



Main

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

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, 115...480 V, three phase |
| Continuous power | 3730 W |
| Peak stall torque | 55.5 N.m, 115...480 V, three phase |
| Nominal output power | 1.71 W, 115 V 2.93 W, 230 V 3.73 W, 400 V 3.73 W, 480 V |
| Nominal torque | 16.34 N.M for LXM52 at 14.87 mA, 115 V, 1 phase 14.0 N.M for LXM52 at 13.13 mA, 230 V, 1 phase 10.17 N.M for LXM52 at 9.76 mA, 400 V, 3 phases 10.17 N.M for LXM52 at 9.76 mA, 480 V, 3 phases 16.34 N.M for LXM62 at 14.87 mA, 115 V, 1 phase 14.0 N.M for LXM62 at 13.13 mA, 230 V, 1 phase 10.17 N.M for LXM62 at 9.76 mA, 400 V, 3 phases 10.17 N.m for LXM62 at 9.76 mA, 480 V, 3 phases |
| Nominal speed | 1000 rpm for LXM52 at 14.87 mA, 115 V, 1 phase 2000 rpm for LXM52 at 13.13 mA, 230 V, 1 phase 3500 rpm for LXM52 at 9.76 mA, 400 V, 3 phases 3500 rpm for LXM52 at 9.76 mA, 480 V, 3 phases 1000 rpm for LXM62 at 14.87 mA, 115 V, 1 phase 2000 rpm for LXM62 at 13.13 mA, 230 V, 1 phase 3500 rpm for LXM62 at 9.76 mA, 400 V, 3 phases 3500 rpm for LXM62 at 9.76 mA, 480 V, 3 phases |
| 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 |

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| 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 ² |
| 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 1780 N at 2000 rpm 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 |
| Net weight | 14.3 kg |

Packing Units

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|------------------------------|---------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 26.0 cm |
| Package 1 Width | 20.0 cm |
| Package 1 Length | 59.0 cm |
| Package 1 Weight | 13.3 kg |

Offer Sustainability

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|----------------------------|---|
| Sustainable offer status | Green Premium product |
| REACH Regulation | REACH Declaration |
| EU RoHS Directive | Pro-active compliance (Product out of EU RoHS legal scope) |
| Mercury free | Yes |
| China RoHS Regulation | China RoHS Declaration |
| RoHS exemption information | Yes |
| Environmental Disclosure | Product Environmental Profile |
| 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 |
| PVC free | Yes |