# **Product datasheet**

Specification





## servo motor MH3 070 3,1Nm,no key,single,no brake,IP65/ IP67,6kRPM

MH30703P01A2200

### Main

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

## Complementary

8000 rpm
115480 V
Three phase
3.91 A
3.4 N.m, 115480 V, three phase
1540 W
10.2 N.m, 115480 V, three phase
0.42 W, 115 V
0.75 W, 230 V
1.32 W, 400 V
1.54 W, 480 V
3.18 N.m for LXM52 at 3.56 mA, 115 V, 1 phase
2.96 N.m for LXM52 at 3.47 mA, 230 V, 1 phase
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2.53 N.m for LXM52 at 3.02 mA, 400 V, 3 phases
2.26 N.m for LXM52 at 2.74 mA, 480 V, 3 phases
3.18 N.m for LXM62 at 3.56 mA, 115 V, 1 phase
2.96 N.m for LXM62 at 3.47 mA, 230 V, 1 phase
2.53 N.m for LXM62 at 3.02 mA, 400 V, 3 phases
2.26 N.m for LXM62 at 2.74 mA, 480 V, 3 phases
1250 rpm for LXM52 at 3.56 mA, 115 V, 1 phase
2500 rpm for LXM52 at 3.47 mA, 230 V, 1 phase
5000 rpm for LXM52 at 3.02 mA, 400 V, 3 phases
6500 rpm for LXM52 at 2.74 mA, 480 V, 3 phases
1250 rpm for LXM62 at 3.56 mA, 115 V, 1 phase
2500 rpm for LXM62 at 3.47 mA, 230 V, 1 phase
5000 rpm for LXM62 at 3.02 mA, 400 V, 3 phases
6500 rpm for LXM62 at 2.74 mA, 480 V, 3 phases
12.57 A
Smooth shaft
Without second shaft end
14 mm
30 mm
IP65 standard
Single turn SinCos Hiperface
128 periods

Holding Brake	Without
Mounting Support	International standard flange
Motor Flange Size	70 mm
Electrical Connection	Rotatable right-angled connectors
Torque Constant	0.87 N.m/A at 120 °C
Back Emf Constant	55 V/krpm
Number Of Motor Poles	10
Rotor Inertia	1.67 kg.cm <sup>2</sup>
Stator Resistance	2.65 Ohm
Stator Inductance	8.64 mH
Stator Electrical Time Constant	3.2 ms
Maximum Radial Force Fr	730 N at 1000 rpm 580 N at 2000 rpm 510 N at 3000 rpm 460 N at 4000 rpm 430 N at 5000 rpm 400 N at 6000 rpm
Type Of Cooling	Natural convection
Length	186 mm
Centring Collar Diameter	60 mm
Centring Collar Depth	2.5 mm
Number Of Mounting Holes	4
Mounting Holes Diameter	5.5 mm
Circle Diameter Of The Mounting Holes	82 mm
Net Weight	3 kg

## **Packing Units**

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	11.5 cm
Package 1 Width	19.0 cm
Package 1 Length	39.5 cm
Package 1 Weight	2.5 kg



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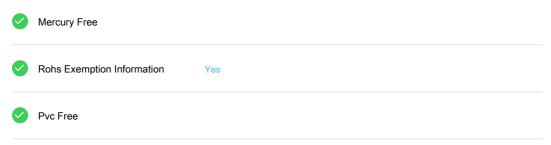
Guide to assess a product's sustainability >





Transparency RoHS/REACh

### Well-being performance



#### **Certifications & Standards**

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
<b>Environmental Disclosure</b>	Product Environmental Profile
China Rohs Regulation	China RoHS declaration
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope)
Reach Regulation	REACh Declaration