



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 |
| Phase | Three phase |
| Continuous stall current | 25.7 A |
| Continuous stall torque | 574.41 lbf.in (64.9 N.m) 115...480 V three phase |
| Continuous power | 7900 W |
| Peak stall torque | 1947.16 lbf.in (220 N.m) 115...480 V three phase |
| Nominal output power | 3230 W 115 V single phase 5860 W 230 V single phase 7980 W 400 V three phase 7140 W 480 V three phase |
| Nominal torque | 545.21 Lbf.In (61.6 N.m) 115 V single phase 495.64 Lbf.In (56 N.m) 230 V single phase 337.21 Lbf.In (38.1 N.m) 400 V three phase 251.36 lbf.in (28.4 N.m) 480 V three phase |
| Nominal speed | 500 rpm 115 V single phase 1000 rpm 230 V single phase 2000 rpm 400 V three phase 2400 rpm 480 V three phase |
| Maximum current Irms | 96.8 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 IEC 60034-5 Shaft bushing IP65 IEC 60034-5 |
| Encoder type | Absolute multiturn 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) |
| Electrical Connection | Straight connector |
| Torque constant | 2.58 N.m/A 248 °F (120 °C) |
| Back emf constant | 161 V/krpm 68 °F (20 °C) |
| Number of motor poles | 5 |

| | |
|---------------------------------------|---|
| Rotor inertia | 145 kg.cm ² |
| Stator resistance | 0.3 Ohm |
| Stator inductance | 8.2 mH |
| Maximum radial force Fr | 4200 N 1000 rpm 3330 N 2000 rpm 2910 N 3000 rpm |
| Maximum axial force Fa | 740 N |
| Type of cooling | Natural convection |
| Length | 17.89 in (454.5 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 | 118.17 lb(US) (53.6 kg) |

Ordering and shipping details

| | |
|-------------------|------------------------------|
| Category | 18359-PACDRIVE3 SERVO MOTORS |
| Discount Schedule | PC52 |
| GTIN | 3606481973597 |
| Returnability | No |

Packing Units

| | |
|------------------------------|---------------------------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Weight | 110.00 lb(US) (49.895 kg) |

Offer Sustainability

| | |
|----------------------------|---|
| 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

| | |
|----------|-----------|
| Warranty | 18 months |
|----------|-----------|