



Main

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

Complementary

Maximum mechanical speed	3800 rpm
[Us] rated supply voltage	115...480 V
Network number of phases	Three phase
Continuous stall current	23.2 A
Continuous stall torque	30 N.m, 115...480 V, three phase
Continuous power	6750 W
Peak stall torque	110 N.m, 115...480 V, three phase
Nominal output power	5.18 W, 400 V 5.18 W, 480 V
Nominal torque	16.5 N.M for LXM52 at 14.00 mA, 400 V, 3 phases 16.5 N.M for LXM52 at 14.00 mA, 480 V, 3 phases 16.5 N.M for LXM62 at 14.00 mA, 400 V, 3 phases 16.5 N.m for LXM62 at 14.00 mA, 480 V, 3 phases
Nominal speed	3000 rpm for LXM52 at 14.00 mA, 400 V, 3 phases 3000 rpm for LXM52 at 14.00 mA, 480 V, 3 phases 3000 rpm for LXM62 at 14.00 mA, 400 V, 3 phases 3000 rpm for LXM62 at 14.00 mA, 480 V, 3 phases
Maximum current Irms	89.6 A
Shaft end	Parallel key
Second shaft	Without second shaft end
Shaft diameter	38 mm
Shaft length	80 mm
Key width	10 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	190 mm
Electrical connection	Rotatable right-angled connectors
Torque constant	1.3 N.m/A at 120 °C
Back emf constant	87.6 V/krpm
Number of motor poles	10
Rotor inertia	67.7 kg.cm ²
Stator resistance	0.24 Ohm

Stator inductance	5.08 mH
Stator electrical time constant	19.7 ms
Maximum radial force Fr	2900 N at 1000 rpm 2750 N at 2000 rpm 2650 N at 3000 rpm 2600 N at 4000 rpm
Type of cooling	Natural convection
Length	190 mm
Centring collar diameter	180 mm
Centring collar depth	4 mm
Number of mounting holes	4
Mounting holes diameter	14 mm
Circle diameter of the mounting holes	215 mm
Net weight	33 kg

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	40.0 cm
Package 1 Width	30.0 cm
Package 1 Length	79.5 cm
Package 1 Weight	19.2 kg

Offer Sustainability

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