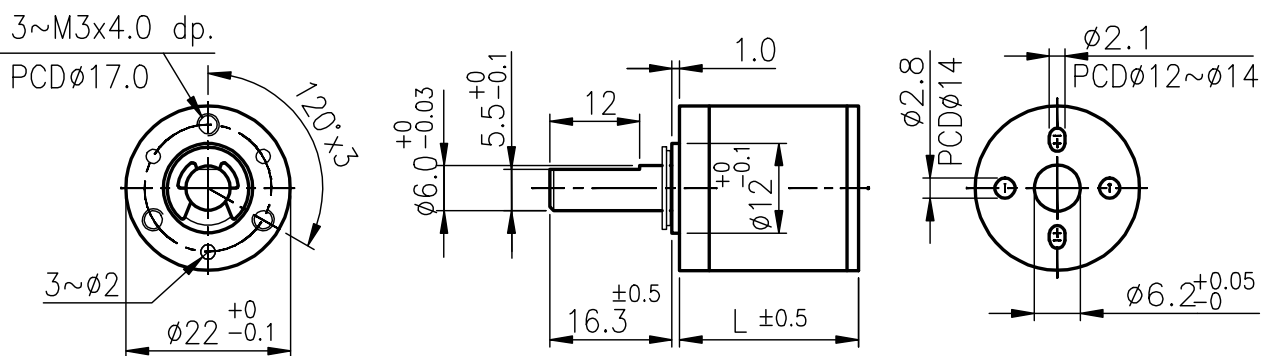


IG-22C



外殼材質 Housing material	金屬 metal	背隙 (無負荷時) Backlash, at no-load	≤ 2.5°
輸出軸承型式 Bearing at output		含油軸承 Sleeve bearings	滾珠軸承 Ball bearings
徑向負荷 Radial load (10mm from flange)		≤ 1 kgf	≤ 1.2 kgf
軸向負荷 Shaft axial load		≤ 0.7 kgf	≤ 0.7 kgf
主軸最大承受壓入力 Shaft press fit force, max.		≤ 6 kgf	≤ 6 kgf
徑向間隙 Radial play of shaft		≤ 0.08 mm	≤ 0.05 mm
軸向間隙 Thrust play of shaft		≤ 0.3 mm	≤ 0.3 mm

外形尺寸 APPEARANCE SIZE

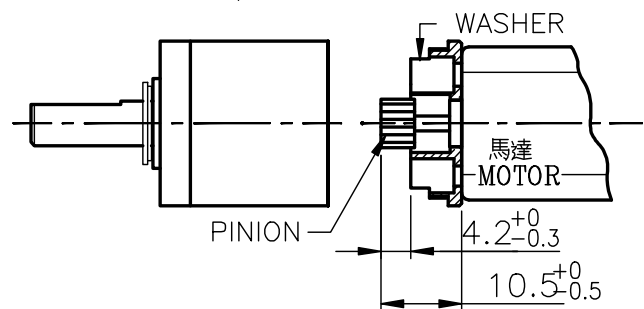


scale: 1:1

馬達齒輪型式 / PINION SPECIFICATIONS

模數 Module	0.4			
齒數 No. of teeth	10	13	16	12
壓力角 Pressure angle	20°			
孔徑 Hole diameter	ø1.98 , ø2.28			
減速比 Reduction ratio	1/25, 1/110 1/136, 1/484 1/597, 1/735 1/2124, 1/3968	1/20, 1/77 1/90, 1/336 1/393, 1/1079 1/1475	1/18 1/66 1/246	1/5

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(含油軸承) Weight (g) Sleeve bearings	重量(滾珠軸承) Weight (g) Ball bearings
1/5	4 2/3	1.0 kgf-cm Max.	3.0 kgf-cm	80%	23.3	46	46
1/18, 1/20, 1/25	17 1/2, 20 8/13, 25 1/5	3.0 kgf-cm Max.	9.0 kgf-cm	70%	29.5	51	51
1/66, 1/77, 1/90	65 5/8, 76 19/26, 89 121/169	4.0 kgf-cm Max.	12.0 kgf-cm	60%	35.7	58	58
1/110, 1/136	110 32/85, 136 2/25	4.0 kgf-cm Max.	12.0 kgf-cm	60%	35.7	58	58
1/246, 1/336	246 3/32, 336 147/338	5.0 kgf-cm Max.	15.0 kgf-cm	50%	41.9	65	65
1/393, 1/484	393 813/2197, 484 394/645	5.0 kgf-cm Max.	15.0 kgf-cm	50%	41.9	65	65
1/597, 1/735	596 214/325, 734 104/125	5.0 kgf-cm Max.	15.0 kgf-cm	50%	41.9	65	65
1/1079	1079 11/416	6.0 kgf-cm Max.	18.0 kgf-cm	40%	48.1	72	72
1/1475	1475 605/4394	6.0 kgf-cm Max.	18.0 kgf-cm	40%	48.1	72	72
1/2124	2124 2178/10985	6.0 kgf-cm Max.	18.0 kgf-cm	40%	48.1	72	72
1/3968	3968 58/625	6.0 kgf-cm Max.	18.0 kgf-cm	40%	48.1	72	72

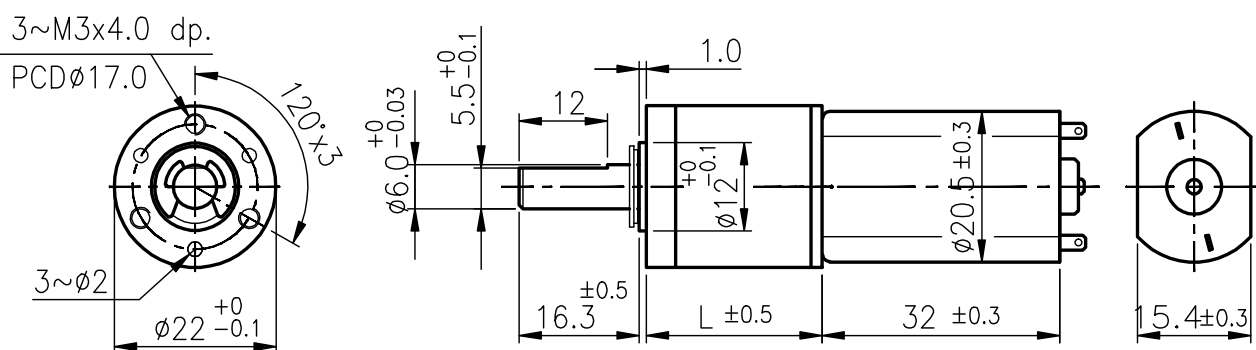
IG-22CGM

01&02 TYPE

REDUCTION RATIO	L	REDUCTION RATIO	L
1/5	23.3	1/246~1/735	41.9
1/18~1/25	29.5	1/1079~1/3968	48.1
1/66~1/136	35.7		



外形尺寸 APPEARANCE SIZE



scale: 1:1

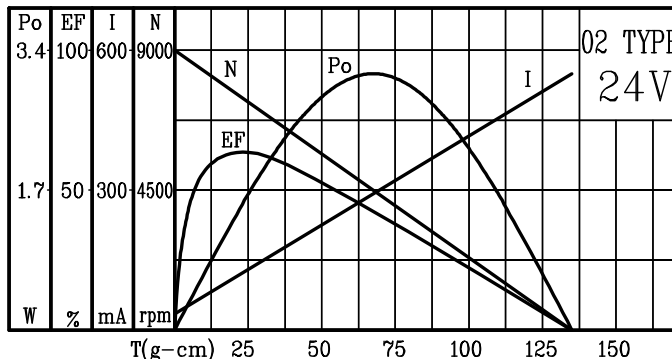
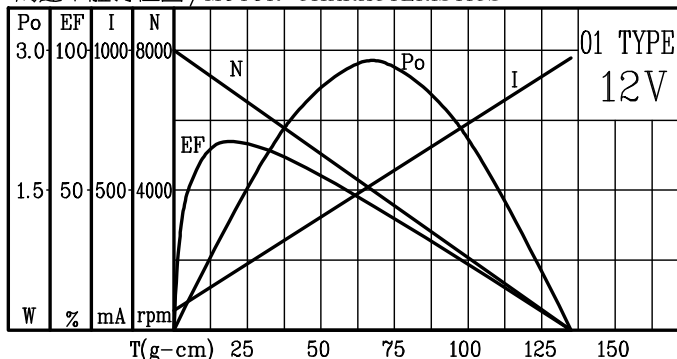
GEARED MOTOR TORQUE/SPEED

	減速比 Reduction ratio	1/5	1/18	1/20	1/25	1/66	1/77	1/90	1/110	1/136	1/246	1/336	1/393	1/484	1/597	1/735	1/1079	1/1475	1/2124	1/3968	
12V	定格扭力(g-cm) Rated torque	80	270	310	380	850	1000	1150	1400	1700	2600	3700	4200	5000	5000	5000	6000	6000	6000	6000	
	定格回轉數(rpm) Rated speed	1400	375	325	260	101	86	74	60	48	26	19	16	13.8	11.5	9.5	6.7	5.0	3.4	1.8	
24V	定格扭力(g-cm) Rated torque	80	270	310	380	850	1000	1150	1400	1700	2600	3700	4200	5000	5000	5000	6000	6000	6000	6000	
	定格回轉數(rpm) Rated speed	1550	414	355	290	110	95	82	66	53	29	21	18	15.3	12.7	10.5	7.4	5.5	3.9	1.95	

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)
12	22	6700	≤ 200	8000	≤ 70	1.5	32.0
24	22	7400	≤ 110	9000	≤ 40	1.7	32.0

馬達單體特性圖 / MOTOR CHARACTERISTICS



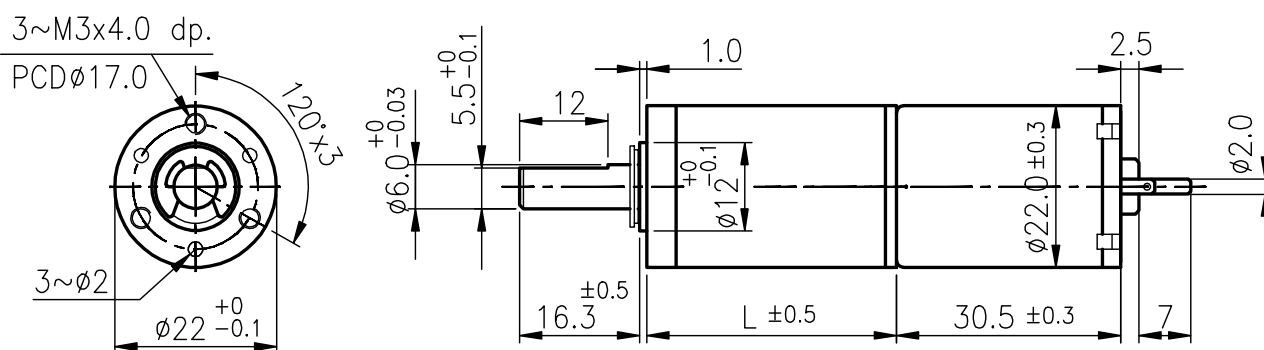
IG-22CGM

03&04 TYPE

REDUCTION RATIO	L	REDUCTION RATIO	L
1/5	23.3	1/246~1/735	41.9
1/18~1/25	29.5	1/1079~1/3968	48.1
1/66~1/136	35.7		



外形尺寸 APPEARANCE SIZE



scale: 1:1

GEARED MOTOR TORQUE/SPEED

	減速比 Reduction ratio	1/5	1/18	1/20	1/25	1/66	1/77	1/90	1/110	1/136	1/246	1/336	1/393	1/484	1/597	1/735	1/1079	1/1475	1/2124	1/3968	
12V	定格扭力(g-cm) Rated torque	170	560	650	820	1800	2100	2450	3000	3700	5000	5000	5000	5000	5000	5000	6000	6000	6000	6000	
	定格回轉數(rpm) Rated speed	1500	400	340	280	105	94	80	65	53	29	22	19	15.5	12.5	10	7.1	5.3	3.8	2.0	
24V	定格扭力(g-cm) Rated torque	190	640	750	930	2000	2400	2800	3500	4000	5000	5000	5000	5000	5000	5000	6000	6000	6000	6000	
	定格回轉數(rpm) Rated speed	1600	420	350	290	110	98	84	68	55	31	23	20	16	13	10.5	7.4	5.5	3.9	2.0	

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)
12	46	7230	≤ 500	9000	≤ 120	3.41	43
24	53	7550	≤ 300	9000	≤ 80	4.11	43

馬達單體特性圖 /MOTOR CHARACTERISTICS

