



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 | 4000 rpm |
| [Us] rated supply voltage | 115...480 V |
| Network number of phases | Three phase |
| Continuous stall current | 17.6 A |
| Continuous stall torque | 246.05 lbf.in (27.8 N.m) 115...480 V three phase |
| Peak stall torque | 798.34 lbf.in (90.2 N.m) 115...480 V three phase |
| Nominal output power | 1940 W 115 V three phase 3330 W 230 V three phase 4050 W 400 V three phase 3430 W 480 V three phase |
| Nominal torque | 218.61 lbf.in (24.7 N.m) 115 V three phase 187.64 lbf.in (21.2 N.m) 230 V three phase 114.17 lbf.in (12.9 N.m) 400 V three phase 80.54 lbf.in (9.1 N.m) 480 V three phase |
| Nominal speed | 750 rpm 115 V three phase 1500 rpm 230 V three phase 3000 rpm at 400 V three phase 3600 rpm at 480 V three phase |
| Maximum current Irms | 61 A |
| Shaft end | Parallel key |
| Shaft diameter | 0.94 in (24 mm) |
| Shaft length | 1.97 in (50 mm) |
| Key width | 0.31 in (8 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 | 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 | Without |
| Mounting support | International standard flange |
| Motor flange size | 5.51 in (140 mm) |
| Torque constant | 1.58 N.m/A 248 °F (120 °C) |
| Back emf constant | 105 V/krpm at 20 °C |
| Number of motor poles | 5 |
| Rotor inertia | 17.94 kg.cm ² |
| Stator resistance | 0.4 Ohm |
| Stator inductance | 7.72 mH |
| Maximum radial force Fr | 2420 N at 1000 rpm 1920 N at 2000 rpm 1670 N at 3000 rpm |
| Maximum axial force Fa | 300 N |
| Type of cooling | Natural convection |
| Length | 12.89 in (327.5 mm) |
| Centring collar diameter | 5.12 in (130 mm) |
| Centring collar depth | 0.14 in (3.5 mm) |
| Number of mounting holes | 4 |
| Mounting holes diameter | 0.43 in (11 mm) |
| Circle diameter of the mounting holes | 6.50 in (165 mm) |
| Net weight | 46.96 lb(US) (21.3 kg) |

Packing Units

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| Package 1 Weight | 46.86 lb(US) (21.255 kg) |
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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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