±0.30mm	SCALE: —
		1.0	ESD-111	Regan	Tiffany	Gear	2017/11/23	120~315 (included)	±0.50mm	
								315~1000 (included)	±0.80mm	
DWG NO.	SD-06-S0157	VER	ECO NO.	DRWN	CH'KD	APPR	DATE	OVER 1000	±1.20mm	



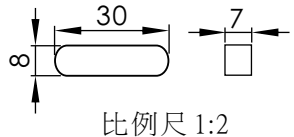
創盟電子工業股份有限公司
TRUMMAN TECHNOLOGY CORP

PD12-I30002 腳位定義 (Pin Function)				馬達動力線 腳位定義 (Pin Function)		
PIN	功能 (Function)	線色 (Color)	線規 (Reamrk)	功能(Function)	線色(Color)	線規(Remark)
1	Shield	隔離網(Braid)	UL 2464耐撓曲Cable, 80℃, 300V, (5x(2x0.25^2)) 對絞有隔離網. (White, Brown) (Green, Yellow) (Gray, Pink) (Blue, Red) (Black, Purple)	U	紅 (Red)	105℃, 300V, 12 AWGx3C 耐油曲, OD:8.5mm
2	OT-	黑(Black)		V	白(White)	
3	Z / W	藍(Blue)		W	黑(Black)	
4	B / V	灰(Gray)		<div><div>712</div><div>16</div><div></div><div>PD12-I30002 (B-B VIEW)</div></div>		
5	A / U	綠(Green)				
6	GND	白(White)				
7	Null	X				
8	OT+	紫(Purple)				
9	Z / W	紅(Red)				
10	B / V	粉(Pink)				
11	A / U	黃(Yellow)				
12	+5V	棕(Brown)				

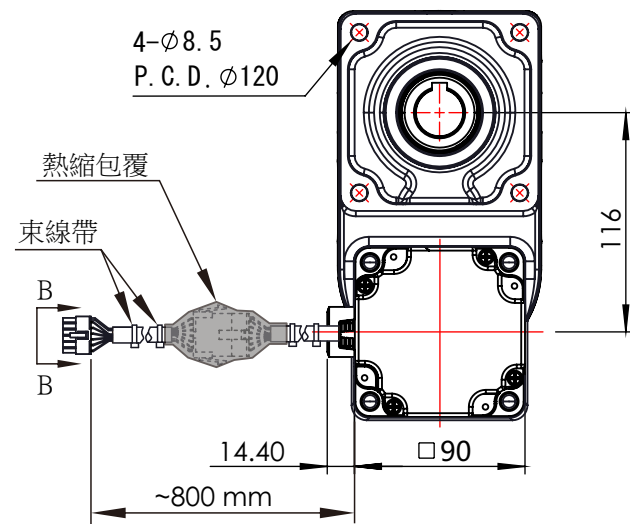
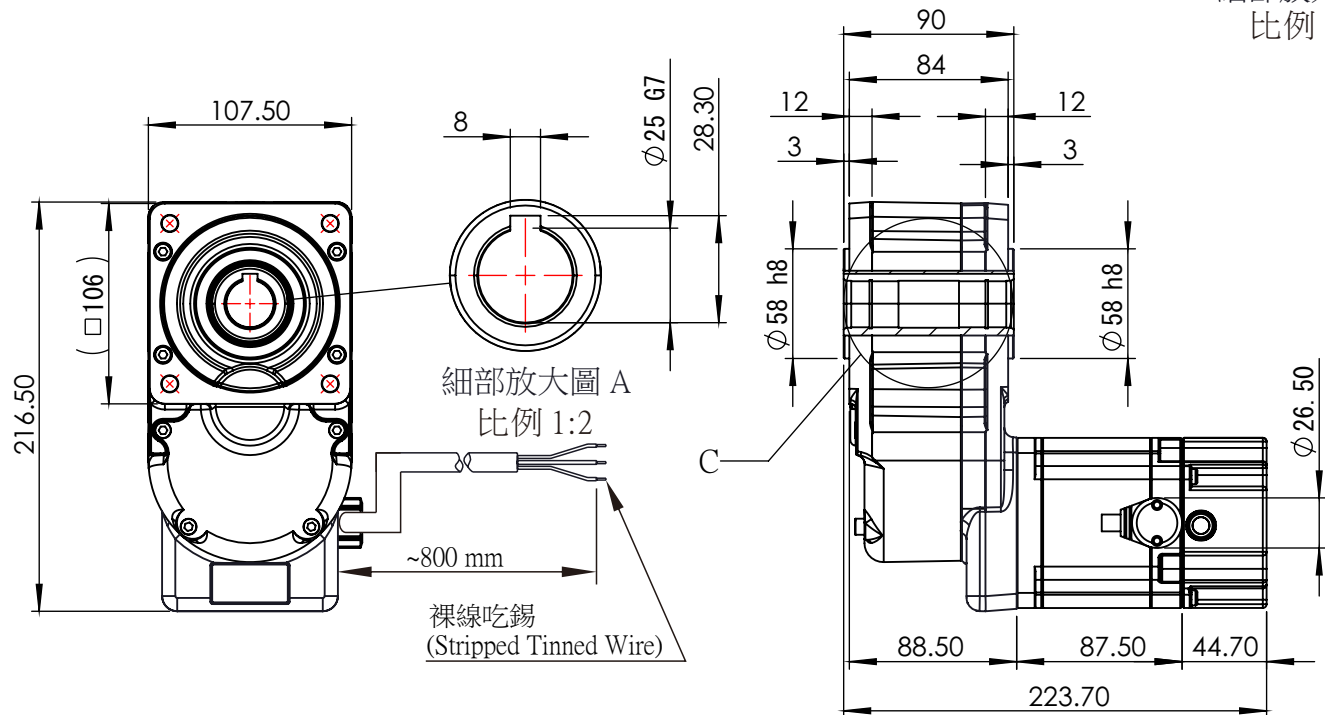
PD12-I30002
(B-B VIEW)




附件:
1. 雙圓頭平行鍵 8x7x30 -----1 PCS



細部放大圖 C
比例 1:2



型號(MODEL)	EVM5N35030E-BXXF
DWG NO.	SD-06-S0157

NOTES		THIRD ANGLE PROJECTION	
TOLERANCE TO BE FOLLOWINGS UNLESS OTHERWISE BE SPECIFIED:			
LENGTH (mm)	TOLERANCE	UNIT:	mm
0~30 (included)	±0.20mm	SHEET NO:	2/2
30~120 (included)	±0.30mm		
120~315 (included)	±0.50mm	SCALE:	1:4
315~1000 (included)	±0.80mm	SIZE:	A4
OVER 1000	±1.20mm		



創盟電子工業股份有限公司
TRUMMAN TECHNOLOGY CORP