



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	With
Holding torque	18 N.m
Mounting support	International standard flange

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

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
Net weight	10.3 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	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