



## Main

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

## Complementary

|                           |                                                                                                                                                                                    |
|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Maximum mechanical speed  | 3800 rpm                                                                                                                                                                           |
| [Us] rated supply voltage | 115...480 V                                                                                                                                                                        |
| Network number of phases  | Three phase                                                                                                                                                                        |
| Continuous stall current  | 21 A                                                                                                                                                                               |
| Continuous stall torque   | 326.59 lbf.in (36.9 N.m) 115...480 V three phase                                                                                                                                   |
| Continuous power          | 5500 W                                                                                                                                                                             |
| Peak stall torque         | 973.58 lbf.in (110 N.m) 115...480 V three phase                                                                                                                                    |
| Nominal output power      | 2510 W 115 V three phase<br>4240 W 230 V three phase<br>5500 W 400 V three phase<br>5200 W 480 V three phase                                                                       |
| Nominal torque            | 282.34 lbf.in (31.9 N.m) 115 V three phase<br>238.97 lbf.in (27 N.m) 230 V three phase<br>154.89 lbf.in (17.5 N.m) 400 V three phase<br>122.14 lbf.in (13.8 N.m) 480 V three phase |
| Nominal speed             | 750 rpm 115 V three phase<br>1500 rpm 230 V three phase<br>3000 rpm at 400 V three phase<br>3600 rpm at 480 V three phase                                                          |
| Maximum current Irms      | 87.2 A                                                                                                                                                                             |
| Shaft end                 | Parallel key                                                                                                                                                                       |
| Shaft diameter            | 1.50 in (38 mm)                                                                                                                                                                    |
| Shaft length              | 3.15 in (80 mm)                                                                                                                                                                    |

|                                       |                                                                                                                                            |
|---------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| Key width                             | 0.39 in (10 mm)                                                                                                                            |
| IP degree of protection               | IP54 shaft bushing without shaft seal ring: conforming to EN/IEC 60034-5<br>Motor IP65 EN/IEC 60034-5<br>Shaft bushing IP65 EN/IEC 60034-5 |
| Encoder type                          | Absolute single turn SinCos Hiperface                                                                                                      |
| Speed feedback resolution             | 128 periods                                                                                                                                |
| Holding brake                         | Without                                                                                                                                    |
| Mounting support                      | International standard flange                                                                                                              |
| Motor flange size                     | 8.07 in (205 mm)                                                                                                                           |
| Torque constant                       | 1.6 N.m/A 248 °F (120 °C)                                                                                                                  |
| Back emf constant                     | 104 V/krpm at 20 °C                                                                                                                        |
| Number of motor poles                 | 5                                                                                                                                          |
| Rotor inertia                         | 71.4 kg.cm <sup>2</sup>                                                                                                                    |
| Stator resistance                     | 0.3 Ohm                                                                                                                                    |
| Stator inductance                     | 8.7 mH                                                                                                                                     |
| Maximum radial force Fr               | 3730 N 1000 rpm<br>2960 N 2000 rpm<br>2580 N 3000 rpm                                                                                      |
| Maximum axial force Fa                | 740 N                                                                                                                                      |
| Type of cooling                       | Natural convection                                                                                                                         |
| Length                                | 12.64 in (321 mm)                                                                                                                          |
| Centring collar diameter              | 7.09 in (180 mm)                                                                                                                           |
| Centring collar depth                 | 0.16 in (4 mm)                                                                                                                             |
| Number of mounting holes              | 4                                                                                                                                          |
| Mounting holes diameter               | 0.55 in (14 mm)                                                                                                                            |
| Circle diameter of the mounting holes | 8.46 in (215 mm)                                                                                                                           |
| Net weight                            | 77.16 lb(US) (35 kg)                                                                                                                       |

## Packing Units

|                              |                        |
|------------------------------|------------------------|
| Unit Type of Package 1       | PCE                    |
| Number of Units in Package 1 | 1                      |
| Package 1 Weight             | 84.22 lb(US) (38.2 kg) |
| Package 1 Height             | 16.14 in (41 cm)       |
| Package 1 width              | 12.20 in (31 cm)       |
| Package 1 Length             | 23.43 in (59.5 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 |
|----------|-----------|