

型號說明 / MODEL

GPVR	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
			雙級 Double (L2)				
			單級 Single (L1)				
			3K	15K			
			4K	25K			
			5K	30K			
			7K	35K			
			10K	40K			
			14K	50K			
			20K	70K			
				80K			
				100K			
				140K			
				200K			
060							
090							
115							
142							

依據馬達連接尺寸確認
According to the motor connection size

a	馬達輸出軸直徑 Motor Shaft diameter
b	馬達止口直徑 Motor Spigot diameter
c	馬達安裝孔 PCD Motor Mounting Hole PCD
d	馬達安裝螺紋孔 Motor mounting threaded hole

例 Example : (19-70-90-M5)

依據尺寸圖確認
According to the drawing
空白 : 標準品
Blank : Standard

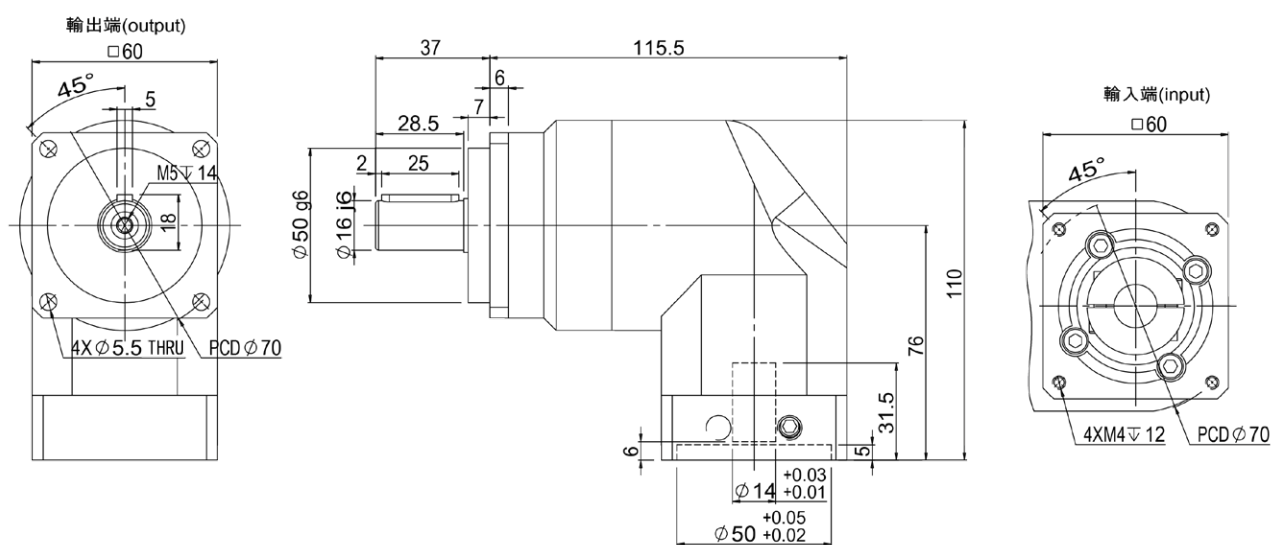
轉動慣量總表 / MOMENT OF INERTIA

規格 specification	級數 stage	減速比 Ratio	GPVR060	GPVR090	GPVR115	GPVR142
轉動慣量 J1 Moment of inertia J1	1	3K	0.35	2.25	6.84	23.4
		4K	0.35	2.25	6.84	23.4
		5K	0.35	2.25	6.84	23.4
		7K	0.35	2.25	6.84	23.4
		10K	0.35	2.25	6.84	23.4
		14K	0.07	1.87	6.25	21.8
		20K	0.07	1.87	6.25	21.8
	2	15K	0.35	2.25	6.84	23.4
		25K	0.09	0.35	2.25	6.84
		30K	0.09	0.35	2.25	6.84
		35K	0.09	0.35	2.25	6.84
		40K	0.09	0.35	2.25	6.84
		50K	0.09	0.35	2.25	6.84
		70K	0.09	0.35	2.25	6.84
		80K	0.09	0.35	2.25	6.84
		100K	0.09	0.35	2.25	6.84
		140K	0.01	0.31	1.87	6.25
		200K	0.01	0.31	1.87	6.25

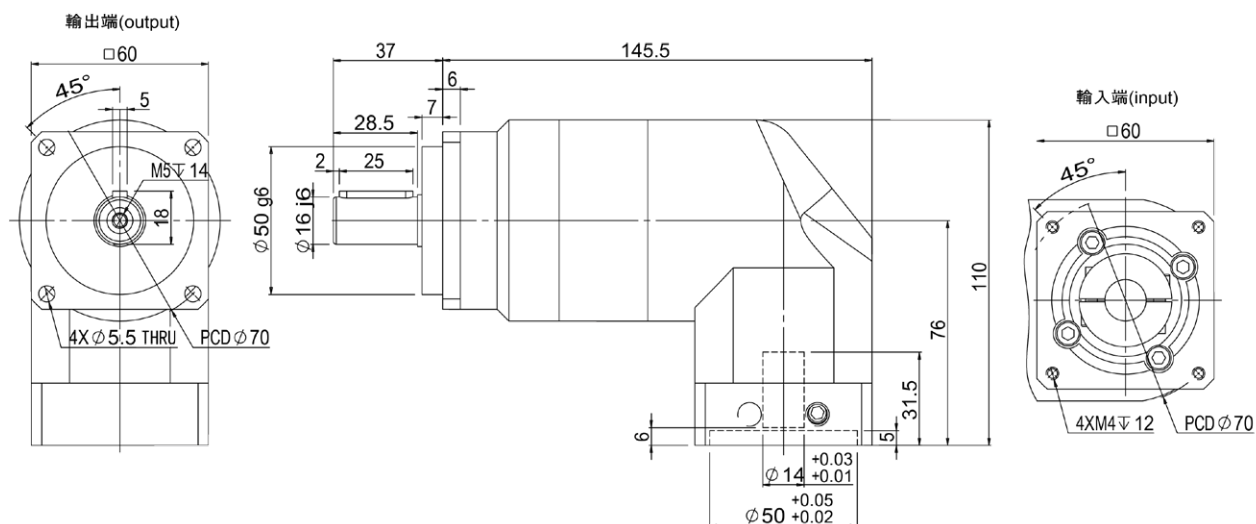
減速機性能資料 / PERFORMANCE

規格 specification		節數 stage	減速比 ratio	GPVR060	GPVR090	GPVR115	GPVR142
額定輸出力矩 T_{2N} Rated output torque T_{2N}	Nm	1	3K	36	90	195	342
			4K	48	120	260	520
			5K	60	150	325	650
			7K	50	140	300	550
			10K	40	100	230	450
			14K	50	140	300	550
			20K	40	100	230	450
		2	15K	60	150	325	650
			25K	60	150	325	650
			30K	55	150	310	600
			35K	50	140	300	550
			40K	45	120	260	500
			50K	60	100	230	650
			70K	50	140	300	550
			80K	45	120	260	500
			100K	40	100	230	450
			140K	50	140	300	550
			200K	40	100	230	450
急停扭矩 T_{2NOT} Emergency stop torque T_{2NOT}	Nm	1 & 2	3 ~ 200K	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 ~ 200K	5000	4000	4000	3000
最大輸入轉速 n_{1B} Max input speed n_{1B}		1 & 2	3 ~ 200K	10000	8000	8000	6000
精密背隙 P1 Precision backlash P1	arcmin	1	3 ~ 20K	≤ 4	≤ 4	≤ 4	≤ 4
		2	15 ~ 200K	≤ 7	≤ 7	≤ 7	≤ 7
標準背隙 P2 Standard backlash P2	arcmin	1	3 ~ 20K	≤ 6	≤ 6	≤ 6	≤ 6
		2	15 ~ 200K	≤ 9	≤ 9	≤ 9	≤ 9
扭轉剛性 Torsional rigidity	Nm/arcmin	1 & 2	3 ~ 200K	7	14	25	50
容許徑向力 F_{2rB} Allowable radial force F_{2rB}	N	1 & 2	3 ~ 200K	1530	3250	6700	9400
容許軸向力 F_{2aB} Allowable axial force F_{2aB}	N	1 & 2	3 ~ 200K	765	1625	3350	4700
使用壽命 Lifespan	Hr	1 & 2	3 ~ 200K	20000			
效率 Efficiency	%	1	3 ~ 20K	≥ 95%			
		2	15 ~ 200K	≥ 92%			
重量 Weight	kg	1	3 ~ 20K	2.1	6.4	13	24.5
		2	15 ~ 200K	1.5	7.8	14.2	27.5
使用溫度 Working temperature	°C	1 & 2	3 ~ 200K	-10°C ~ 90°C			
潤滑 Grease		1 & 2	3 ~ 200K	合成潤滑油脂 / Synthetic lubricating grease			
防護等級 IP Grade		1 & 2	3 ~ 200K	IP65			
安裝方向 Installation direction		1 & 2	3 ~ 200K	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 ~ 200K	≤ 63	≤ 65	≤ 68	≤ 70

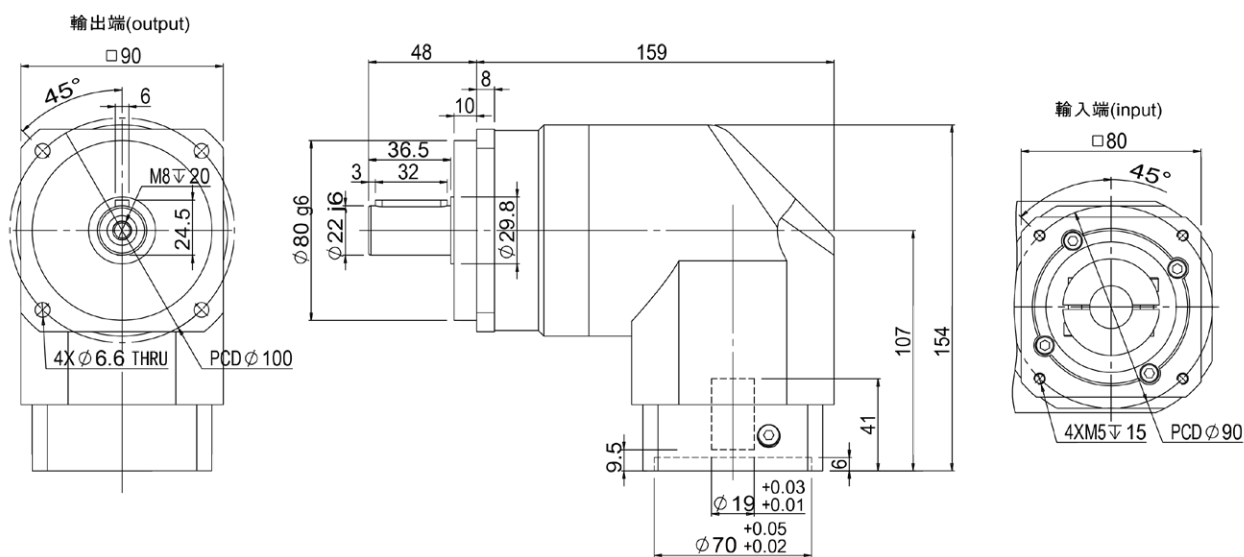
■ GPVR060-L1



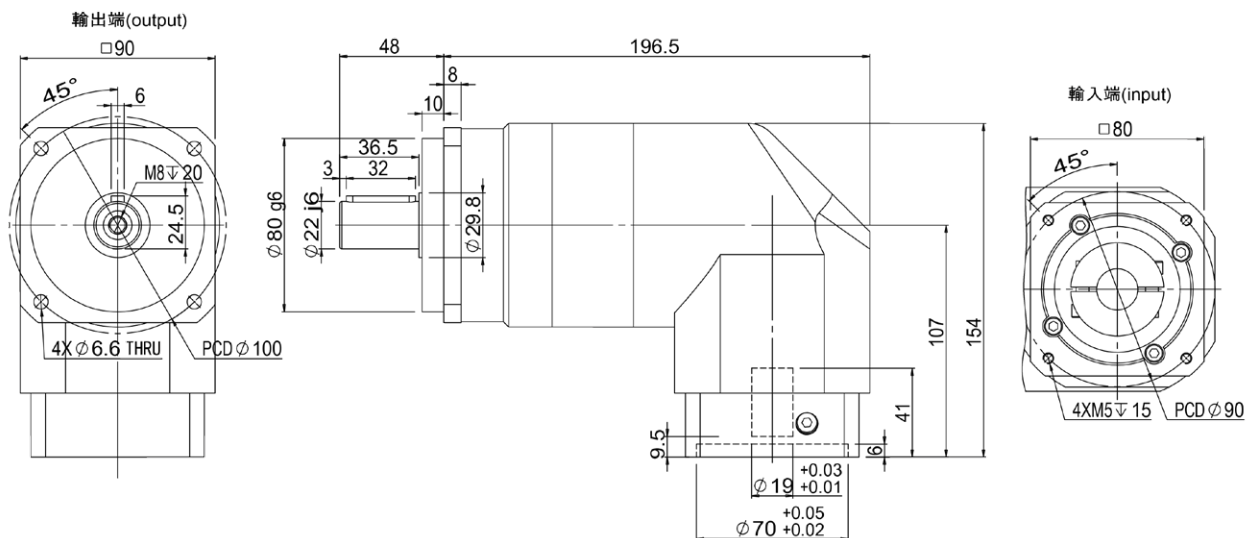
■ GPVR060-L2



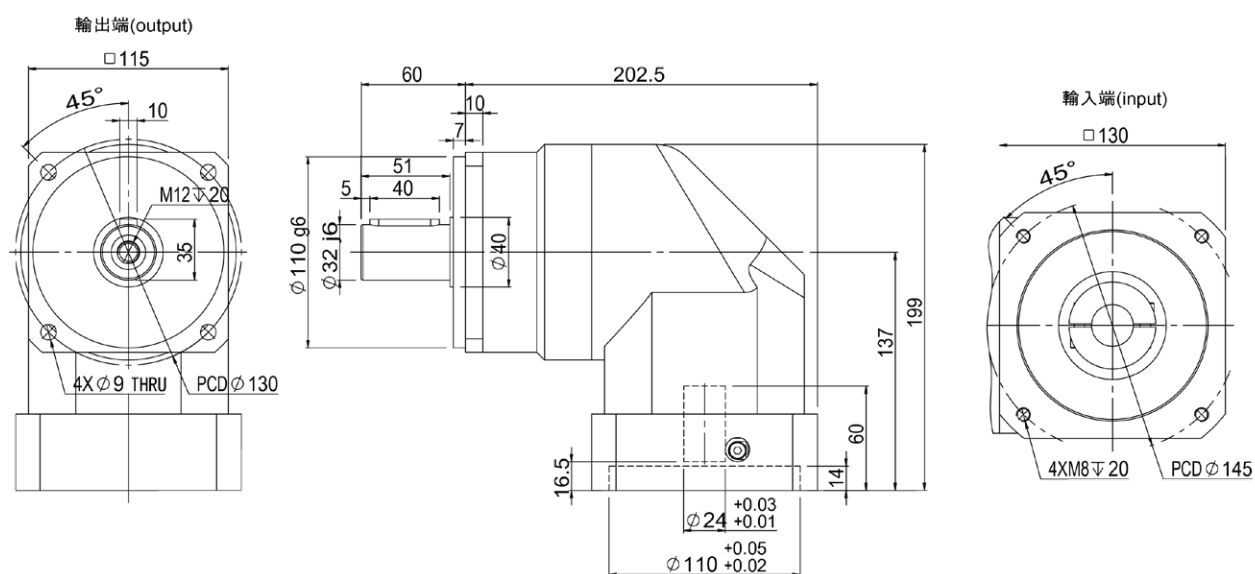
■ GPVR090-L1



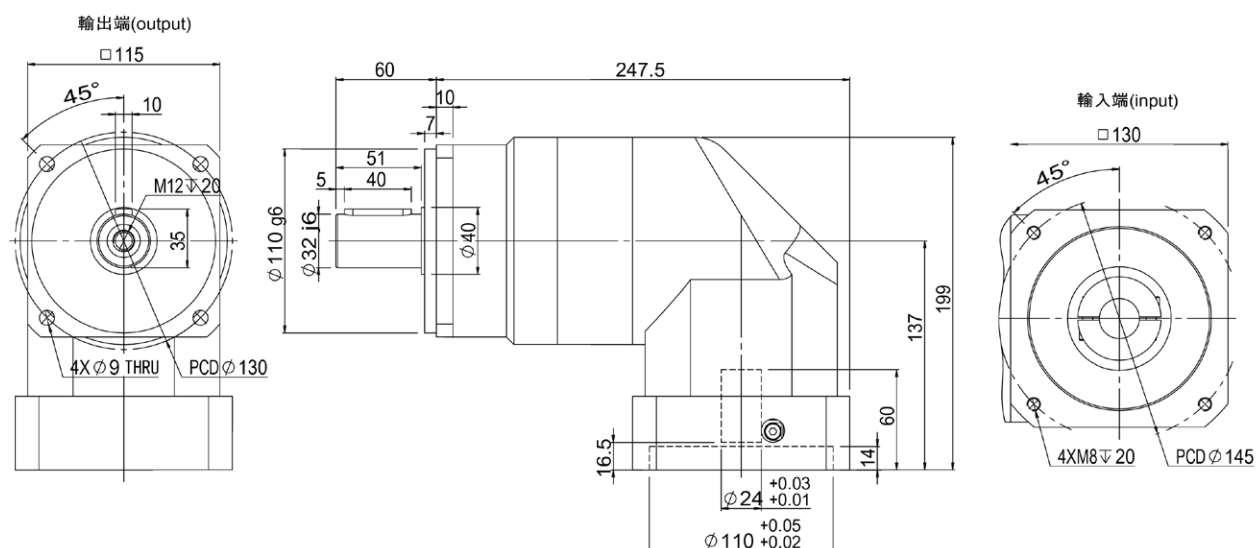
■ GPVR090-L2



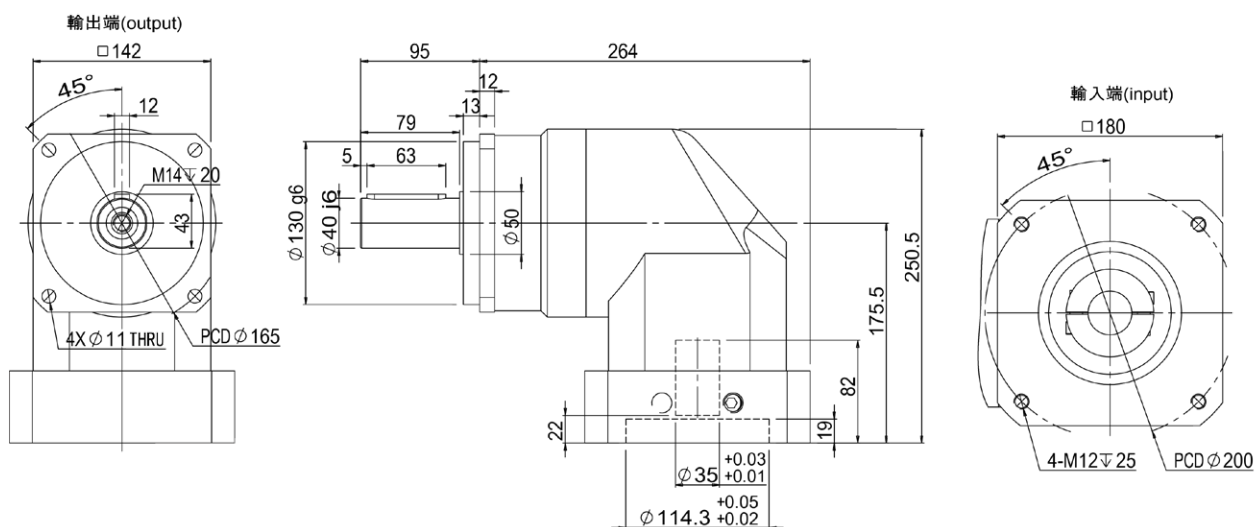
■ GPVR115-L1



■ GPVR115-L2



■ GPVR140-L1



■ GPVR140-L2

