



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	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, 115 V 14 N.m, 230 V 10.17 N.m, 400 V 10.17 N.m, 480 V
Nominal speed	1000 rpm, 115 V 2000 rpm, 230 V 3500 rpm, 400 V 3500 rpm, 480 V
Maximum current I_{rms}	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

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Encoder type	Multiturn SinCos Hiperface
Speed feedback resolution	16 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

Offer Sustainability

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

Contractual warranty

Warranty	18 months
----------	-----------