



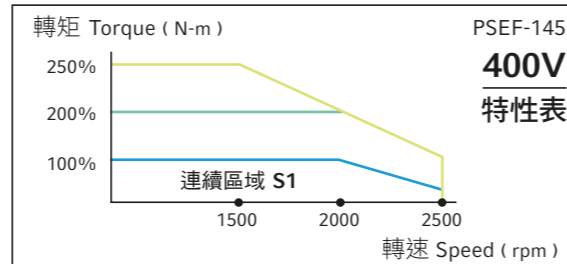
PSEF-145

SYNCHRONOUS SERVO MOTOR 同步伺服馬達

400V FUKUTA SYNCHRONOUS
SERVO MOTOR

▶ 產品規格 Specification

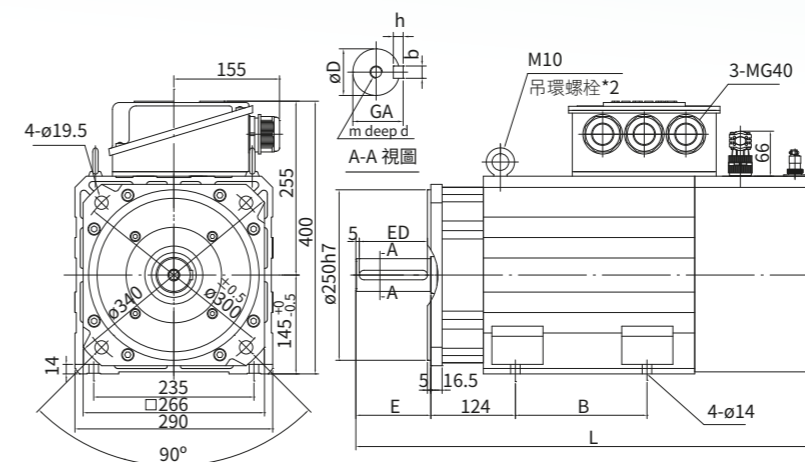
| 框號 Frame No. | 145S | 145M | 145L |
|---|-------|-------|-------|
| 極數 Poles | 8 | 8 | 8 |
| 轉動慣量 Rotor Inertia (kg·m ²) | 0.048 | 0.064 | 0.069 |



| 框號 Fr. No. | 額定輸出 Rated Output | 額定轉速 Rated Speed | 額定電流 Rated Current | 額定轉矩 Rated Torque | 最大轉矩 Max. Torque | 額定頻率 Rated Frequency | Ke(E.M.F) vRMS/1000rpm | 轉矩常數 Kt | 最高轉速 Max Speed | 轉動慣量 Inertia | 重量 Weight |
|------------|-------------------|------------------|--------------------|-------------------|------------------|----------------------|------------------------|---------|----------------|-------------------|-----------|
| | kw | RPM | A | Nm | Nm | Hz | Vrms | Nm/Arms | rpm | kg·m ² | kg |
| 145S | 20 | 1000 | 40.9 | 191.0 | 477.5 | 66.7 | 300.0 | 4.7 | 1500.0 | 0.048 | 112 |
| | 30 | 1500 | 63.3 | 191.0 | 477.5 | 100.0 | 200.0 | 3.0 | 2000.0 | 0.048 | 112 |
| | 37 | 2000 | 75.7 | 176.7 | 441.7 | 133.3 | 150.0 | 2.3 | 2500.0 | 0.048 | 112 |
| | 55 | 3000 | 116.0 | 175.1 | 437.7 | 200.0 | 100.0 | 1.5 | 3500.0 | 0.048 | 112 |
| 145M | 25 | 1000 | 51.1 | 238.8 | 596.9 | 66.7 | 300.0 | 4.7 | 1500.0 | 0.064 | 130 |
| | 37 | 1500 | 75.7 | 235.6 | 588.9 | 100.0 | 200.0 | 3.1 | 2000.0 | 0.064 | 130 |
| | 45 | 2000 | 92.1 | 214.9 | 537.2 | 133.3 | 150.0 | 2.3 | 2500.0 | 0.064 | 130 |
| | 75 | 3000 | 153.4 | 238.8 | 596.9 | 200.0 | 100.0 | 1.6 | 3500.0 | 0.064 | 130 |
| 145L | 30 | 1000 | 61.4 | 286.5 | 716.3 | 66.7 | 300.0 | 4.7 | 1500.0 | 0.069 | 150 |
| | 45 | 1500 | 92.1 | 286.5 | 716.3 | 100.0 | 200.0 | 3.1 | 2000.0 | 0.069 | 150 |
| | 55 | 2000 | 112.5 | 262.6 | 656.6 | 133.3 | 150.0 | 2.3 | 2500.0 | 0.069 | 150 |
| | 85 | 3000 | 173.9 | 270.6 | 676.5 | 200.0 | 100.0 | 1.6 | 3500.0 | 0.069 | 150 |

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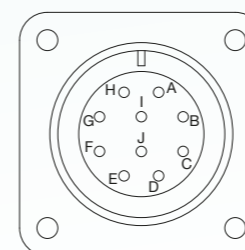
※ 本型錄僅供參考，本公司保有修改之權利。



| | D | bxh | mxh | GA | E | ED | L | B |
|------|------|-------|--------|------|-----|-----|-------|-----|
| 145S | 48k6 | 14x9 | M16x36 | 51.5 | 110 | 100 | 692.5 | 193 |
| 145M | 48k6 | 14x9 | M16x36 | 51.5 | 110 | 100 | 742.5 | 243 |
| 145L | 55m6 | 16x10 | M20x40 | 59 | 110 | 100 | 792.5 | 293 |

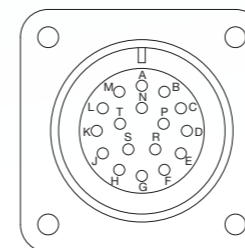
Remark: 1. Tolerance of shaft End Diameter "D": k6:+0.018 ~ +0.002 m6:+0.030 ~ +0.011

▶ 編碼器資料 Encoder information



Standard Type

| Type / Connector | Pin A | Pin B | Pin C | Pin D | Pin E | Pin F | Pin G | Pin H | Pin I | Pin J |
|------------------|-------|-------|-------|-------|-------|-------|--------|-------|-------|-------|
| Resolver | R+ | R- | Sin+ | Sin- | Cos+ | Cos- | | | | |
| Pushpull | A | B | Z | | | | Shield | +Vcc | COM | |
| Line-driver | A | B | Z | A- | B- | Z- | Shield | +Vcc | COM | |



Optional

| Connector | Pin A | Pin B | Pin C | Pin D | Pin E | Pin F | Pin G | Pin H |
|-------------|-------|-------|-------|-------|-------|-------|--------|-------|
| Line-driver | A | A- | B | B- | Z | Z- | U | U- |
| | Pin J | Pin K | Pin L | Pin M | Pin N | Pin P | Pin R | Pin S |
| | V | V- | W | W- | +Vcc | COM | Shield | |

★ 編碼器之選用依客戶需求為主。