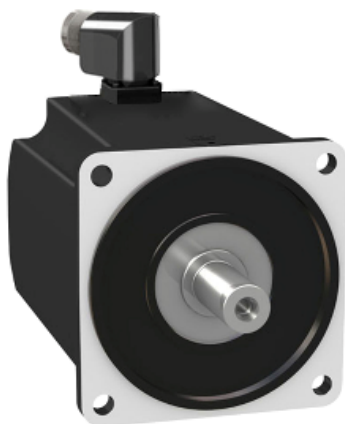




## Main

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

## Complementary

|                           |                                    |
|---------------------------|------------------------------------|
| Maximum mechanical speed  | 3800 rpm                           |
| [Us] rated supply voltage | 115...480 V                        |
| Network number of phases  | Three phase                        |
| Continuous stall current  | 36.1 A                             |
| Continuous stall torque   | 65 N.m, 115...480 V, three phase   |
| Continuous power          | 9560 W                             |
| Peak stall torque         | 330 N.m, 115...480 V, three phase  |
| Nominal output power      | 7.75 W, 400 V<br>7.75 W, 480 V     |
| Nominal torque            | 37 N.m, 400 V<br>37 N.m, 480 V     |
| Nominal speed             | 2000 rpm, 400 V<br>2000 rpm, 480 V |
| Maximum current Irms      | 124.5 A                            |
| Shaft end                 | Smooth shaft                       |
| Second shaft              | Without second shaft end           |
| Shaft diameter            | 38 mm                              |
| Shaft length              | 80 mm                              |
| IP degree of protection   | IP65 standard                      |
| Encoder type              | Single turn SinCos Hiperface       |
| Speed feedback resolution | 16 periods                         |
| Holding brake             | Without                            |
| Mounting support          | International standard flange      |

|                                       |                                                                                      |
|---------------------------------------|--------------------------------------------------------------------------------------|
| Motor flange size                     | 190 mm                                                                               |
| Electrical connection                 | Rotatable right-angled connectors                                                    |
| Torque constant                       | 1.8 N.m/A at 120 °C                                                                  |
| Back emf constant                     | 129.2 V/krpm                                                                         |
| Number of motor poles                 | 10                                                                                   |
| Rotor inertia                         | 194.1 kg.cm <sup>2</sup>                                                             |
| Stator resistance                     | 0.13 Ohm                                                                             |
| Stator inductance                     | 3.62 mH                                                                              |
| Stator electrical time constant       | 21.6 ms                                                                              |
| Maximum radial force Fr               | 3300 N at 1000 rpm<br>3250 N at 2000 rpm<br>3150 N at 3000 rpm<br>3100 N at 4000 rpm |
| Type of cooling                       | Natural convection                                                                   |
| Length                                | 310 mm                                                                               |
| Centring collar diameter              | 180 mm                                                                               |
| Centring collar depth                 | 4 mm                                                                                 |
| Number of mounting holes              | 4                                                                                    |
| Mounting holes diameter               | 14 mm                                                                                |
| Circle diameter of the mounting holes | 215 mm                                                                               |
| Product weight                        | 67 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 |
|----------|-----------|