



## Main

|                           |             |
|---------------------------|-------------|
| Range compatibility       | PacDrive 3  |
| Product or component type | Servo motor |
| Device short name         | SH3.....P   |

## Complementary

|                           |   |
|---------------------------|---|
| Maximum mechanical speed  | 8000 rpm  |
| [Us] rated supply voltage | 115...480 V   |
| Network number of phases  | Three phase   |
| Continuous stall current  | 1.8 A   |
| Continuous stall torque   | 12.39 lbf.in (1.4 N.m) 115...480 V three phase  |
| Peak stall torque         | 30.98 lbf.in (3.5 N.m) 115...480 V three phase  |
| Nominal output power      | 220 W 115 V three phase<br>440 W 230 V three phase<br>820 W 400 V three phase<br>950 W 480 V three phase  |
| Nominal torque            | 12.39 lbf.in (1.4 N.m) 115 V three phase<br>12.39 lbf.in (1.4 N.m) 230 V three phase<br>11.51 lbf.in (1.3 N.m) 400 V three phase<br>11.15 lbf.in (1.26 N.m) 480 V three phase |
| Nominal speed             | 1500 rpm 115 V three phase<br>3000 rpm 230 V three phase<br>6000 rpm 400 V three phase<br>7200 rpm 480 V three phase  |
| Maximum current Irms      | 5.7 A   |
| Shaft end                 | Smooth shaft  |
| Shaft diameter            | 0.43 in (11 mm)   |
| Shaft length              | 0.91 in (23 mm)   |
| IP degree of protection   | Motor IP65 EN/IEC 60034-5   |

Shaft bushing IP65 EN/IEC 60034-5

|                                       |  |
|---------------------------------------|--|
| Encoder type                          | Absolute single turn SinCos Hiperface  |
| Speed feedback resolution             | 128 periods  |
| Holding brake                         | With   |
| Holding torque                        | 17.70 lbf.in (2 N.m)   |
| Mounting support                      | International standard flange  |
| Motor flange size                     | 2.76 in (70 mm)  |
| Torque constant                       | 0.8 N.m/A 248 °F (120 °C)  |
| Back emf constant                     | 46 V/krpm 68 °F (20 °C)  |
| Number of motor poles                 | 3  |
| Rotor inertia                         | 0.322 kg.cm <sup>2</sup>   |
| Stator resistance                     | 10.4 Ohm   |
| Stator inductance                     | 60.25 mH   |
| Maximum radial force Fr               | 660 N 1000 rpm<br>520 N 2000 rpm<br>460 N 3000 rpm<br>410 N 4000 rpm<br>380 N 5000 rpm<br>360 N 6000 rpm |
| Maximum axial force Fa                | 80 N   |
| Type of cooling                       | Natural convection   |
| Length                                | 7.07 in (179.5 mm)   |
| Centring collar diameter              | 2.36 in (60 mm)  |
| Centring collar depth                 | 0.10 in (2.5 mm)   |
| Number of mounting holes              | 4  |
| Mounting holes diameter               | 0.22 in (5.5 mm)   |
| Circle diameter of the mounting holes | 3.23 in (82 mm)  |
| Net weight                            | 5.07 lb(US) (2.3 kg)   |

### Packing Units

|                              |                      |
|------------------------------|----------------------|
| Unit Type of Package 1       | PCE                  |
| Number of Units in Package 1 | 1                    |
| Package 1 Weight             | 5.29 lb(US) (2.4 kg) |
| Package 1 Height             | 4.53 in (11.5 cm)    |
| Package 1 width              | 7.48 in (19 cm)      |
| Package 1 Length             | 15.55 in (39.5 cm)   |

### Offer Sustainability

|                            |   |
|----------------------------|---|
| Sustainable offer status   | Green Premium product   |
| REACH Regulation           | <a href="#">REACH Declaration</a>   |
| EU RoHS Directive          | Pro-active compliance (Product out of EU RoHS legal scope)<br><a href="#">EU RoHS Declaration</a>                           |
| Mercury free               | Yes   |
| RoHS exemption information | <a href="#">Yes</a>   |
| China RoHS Regulation      | <a href="#">China RoHS declaration</a>  |
| Environmental Disclosure   | <a href="#">Product Environmental Profile</a>   |
| WEEE                       | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |
| PVC free                   | Yes   |

### Contractual warranty

|          |           |
|----------|-----------|
| Warranty | 18 months |
|----------|-----------|