PGH Specifications Table PGH性能規格共表

規格 Specifications		節數 Stage	減速比 Ratio	PGH-42	PGH-60	PGH-90	PGH-115	PGH-142	PGH-180	PGH-255
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
		節數 Stage	減速比 Ratio	PGH-42	PGH-60 (T)	PGH-90(T)	PGH-115T	PGH-142T	PGH-180T	PGH-255T
		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 T2B =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 Precision 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_{2re} [1] Max. Radial Load	N	1,2	3-100	760	1570	2780	5340	8400	13000	35000
容許軸向力 F_{2aB} [1] Max. Axial Load	N	1,2	3-100	410	750	1870	3310	4670	6460	21400
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 [2]	dBA/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 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-255
1	3	Kg • cm²	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
節數Stage	減速比Ratio		PGH-42	PGH-60(T)	PGH-90(T)	PGH-115T	PGH-142T	PGH-180T	PGH-255T
2	15/20/25		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

* 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 空載重測 Measured at 3000rpm with no load
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Products due to human error, natural disasters or other factors lead to poor or damaged, will not be covered under warranty.
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