

PGF Specifications Table PGF性能規格共表

規格 Specifications		節數 Stage	減速比 Ratio	PGF-42	PGF-60	PGF-90	PGF-115
額定輸出力矩 T2N Nominal Output Torque	N • m	1	3	-	40	105	180
			4	16	43	110	240
			5	17	50	130	290
			7	14	44	125	270
			10	11	37	95	220
		2	減速比 Ratio	PGF-42	PGF-60(T)	PGF-90(T)	PGF-115T
			15	-	40	105	180
			20	16	43	110	240
			25	17	50	130	290
			30	17	50	130	290
35	17	50	130	290			
40	17	50	130	290			
50	17	50	130	290			
70	14	44	125	270			
100	11	37	95	220			
急停力矩 T2NOT 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 n1N Nominal Input Speed	rpm	1,2	3-100	5000	5000	4000	4000
最大輸入轉速 n1max Max. Input Speed	rpm	1,2	3-100	10000	10000	8000	8000
超精密背隙 Micro Backlash P0	arcmin	1	3-10	≤ 3	≤ 3	≤ 3	≤ 1
精密背隙 Precision Backlash P1	arcmin	1	3-10	≤ 5	≤ 5	≤ 5	≤ 3
		2	12-100	≤ 7	≤ 7	≤ 7	≤ 5
標準背隙 Standard Backlash P2	arcmin	1	3-10	≤ 7	≤ 7	≤ 7	≤ 5
		2	12-100	≤ 9	≤ 9	≤ 9	≤ 7
扭轉剛性 Torsional Rigidity	N • m /arcmin	1,2	3-100	6	12	28	75
容許彎曲力矩 Mzα ¹ Max. Bending Moment	N • m	1,2	3-100	22.5	36	76	140
容許軸向力 Fzα ¹ Max. Axial Load	N	1,2	3-100	465	635	1060	1580
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	0.7	1.4	3.2	6.0
		2	12-100	1.1	2.2/1.7	5.9/4.0	7.9
安裝方向 Mounting Position	-	1,2	3-100	任意方向 Any direction			
噪音值 Noise Level ²	dB(A)/1m	1,2	3-100	56	58	60	63
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	PGF-42	PGF-60	PGF-90	PGF-115	
1	3	Kg • cm ²	-	0.19	0.72	2.35	
	4		0.02	0.18	0.67	1.66	
	5		0.02	0.17	0.65	1.50	
	7		0.02	0.14	0.60	1.45	
	10		0.02	0.14	0.58	1.41	
節數 Stage	減速比 Ratio		PGF-42	PGF-60(T)	PGF-90(T)	PGF-115T	
2	15/20/25		0.02	0.17(0.02)	0.65(0.17)	0.65	
	30/35/40		0.02	0.14(0.02)	0.60(0.14)	0.60	
	50/70/100		0.02	0.14(0.02)	0.58(0.14)	0.58	

* 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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 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。



INDUSTRIAL SOLUTIONS

FICOBA (Recinto Ferial Gipuzkoa)
 AVDA.IPARRALDE, 43 - ROOM 3
 20302 IRUN-GIPUZKOA (SPAIN)

☎ 00 34 646 211965

✉ RCC@RCCINDUSTRIAL.COM

📄 RCCINDUSTRIAL

WWW.RCCINDUSTRIAL.COM

