



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 |
| Phase | 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 single phase 4240 W 230 V single phase 5500 W 400 V three phase 5200 W 480 V three phase |
| Nominal torque | 282.34 Lbf.In (31.9 N.m) 115 V single phase 238.97 Lbf.In (27 N.m) 230 V single phase 154.89 Lbf.In (17.5 N.m) 400 V three phase 122.14 lbf.in (13.8 N.m) 480 V three phase |
| Nominal speed | 750 rpm 115 V single phase 1500 rpm 230 V single phase 3000 rpm 400 V three phase 3600 rpm 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 | 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 | 8.07 in (205 mm) |
| Electrical Connection | Straight connector |
| Torque constant | 1.6 N.m/A 248 °F (120 °C) |
| Back emf constant | 104 V/krpm 68 °F (20 °C) |
| Number of motor poles | 5 |
| Rotor inertia | 71.4 kg.cm² |

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|---------------------------------------|---|
| Stator resistance | 0.3 Ohm |
| Stator inductance | 8.7 mH |
| Maximum radial force Fr | 3730 N 1000 rpm 2960 N 2000 rpm 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) |





Ordering and shipping details

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|-------------------|------------------------------|
| Category | 18359-PACDRIVE3 SERVO MOTORS |
| Discount Schedule | PC52 |
| GTIN | 3606481973276 |
| Returnability | No |

Packing Units

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|------------------------------|--------------------------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Weight | 77.00 lb(US) (34.927 kg) |

Offer Sustainability

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|----------------------------|---|
| Sustainable offer status | Green Premium product |
| California proposition 65 | WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov |
| REACH Regulation |  REACH Declaration |
| EU RoHS Directive | Pro-active compliance (Product out of EU RoHS legal scope) |
| Mercury free | Yes |
| China RoHS Regulation |  China RoHS Declaration |
| RoHS exemption information |  Yes |
| Environmental Disclosure |  Product Environmental Profile |
| 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

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| Warranty | 18 months |
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