

PGH 性能規格共表 Specifications Table

規格 Specifications		節數 Stage	減速比 Ratio	PGH-42	PGH-60	PGH-90	PGH-115	PGH-142	PGH-180	PGH-220	
額定輸出力矩 $T_{2N}$ Nominal Output Torque	N · m	1	3	19	53	145	290	520	950	1550	
			4	20	55	150	300	550	1000	1650	
			5	17	54	140	290	530	1050	1700	
			6	15	46	135	280	490	1000	1600	
			7	14	44	125	270	450	960	1500	
			8	12	41	110	240	390	900	1350	
			9	11	37	95	220	360	800	1250	
			10	11	37	95	220	360	800	1250	
			2	15	19	53	145	290	520	950	1550
				20	20	55	150	300	550	1000	1650
		25		17	54	140	290	530	1050	1700	
		30		17	54	140	290	530	1050	1700	
		35		17	54	140	290	530	1050	1700	
		40		17	54	140	290	530	1050	1700	
		45		17	54	140	290	530	1050	1700	
		50		17	54	140	290	530	1050	1700	
		60		15	46	135	280	490	1000	1600	
		70		14	44	125	270	450	960	1500	
		80	12	41	110	240	390	900	1350		
90	11	37	95	220	360	800	1250				
100	11	37	95	220	360	800	1250				
急停力矩 $T_{2NOT}$ Emergency Stop Torque	N · m	3.0 倍額定輸出力矩 (3.0 times of Nominal Output Torque) (* 最大輸出力矩 Max. Output Torque $T_{2B}$ =60% of Emergency Stop Torque)									
額定輸入轉速 $n_{1N}$ Nominal Input Speed	rpm	1,2	3-100	5000	5000	4000	4000	3000	3000	2000	
最大輸入轉速 $n_{1max}$ Max. Input Speed	rpm	1,2	3-100	10000	10000	8000	8000	6000	6000	4000	
超精密背隙 Micro Backlash P0	arcmin	1	3-10	≤2	≤2	≤2	≤1	≤1	≤1	≤1	
		2	12-100	≤4	≤4	≤4	≤3	≤3	≤3	≤3	
精密背隙 Classic Backlash P1	arcmin	1	3-10	≤4	≤4	≤4	≤3	≤3	≤3	≤3	
		2	12-100	≤6	≤6	≤6	≤5	≤5	≤5	≤5	
標準背隙 Standard Backlash P2	arcmin	1	3-10	≤6	≤6	≤6	≤5	≤5	≤5	≤5	
		2	12-100	≤8	≤8	≤8	≤7	≤7	≤7	≤7	
扭轉剛性 Torsional Rigidity	N · m / arcmin	1,2	3-100	2.5	6	12	23	45	75	130	
容許徑向力 $F_{2rB}^1$ Max. Radial Load	N	1,2	3-100	515	1010	1780	3420	5380	8330	11120	
容許軸向力 $F_{2aB}^1$ Max. Axial Load	N	1,2	3-100	410	600	1500	2650	4670	6460	8560	
使用溫度 Operating Temp.	°C	3-100 -10 °C ~ +90 °C									
使用壽命 Service Life	hr	3-100 20,000 (10,000/ 連續運轉 Continuous operation)									
效率 Efficiency	%	1	3-10	≥ 97%							
		2	12-100	≥ 94%							
重量 Weight	kg	1	3-10	0.6	1.3	3.5	7.8	16.1	27	58	
		2	12-100	0.9	2.0/1.6	5.6/3.9	9.5	19	34	65	
安裝方向 Mounting Position	-	1,2	3-100	任意方向 Any direction							
噪音值 Noise Level <sup>2</sup>	dB(A)/1m	1,2	3-100	56	58	60	63	65	67	70	
防護等級 Protection Class	-	1,2	3-100	IP65							
潤滑 Lubrication	-	1,2	3-100	全合成潤滑油脂 Synthetic Lubricant							
減速機轉動慣量 Inertia(J1)											
節數 Stage	減速比 Ratio	單位 unit	PGH-42	PGH-60	PGH-90	PGH-115	PGH-142	PGH-180	PGH-220		
1	3	Kg · cm <sup>2</sup>	0.03	0.23	0.97	2.35	10.00	30.50	79.50		
	4		0.02	0.18	0.67	1.66	7.17	25.86	58.21		
	5		0.02	0.17	0.65	1.50	6.52	23.63	54.36		
	6/7/8		0.02	0.14	0.60	1.45	6.17	22.92	54.12		
	9/10		0.02	0.14	0.58	1.41	6.10	22.73	53.98		
2	15/20/25	Kg · cm <sup>2</sup>	0.02	0.17(0.02)	0.65(0.17)	0.65	1.50	6.52	23.63		
	30/35/40		0.02	0.14(0.02)	0.60(0.14)	0.60	1.45	6.17	22.92		
	45/50/60/70/80/90/100		0.02	0.14(0.02)	0.58(0.14)	0.58	1.41	6.10	22.73		
	PGH-42		PGH-60(T)	PGH-90(T)	PGH-115T	PGH-142T	PGH-180T	PGH-220T			
	PGH-42		PGH-60(T)	PGH-90(T)	PGH-115T	PGH-142T	PGH-180T	PGH-220T			

1.輸出轉速 100rpm 時,作用於輸出軸中心位置 Applied to the output shaft center @100rpm. 2.3000rpm 空載量測 Measured at 3000rpm with no load  
\* 本公司有權對以上數據規格進行設計變更不先行告知。The above figures/specifications are subject to change without prior notice.

產品因人為原因或天災等因素導致不良或損壞,不在保固範圍內。  
Products due to human error, natural disasters or other factors lead to poor or damaged, will not be covered under warranty.

