



## Main

|                           |             |
|---------------------------|-------------|
| Range Compatibility       | PacDrive 3  |
| Product or Component Type | Servo motor |
| Device short name         | SH3.....P   |

## Complementary

|                           |  |
|---------------------------|--|
| Maximum mechanical speed  | 6000 rpm   |
| [Us] rated supply voltage | 115...480 V  |
| Phase                     | Three phase  |
| Continuous stall current  | 3.5 A  |
| Continuous stall torque   | 26.02 lbf.in (2.94 N.m) 115...480 V three phase  |
| Continuous power          | 1190 W   |
| Peak stall torque         | 84.97 lbf.in (9.6 N.m) 115...480 V three phase   |
| Nominal output power      | 410 W 115 V single phase<br>790 W 230 V single phase<br>1410 W 400 V three phase<br>1630 W 480 V three phase   |
| Nominal torque            | 25.76 Lbf.In (2.91 N.m) 115 V single phase<br>23.37 Lbf.In (2.64 N.m) 230 V single phase<br>20.09 Lbf.In (2.27 N.m) 400 V three phase<br>20.09 lbf.in (2.27 N.m) 480 V three phase |
| Nominal speed             | 1250 rpm 115 V single phase<br>2500 rpm 230 V single phase<br>5000 rpm 400 V three phase<br>6000 rpm 480 V three phase   |
| Maximum current Irms      | 12 A   |
| Shaft end                 | Smooth shaft   |
| Shaft diameter            | 0.75 in (19 mm)  |
| Shaft length              | 1.57 in (40 mm)  |
| IP degree of protection   | Motor IP65 EN/IEC 60034-5<br>Shaft bushing IP65 EN/IEC 60034-5   |
| Encoder type              | Absolute multiturn SinCos Hiperface  |
| Speed feedback resolution | 128 periods  |
| Holding brake             | With   |
| Holding torque            | 79.66 lbf.in (9 N.m)   |
| Mounting Support          | International standard flange  |
| Motor flange size         | 3.94 in (100 mm)   |
| Electrical Connection     | Rotatable right angled connector   |
| Torque constant           | 0.84 N.m/A 248 °F (120 °C)   |
| Back emf constant         | 60 V/krpm 68 °F (20 °C)  |
| Number of motor poles     | 4  |
| Rotor inertia             | 2.018 kg.cm <sup>2</sup>   |

|                                       |  |
|---------------------------------------|--|
| Stator resistance                     | 3.8 Ohm  |
| Stator inductance                     | 27.15 mH   |
| Maximum radial force Fr               | 900 N 1000 rpm<br>720 N 2000 rpm<br>630 N 3000 rpm<br>570 N 4000 rpm<br>530 N 5000 rpm |
| Maximum axial force Fa                | 160 N  |
| Type of cooling                       | Natural convection   |
| Length                                | 7.85 in (199.5 mm)   |
| Centring collar diameter              | 3.74 in (95 mm)  |
| Centring collar depth                 | 0.14 in (3.5 mm)   |
| Number of mounting holes              | 4  |
| Mounting holes diameter               | 0.35 in (9.0 mm)   |
| Circle diameter of the mounting holes | 4.53 in (115 mm)   |
| Net Weight                            | 10.58 lb(US) (4.8 kg)  |

### Ordering and shipping details

|                   |                              |
|-------------------|------------------------------|
| Category          | 18359-PACDRIVE3 SERVO MOTORS |
| Discount Schedule | PC52                         |
| GTIN              | 3606485296494                |
| Returnability     | No                           |

### Packing Units

|                              |                       |
|------------------------------|-----------------------|
| Unit Type of Package 1       | PCE                   |
| Number of Units in Package 1 | 1                     |
| Package 1 Height             | 8.27 in (21.0 cm)     |
| Package 1 Width              | 7.09 in (18.0 cm)     |
| Package 1 Length             | 14.02 in (35.6 cm)    |
| Package 1 Weight             | 12.57 lb(US) (5.7 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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a> |
| REACH Regulation           | <a href="#">REACH Declaration</a>   |
| EU RoHS Directive          | Pro-active compliance (Product out of EU RoHS legal scope)  |
| Mercury free               | Yes   |
| China RoHS Regulation      | <a href="#">China RoHS Declaration</a>  |
| RoHS exemption information | <a href="#">Yes</a>   |
| Environmental Disclosure   | <a href="#">Product Environmental Profile</a>   |
| 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 |
|----------|-----------|