



### Main

|                           |                 |
|---------------------------|-----------------|
| Range compatibility       | PacDrive 3      |
| Product or component type | AC servo motors |
| Device short name         | MH3             |

### Complementary

|                           |                                                                          |
|---------------------------|--------------------------------------------------------------------------|
| Maximum mechanical speed  | 6000 rpm                                                                 |
| [Us] rated supply voltage | 115...480 V                                                              |
| Network number of phases  | Three phase                                                              |
| Continuous stall current  | 7.69 A                                                                   |
| Continuous stall torque   | 9 N.m, 115...480 V, three phase                                          |
| Continuous power          | 3270 W                                                                   |
| Peak stall torque         | 27 N.m, 115...480 V, three phase                                         |
| Nominal output power      | 0.88 W, 115 V<br>2 W, 230 V<br>2.85 W, 400 V<br>3.27 W, 480 V            |
| Nominal torque            | 8.45 N.m, 115 V<br>7.63 N.m, 230 V<br>6.8 N.m, 400 V<br>6.25 N.m, 480 V  |
| Nominal speed             | 2500 rpm, 230 V<br>1000 rpm, 115 V<br>4000 rpm, 400 V<br>5000 rpm, 480 V |
| Maximum current Irms      | 26.71 A                                                                  |
| Shaft end                 | Smooth shaft                                                             |
| Second shaft              | Without second shaft end                                                 |
| Shaft diameter            | 19 mm                                                                    |
| Shaft length              | 40 mm                                                                    |
| IP degree of protection   | IP65 standard                                                            |

|                                       |                                                                                                        |
|---------------------------------------|--------------------------------------------------------------------------------------------------------|
| Encoder type                          | Single turn SinCos Hiperface                                                                           |
| Speed feedback resolution             | 128 periods                                                                                            |
| Holding brake                         | With                                                                                                   |
| Holding torque                        | 9 N.m                                                                                                  |
| Mounting support                      | International standard flange                                                                          |
| Motor flange size                     | 100 mm                                                                                                 |
| Electrical connection                 | Rotatable right-angled connectors                                                                      |
| Torque constant                       | 1.17 N.m/A at 120 °C                                                                                   |
| Back emf constant                     | 77.95 V/krpm                                                                                           |
| Number of motor poles                 | 10                                                                                                     |
| Rotor inertia                         | 10.3 kg.cm <sup>2</sup>                                                                                |
| Stator resistance                     | 1.08 Ohm                                                                                               |
| Stator inductance                     | 5.23 mH                                                                                                |
| Stator electrical time constant       | 6.3 ms                                                                                                 |
| Maximum radial force Fr               | 1050 N at 1000 rpm<br>830 N at 2000 rpm<br>730 N at 3000 rpm<br>660 N at 4000 rpm<br>610 N at 5000 rpm |
| Brake pull-in power                   | 18 W                                                                                                   |
| Type of cooling                       | Natural convection                                                                                     |
| Length                                | 234.3 mm                                                                                               |
| Centring collar diameter              | 95 mm                                                                                                  |
| Centring collar depth                 | 3.5 mm                                                                                                 |
| Number of mounting holes              | 4                                                                                                      |
| Mounting holes diameter               | 9 mm                                                                                                   |
| Circle diameter of the mounting holes | 115 mm                                                                                                 |
| Product weight                        | 8.15 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 |
|----------|-----------|