Product data sheet





servo motor MH3 140 11,1Nm,key,multi 16 lines,no brake,IP65/IP67,3kRPM

MH31401P17A2200

! 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

Complemental y	
Maximum Mechanical Speed	4000 rpm
[Us] Rated Supply Voltage	115480 V
Phase	Three phase
Continuous Stall Current	8.58 A
Continuous Stall Torque	91.16 lbf.in (10.3 N.m), 115480 V, three phase
Continuous Power	2640 W
Peak Stall Torque	353.14 lbf.in (39.9 N.m), 115480 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 Nominal Speed	82.84 lbf.in (9.36 N.m) LXM52 7.82 mA, 115 V, 1 phase 75.23 lbf.in (8.5 N.m) LXM52 7.3 mA, 230 V, 1 phase 63.90 lbf.in (7.22 N.m) LXM52 6.35 mA, 400 V, 3 phase 63.90 lbf.in (7.22 N.m) LXM52 6.35 mA, 480 V, 3 phase 82.84 lbf.in (9.36 N.m) LXM62 7.82 mA, 115 V, 1 phase 75.23 lbf.in (8.5 N.m) LXM62 7.3 mA, 230 V, 1 phase 63.90 lbf.in (7.22 N.m) LXM62 6.35 mA, 400 V, 3 phase 63.90 lbf.in (7.22 N.m) LXM62 6.35 mA, 480 V, 3 phase 1000 rpm LXM52 7.82 mA, 115 V, 1 phase 2000 rpm LXM52 7.82 mA, 230 V, 1 phase 3500 rpm LXM52 6.35 mA, 400 V, 3 phase 3500 rpm LXM52 6.35 mA, 400 V, 3 phase 1000 rpm LXM52 7.82 mA, 115 V, 1 phase 2000 rpm LXM62 7.82 mA, 115 V, 1 phase
	3500 rpm LXM62 6.35 mA, 400 V, 3 phase 3500 rpm LXM62 6.35 mA, 400 V, 3 phase 3500 rpm LXM62 6.35 mA, 480 V, 3 phase
Maximum Current Irms	29.8 A
Shaft End	Parallel key
Second Shaft	Without second shaft end
Shaft Diameter	0.94 in (24 mm)
Shaft Length	1.97 in (50 mm)
Key Width	0.31 in (8 mm)

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

Ip Degree Of Protection	IP65 standard
Encoder Type	Multiturn 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	1.2 N.m/A 248 °F (120 °C)
Back Emf Constant	77.41 V/krpm
Number Of Motor Poles	10
Rotor Inertia	16.46 kg.cm²
Stator Resistance	0.69 Ohm
Stator Inductance	6.72 mH
Stator Electrical Time Constant	9.7 ms
Maximum Radial Force Fr	1930 N 1000 rpm 1530 N 2000 rpm 1340 N 3000 rpm
Type Of Cooling	Natural convection
Length	5.98 in (152 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	17.64 lb(US) (8 kg)

Ordering and shipping details

Category	US1PC5218359
Discount Schedule	PC52
Gtin	3606485396989
Returnability	No
Country Of Origin	US

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	20.50 lb(US) (9.3 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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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