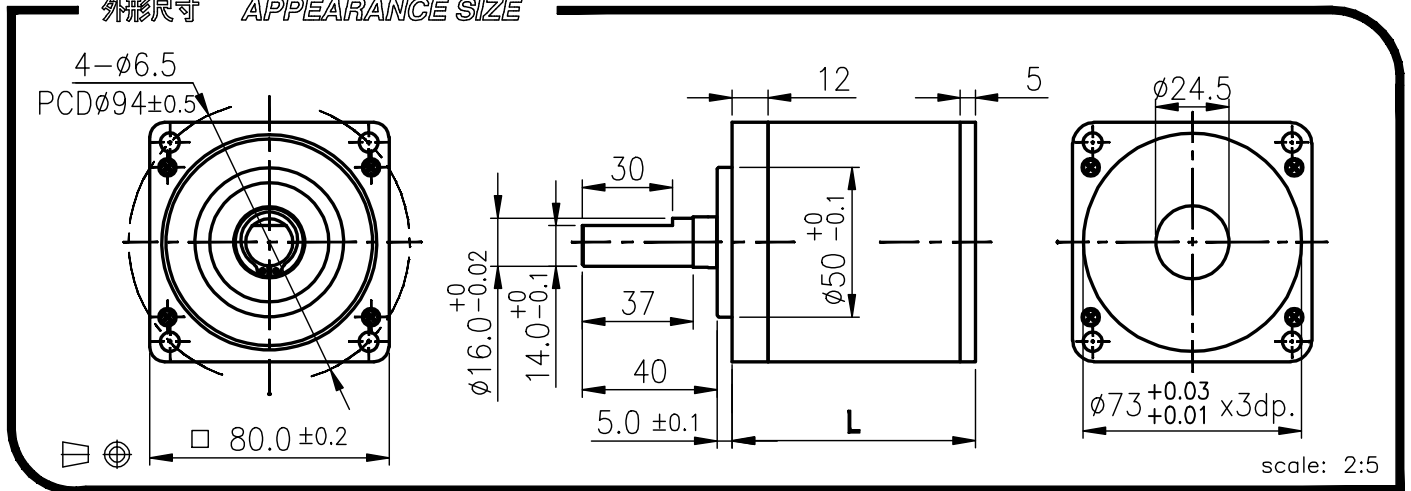


IG-80W



外殼材質 Housing material	金屬 metal	背隙 (無負荷時) Backlash, at no-load	≤ 3°
輸出軸承型式 Bearing at output		滾珠軸承 Ball bearings	
徑向負荷 Radial load (10mm from flange)		≤ 30 kgf	
軸向負荷 Shaft axial load		≤ 10 kgf	
主軸最大承受壓力 Shaft press fit force, max.		≤ 75 kgf	
徑向間隙 Radial play of shaft		≤ 0.08 mm	
軸向間隙 Thrust play of shaft		≤ 0.4 mm	

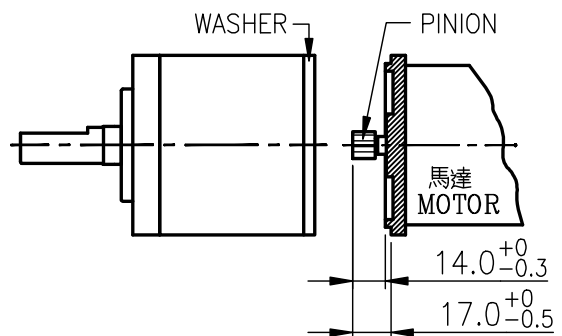
外形尺寸 APPEARANCE SIZE



馬達齒輪型式 / PINION SPECIFICATIONS

模數 Module	1.0	
齒數 No. of teeth	13	21
壓力角 Pressure angle	20°	
孔徑 Hole diameter	$\phi 6 \times 4.5$	$\phi 8 \times 6$
減速比 Reduction ratio	1/19, 1/21, 1/71 1/80, 1/103, 1/117 1/306, 1/393, 1/445 1/571, 1/647,	1/13, 1/15 1/49, 1/55 1/186, 1/211

馬達裝卸方法 / MOTOR INSTALLATION



★ 使用相對溼度: 20%~85%RH ★ 使用溫度範圍: -10°C~+60°C
Operating relative humidity Operating temperature range

標準減速比型式 / GEARBOXES SPECIFICATIONS

減速比 Reduction ratio	精確減速比 Exact reduction ratio	定格容許扭力 Rated tolerance torque	瞬間容許扭力 Max momentary tolerance torque	效率 Efficiency	L	重量 Weight (g)
1/4	3 17/21	15 kgf-cm Max.	45 kgf-cm	80%	49.3	1100
1/13, 1/15	12 4/5, 14 226/441	70 kgf-cm Max.	210 kgf-cm	70%	65.8	1570
1/19, 1/21	18 198/325, 21 9/91	70 kgf-cm Max.	210 kgf-cm	70%	65.8	1570
1/49, 1/55	48 16/21, 55 2645/9261	125 kgf-cm Max.	375 kgf-cm	60%	82.3	2040
1/71, 1/80	70 58/65, 80 240/637	125 kgf-cm Max.	375 kgf-cm	60%	82.3	2040
1/103, 1/117	103 281/4225, 116 1012/1183	125 kgf-cm Max.	375 kgf-cm	60%	82.3	2040
1/186, 1/210	186 335/441, 210 118990/194481	150 kgf-cm Max.	450 kgf-cm	50%	98.8	2510
1/306, 1/393	306 2638/13377, 392 538/845	150 kgf-cm Max.	450 kgf-cm	50%	98.8	2510
1/445, 1/571	445 1355/8281, 570 45582/54925	150 kgf-cm Max.	450 kgf-cm	50%	98.8	2510
1/647	647 3067/15379	150 kgf-cm Max.	450 kgf-cm	50%	98.8	2510

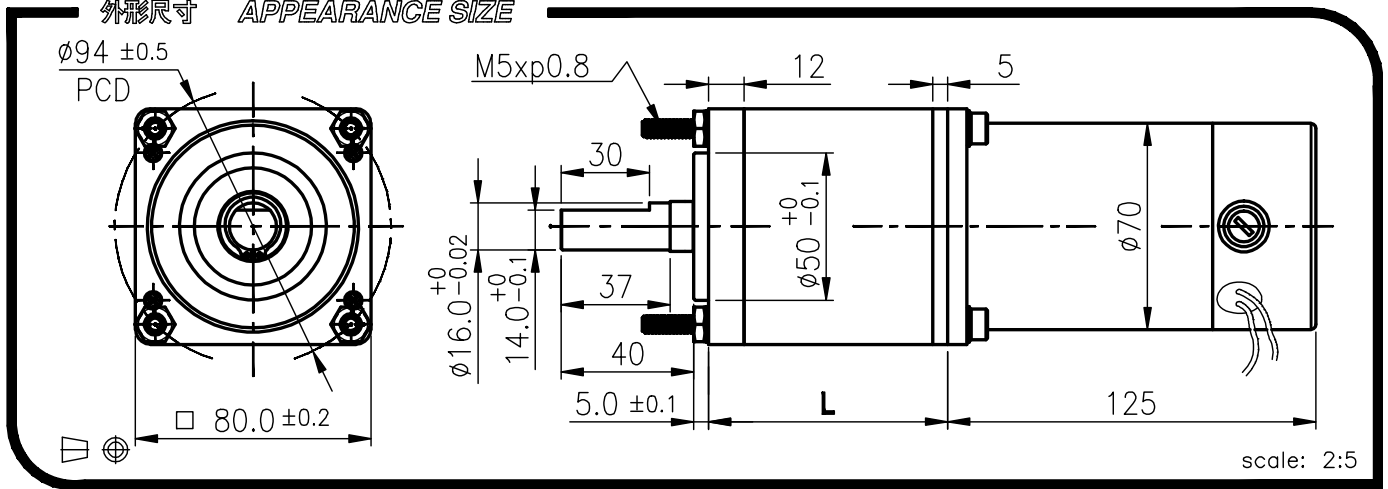
IG-80WGM

01&02 TYPE



REDUCTION RATIO	L	REDUCTION RATIO	L
1/4	49.3	1/186~1/647	98.8
1/13~1/31	65.8		
1/49~1/117	82.3		

外形尺寸 APPEARANCE SIZE



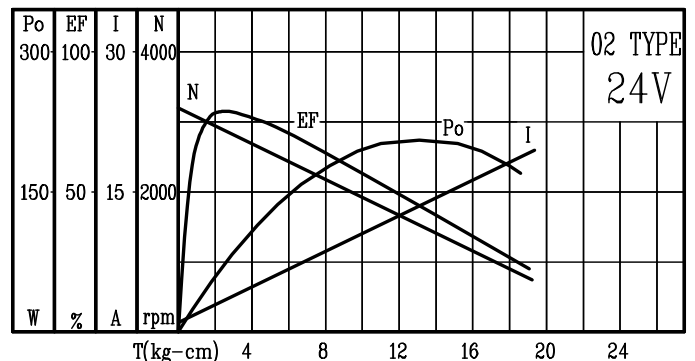
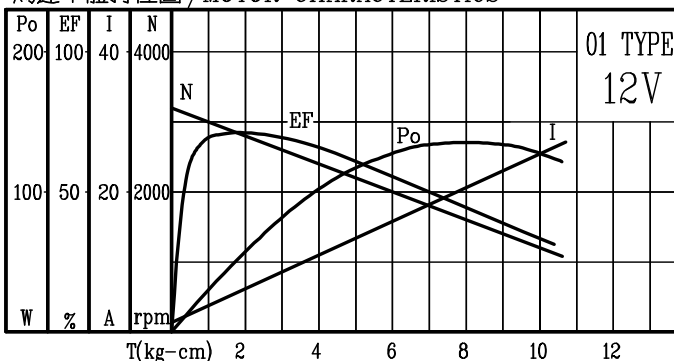
GEARED MOTOR TORQUE/SPEED

	減速比 Reduction ratio	1/4	1/13	1/15	1/19	1/21	1/49	1/55	1/71	1/80	1/103	1/117	1/186	1/210	1/306	1/393	1/445	1/571	1/647
		12V	6.0	18	20	26	29	58	66	85	96	123	125	125	125	125	125	125	125
	定額扭力(Kg-cm) Rated torque	6.0	18	20	26	29	58	66	85	96	123	125	125	125	125	125	125	125	125
	定額回轉數(rpm) Rated speed	720	210	185	145	130	56	49	38	34	26.5	23.5	15	13.4	9.3	7.3	6.5	5.1	4.5
24V	定額扭力(Kg-cm) Rated torque	8.8	26	29	37	42	84	95	123	125	125	125	125	125	125	125	125	125	125
	定額回轉數(rpm) Rated speed	730	215	190	149	133	57	50	39	35	27.5	24	15.4	13.7	9.6	7.5	6.7	5.2	4.6

馬達單體型式 / MOTOR DATA

定額電壓 Rated volt (V)	定額扭力 Rated torque (g-cm)	定額回轉數 Rated speed (rpm)	定額電流 Rated current (mA)	無負荷回轉數 No load speed (rpm)	無負荷電流 No load current (mA)	定額出力 Rated output (W)	重量 Weight (g)
12	2000	2750	≤ 6300	3200	≤ 1400	56.5	1650
24	2900	2800	≤ 4400	3200	≤ 850	83.4	1650

馬達單體特性圖 / MOTOR CHARACTERISTICS

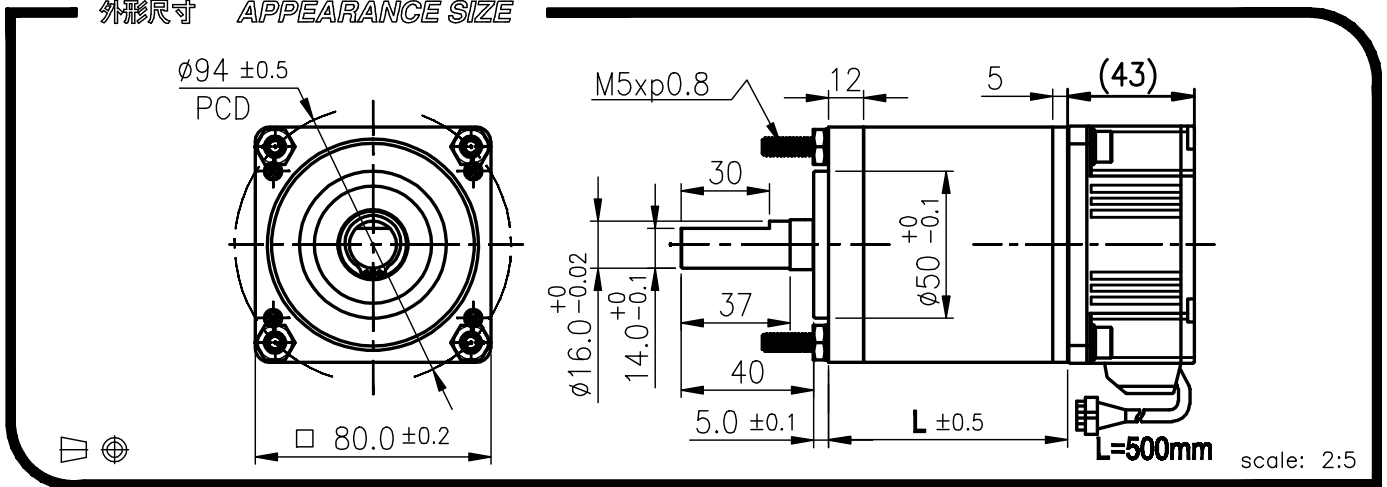


IG-80WGM 41 TYPE



REDUCTION RATIO	L	REDUCTION RATIO	L
1/4	49.3	1/186~1/647	98.8
1/13~1/31	65.8		
1/49~1/117	82.3		

外形尺寸 APPEARANCE SIZE



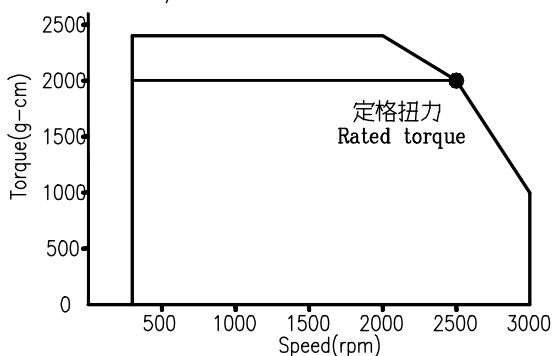
GEARED MOTOR TORQUE/SPEED

	減速比 Reduction ratio	1/4	1/13	1/15	1/19	1/21	1/49	1/55	1/71	1/80	1/103	1/117	1/186	1/210	1/306	1/393	1/445	1/571	1/647			
24V	定格扭力(Kg-cm) Rated torque	6	17.9	20	26	29	58	66	85	96	123	125	150	150	150	150	150	150	150	150		
	定格回轉數(rpm) Rated speed	657	195	172	134	119	51	45	35	31.2	24.2	21.3	13.4	11.9	8.1	6.3	5.6	4.3	3.8			

馬達單體型式 / MOTOR DATA

定格電壓 Rated volt (V)	定格扭力 Rated torque (g-cm)	定格回轉數 Rated speed (rpm)	定格電流 Rated current (mA)	無負荷回轉數 No load speed (rpm)	無負荷電流 No load current (mA)	定格出力 Rated output (W)	重量 Weight (g)
24	2000	2500	≤ 3200	3000	≤ 450	51.35	800
啓動扭力 Start torque (g-cm)	絕緣耐壓 Insulation voltage	絕緣阻抗 Insulation resistance	絕緣等級 Insulation class	使用相對濕度 Operating relative humidity	使用溫度範圍 Operating temperature range		
2400	60HZ AC500V	100MΩ DC500V	A class(105°C)	20%~85%RH	0~+50°C		

馬達單體特性圖 / MOTOR CHARACTERISTICS



搭配之驅動器型式 / CONNECTED WITH MOTOR DRIVER

型號 Type	KBM8050KA
輸入電壓 Input voltage	DC 24V±10%
速度控制範圍 Speed control range	300~3000 rpm
速度設定方式 Speed control way	1. 內部速度設定 Internal control 2. 外部速度設定 External speed control 3. 外部直流電壓控制 (DC 0~5V) External voltage control (DC 0~5V)