

PGFR Specifications Table PGFR性能規格表

| 規格 Specifications | 節數 Stage | 減速比 Ratio | PGFR-42 | PGFR-60 | PGFR-90 | PGFR-115 | |
|---|---|----------------------|------------|--|------------|-----------|------|
| 額定輸出力矩 T _{2N} Nominal Output Torque | 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 | |
| | | 14 | 14 | 44 | 125 | 270 | |
| | | 20 | 11 | 37 | 95 | 220 | |
| | 2 | 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 | |
| N • m | 70 | 14 | 44 | 125 | 270 | | |
| | 100 | 11 | 37 | 95 | 220 | | |
| | 140 | 14 | 44 | 125 | 270 | | |
| | 200 | 11 | 37 | 95 | 220 | | |
| | 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) | | | | | | |
| | 急停力矩 T _{2NOT} Emergency Stop Torque | N • m | | | | | |
| 額定輸入轉速 Ω_{1N} Nominal Input Speed | rpm | 1,2 | 3-100 | 5000 | 5000 | 4000 | 4000 |
| 最大輸入轉速 Ω_{1max} Max. Input Speed | rpm | 1,2 | 3-100 | 10000 | 10000 | 8000 | 8000 |
| 超精密背隙 Micro Backlash P0 | arcmin | 1 | 3-10 | - | - | ≤ 4 | ≤ 2 |
| | | 2 | 12-100 | - | - | ≤ 6 | ≤ 4 |
| 精密背隙 Precision Backlash P1 | arcmin | 1 | 3-10 | ≤ 6 | ≤ 6 | ≤ 6 | ≤ 4 |
| | | 2 | 12-100 | ≤ 8 | ≤ 8 | ≤ 8 | ≤ 7 |
| 標準背隙 Standard Backlash P2 | arcmin | 1 | 3-10 | ≤ 8 | ≤ 8 | ≤ 8 | ≤ 6 |
| | | 2 | 12-100 | ≤ 10 | ≤ 10 | ≤ 10 | ≤ 9 |
| 扭轉剛性 Torsional Rigidity | N • m / arcmin | 1,2 | 3-100 | 6 | 12 | 28 | 75 |
| 容許彎曲力矩 M _{2kb} ¹ Max. Bending Moment | N • m | 1,2 | 3-100 | 18 | 29 | 61 | 111 |
| 容許軸向力 F _{2ab} ¹ Max. Axial Load | N | 1,2 | 3-100 | 372 | 508 | 849 | 1260 |
| 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 | ≥ 95% | | | |
| | | 2 | 12-100 | ≥ 92% | | | |
| 重量 Weight | kg | 1 | 3-10 | 1.0 | 2.3 | 6.3 | 13.5 |
| | | 2 | 12-100 | 1.4 | 3.0/2.6 | 8.3/6.7 | 14.8 |
| 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 | 62 | 64 | 66 | 68 |
| 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 | PGFR-42 | PGFR-60 | PGFR-90 | PGFR-115 | |
| 1 | 3/4/5/7/9 | Kg • cm ² | 0.06 | 0.40 | 2.28 | 6.87 | |
| | 10/14/20 | | 0.05 | 0.30 | 1.45 | 4.76 | |
| 2 | 15/20/25/35 | | PGFR-42 | PGFR-60(T) | PGFR-90(T) | PGFR-115T | |
| | others | | 0.06 | 0.40(0.08) | 2.28(0.72) | 3.02 | |
| | | 0.05 | 0.30(0.06) | 1.45(0.38) | 1.64 | | |

* 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
 ※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.



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

☎ 00 34 646 211965
 ✉ RCC@RCCINDUSTRIAL.COM
 📍 RCCINDUSTRIAL

WWW.RCCINDUSTRIAL.COM



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PHL Series
 PHFR Series
 PHF Series
 PGH Series
 PJI Series
 PGLH Series
 PGL Series
 PGRH Series
 PGR Series
 PGR Series
 PGE Series
 PEE Series
 PBC Series
 PBE Series