



## 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	18 A
Continuous stall torque	24 N.m, 115...480 V, three phase
Continuous power	4750 W
Peak stall torque	75 N.m, 115...480 V, three phase
Nominal output power	1.78 W, 115 V 3.55 W, 230 V 4.75 W, 400 V 4.75 W, 480 V
Nominal torque	22.17 N.m, 115 V 19.3 N.m, 230 V 13.06 N.m, 400 V 13.06 N.m, 480 V
Nominal speed	3500 rpm, 400 V 3500 rpm, 480 V 750 rpm, 115 V 1750 rpm, 230 V
Maximum current Irms	62.32 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	16 periods
Holding brake	Without
Mounting support	International standard flange
Motor flange size	140 mm
Electrical connection	Rotatable right-angled connectors
Torque constant	1.33 N.m/A at 120 °C
Back emf constant	85.9 V/krpm
Number of motor poles	10
Rotor inertia	47.54 kg.cm <sup>2</sup>
Stator resistance	0.22 Ohm
Stator inductance	3 mH
Stator electrical time constant	13.6 ms
Maximum radial force Fr	2420 N at 1000 rpm 1920 N at 2000 rpm 1670 N at 3000 rpm
Type of cooling	Natural convection
Length	232 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	16 kg

### Offer Sustainability

Sustainable offer status	Green Premium product
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a>
Mercury free	Yes
RoHS exemption information	<a href="#">Yes</a>
China RoHS Regulation	<a href="#">China RoHS declaration</a>
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
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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