Product data sheet





servo motor MH3 140 19,5Nm,no key, single 16 lines, no brake, IP65/ IP67,3kRPM

MH31402P06A2200

! Discontinued on: Oct 9, 2023



Product availability: Non-Stock - Not normally stocked in distribution facility

Main

Range Compatibility	PacDrive 3
Product Or Component Type	AC servo motors
Device Short Name	MH3

Complementary

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Maximum Mechanical Speed	4000 rpm
[Us] Rated Supply Voltage	115480 V
Phase	Three phase
Continuous Stall Current	16.83 A
Continuous Stall Torque	163.74 lbf.in (18.5 N.m), 115480 V, three phase
Continuous Power	3730 W
Peak Stall Torque	491.22 lbf.in (55.5 N.m), 115480 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	144.62 lbf.in (16.34 N.m) LXM52 14.87 mA, 115 V, 1 phase
	123.91 lbf.in (14.0 N.m) LXM52 13.13 mA, 230 V, 1 phase
	90.01 lbf.in (10.17 N.m) LXM52 9.76 mA, 400 V, 3 phase
	90.01 lbf.in (10.17 N.m) LXM52 9.76 mA, 480 V, 3 phase
	144.62 lbf.in (16.34 N.m) LXM62 14.87 mA, 115 V, 1 phase
	123.91 lbf.in (14.0 N.m) LXM62 13.13 mA, 230 V, 1 phase
	90.01 lbf.in (10.17 N.m) LXM62 9.76 mA, 400 V, 3 phase 90.01 lbf.in (10.17 N.m) LXM62 9.76 mA, 480 V, 3 phase
Nominal Speed	1000 rpm LXM52 14.87 mA, 115 V, 1 phase
Nominai Speed	2000 rpm LXM52 14.67 mA, 113 V, 1 phase
	3500 rpm LXM52 9.76 mA, 400 V, 3 phase
	3500 rpm LXM52 9.76 mA, 480 V, 3 phase
	1000 rpm LXM62 14.87 mA, 115 V, 1 phase
	2000 rpm LXM62 13.13 mA, 230 V, 1 phase
	3500 rpm LXM62 9.76 mA, 400 V, 3 phase
	3500 rpm LXM62 9.76 mA, 480 V, 3 phase
Maximum Current Irms	57.42 A
Shaft End	Smooth shaft
Second Shaft	Without second shaft end
Shaft Diameter	0.94 in (24 mm)
Shaft Length	1.97 in (50 mm)
Ip Degree Of Protection	IP65 standard

Price is "List Price" and may be subject to a trade discount - check with your local distributor or retailer for actual price.

Encoder Type	Single turn SinCos Hiperface
Speed Feedback Resolution	16 periods
Holding Brake	Without
Mounting Support	International standard flange
Motor Flange Size	5.51 in (140 mm)
Electrical Connection	Rotatable right-angled connectors
Torque Constant	1.1 N.m/A 248 °F (120 °C)
Back Emf Constant	70.7 V/krpm
Number Of Motor Poles	10
Rotor Inertia	32 kg.cm²
Stator Resistance	0.23 Ohm
Stator Inductance	2.99 mH
Stator Electrical Time Constant	13 ms
Maximum Radial Force Fr	2240 N 1000 rpm 1780 N 2000 rpm 1550 N 3000 rpm
Type Of Cooling	Natural convection
Length	7.56 in (192 mm)
Centring Collar Diameter	5.12 in (130 mm)
Centring Collar Depth	0.14 in (3.5 mm)
Number Of Mounting Holes	4
Mounting Holes Diameter	0.43 in (11 mm)
Circle Diameter Of The Mounting Holes	6.50 in (165 mm)
Net Weight	26.46 lb(US) (12 kg)

Ordering and shipping details

Category	US1PC5218359
Discount Schedule	PC52
Gtin	3606485397108
Returnability	No
Country Of Origin	IIS

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	10.24 in (26.0 cm)
Package 1 Width	7.87 in (20.0 cm)
Package 1 Length	23.23 in (59.0 cm)
Package 1 Weight	29.32 lb(US) (13.3 kg)



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Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

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Guide to assess a product's sustainability >





Transparency RoHS/REACh

Well-being performance



Certifications & Standards

Reach Regulation	REACh Declaration
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope)
China Rohs Regulation	China RoHS declaration
Environmental Disclosure	Product Environmental Profile
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.
Circularity Profile	No need of specific recycling operations
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