



Main

Range Compatibility	PacDrive 3
Device short name	MH3
Product or Component Type	AC servo motors

Complementary

Maximum mechanical speed	8000 rpm
[Us] rated supply voltage	115...480 V
Phase	Three phase
Continuous stall current	2.94 A
Continuous stall torque	21.95 lbf.in (2.48 N.m), 115...480 V, three phase
Continuous power	1380 W
Peak stall torque	65.5 lbf.in (7.4 N.m), 115...480 V, three phase
Nominal output power	0.31 W, 115 V 0.7 W, 230 V 1.16 W, 400 V 1.38 W, 480 V
Nominal torque	20.98 Lbf.in (2.37 N.m) LXM52 2.82 mA, 115 V, 1 phase 19.74 Lbf.in (2.23 N.m) LXM52 2.7 mA, 230 V, 1 phase 17.79 Lbf.in (2.01 N.m) LXM52 2.49 mA, 400 V, 3 phase 16.73 Lbf.in (1.89 N.m) LXM52 2.36 mA, 480 V, 3 phase 20.98 Lbf.in (2.37 N.m) LXM62 2.82 mA, 115 V, 1 phase 19.74 Lbf.in (2.23 N.m) LXM62 2.7 mA, 230 V, 1 phase 17.79 Lbf.in (2.01 N.m) LXM62 2.49 mA, 400 V, 3 phase 16.73 lbf.in (1.89 N.m) LXM62 2.36 mA, 480 V, 3 phase
Nominal speed	1250 rpm LXM52 2.82 mA, 115 V, 1 phase 3000 rpm LXM52 2.7 mA, 230 V, 1 phase 5500 rpm LXM52 2.49 mA, 400 V, 3 phase 7000 rpm LXM52 2.36 mA, 480 V, 3 phase 1250 rpm LXM62 2.82 mA, 115 V, 1 phase 3000 rpm LXM62 2.7 mA, 230 V, 1 phase 5500 rpm LXM62 2.49 mA, 400 V, 3 phase 7000 rpm LXM62 2.36 mA, 480 V, 3 phase
Maximum current Irms	9.68 A
Shaft end	Smooth shaft
Second shaft	Without second shaft end
Shaft diameter	0.4 in (11 mm)
Shaft length	0.9 in (23 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	2.8 in (70 mm)

Electrical Connection	Rotatable right-angled connectors
Torque constant	0.84 N.m/A 248 °F (120 °C)
Back emf constant	54.08 V/krpm
Number of motor poles	10
Rotor inertia	1.13 kg.cm ²
Stator resistance	3.84 Ohm
Stator inductance	12.19 mH
Stator electrical time constant	3.2 ms
Maximum radial force Fr	710 N 1000 rpm 560 N 2000 rpm 490 N 3000 rpm 450 N 4000 rpm 410 N 5000 rpm 390 N 6000 rpm
Type of cooling	Natural convection
Length	6.06 in (154 mm)
Centring collar diameter	2.4 in (60 mm)
Centring collar depth	0.10 in (2.5 mm)
Number of mounting holes	4
Mounting holes diameter	0.2 in (5.5 mm)
Circle diameter of the mounting holes	3.2 in (82 mm)
Net Weight	5.07 lb(US) (2.3 kg)

Ordering and shipping details

Category	US1PC5218359
Discount Schedule	PC52
GTIN	3606485395104
Returnability	No
Country of origin	US

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	4.5 in (11.5 cm)
Package 1 Width	7.5 in (19.0 cm)
Package 1 Length	15.6 in (39.5 cm)
Package 1 Weight	5.07 lb(US) (2.3 kg)

Offer Sustainability

Sustainable offer status	Green Premium product
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov
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