

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
ELVM5K10033-U15A1 ELVM5K10033-U15A3	15.27	10 N·m	360 N (36 Kg)	120 N (12 Kg)	3.88 N·m	2.79 N·m
ELVM5K10033-U20A1 ELVM5K10033-U20A3	19.545	13 N·m	400 N (40 Kg)	120 N (12 Kg)	5.18 N·m	3.72 N·m
ELVM5K10033-U25A1 ELVM5K10033-U25A3	26.729	15 N·m	400 N (40 Kg)	120 N (12 Kg)	6.48 N·m	4.66 N·m
ELVM5K10033-U30A1 ELVM5K10033-U30A3	30.352	18 N·m	400 N (40 Kg)	120 N (12 Kg)	7.77 N·m	5.59 N·m
ELVM5K10033-U40A1 ELVM5K10033-U40A3	40.284	20 N·m	400 N (40 Kg)	120 N (12 Kg)	9.33 N·m	6.7 N·m
ELVM5K10033-U50A1 ELVM5K10033-U50A3	50.356	20 N·m	400 N (40 Kg)	120 N (12 Kg)	11.66 N·m	8.38 N·m

馬達特性規格(Motor Performace Spec.)		換相時序圖 (Commutation Sequence) 8P / from motor bottom, C.C.W					
額定電壓(Rated Voltage)	24VDC	馬達 (Motor Cable)			霍爾信號(Hall Signal)		
無載轉速(No Load Speed)	4200 r/min						
轉向(Direction of Rotation)	C.W.	U	V	W	S1	S2	S3
額定功率(Rated Power)	100 W	X	Low	Hi	1	1	0
額定轉矩(Rated Torque)	0.32 N·m	Hi	Low	X	0	1	0
起動轉矩(Starting Torque)	0.64 N·m	Hi	X	Low	0	1	1
額定輸入電流(Rated Input Current)	6.3 A	X	Hi	Low	0	0	1
額定相電流(Rated Phase Current)	5.7 A	Low	Hi	X	1	0	1
額定轉速(Rated Speed)	3300 r/min	Low	X	Hi	1	0	0
線間電阻(L-L Resistance)	290 +/- 8% 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)

ELVM 5 K 100 33 - U XX A X

出軸  
1 - phi 15 mm  
3 - phi 18 mm, M6XP1.0螺深10

平行軸 (鏈槽圓軸)

減速比  
15 - 1:15  
20 - 1:20  
25 - 1:25  
30 - 1:30  
40 - 1:40  
50 - 1:50

GU系列減速機

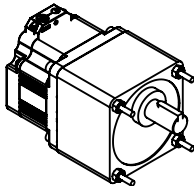
3300rpm


100W

24V

90框

ELV系列馬達



標題(TITLE)	BLDC Motor Parallel Shaft Gearhead							NOTES		THIRD ANGLE PROJECTION 
型號(MODEL)	ELVM5K10033-UXXAX	3.0	ESD-196	Regan		Gear	2018/06/14	TOLERANCE TO BE FOLLOWINGS UNLESS OTHERWISE BE SPECIFIED:		
規格(SPEC.)	ELV系列, 24VDC, 100W, 3300RPM 無刷馬達, 1:XX平行軸減速機	2.0	ESD-115	Regan	Tiffany	Gear	2017/11/28	LENGTH (mm)	TOLERANCE	UNIT: mm
								0~30 (included)	±0.20mm	SHEET NO: 1/2
		VER	ECO NO.	DRWN	CH'KD	APPR	DATE	30~120 (included)	±0.30mm	
								120~315 (included)	±0.50mm	
DWG NO.	SD-06-S0168	Surface Finished:		-				315~1000 (included)	±0.80mm	SIZE: A4
								OVER 1000	±1.20mm	

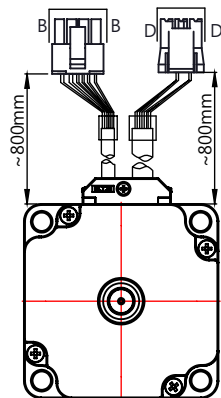
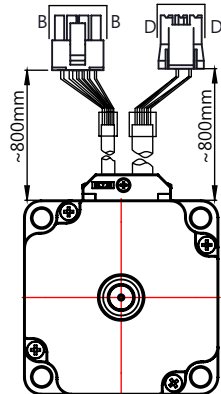
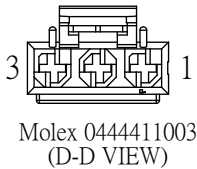
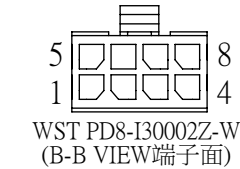


創盟電子工業股份有限公司  
TRUMMAN TECHNOLOGY CORP

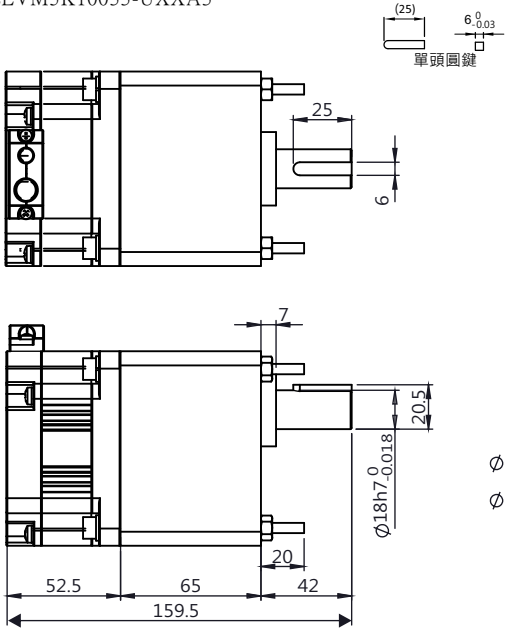
WST PD8-I30002Z-W 腳位定義 (Pin Function)			
PIN	功能(Function)	線色(Color)	線規(Remark)
1	Null	X	U12464, Cable 80 degC, 300V (0.25^2X7C) (白、棕、綠、 黃、灰、粉、藍)/ 隔離網/ PVC耐繞電纜
2	OT+	白(White)	
3	OT-	灰(Gray)	
4	Hall Gnd	綠(Green)	
5	S1	棕(Brown)	
6	S2	粉(Pink)	
7	S3	藍(Blue)	
8	Hall Vcc	黃(Yellow)	

Molex 0444411003 腳位定義 (Pin Function)			
PIN	功能(Function)	線色(Color)	線規(Remark)
1	U	紅(Red)	105degC, 300V 12AWG*3C 耐油曲 OD:8.5
2	V	白(White)	
3	W	黑(Black)	

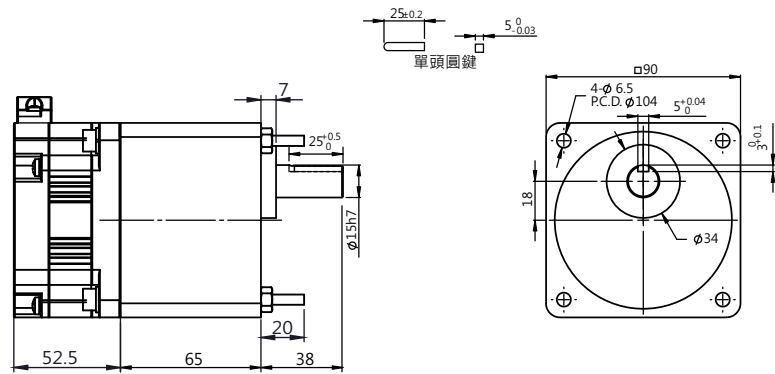
型號(MODEL)	ELVM5K10033-UXXAX
DWG NO.	SD-06-S0168



ELVM5K10033-UXXA3



ELVM5K10033-UXXA1



NOTES		THIRD ANGLE PROJECTION
TOLERANCE TO BE FOLLOWINGS UNLESS OTHERWISE BE SPECIFIED:		
LENGTH (mm)	TOLERANCE	UNIT: mm
0~30 (included)	±0.20mm	
30~120 (included)	±0.30mm	SHEET NO: 2/2
120~315 (included)	±0.50mm	
315~1000 (included)	±0.80mm	SCALE: 1:3.5
OVER 1000	±1.20mm	
		SIZE: A4



創盟電子工業股份有限公司  
TRUMMAN TECHNOLOGY CORP