**产品概要**

**輸出額定力矩**  
T2N : 9 Nm - 2000 Nm  
**减速比:**  
單節 :3 / 4 / 5 / 6 / 7 / 8 / 9 / 10 / 14 / 20  
雙節 :15 /20 / 25 / 30 / 35 / 40 / 45 / 50 / 60 / 70 80 /90 / 100 / 120 / 140 / 160 / 180 / 200  
\*只有AER050雙節提供15,20減速比   
**低背隙**  
單節 : ≤10 arcmin  
雙節 : ≤14 arcmin  
**高效率**  
單節 : ≧ 95%  
雙節 : ≧ 92%  
**容易安裝**  
**低噪音**  
**結構緊湊**

**产品特点**

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| http://www.apexdyna.com/zh/imgs/prod/AER-feature.gif |
| AER系列 採用蝸線傘齒輪設計，容許伺服馬達高轉速的輸入，得到最高扭距的輸出，嚙合蝸線經最佳化的運動誤差分析，自設的精密研磨設備，製造出最低的運轉背隙，效率高、壽命長、免保養。 |

**产品规格**

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| * **产品性能** |
| |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **規格 No.** | | | 節數 | 減速比1 | **AER050** | **AER070** | **AER090** | **AER120** | **AER155** | **AER205** | **AER235** | | 額定輸出力矩T2N | | Nm | 1 | 3 | 9 | 36 | 90 | 195 | 342 | 588 | 1,140 | | 4 | 12 | 48 | 120 | 260 | 520 | 1,040 | 1,680 | | 5 | 15 | 60 | 150 | 325 | 650 | 1,200 | 2,000 | | 6 | 18 | 55 | 150 | 310 | 600 | 1,100 | 1,900 | | 7 | 19 | 50 | 140 | 300 | 550 | 1,100 | 1,800 | | 8 | 17 | 45 | 120 | 260 | 500 | 1,000 | 1,600 | | 9 | 14 | 40 | 100 | 230 | 450 | 900 | 1,500 | | 10 | 14 | 60 | 150 | 325 | 650 | 1,200 | 2,000 | | 14 | - | 42 | 140 | 300 | 550 | 1,100 | 1,800 | | 20 | - | 40 | 100 | 230 | 450 | 900 | 1,500 | |  | | | | | | | | | | 2 | 15 | 14 | - | - | - | - | - | - | | 20 | 14 | - | - | - | - | - | - | | 25 | 15 | 60 | 150 | 325 | 650 | 1,200 | 2,000 | | 30 | 20 | 55 | 150 | 310 | 600 | 1,100 | 1,900 | | 35 | 19 | 50 | 140 | 300 | 550 | 1,100 | 1,800 | | 40 | 17 | 45 | 120 | 260 | 500 | 1,000 | 1,600 | | 45 | 14 | 40 | 100 | 230 | 450 | 900 | 1,500 | | 50 | 14 | 60 | 100 | 230 | 650 | 1,200 | 2,000 | | 60 | 20 | 55 | 150 | 310 | 600 | 1,100 | 1,900 | | 70 | 19 | 50 | 140 | 300 | 550 | 1,100 | 1,800 | | 80 | 17 | 45 | 120 | 260 | 500 | 1,000 | 1,600 | | 90 | 14 | 40 | 100 | 230 | 450 | 900 | 1,500 | | 100 | 14 | 40 | 100 | 230 | 450 | 900 | 1,500 | | 120 | - | - | 150 | 310 | 600 | 1,100 | 1,900 | | 140 | - | - | 140 | 300 | 550 | 1,100 | 1,800 | | 160 | - | - | 120 | 260 | 550 | 1,000 | 1,600 | | 180 | - | - | 100 | 230 | 450 | 900 | 1,500 | | 200 | - | - | 100 | 230 | 450 | 900 | 1,500 | | 急停扭矩 T2NOT3 | | Nm | 1,2 | 3~200 | 3倍額定輸出力矩 | | | | | | | | 額定輸入轉速 N1N | | rpm | 1,2 | 3~200 | 5,000 | 5,000 | 4,000 | 4,000 | 3,000 | 3,000 | 2,000 | | 最大輸入轉速 N1B | | rpm | 1,2 | 3~200 | 10,000 | 10,000 | 8,000 | 8,000 | 6,000 | 6,000 | 4,000 | | 標準背隙 | | arcmin | 1 | 3~20 | ≤ 10 | ≤ 10 | ≤ 10 | ≤ 10 | ≤ 10 | ≤ 10 | ≤ 10 | | 2 | 25~200 | ≤ 14 | ≤ 14 | ≤ 14 | ≤ 14 | ≤ 14 | ≤ 14 | ≤ 14 | | 扭轉剛性 | | Nm /  arcmin | 1,2 | 3~200 | 3 | 7 | 14 | 25 | 50 | 145 | 225 | | 最大徑向力 F2rB2 | | N | 1,2 | 3~200 | 702 | 1,377 | 2,985 | 6,100 | 8,460 | 13,050 | 8,700 | | 最大軸向力 | F2a1B2 | N | 1,2 | 3~200 | 350 | 630 | 1,300 | 2,400 | 4,000 | 6,200 | 4,800 | | F2a2B2 | N | 1,2 | 3~200 | 390 | 765 | 1,625 | 3,350 | 4,700 | 7,250 | 18,000 | | 使用壽命 | | hr | 1,2 | 3~200 | 20,000 \* | | | | | | | | 效率 http://www.apexdyna.com/zh/imgs/prod/ui.gif | | % | 1 | 3~20 | ≧95 % | | | | | | | | 2 | 25~200 | ≧92 % | | | | | | | | 重量 | | kg | 1 | 3~20 | 1.0 | 2.1 | 5.8 | 11.2 | 22.4 | 46.8 | 78.0 | | 2 | 25~200 | 1.3 | 2.0 | 4.6 | 11.1 | 21.8 | 43.7 | 81.9 | | 使用溫度 | | ºC | 1,2 | 3~200 | -10ºC~90ºC | | | | | | | | 潤滑 | |  | - | - | 合成潤滑油脂(NYOGEL 792D) | | | | | | | | 防護等級 | |  | 1,2 | 3~200 | IP65 | | | | | | | | 安裝方向 | |  | 1,2 | 3~200 | 任意方向 | | | | | | | | 噪音值  (n1=3000 rpm,無負載) | | dB(A) | 1,2 | 3~200 | ≤ 61 | ≤ 63 | ≤ 65 | ≤ 68 | ≤ 70 | ≤ 72 | ≤ 74 | |

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| 1.減速比 ( i=N in / Nout ) | 2. 輸出轉數100rpm 時，作用於輸出軸中心位置。 |
| 3.最大加速力矩 T2B = 60% of T2NOT | |
| \*連續運轉降低使用壽命二分之一。(請洽詢本公司) | |

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| http://www.apexdyna.com/zh/imgs/icon1.gif**減速機轉動慣量** |
| |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **規格 No.** | 節數 | 減速比1 | **AER050** | **AER070** | **AER090** | **AER120** | **AER155** | **AER205** | **AER235** | | 轉動慣量 J  （kg‧cm2） | 1 | 3~10 | 0.09 | 0.35 | 2.25 | 6.84 | 23.4 | 68.9 | 135.4 | | 14 | - | 0.07 | 1.87 | 6.25 | 21.8 | 65.6 | 119.8 | | 20 | - | 0.07 | 1.87 | 6.25 | 21.8 | 65.6 | 119.8 | |  | | | | | | | | | | 2 | 15 | 0.09 | - | - | - | - | - | - | | 20 | 0.09 | - | - | - | - | - | - | | 25~100 | 0.09 | 0.09 | 0.35 | 2.25 | 6.84 | 23.4 | 68.9 | | 120~200 | - | - | 0.31 | 1.87 | 6.25 | 21.8 | 65.6 | |

**产品尺寸**

**產品尺寸**

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| http://www.apexdyna.com/zh/imgs/icon1.gif單節 , 減速比 i = 3 ~ 10 |
| http://www.apexdyna.com/zh/imgs/prod/AER-Dimension-s1.gif |

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| 3.C1~C10 是公制標準馬達連接板之尺寸，請至 " 減速機選用 " 找出正確之尺寸。  \* AER070M1 提供 C3≤16 可選。 \* AER090M1 提供 C3≤24 可選。 |

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| http://www.apexdyna.com/zh/imgs/icon1.gif雙節 , 減速比 i = 15 ~ 100 |
| http://www.apexdyna.com/zh/imgs/prod/AER-Dimension-s2.gif |

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| 4.C1~C10 是公制標準馬達連接板之尺寸，請至 " 減速機選用 " 找出正確之尺寸。  \* AER070M1 提供 C3 ≤12 可選。  \* AER090M1 提供 C3 ≤16 可選。 \* AER090M2 提供 C3 ≤15.875 可選。  \* AER120M1 提供 C3 ≤24 可選。 | |
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