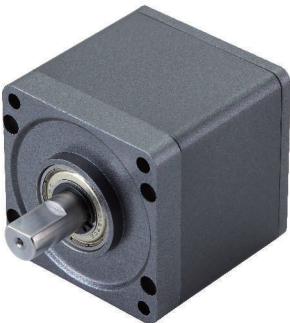
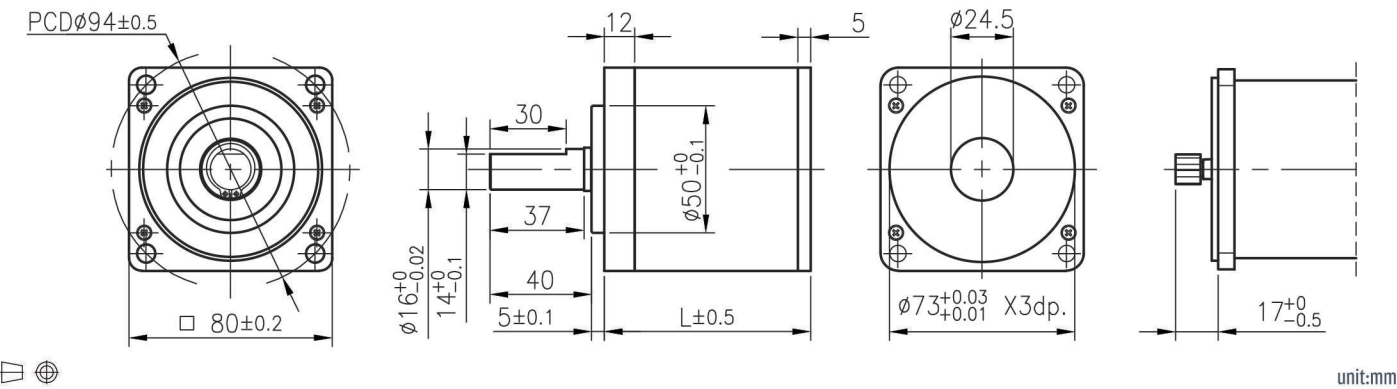


IG-80W



IG

外形尺寸 & 馬達齒鉚合尺寸 / Appearance Size & Pinion Assembly Dimension



Right Angle

RA

產品規格/ Product Specifications

| 外殼材質<br>Housing material | 輸出軸承型式<br>Output shaft bearing | 徑向負荷<br>Radial load (10mm from flange) | 軸向負荷<br>Shaft axial load | 主軸承受壓入力<br>Shaft press fit force | 徑向間隙<br>Radial play of shaft | 軸向間隙<br>Thrust play of shaft | 背隙 (無負荷時)<br>Backlash, at no-load |
|--------------------------|--------------------------------|----------------------------------------|--------------------------|----------------------------------|------------------------------|------------------------------|-----------------------------------|
| 金屬<br>Metal              | 滾珠軸承<br>Ball bearings          | $\leq 30 \text{ kgf}$                  | $\leq 10 \text{ kgf}$    | $\leq 75 \text{ kgf}$            | $\leq 0.08 \text{ mm}$       | $\leq 0.4 \text{ mm}$        | $\leq 3^\circ$                    |

RB

馬達齒輪型式/ Pinion Specifications

| 模數<br>Module | 齒數<br>No. of teeth | 壓力角<br>Pressure angle | 孔徑 (mm)<br>Hole diameter | 減速比<br>Reduction ratio                                                    |
|--------------|--------------------|-----------------------|--------------------------|---------------------------------------------------------------------------|
| 1.0          | 13                 | $20^\circ$            | $\phi 6 \times 4.5$      | 1/19, 1/21, 1/71, 1/80, 1/103, 1/117, 1/306<br>1/393, 1/445, 1/571, 1/647 |
| 1.0          | 21                 | $20^\circ$            | $\phi 8 \times 6$        | 1/13, 1/15, 1/49, 1/55, 1/186, 1/210                                      |

WG

標準減速比型式/ Gearboxes Specifications

| 減速比<br>Reduction ratio                            | 1/4  | 1/13 | 1/15 | 1/19 | 1/21 | 1/49 | 1/55 | 1/71 | 1/80 | 1/103 | 1/117 | 1/186 | 1/210 | 1/306 | 1/393 | 1/445 | 1/571 | 1/647 |  |  |  |
|---------------------------------------------------|------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|--|--|
| 定格容許扭力 (kgf-cm max.)<br>Rated tolerance torque    | 15   | 70   | 70   | 70   | 70   | 125  | 125  | 125  | 125  | 125   | 125   | 125   | 125   | 125   | 125   | 125   | 125   | 125   |  |  |  |
| 瞬間容許扭力 (kgf-cm)<br>Max momentary tolerance torque | 45   | 210  | 210  | 210  | 210  | 375  | 375  | 375  | 375  | 375   | 375   | 375   | 375   | 375   | 375   | 375   | 375   | 375   |  |  |  |
| 效率<br>Efficiency                                  | 80%  | 70%  | 70%  | 70%  | 70%  | 60%  | 60%  | 60%  | 60%  | 60%   | 60%   | 50%   | 50%   | 50%   | 50%   | 50%   | 50%   | 50%   |  |  |  |
| 長度<br>Length (L)                                  | 49.3 | 65.8 | 65.8 | 65.8 | 65.8 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3  | 82.3  | 98.8  | 98.8  | 98.8  | 98.8  | 98.8  | 98.8  | 98.8  |  |  |  |
| 重量 (滾珠軸承)<br>Weight (g) / Ball bearings           | 1100 | 1570 | 1570 | 1570 | 1570 | 2040 | 2040 | 2040 | 2040 | 2040  | 2040  | 2510  | 2510  | 2510  | 2510  | 2510  | 2510  | 2510  |  |  |  |

Encoder

Driver

- 使用相對溼度：20%~85%RH  
Operating relative humidity
- 使用溫度範圍：-10°C~+60°C  
Operating temperature range