



## Main

|                           |                 |
|---------------------------|-----------------|
| Range Compatibility       | PacDrive 3      |
| Product or Component Type | AC servo motors |
| Device short name         | MH3             |

## Complementary

|                           |                                                                                                                                     |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| Maximum mechanical speed  | 8000 rpm                                                                                                                            |
| [Us] rated supply voltage | 115...480 V                                                                                                                         |
| Phase                     | Three phase                                                                                                                         |
| Continuous stall current  | 1.78 A                                                                                                                              |
| Continuous stall torque   | 12.39 lbf.in (1.4 N.m), 115...480 V, three phase                                                                                    |
| Continuous power          | 930 W                                                                                                                               |
| Peak stall torque         | 37.17 lbf.in (4.2 N.m), 115...480 V, three phase                                                                                    |
| Nominal output power      | 0.18 W, 115 V<br>0.42 W, 230 V<br>0.75 W, 400 V<br>0.93 W, 480 V                                                                    |
| Nominal torque            | 12.21 Lbf.in (1.38 N.m), 115 V<br>11.86 Lbf.in (1.34 N.m), 230 V<br>11.51 Lbf.in (1.3 N.m), 400 V<br>11.24 lbf.in (1.27 N.m), 480 V |
| Nominal speed             | 1250 rpm, 115 V<br>3000 rpm, 230 V<br>5500 rpm, 400 V<br>7000 rpm, 480 V                                                            |
| Maximum current Irms      | 5.97 A                                                                                                                              |
| Shaft end                 | Smooth shaft                                                                                                                        |
| Second shaft              | Without second shaft end                                                                                                            |
| Shaft diameter            | 0.43 in (11 mm)                                                                                                                     |
| Shaft length              | 0.91 in (23 mm)                                                                                                                     |
| IP Degree of Protection   | IP65 standard                                                                                                                       |
| Encoder type              | Single turn SinCos Hiperface                                                                                                        |
| Speed feedback resolution | 128 periods                                                                                                                         |
| Holding brake             | Without                                                                                                                             |
| Mounting Support          | International standard flange                                                                                                       |
| Motor flange size         | 2.76 in (70 mm)                                                                                                                     |
| Electrical Connection     | Rotatable right-angled connectors                                                                                                   |
| Torque constant           | 0.79 N.m/A 248 °F (120 °C)                                                                                                          |
| Back emf constant         | 50.72 V/krpm                                                                                                                        |
| Number of motor poles     | 10                                                                                                                                  |
| Rotor inertia             | 0.59 kg.cm <sup>2</sup>                                                                                                             |
| Stator resistance         | 8.28 Ohm                                                                                                                            |

|                                       |                                                                                                          |
|---------------------------------------|----------------------------------------------------------------------------------------------------------|
| Stator inductance                     | 23.4 mH                                                                                                  |
| Stator electrical time constant       | 2.8 ms                                                                                                   |
| Maximum radial force Fr               | 660 N 1000 rpm<br>520 N 2000 rpm<br>460 N 3000 rpm<br>410 N 4000 rpm<br>380 N 5000 rpm<br>360 N 6000 rpm |
| Type of cooling                       | Natural convection                                                                                       |
| Length                                | 4.80 in (122 mm)                                                                                         |
| Centring collar diameter              | 2.36 in (60 mm)                                                                                          |
| Centring collar depth                 | 0.10 in (2.5 mm)                                                                                         |
| Number of mounting holes              | 4                                                                                                        |
| Mounting holes diameter               | 0.22 in (5.5 mm)                                                                                         |
| Circle diameter of the mounting holes | 3.23 in (82 mm)                                                                                          |
| Net Weight                            | 3.53 lb(US) (1.6 kg)                                                                                     |

## Ordering and shipping details

|                       |                              |
|-----------------------|------------------------------|
| Category              | 18359-PACDRIVE3 SERVO MOTORS |
| Discount Schedule     | PC52                         |
| GTIN                  | 3606485394787                |
| Nbr. of units in pkg. | 1                            |
| Package weight(Lbs)   | 3.97 lb(US) (1.8 kg)         |
| Returnability         | No                           |

## Packing Units

|                        |                    |
|------------------------|--------------------|
| Unit Type of Package 1 | PCE                |
| Package 1 Height       | 4.53 in (11.5 cm)  |
| Package 1 width        | 7.48 in (19 cm)    |
| Package 1 Length       | 15.55 in (39.5 cm) |

## 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) <a href="#">EU RoHS Declaration</a>                                                                                                                                                                                              |
| Mercury free               | Yes                                                                                                                                                                                                                                                                                         |
| RoHS exemption information | <a href="#">Yes</a>                                                                                                                                                                                                                                                                         |
| China RoHS Regulation      | <a href="#">China RoHS Declaration</a>                                                                                                                                                                                                                                                      |
| Environmental Disclosure   | <a href="#">Product Environmental Profile</a>                                                                                                                                                                                                                                               |
| WEEE                       | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.                                                                                                                                                                |
| PVC free                   | Yes                                                                                                                                                                                                                                                                                         |