



Main

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

Complementary

| | |
|---------------------------|--|
| Maximum mechanical speed | 8000 rpm |
| [Us] rated supply voltage | 115...480 V |
| Network number of phases | Three phase |
| Continuous stall current | 3.91 A |
| Continuous stall torque | 3.4 N.m at 115...480 V three phase |
| Continuous power | 1540 W |
| Peak stall torque | 10.2 N.m at 115...480 V three phase |
| Nominal output power | 0.42 W at 115 V 0.75 W at 230 V 1.32 W at 400 V 1.54 W at 480 V |
| Nominal torque | 3.18 N.m at 115 V 2.96 N.m at 230 V 2.53 N.m at 400 V 2.26 N.m at 480 V |
| Nominal speed | 1250 rpm at 115 V 2500 rpm at 230 V 5000 rpm at 400 V 6500 rpm at 480 V |
| Maximum current Irms | 12.57 A |
| Shaft end | Smooth shaft |
| Second shaft | Without second shaft end |
| Shaft diameter | 14 mm |
| Shaft length | 30 mm |
| IP degree of protection | IP65 (standard) |

MH30703P02A2200

| | |
|---------------------------------------|--|
| Encoder type | Multiturn SinCos Hiperface |
| Speed feedback resolution | 128 periods |
| Holding brake | Without |
| Mounting support | International standard flange |
| Motor flange size | 70 mm |
| Electrical connection | Rotatable right-angled connectors |
| Torque constant | 0.87 N.m/A at 120 °C |
| Back emf constant | 55 V/krpm |
| Number of motor poles | 10 |
| Rotor inertia | 1.67 kg.cm ² |
| Stator resistance | 2.65 Ohm |
| Stator inductance | 8.64 mH |
| Stator electrical time constant | 3.2 ms |
| Maximum radial force Fr | 400 N at 6000 rpm 430 N at 5000 rpm 460 N at 4000 rpm 510 N at 3000 rpm 580 N at 2000 rpm 730 N at 1000 rpm |
| Type of cooling | Natural convection |
| Length | 186 mm |
| Centring collar diameter | 60 mm |
| Centring collar depth | 2.5 mm |
| Number of mounting holes | 4 |
| Mounting holes diameter | 5.5 mm |
| Circle diameter of the mounting holes | 82 mm |
| Product weight | 3 kg |
| Sizing reference | MH30703P |
| 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 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 |