



## Main

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

## 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	9.36 N.M for LXM52 at 7.82 mA, 115 V, 1 phase 8.5 N.M for LXM52 at 7.3 mA, 230 V, 1 phase 7.22 N.M for LXM52 at 6.35 mA, 400 V, 3 phases 7.22 N.M for LXM52 at 6.35 mA, 480 V, 3 phases 9.36 N.M for LXM62 at 7.82 mA, 115 V, 1 phase 8.5 N.M for LXM62 at 7.3 mA, 230 V, 1 phase 7.22 N.M for LXM62 at 6.35 mA, 400 V, 3 phases 7.22 N.m for LXM62 at 6.35 mA, 480 V, 3 phases
Nominal speed	1000 rpm for LXM52 at 7.82 mA, 115 V, 1 phase 2000 rpm for LXM52 at 7.3 mA, 230 V, 1 phase 3500 rpm for LXM52 at 6.35 mA, 400 V, 3 phases 3500 rpm for LXM52 at 6.35 mA, 480 V, 3 phases 1000 rpm for LXM62 at 7.82 mA, 115 V, 1 phase 2000 rpm for LXM62 at 7.3 mA, 230 V, 1 phase 3500 rpm for LXM62 at 6.35 mA, 400 V, 3 phases 3500 rpm for LXM62 at 6.35 mA, 480 V, 3 phases
Maximum current Irms	29.8 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
Encoder type	Multiturn SinCos Hiperface
Speed feedback resolution	128 periods
Holding brake	Without
Mounting support	International standard flange
Motor flange size	140 mm

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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	16.46 kg.cm <sup>2</sup>
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
Type of cooling	Natural convection
Length	152 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
Net weight	8 kg

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	26.0 cm
Package 1 Width	20.0 cm
Package 1 Length	59.0 cm
Package 1 Weight	9.3 kg

## Offer Sustainability

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