



## 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  | 4.8 A  |
| Continuous stall torque   | 51.33 lbf.in (5.8 N.m) 115...480 V three phase   |
| Continuous power          | 1900 W   |
| Peak stall torque         | 161.97 lbf.in (18.3 N.m) 115...480 V three phase   |
| Nominal output power      | 580 W 115 V single phase<br>1090 W 230 V single phase<br>1930 W 400 V three phase<br>2210 W 480 V three phase  |
| Nominal torque            | 48.68 lbf.in (5.5 N.m) 115 V single phase<br>46.02 lbf.in (5.2 N.m) 230 V single phase<br>40.71 lbf.in (4.6 N.m) 400 V three phase<br>38.94 lbf.in (4.4 N.m) 480 V three phase |
| Nominal speed             | 1000 rpm 115 V single phase<br>2000 rpm 230 V single phase<br>4000 rpm 400 V three phase<br>4800 rpm 480 V three phase   |
| Maximum current Irms      | 17.1 A   |
| Shaft end                 | Parallel key   |
| Shaft diameter            | 0.75 in (19 mm)  |
| Shaft length              | 1.57 in (40 mm)  |
| Key width                 | 0.24 in (6 mm)   |
| IP degree of protection   | Motor IP65 IEC 60034-5<br>Shaft bushing IP65 IEC 60034-5<br>Housing IP67 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     | Straight connector   |
| Torque constant           | 1.21 N.m/A 248 °F (120 °C)   |
| Back emf constant         | 77 V/krpm 68 °F (20 °C)  |

|                                       |  |
|---------------------------------------|--|
| Number of motor poles                 | 4  |
| Rotor inertia                         | 2.928 kg.cm <sup>2</sup>   |
| Stator resistance                     | 2.4 Ohm  |
| Stator inductance                     | 19.5 mH  |
| Maximum radial force Fr               | 990 N 1000 rpm<br>790 N 2000 rpm<br>690 N 3000 rpm<br>620 N 4000 rpm |
| Maximum axial force Fa                | 160 N  |
| Type of cooling                       | Natural convection   |
| Length                                | 9.23 in (234.5 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                            | 13.89 lb(US) (6.3 kg)  |

### Ordering and shipping details

|                   |                              |
|-------------------|------------------------------|
| Category          | 18359-PACDRIVE3 SERVO MOTORS |
| Discount Schedule | PC52                         |
| GTIN              | 3606485296852                |
| 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             | 16.31 lb(US) (7.4 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 |
|----------|-----------|