



## Main

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

## Complementary

|                           |  |
|---------------------------|--|
| Maximum mechanical speed  | 4000 rpm   |
| [Us] rated supply voltage | 115...480 V  |
| Phase                     | Three phase  |
| Continuous stall current  | 17.6 A   |
| Continuous stall torque   | 246.05 lbf.in (27.8 N.m) 115...480 V three phase   |
| Continuous power          | 4100 W   |
| Peak stall torque         | 798.34 lbf.in (90.2 N.m) 115...480 V three phase   |
| Nominal output power      | 1940 W 115 V single phase<br>3330 W 230 V single phase<br>4050 W 400 V three phase<br>3430 W 480 V three phase   |
| Nominal torque            | 218.61 Lbf.In (24.7 N.m) 115 V single phase<br>187.64 Lbf.In (21.2 N.m) 230 V single phase<br>114.17 Lbf.In (12.9 N.m) 400 V three phase<br>80.54 lbf.in (9.1 N.m) 480 V three phase |
| Nominal speed             | 750 rpm 115 V single phase<br>1500 rpm 230 V single phase<br>3000 rpm 400 V three phase<br>3600 rpm 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)   |
| IP degree of protection   | Motor IP65 EN/IEC 60034-5<br>Shaft bushing IP65 EN/IEC 60034-5<br>Housing IP67 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)   |
| Electrical Connection     | Rotatable right angled connector   |
| Torque constant           | 1.58 N.m/A 248 °F (120 °C)   |
| Back emf constant         | 105 V/krpm 68 °F (20 °C)   |
| Number of motor poles     | 5  |

|                                       |   |
|---------------------------------------|---|
| Rotor inertia                         | 17.94 kg.cm <sup>2</sup>                              |
| Stator resistance                     | 0.4 Ohm   |
| Stator inductance                     | 7.72 mH   |
| Maximum radial force Fr               | 2420 N 1000 rpm<br>1920 N 2000 rpm<br>1670 N 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)                                |

## Ordering and shipping details

|                   |                              |
|-------------------|------------------------------|
| Category          | 18359-PACDRIVE3 SERVO MOTORS |
| Discount Schedule | PC52                         |
| GTIN              | 3606481972965                |
| Returnability     | No                           |

## Packing Units

|                              |                          |
|------------------------------|--------------------------|
| Unit Type of Package 1       | PCE                      |
| Number of Units in Package 1 | 1                        |
| Package 1 Weight             | 46.86 lb(US) (21.255 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 |
|----------|-----------|