



## 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<br>5860 W 230 V single phase<br>7980 W 400 V three phase<br>7140 W 480 V three phase                                                                       |
| Nominal torque            | 545.21 Lbf.In (61.6 N.m) 115 V single phase<br>495.64 Lbf.In (56 N.m) 230 V single phase<br>337.21 Lbf.In (38.1 N.m) 400 V three phase<br>251.36 lbf.in (28.4 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      | 96.8 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 EN/IEC 60034-5<br>Shaft bushing IP65 EN/IEC 60034-5                                                                                                                       |
| Encoder type              | Absolute single turn 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     | Rotatable right angled 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.cm²                                                                                                                                                                           |

|                                       |                                                       |
|---------------------------------------|-------------------------------------------------------|
| Stator resistance                     | 0.3 Ohm                                               |
| Stator inductance                     | 8.2 mH                                                |
| Maximum radial force Fr               | 4200 N 1000 rpm<br>3330 N 2000 rpm<br>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              | 3606481973412                |
| 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 <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 |
|----------|-----------|