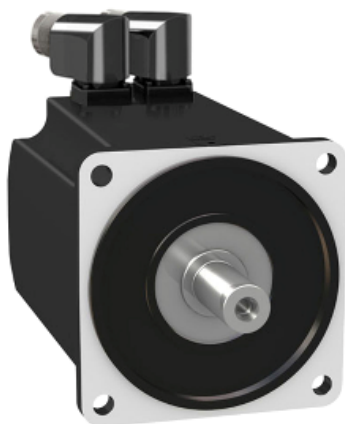




## Main

|                           |                 |
|---------------------------|-----------------|
| 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, 115...480 V, three phase                                            |
| Continuous power          | 4750 W                                                                      |
| Peak stall torque         | 75 N.m, 115...480 V, three phase                                            |
| Nominal output power      | 1.78 W, 115 V<br>3.55 W, 230 V<br>4.75 W, 400 V<br>4.75 W, 480 V            |
| Nominal torque            | 22.17 N.m, 115 V<br>19.3 N.m, 230 V<br>13.06 N.m, 400 V<br>13.06 N.m, 480 V |
| Nominal speed             | 3500 rpm, 400 V<br>3500 rpm, 480 V<br>750 rpm, 115 V<br>1750 rpm, 230 V     |
| Maximum current Irms      | 62.32 A                                                                     |
| Shaft end                 | Parallel key                                                                |
| Second shaft              | Without second shaft end                                                    |
| Shaft diameter            | 24 mm                                                                       |
| Shaft length              | 50 mm                                                                       |
| Key width                 | 8 mm                                                                        |

|                                       |                                                                |
|---------------------------------------|----------------------------------------------------------------|
| IP degree of protection               | IP65 standard                                                  |
| Encoder type                          | Multiturn SinCos Hiperface                                     |
| Speed feedback resolution             | 128 periods                                                    |
| Holding brake                         | Without                                                        |
| 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                         | 47.54 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               | 2420 N at 1000 rpm<br>1920 N at 2000 rpm<br>1670 N at 3000 rpm |
| Type of cooling                       | Natural convection                                             |
| Length                                | 232 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                        | 16 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 |
|----------|-----------|