



Main

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

Complementary

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|---------------------------|--|
| Maximum mechanical speed | 3800 rpm |
| [Us] rated supply voltage | 115...480 V |
| Network number of phases | Three phase |
| Continuous stall current | 33.2 A |
| Continuous stall torque | 835.51 lbf.in (94.4 N.m) 115...480 V three phase |
| Continuous power | 10600 W |
| Peak stall torque | 2920.74 lbf.in (330 N.m) 115...480 V three phase |
| Nominal output power | 4450 W 115 V three phase 7790 W 230 V three phase 10620 W 400 V three phase 10100 W 480 V three phase |
| Nominal torque | 751.43 lbf.in (84.9 N.m) 115 V three phase 658.49 lbf.in (74.4 N.m) 230 V three phase 448.73 lbf.in (50.7 N.m) 400 V three phase 355.80 lbf.in (40.2 N.m) 480 V three phase |
| Nominal speed | 500 rpm 115 V three phase 1000 rpm 230 V three phase 2000 rpm 400 V three phase 2400 rpm 480 V three phase |
| Maximum current Irms | 136.1 A |
| Shaft end | Smooth shaft |
| Shaft diameter | 1.50 in (38 mm) |
| Shaft length | 3.15 in (80 mm) |

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications.

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| IP degree of protection | IP54 shaft bushing without shaft seal ring: conforming to EN/IEC 60034-5 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 | 708.06 lbf.in (80 N.m) |
| Mounting support | International standard flange |
| Motor flange size | 8.07 in (205 mm) |
| Torque constant | 2.76 N.m/A at 120 °C |
| Back emf constant | 172 V/krpm at 20 °C |
| Number of motor poles | 5 |
| Rotor inertia | 206 kg.cm ² |
| Stator resistance | 0.2 Ohm |
| Stator inductance | 6.3 mH |
| Maximum radial force Fr | 4500 N at 1000 rpm 3570 N at 2000 rpm 3120 N at 3000 rpm |
| Maximum axial force Fa | 740 N |
| Type of cooling | Natural convection |
| Length | 21.20 in (538.5 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 | 155.65 lb(US) (70.6 kg) |

Packing Units

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|------------------------------|-------------------------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Weight | 168.87 lb(US) (76.6 kg) |
| Package 1 Height | 16.14 in (41 cm) |
| Package 1 width | 12.20 in (31 cm) |
| Package 1 Length | 28.35 in (72 cm) |

Offer Sustainability

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|----------------------------|---|
| Sustainable offer status | Green Premium product |
| REACH Regulation | REACH Declaration |
| EU RoHS Directive | Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration |
| Mercury free | Yes |
| RoHS exemption information | Yes |
| China RoHS Regulation | China RoHS declaration |
| Environmental Disclosure | Product Environmental Profile |
| 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

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| Warranty | 18 months |
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