



## 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  |
| Network number of phases  | Three phase  |
| Continuous stall current  | 2.94 A   |
| Continuous stall torque   | 2.48 N.m, 115...480 V, three phase                                       |
| Continuous power          | 1380 W   |
| Peak stall torque         | 7.4 N.m, 115...480 V, three phase  |
| Nominal output power      | 0.31 W, 115 V<br>0.7 W, 230 V<br>1.16 W, 400 V<br>1.38 W, 480 V          |
| Nominal torque            | 2.37 N.m, 115 V<br>2.23 N.m, 230 V<br>2.01 N.m, 400 V<br>1.89 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      | 9.68 A   |
| Shaft end                 | Smooth shaft   |
| Second shaft              | Without second shaft end   |
| Shaft diameter            | 11 mm  |
| Shaft length              | 23 mm  |
| IP degree of protection   | IP65 standard  |

Disclaimer: 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

|                                       |  |
|---------------------------------------|--|
| Encoder type                          | Single turn SinCos Hiperface   |
| Speed feedback resolution             | 16 periods   |
| Holding brake                         | Without  |
| Mounting support                      | International standard flange  |
| Motor flange size                     | 70 mm  |
| Electrical connection                 | Rotatable right-angled connectors  |
| Torque constant                       | 0.84 N.m/A at 120 °C   |
| Back emf constant                     | 54.08 V/krpm   |
| Number of motor poles                 | 10   |
| Rotor inertia                         | 1.13 kg.cm <sup>2</sup>  |
| Stator resistance                     | 3.84 Ohm   |
| Stator inductance                     | 12.19 mH   |
| Stator electrical time constant       | 3.2 ms   |
| Maximum radial force Fr               | 710 N at 1000 rpm<br>560 N at 2000 rpm<br>490 N at 3000 rpm<br>450 N at 4000 rpm<br>410 N at 5000 rpm<br>390 N at 6000 rpm |
| Type of cooling                       | Natural convection   |
| Length                                | 154 mm   |
| Centring collar diameter              | 60 mm  |
| Centring collar depth                 | 2.5 mm   |
| Number of mounting holes              | 4  |
| Mounting holes diameter               | 5.5 mm   |
| Circle diameter of the mounting holes | 82 mm  |
| Product weight                        | 2.3 kg   |

## Offer Sustainability

|                            |   |
|----------------------------|---|
| Sustainable offer status   | Green Premium product   |
| EU RoHS Directive          | Pro-active compliance (Product out of EU RoHS legal scope)<br><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>   |
| 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 |

## Contractual warranty

|          |           |
|----------|-----------|
| Warranty | 18 months |
|----------|-----------|