



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	8.58 A
Continuous stall torque	10.3 N.m, 115...480 V, three phase
Continuous power	2640 W
Peak stall torque	39.9 N.m, 115...480 V, three phase
Nominal output power	0.98 W, 115 V 1.78 W, 230 V 2.64 W, 400 V 2.64 W, 480 V
Nominal torque	7.63 N.m, 230 V 6.8 N.m, 400 V 6.25 N.m, 480 V 7.82 N.m, 115 V
Nominal speed	1000 rpm, 115 V 2000 rpm, 230 V 3500 rpm, 400 V 3500 rpm, 480 V
Maximum current Irms	29.8 A
Shaft end	Parallel key
Second shaft	Without second shaft end
Shaft diameter	24 mm
Shaft length	50 mm
Key width	8 mm

IP degree of protection	IP65 standard
Encoder type	Single turn SinCos Hiperface
Speed feedback resolution	128 periods
Holding brake	With
Holding torque	18 N.m
Mounting support	International standard flange
Motor flange size	140 mm
Electrical connection	Rotatable right-angled connectors
Torque constant	1.2 N.m/A at 120 °C
Back emf constant	77.41 V/krpm
Number of motor poles	10
Rotor inertia	17.96 kg.cm ²
Stator resistance	0.69 Ohm
Stator inductance	6.72 mH
Stator electrical time constant	9.7 ms
Maximum radial force Fr	1930 N at 1000 rpm 1530 N at 2000 rpm 1340 N at 3000 rpm
Brake pull-in power	18 W
Type of cooling	Natural convection
Length	187 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	10.3 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
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