



### 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  | 18 A  |
| Continuous stall torque   | 24 N.m at 115...480 V three phase   |
| Continuous power          | 4750 W  |
| Peak stall torque         | 75 N.m at 115...480 V three phase   |
| Nominal output power      | 1.78 W at 115 V<br>3.55 W at 230 V<br>4.75 W at 400 V<br>4.75 W at 480 V            |
| Nominal torque            | 22.17 N.m at 115 V<br>19.3 N.m at 230 V<br>13.06 N.m at 400 V<br>13.06 N.m at 480 V |
| Nominal speed             | 3500 rpm at 400 V<br>3500 rpm at 480 V<br>750 rpm at 115 V<br>1750 rpm at 230 V     |
| Maximum current Irms      | 62.32 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             | 128 periods  |
| Holding brake                         | With   |
| Holding torque                        | 23 N.m   |
| Mounting support                      | International standard flange                                  |
| Motor flange size                     | 140 mm   |
| Electrical connection                 | Rotatable right-angled connectors                              |
| Torque constant                       | 1.33 N.m/A at 120 °C   |
| Back emf constant                     | 85.9 V/krpm  |
| Number of motor poles                 | 10   |
| Rotor inertia                         | 50.27 kg.cm <sup>2</sup>                                       |
| Stator resistance                     | 0.22 Ohm   |
| Stator inductance                     | 3 mH   |
| Stator electrical time constant       | 13.6 ms  |
| Maximum radial force Fr               | 1670 N at 3000 rpm<br>2420 N at 1000 rpm<br>1920 N at 2000 rpm |
| Brake pull-in power                   | 19 W   |
| Type of cooling                       | Natural convection   |
| Length                                | 267 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                        | 18.5 kg  |
| Sizing reference                      | MH31403P   |
| 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   |