

### Main


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

### Complementary

|                           |   |
|---------------------------|---|
| Maximum mechanical speed  | 4000 rpm  |
| [Us] rated supply voltage | 115...480 V   |
| Network number of phases  | Three phase   |
| Continuous stall current  | 16.83 A   |
| Continuous stall torque   | 18.5 N.m at 115...480 V three phase   |
| Continuous power          | 3730 W  |
| Peak stall torque         | 55.5 N.m at 115...480 V three phase   |
| Nominal output power      | 1.71 W at 115 V<br>2.93 W at 230 V<br>3.73 W at 400 V<br>3.73 W at 480 V          |
| Nominal torque            | 16.34 N.m at 115 V<br>14 N.m at 230 V<br>10.17 N.m at 400 V<br>10.17 N.m at 480 V |
| Nominal speed             | 1000 rpm at 115 V<br>2000 rpm at 230 V<br>3500 rpm at 400 V<br>3500 rpm at 480 V  |
| Maximum current Irms      | 57.42 A   |
| Shaft end                 | Smooth shaft  |
| Second shaft              | Without second shaft end  |
| Shaft diameter            | 24 mm   |
| Shaft length              | 50 mm   |
| IP degree of protection   | IP65 (standard)   |

|                                       |  |
|---------------------------------------|--|
| Encoder type                          | Multiturn SinCos Hiperface                                     |
| Speed feedback resolution             | 16 periods   |
| Holding brake                         | With   |
| Holding torque                        | 18 N.m   |
| Mounting support                      | International standard flange                                  |
| Motor flange size                     | 140 mm   |
| Electrical connection                 | Rotatable right-angled connectors                              |
| Torque constant                       | 1.1 N.m/A at 120 °C  |
| Back emf constant                     | 70.7 V/krpm  |
| Number of motor poles                 | 10   |
| Rotor inertia                         | 33.5 kg.cm <sup>2</sup>  |
| Stator resistance                     | 0.23 Ohm   |
| Stator inductance                     | 2.99 mH  |
| Stator electrical time constant       | 13 ms  |
| Maximum radial force Fr               | 2240 N at 1000 rpm<br>1780 N at 2000 rpm<br>1550 N at 3000 rpm |
| Brake pull-in power                   | 18 W   |
| Type of cooling                       | Natural convection   |
| Length                                | 227 mm   |
| Centring collar diameter              | 130 mm   |
| Centring collar depth                 | 3.5 mm   |
| Number of mounting holes              | 4  |
| Mounting holes diameter               | 11 mm  |
| Circle diameter of the mounting holes | 165 mm   |
| Product weight                        | 14.3 kg  |
| Sizing reference                      | MH31402P   |
| Temperature copper hot                | 135 °C   |

## Offer Sustainability

|                                  |   |
|----------------------------------|---|
| Sustainable offer status         | Green Premium product   |
| RoHS (date code: YYWW)           | Compliant - since 1328 - Schneider Electric declaration of conformity<br> <a href="#">Schneider Electric declaration of conformity</a> |
| REACH                            | Reference not containing SVHC above the threshold<br><a href="#">Reference not containing SVHC above the threshold</a>  |
| Product environmental profile    | Available   |
| Product end of life instructions | Need no specific recycling operations   |