



Main

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

Complementary

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|---------------------------|---|
| 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 2.93 W at 230 V 3.73 W at 400 V 3.73 W at 480 V |
| Nominal torque | 16.34 N.m at 115 V 14 N.m at 230 V 10.17 N.m at 400 V 10.17 N.m at 480 V |
| Nominal speed | 1000 rpm at 115 V 2000 rpm at 230 V 3500 rpm at 400 V 3500 rpm at 480 V |
| Maximum current Irms | 57.42 A |
| Shaft end | Parallel key |
| Second shaft | Without second shaft end |
| Shaft diameter | 24 mm |
| Shaft length | 50 mm |
| Key width | 8 mm |

MH31402P11A2200

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|---------------------------------------|--|
| IP degree of protection | IP65 (standard) |
| Encoder type | Single turn 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 | 1.1 N.m/A at 120 °C |
| Back emf constant | 70.7 V/krpm |
| Number of motor poles | 10 |
| Rotor inertia | 32 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 |
| Type of cooling | Natural convection |
| Length | 192 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 | 12 kg |
| Sizing reference | MH31402P |
| Temperature copper hot | 135 °C |

Offer Sustainability

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