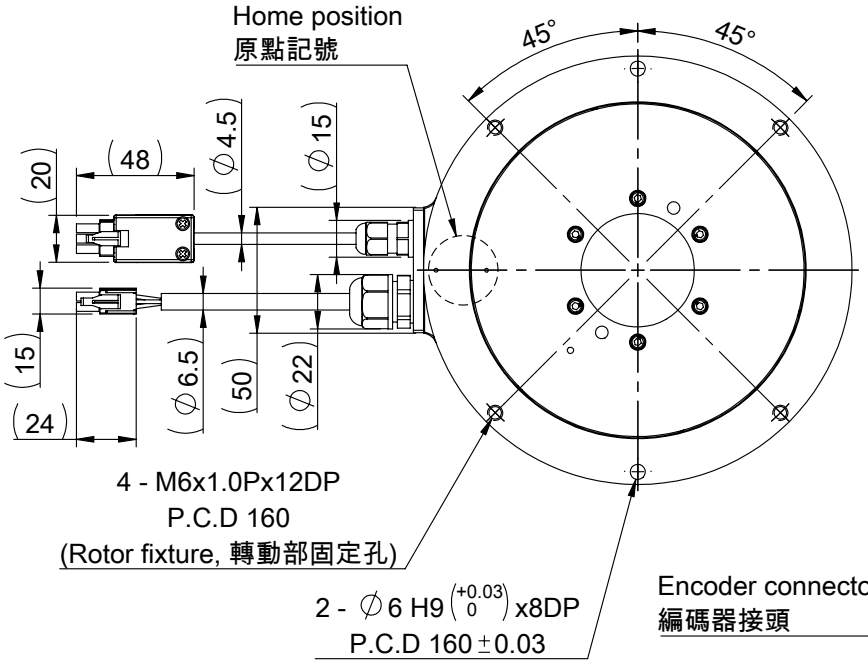
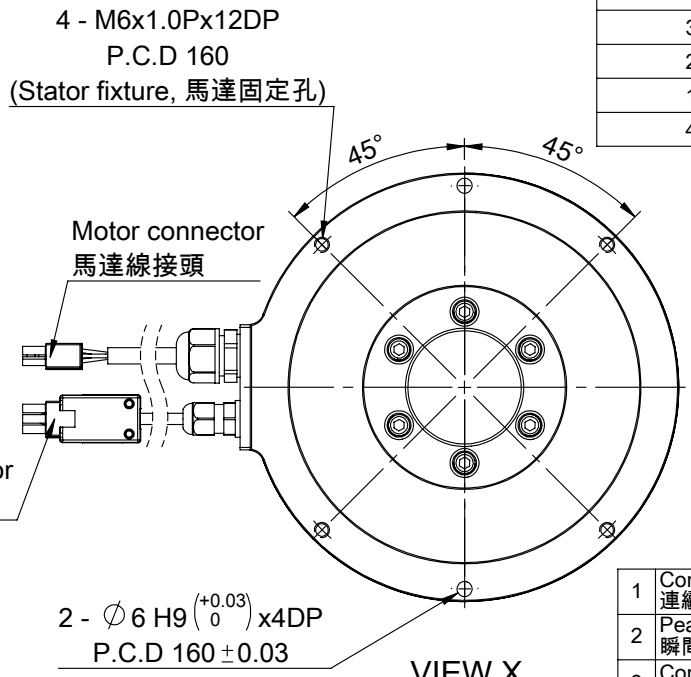
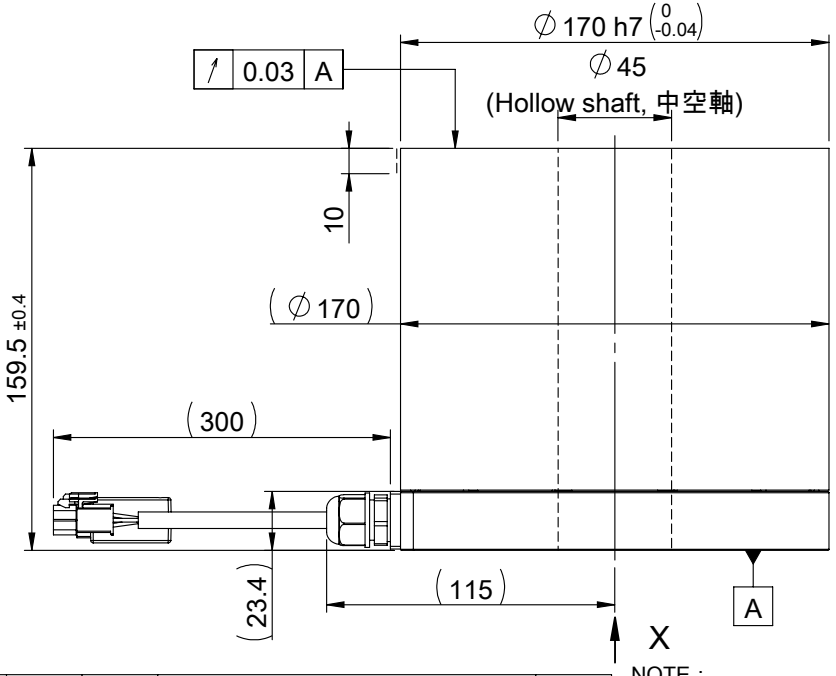
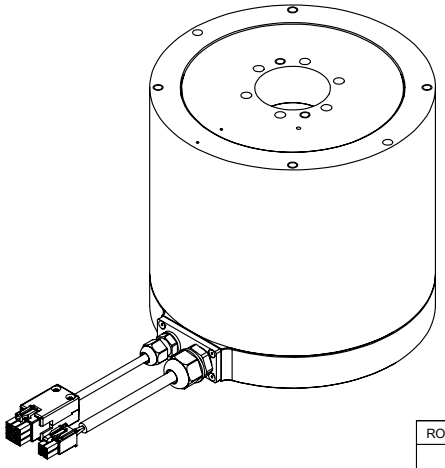
HIWIN CONFIDENTIAL
機密文件未經許可，嚴禁複製





VIEW X





MOTOR WIRING DIAGRAM 馬達電源線配線表	
AMP-172167-1	
Connector(male) 空中接頭(公)	Signal 訊號
3	U
2	V
1	W
4	GND

FIXED BENDING RADIUS 固定式彎曲半徑(mm)	
Motor cable 馬達線材	Encoder cable 訊號線材
20	22.5

ABSOLUTE ENCODER WIRING DIAGRAM 編碼器配線表		
AMP-172169-1		
Function 功能	Connector(male) 空中接頭(公)	Signal 訊號
Power 電源	1	5V
	2	0V
Serial signals 串列訊號	7	PS+
	8	PS-
	9	Shield

1	Cont. torque 連續轉矩 (Nm)	24
2	Peak torque 瞬間轉矩 (Nm)	72
3	Cont. current 連續電流 (Arms)	3.8
4	Peak current 瞬間電流 (Arms)	12
5	Max.speed 最高轉速 (rpm)(220Vac)	400(Without payload，空載)
6	*Repeatability 重現性 (arcsec)	±5
7	*Accuracy range 精度 (arcsec)	±25(With HIWIN Solution)
8	Encoder type 編碼器式樣	Absolute(絕對式)
9	Line count 脈波數 (per revolution)	20 bit(T-code Protocol)
10	Inertia rotating parts 轉動部慣量 (kgm²)	0.033
11	IP level 保護等級	IP 40
12	Motor color 馬達顏色	Black，黑

All the specifications in the table are in ±10% of tolerance
表內所有規格誤差範圍±10%

NOTE：
1.Ensure the flatness of mounting surface to be within 0.01/300 mm.
2.*Inspected by Hiwin solution.
註：
1.為確保精度，安裝HIWIN轉矩馬達的安裝面，平面度需在0.01/300 mm。
2.*以HIWIN檢測方式檢驗。

ITEM	DATE	MODIFIED	DESCRIPTION	APPD
1	Feb.24.20'	莊宗翰	更新馬達規格 (2002484)	陳詠富

ROUGH	FIT	GRD	SCALE	TYPE	DMY68-B0SN00-S0-1SS-0-0	DATE	Feb.19.20'
8.0a	3.2a	0.8a	1:X	CUSTOMER	/	DRN	莊宗翰
SHEET METAL TOLERANCE mm				MATERIAL	/	CHK	吳定韓
UP TO 6	6 30	30 120	120 300	300 600	600 1200	1200 2400	OVER 2400	PART NO.	FM17M2023000	APPD	陳詠富
±0.1	±0.2	±0.3	±0.4	±0.5	±0.8	±1.0	±1.5				

HIWIN MIKROSYSTEM CORP.

NAME	DWG. NO		SHEET
直驅馬達	M20230	A2	1-1