

型號說明 / MODEL

GPE	090	-	10K	-	(- - -)	-	
系列代碼 Series	規格 Size		減速比 Ratio		輸入端安裝尺寸 Input mounting size		非標定製 Customization
070	090		單級 Single (L1)	雙級 Double (L2)	依據馬達連接尺寸確認 According to the motor connection size		依據尺寸圖確認 According to the drawing 空白：標準品 Blank：Standard
120	155		3K	12K	a 馬達輸出軸直徑 Motor Shaft diameter		
205			4K	15K	b 馬達止口直徑 Motor Spigot diameter		
			5K	16K	c 馬達安裝孔 PCD Motor Mounting Hole PCD		
			7K	20K	d 馬達安裝螺紋孔 Motor mounting threaded hole		
			10K	25K	例 Example：(19-70-90-M5)		
				28K			
				30K			
				35K			
				40K			
				50K			
				70K			
				100K			

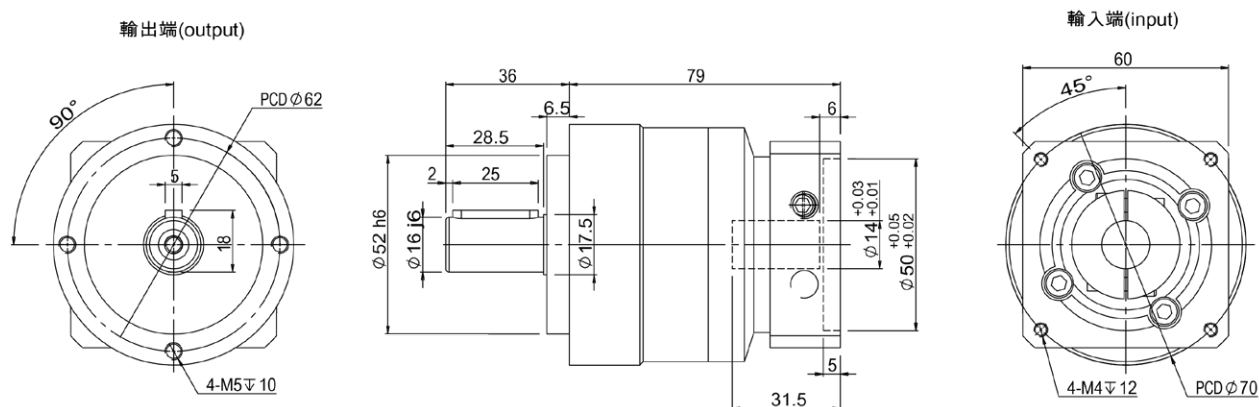
轉動慣量總表 / MOMENT OF INERTIA

規格 specification	級數 stage	減速比 Ratio	GPE070	GPE090	GPE120	GPE155	GPE205
轉動慣量 J1 Moment of inertia J1	1	3K	0.16	0.61	3.25	9.21	28.98
		4K	0.14	0.48	2.74	7.54	23.67
		5K	0.13	0.47	2.71	7.42	23.29
		7K	0.13	0.45	2.62	7.14	22.48
		10K	0.13	0.44	2.57	7.03	22.51
	2	12K	0.03	0.13	0.47	2.71	7.42
		15K	0.03	0.13	0.47	2.71	7.42
		16K	0.03	0.13	0.47	2.71	7.42
		20K	0.03	0.13	0.47	2.71	7.42
		25K	0.03	0.13	0.47	2.71	7.42
		28K	0.03	0.13	0.47	2.71	7.42
		30K	0.03	0.13	0.47	2.71	7.42
		35K	0.03	0.13	0.47	2.71	7.42
		40K	0.03	0.13	0.47	2.71	7.42
		50K	0.13	0.13	0.44	2.57	7.03
		70K	0.13	0.13	0.44	2.57	7.03
		100K	0.13	0.13	0.44	2.57	7.03

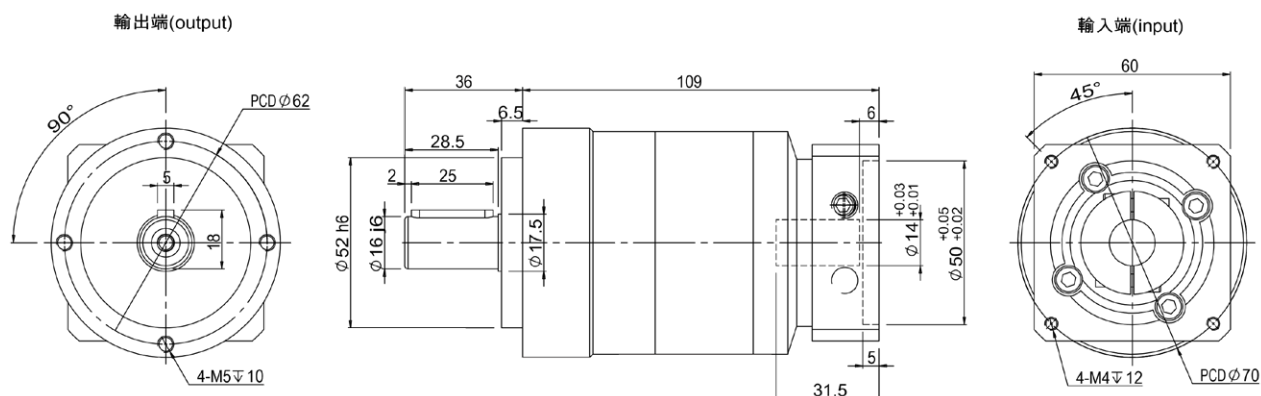
減速機性能資料 / PERFORMANCE

規格 specification		節數 stage	減速比 ratio	GPE070	GPE090	GPE120	GPE155	GPE205
額定輸出力矩 T_{2N} Rated output torque T_{2N}	Nm	1	3K	55	130	208	342	588
			4K	50	140	290	543	1050
			5K	60	160	330	650	1200
			7K	50	140	300	550	1100
			10K	40	100	230	450	900
		2	12K	55	130	208	342	588
			15K	55	130	208	342	588
			16K	50	140	290	543	1050
			20K	50	140	290	542	1050
			25K	60	160	330	650	1200
			28K	50	140	290	543	1050
			30K	55	150	310	600	1100
			35K	50	140	300	550	1100
			40K	45	120	260	500	1000
			50K	60	160	330	650	1200
			70K	50	140	300	550	1100
			100K	40	100	230	450	900
急停扭矩 T_{2NOT} Emergency stop torque T_{2NOT}	Nm	1 & 2	3 ~ 100K	3 倍額定輸出力矩 / Triple rated output torque				
額定輸入轉速 n_{1N} Rated input speed n_{1N}	rpm	1 & 2	3 ~ 100K	5000	4000	4000	3000	3000
最大輸入轉速 n_{1B} Max input speed n_{1B}		1 & 2	3 ~ 100K	10000	8000	8000	6000	6000
精密背隙 P1 Precision backlash P1	arcmin	1	3 ~ 10K	≤ 3	≤ 3	≤ 3	≤ 3	≤ 3
		2	12 ~ 100K	≤ 5	≤ 5	≤ 5	≤ 5	≤ 5
標準背隙 P2 Standard backlash P2	arcmin	1	3 ~ 10K	≤ 5	≤ 5	≤ 5	≤ 5	≤ 5
		2	12 ~ 100K	≤ 8	≤ 8	≤ 8	≤ 8	≤ 8
扭轉剛性 Torsional rigidity	Nm/arcmin	1 & 2	3 ~ 100K	7	14	25	50	145
容許徑向力 F_{2rB} Allowable radial force F_{2rB}	N	1 & 2	3 ~ 100K	1530	3250	6700	9400	14500
容許軸向力 F_{2aB} Allowable axial force F_{2aB}	N	1 & 2	3 ~ 100K	765	1625	3350	4700	7250
使用壽命 Lifespan	Hr	1 & 2	3 ~ 100K	20000				
效率 Efficiency	%	1	3 ~ 10K	≥ 97%				
		2	12 ~ 100K	≥ 94%				
重量 Weight	kg	1	3 ~ 10K	1.4	3.7	8	16	36
		2	12 ~ 100K	1.6	4.2	8.9	17	37
使用溫度 Working temperature	°C	1 & 2	3 ~ 100K	-10°C ~ 90°C				
潤滑 Grease		1 & 2	3 ~ 100K	合成潤滑油脂 / Synthetic lubricating grease				
防護等級 IP Grade		1 & 2	3 ~ 100K	IP65				
安裝方向 Installation direction		1 & 2	3 ~ 100K	任意方向 / Any direction				
噪音值 ($n_1=3000\text{rpm}$, 無負載) Noise Value ($n_1=3000\text{rpm}$, off load)	Db	1 & 2	3 ~ 100K	≤ 58	≤ 60	≤ 63	≤ 65	≤ 67

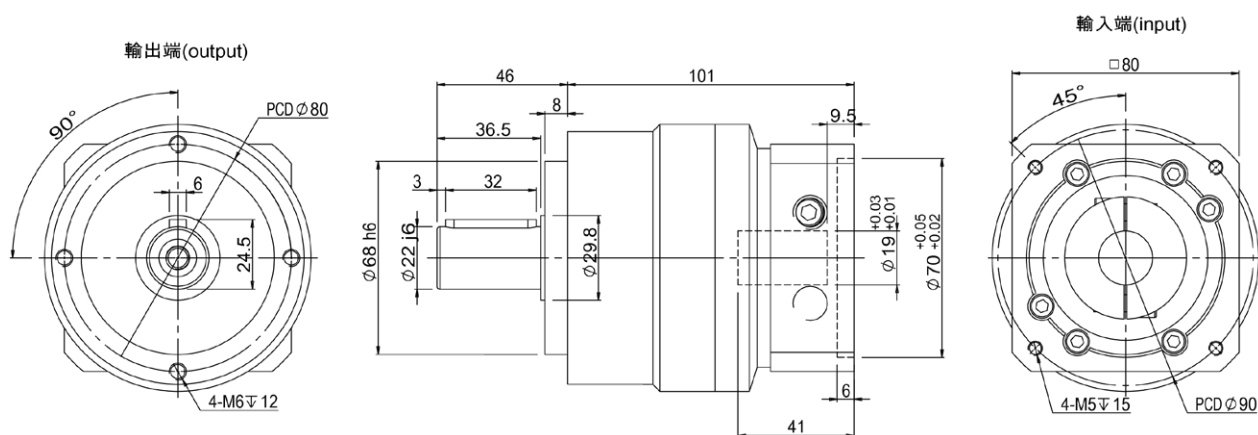
■ GPE070-L1



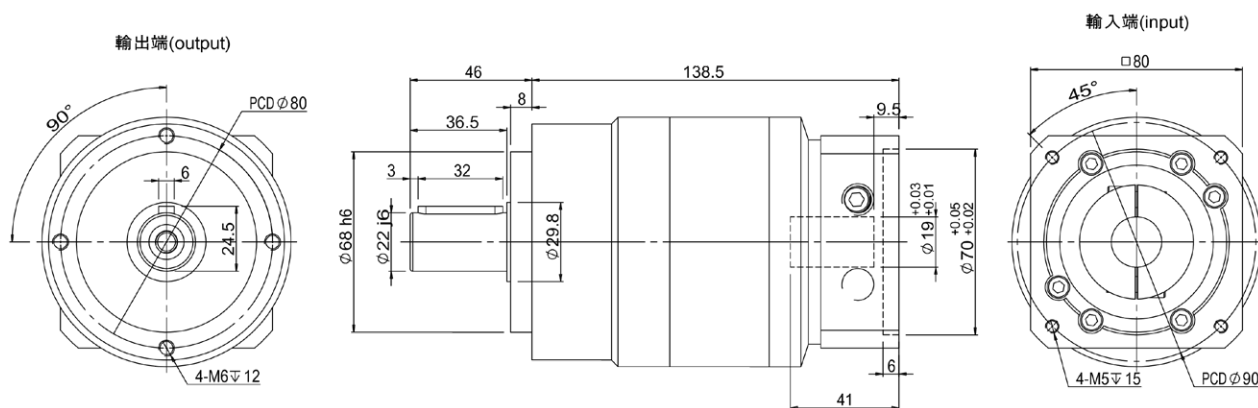
■ GPE070-L2



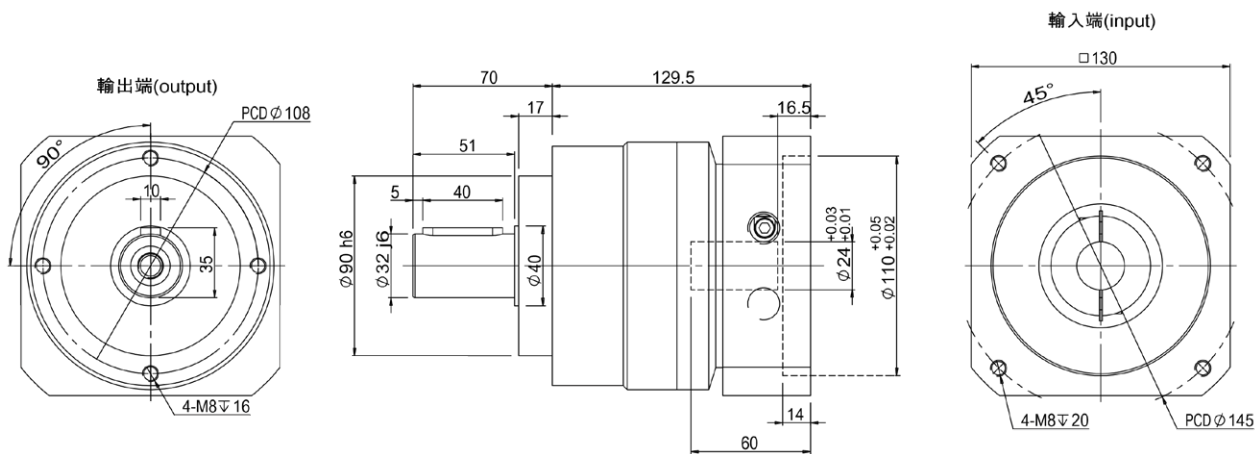
■ GPE090-L1



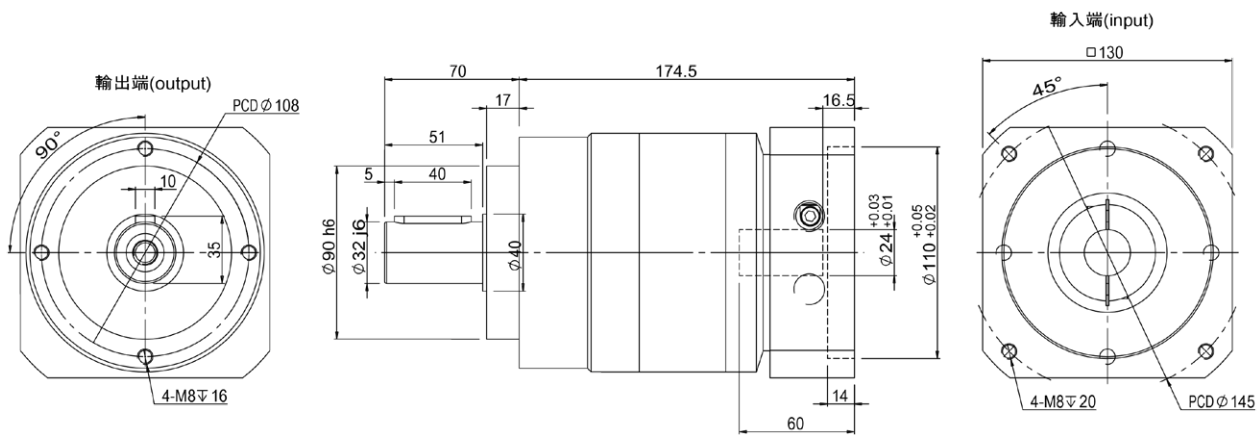
■ GPE090-L2



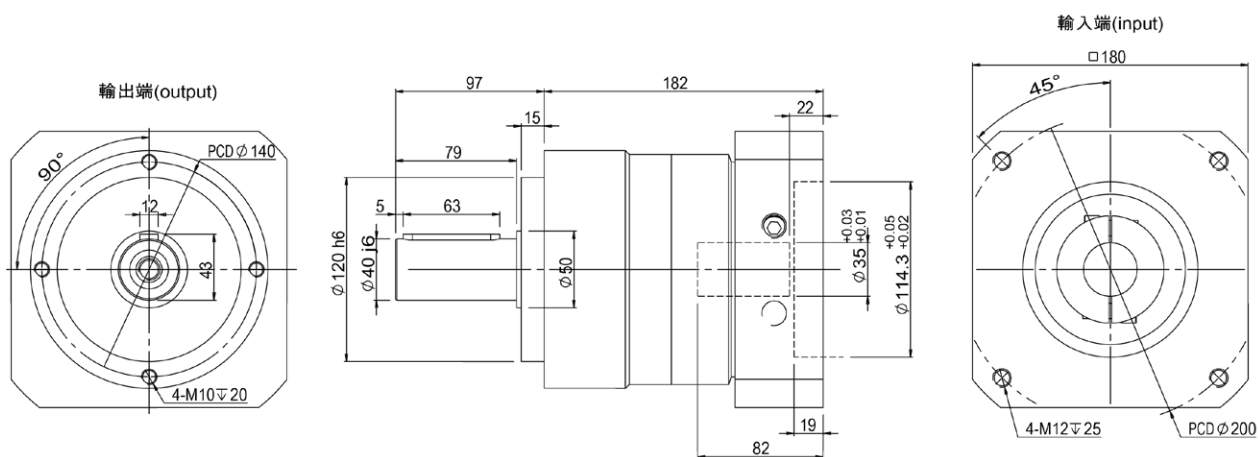
■ GPE120-L1



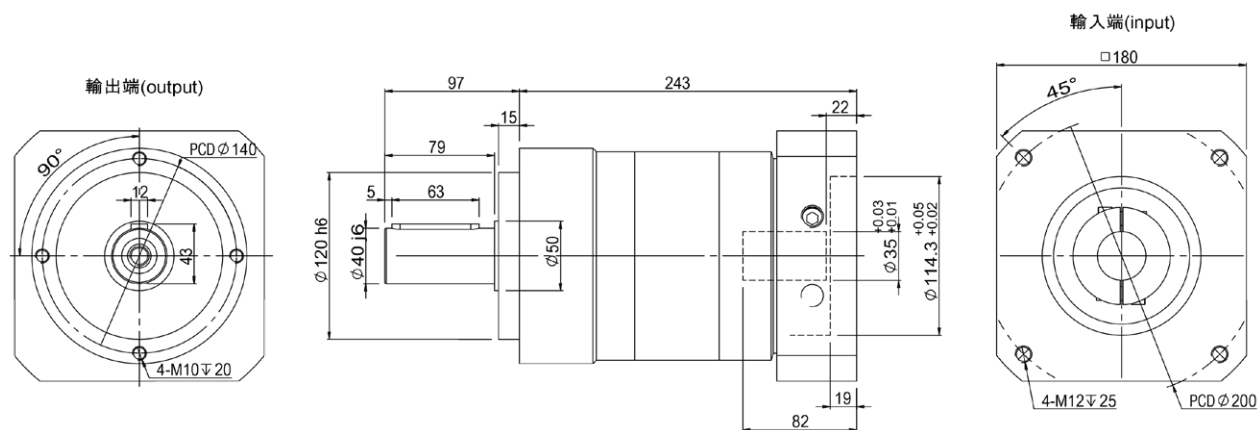
■ GPE120-L2



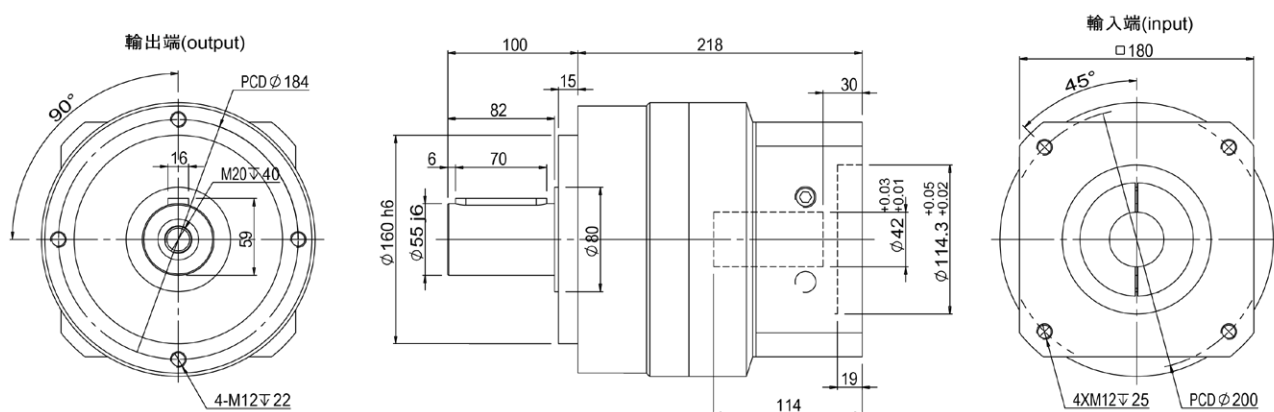
■ GPE155-L1



■ GPE155-L2



■ GPE205-L1



■ GPE205-L2

