



## 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  | 2.9 A                                                                                                                                                             |
| Continuous stall torque   | 2.2 N.m at 115...480 V three phase                                                                                                                                |
| Peak stall torque         | 7.6 N.m at 115...480 V three phase                                                                                                                                |
| Nominal output power      | 340 W 115 V three phase<br>660 W 230 V three phase<br>1190 W at 400 V three phase<br>1360 W at 480 V three phase                                                  |
| Nominal torque            | 19.03 lbf.in (2.15 N.m) 115 V three phase<br>18.59 lbf.in (2.1 N.m) 230 V three phase<br>16.82 lbf.in (1.9 N.m) 400 V three phase<br>1.8 N.m at 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      | 11.8 A                                                                                                                                                            |
| Shaft end                 | Parallel key                                                                                                                                                      |
| Shaft diameter            | 0.43 in (11 mm)                                                                                                                                                   |
| Shaft length              | 0.91 in (23 mm)                                                                                                                                                   |
| Key width                 | 0.16 in (4 mm)                                                                                                                                                    |

|                                       |                                                                                                          |
|---------------------------------------|----------------------------------------------------------------------------------------------------------|
| IP degree of protection               | Motor IP65 EN/IEC 60034-5<br>Shaft bushing IP65 EN/IEC 60034-5<br>Housing IP67 EN/IEC 60034-5            |
| Encoder type                          | Absolute multiturn 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                       | 0.77 N.m/A 248 °F (120 °C)                                                                               |
| Back emf constant                     | 48 V/krpm 68 °F (20 °C)                                                                                  |
| Number of motor poles                 | 3                                                                                                        |
| Rotor inertia                         | 0.482 kg.cm <sup>2</sup>                                                                                 |
| Stator resistance                     | 4.2 Ohm                                                                                                  |
| Stator inductance                     | 29.65 mH                                                                                                 |
| Maximum radial force Fr               | 710 N 1000 rpm<br>560 N 2000 rpm<br>490 N 3000 rpm<br>450 N 4000 rpm<br>410 N 5000 rpm<br>390 N 6000 rpm |
| Maximum axial force Fa                | 80 N                                                                                                     |
| Type of cooling                       | Natural convection                                                                                       |
| Length                                | 8.37 in (212.5 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                            | 6.61 lb(US) (3 kg)                                                                                       |

## Packing Units

|                              |                      |
|------------------------------|----------------------|
| Unit Type of Package 1       | PCE                  |
| Number of Units in Package 1 | 1                    |
| Package 1 Weight             | 7.94 lb(US) (3.6 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 |
|----------|-----------|