



## 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  | 33.2 A   |
| Continuous stall torque   | 835.51 lbf.in (94.4 N.m) 115...480 V three phase   |
| Continuous power          | 10600 W  |
| Peak stall torque         | 2920.74 lbf.in (330 N.m) 115...480 V three phase   |
| Nominal output power      | 4450 W 115 V single phase<br>7790 W 230 V single phase<br>10620 W 400 V three phase<br>10100 W 480 V three phase   |
| Nominal torque            | 751.43 Lbf.In (84.9 N.m) 115 V single phase<br>658.49 Lbf.In (74.4 N.m) 230 V single phase<br>448.73 Lbf.In (50.7 N.m) 400 V three phase<br>355.80 lbf.in (40.2 N.m) 480 V three phase |
| Nominal speed             | 500 rpm 115 V single phase<br>1000 rpm 230 V single phase<br>2000 rpm 400 V three phase<br>2400 rpm 480 V three phase  |
| Maximum current Irms      | 136.1 A  |
| Shaft end                 | Smooth shaft   |
| Shaft diameter            | 1.50 in (38 mm)  |
| Shaft length              | 3.15 in (80 mm)  |
| IP degree of protection   | Motor IP65 IEC 60034-5<br>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           | 2.76 N.m/A 248 °F (120 °C)   |
| Back emf constant         | 172 V/krpm 68 °F (20 °C)   |
| Number of motor poles     | 5  |
| Rotor inertia             | 206 kg.cm <sup>2</sup>   |

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

|                                       |   |
|---------------------------------------|---|
| Stator resistance                     | 0.2 Ohm   |
| Stator inductance                     | 6.3 mH  |
| Maximum radial force Fr               | 4500 N 1000 rpm<br>3570 N 2000 rpm<br>3120 N 3000 rpm |
| Maximum axial force Fa                | 740 N   |
| Type of cooling                       | Natural convection                                    |
| Length                                | 21.20 in (538.5 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                            | 155.65 lb(US) (70.6 kg)                               |

## Ordering and shipping details

|                   |                              |
|-------------------|------------------------------|
| Category          | 18359-PACDRIVE3 SERVO MOTORS |
| Discount Schedule | PC52                         |
| GTIN              | 3606485470078                |
| Returnability     | No                           |

## Packing Units

|                              |                          |
|------------------------------|--------------------------|
| Unit Type of Package 1       | PCE                      |
| Number of Units in Package 1 | 1                        |
| Package 1 Height             | 15.75 in (40.0 cm)       |
| Package 1 Width              | 11.81 in (30.0 cm)       |
| Package 1 Length             | 31.30 in (79.5 cm)       |
| Package 1 Weight             | 147.40 lb(US) (66.86 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 |
|----------|-----------|