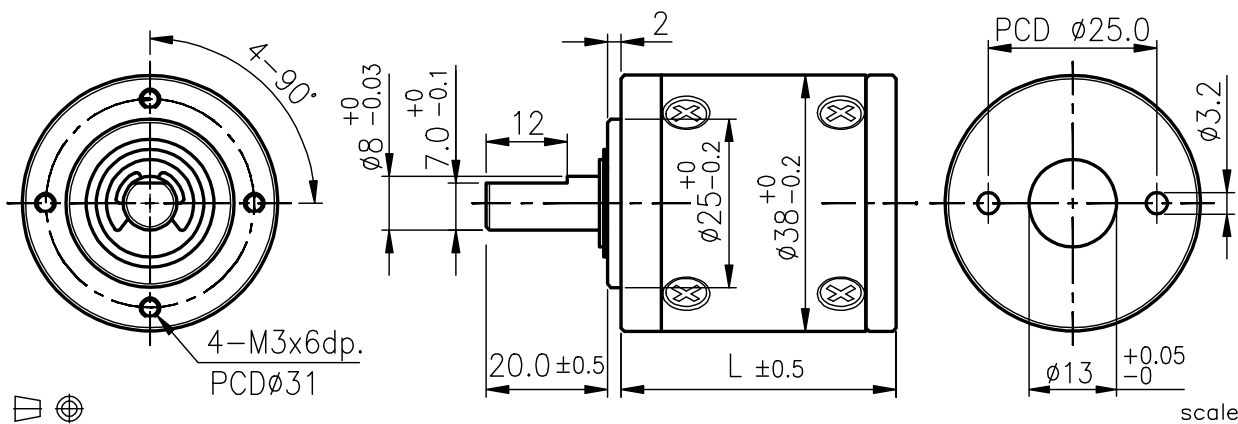


IG-38P



外殼材質 Housing material	粉末金屬 Powder metal	背隙 (無負荷時) Backlash, at no-load	$\leq 3^\circ$
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)	$\leq 5 \text{ kgf}$	$\leq 8 \text{ kgf}$	
軸向負荷 Shaft axial load	$\leq 3 \text{ kgf}$	$\leq 3 \text{ kgf}$	
主軸最大承受壓入力 Shaft press fit force, max.	$\leq 15 \text{ kgf}$	$\leq 15 \text{ kgf}$	
徑向間隙 Radial play of shaft	$\leq 0.08 \text{ mm}$	$\leq 0.05 \text{ mm}$	
軸向間隙 Thrust play of shaft	$\leq 0.3 \text{ mm}$	$\leq 0.3 \text{ mm}$	

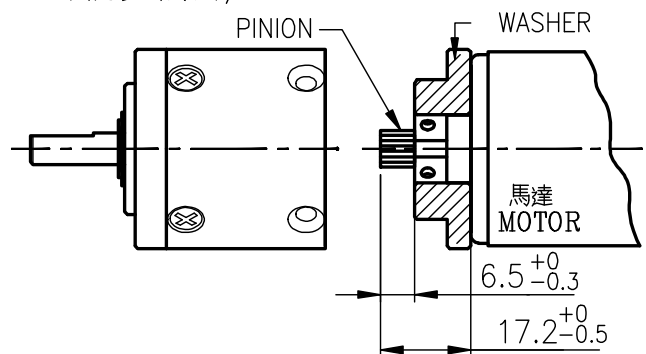
外形尺寸 APPEARANCE SIZE



馬達齒輪型式 / PINION SPECIFICATIONS

模 數 Module	0.6			
齒 數 No. of teeth	11			17
壓 力 角 Pressure angle	20°			
孔 徑 Hole diameter	ø3.16			
減 速 比 Reduction ratio	1/5, 1/71, 1/264,	1/19, 1/100, 1/516,	1/27 1/139 1/721	1/4, 1/14 1/51, 1/189

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
1/4, 1/5	3 12/17, 5 2/11	3.0 kgf-cm Max.	9.0 kgf-cm	80%	33.1	147	149
1/14, 1/19	13 212/289, 19 38/187	8.0 kgf-cm Max.	24.0 kgf-cm	70%	41.8	195	197
1/27	26 103/121	10.0 kgf-cm Max.	30.0 kgf-cm	70%	41.8	195	197
1/51, 1/71	50 4397/4913, 71 524/3179	18.0 kgf-cm Max.	54.0 kgf-cm	60%	50.5	243	245
1/100	99 1044/2057	20.0 kgf-cm Max.	60.0 kgf-cm	60%	50.5	243	245
1/139	139 184/1331	20.0 kgf-cm Max.	60.0 kgf-cm	60%	50.5	243	245
1/189	188 51013/83521	25.0 kgf-cm Max.	75.0 kgf-cm	50%	59.2	291	293
1/264	263 39370/54043	25.0 kgf-cm Max.	75.0 kgf-cm	50%	59.2	291	293
1/516	515 14254/22627	30.0 kgf-cm Max.	90.0 kgf-cm	50%	59.2	291	293
1/721	720 14481/14641	30.0 kgf-cm Max.	90.0 kgf-cm	50%	59.2	291	293

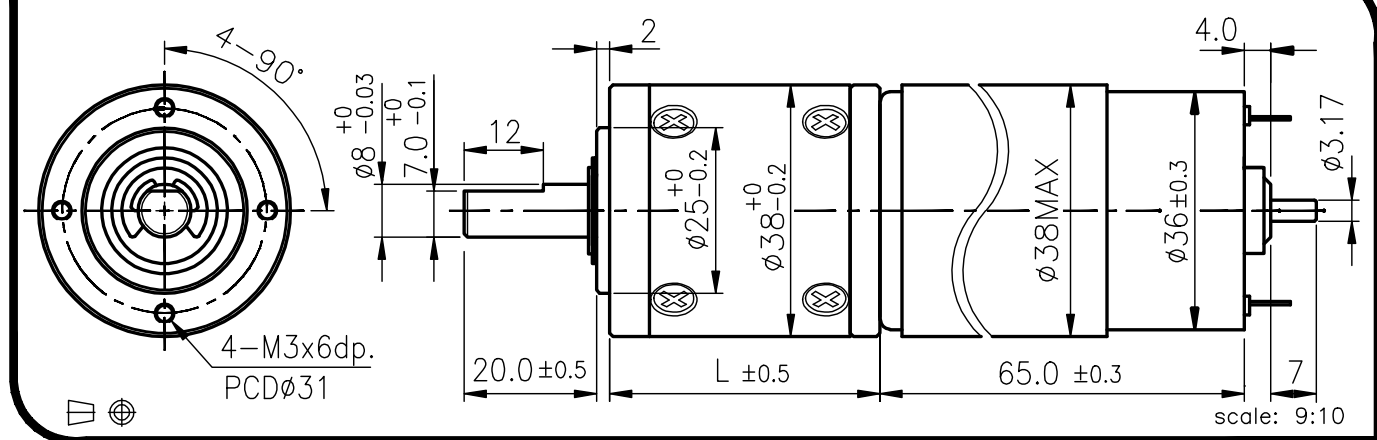
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01&02 TYPE

REDUCTION RATIO	L	REDUCTION RATIO	L
1/4~1/5	33.1	1/51~1/139	50.5
1/14~1/27	41.8	1/189~1/721	59.2



外形尺寸 APPEARANCE SIZE



GEARED MOTOR TORQUE/SPEED

	減速比 Reduction ratio	1/5	1/14	1/19	1/27	1/51	1/71	1/100	1/139	1/189	1/264	1/516	1/721						
12V	定格扭力(Kg-cm) Rated torque	1.0	2.4	3.3	4.7	7.6	10	15	20	23	25	30	30						
	定格回轉數(rpm) Rated speed	1100	420	300	210	110	81	58	41	30	22.5	11.6	8.4						
24V	定格扭力(Kg-cm) Rated torque	1.1	2.7	3.7	5.2	8.5	12	16	20	25	25	30	30						
	定格回轉數(rpm) Rated speed	1050	390	280	200	105	76	55	41	29	22.5	11.6	8.4						

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	250	5800	≤ 1600	6400	≤ 300	14.89	264
24	280	5500	≤ 900	6400	≤ 160	15.81	266

馬達單體特性圖 / MOTOR CHARACTERISTICS

