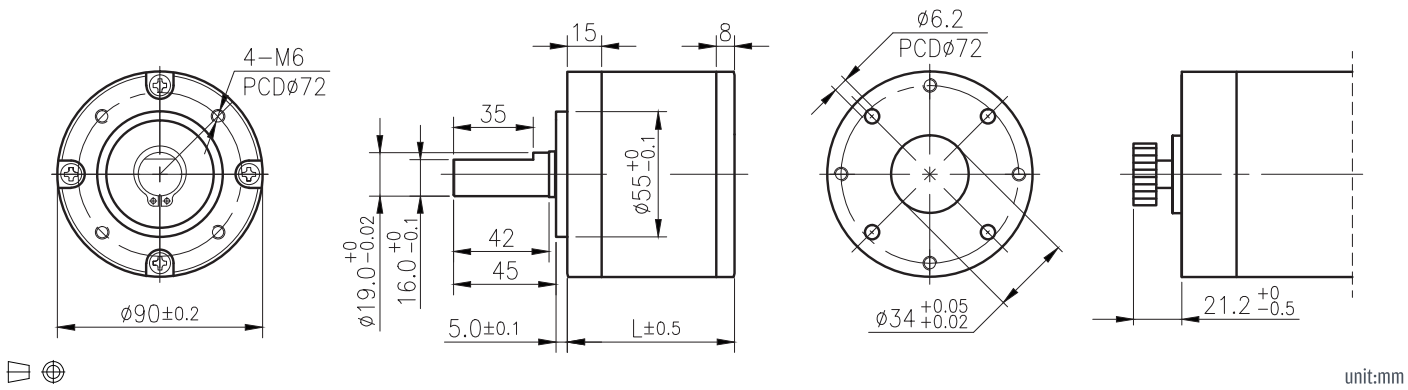


# IG-90



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



## 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          | ≤ 40 kgf                               | ≤ 10 kgf                 | ≤ 100 kgf                        | ≤ 0.08 mm                    | ≤ 0.4 mm                     | ≤ 4°                              |

## 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          | 16                 | 20°                   | □ Ø10X8                  | 1/19, 1/77, 1/98, 1/294, 1/403, 1/517 |
| 1.0          | 22                 | 20°                   | □ Ø12X10                 | 1/15, 1/60                            |
| 1.0          | 24                 | 20°                   | □ Ø12X10                 | 1/52, 1/201                           |
| 1.25         | 21                 | 20°                   | □ Ø12X10                 | 1/4                                   |

## 標準減速比型式 / Gearboxes Specifications

| 減速比<br>Reduction ratio                            | 1/4  | 1/15 | 1/19 | 1/52 | 1/60 | 1/77 | 1/98 | 1/201 | 1/294 | 1/403 | 1/517 |  |  |  |  |  |  |  |  |
|---------------------------------------------------|------|------|------|------|------|------|------|-------|-------|-------|-------|--|--|--|--|--|--|--|--|
| 定格容許扭力 (kgf-cm max.)<br>Rated tolerance torque    | 20   | 80   | 80   | 150  | 150  | 150  | 150  | 180   | 180   | 180   | 180   |  |  |  |  |  |  |  |  |
| 瞬間容許扭力 (kgf-cm)<br>Max momentary tolerance torque | 60   | 240  | 240  | 450  | 450  | 450  | 450  | 540   | 540   | 540   | 540   |  |  |  |  |  |  |  |  |
| 效率<br>Efficiency                                  | 80%  | 70%  | 70%  | 60%  | 60%  | 60%  | 60%  | 50%   | 50%   | 50%   | 50%   |  |  |  |  |  |  |  |  |
| 長度<br>Length (L)                                  | 57.3 | 73.8 | 73.8 | 90.3 | 90.3 | 90.3 | 90.3 | 106.8 | 106.8 | 106.8 | 106.8 |  |  |  |  |  |  |  |  |
| 重量 (滾珠軸承)<br>Weight (g) /Ball bearings            | 1670 | 2230 | 2230 | 2800 | 2800 | 2800 | 2800 | 3370  | 3370  | 3370  | 3370  |  |  |  |  |  |  |  |  |

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