



## Main

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

## Complementary





|                           |   |
|---------------------------|---|
| Maximum mechanical speed  | 4000 rpm  |
| [Us] rated supply voltage | 115...480 V   |
| Network number of phases  | Three phase   |
| Continuous stall current  | 17.6 A  |
| Continuous stall torque   | 27.8 N.m at 115...480 V three phase   |
| Continuous power          | 4100 W  |
| Peak stall torque         | 90.2 N.m at 115...480 V three phase   |
| Nominal output power      | 1940 W at 115 V single phase<br>3330 W at 230 V single phase<br>4050 W at 400 V three phase<br>3430 W at 480 V three phase        |
| Nominal torque            | 24.7 N.M at 115 V single phase<br>21.2 N.M at 230 V single phase<br>12.9 N.M at 400 V three phase<br>9.1 N.m at 480 V three phase |
| Nominal speed             | 750 rpm at 115 V single phase<br>1500 rpm at 230 V single phase<br>3000 rpm at 400 V three phase<br>3600 rpm at 480 V three phase |
| Maximum current Irms      | 61 A  |
| Shaft end                 | Smooth shaft  |
| Shaft diameter            | 24 mm   |
| Shaft length              | 50 mm   |
| IP degree of protection   | IP65 motor: conforming to IEC 60034-5<br>IP65 shaft bushing: conforming to IEC 60034-5  |
| Encoder type              | Absolute single turn SinCos Hiperface   |
| Speed feedback resolution | 128 periods   |
| Holding brake             | With  |
| Holding torque            | 36 N.m  |
| Mounting support          | International standard flange   |
| Motor flange size         | 140 mm  |
| Electrical connection     | Rotatable right angled connector  |
| Torque constant           | 1.58 N.m/A at 120 °C  |
| Back emf constant         | 105 V/krpm at 20 °C   |
| Number of motor poles     | 5   |

|                                       |  |
|---------------------------------------|--|
| Rotor inertia                         | 23.44 kg.cm <sup>2</sup>                                       |
| Stator resistance                     | 0.4 Ohm  |
| Stator inductance                     | 7.72 mH  |
| Maximum radial force Fr               | 2420 N at 1000 rpm<br>1920 N at 2000 rpm<br>1670 N at 3000 rpm |
| Maximum axial force Fa                | 300 N  |
| Type of cooling                       | Natural convection   |
| Length                                | 365.5 mm   |
| Centring collar diameter              | 130 mm   |
| Centring collar depth                 | 3.5 mm   |
| Number of mounting holes              | 4  |
| Mounting holes diameter               | 11 mm  |
| Circle diameter of the mounting holes | 165 mm   |
| Net weight                            | 23.1 kg  |

## Packing Units

|                              |         |
|------------------------------|---------|
| Unit Type of Package 1       | PCE     |
| Number of Units in Package 1 | 1       |
| Package 1 Height             | 26.0 cm |
| Package 1 Width              | 20.0 cm |
| Package 1 Length             | 59.0 cm |
| Package 1 Weight             | 25.1 kg |

## 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)  |
| Mercury free               | Yes   |
| China RoHS Regulation      |  <a href="#">China RoHS Declaration</a>        |
| RoHS exemption information |  <a href="#">Yes</a>                           |
| Environmental Disclosure   |  <a href="#">Product Environmental Profile</a> |
| Circularity Profile        | No need of specific recycling operations  |
| 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 |
|----------|-----------|