

## 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	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 for LXM52 at 14.87 mA, 115 V, 1 phase 14.0 N.M for LXM52 at 13.13 mA, 230 V, 1 phase 10.17 N.M for LXM52 at 9.76 mA, 400 V, 3 phases 10.17 N.M for LXM52 at 9.76 mA, 480 V, 3 phases 16.34 N.M for LXM62 at 14.87 mA, 115 V, 1 phase 14.0 N.M for LXM62 at 13.13 mA, 230 V, 1 phase 10.17 N.M for LXM62 at 9.76 mA, 400 V, 3 phases 10.17 N.m for LXM62 at 9.76 mA, 480 V, 3 phases
Nominal speed	1000 rpm for LXM52 at 14.87 mA, 115 V, 1 phase 2000 rpm for LXM52 at 13.13 mA, 230 V, 1 phase 3500 rpm for LXM52 at 9.76 mA, 400 V, 3 phases 3500 rpm for LXM52 at 9.76 mA, 480 V, 3 phases 1000 rpm for LXM62 at 14.87 mA, 115 V, 1 phase 2000 rpm for LXM62 at 13.13 mA, 230 V, 1 phase 3500 rpm for LXM62 at 9.76 mA, 400 V, 3 phases 3500 rpm for LXM62 at 9.76 mA, 480 V, 3 phases
Maximum current Irms	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
Encoder type	Single turn SinCos Hiperface
Speed feedback resolution	128 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 <sup>2</sup>
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
Net weight	12 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	13.3 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