

servo motor BMH - 48 Nm - 4000 rpm - keyed shaft - without brake - IP65/IP67

BMH1902P31A2A

Main

Product or component type	Servo motor
Device short name	ВМН
Maximum mechanical speed	4000 rpm
Continuous stall torque	37.4 N.m for LXM32.D72N4 at 24 A, 400 V, three phase 37.4 N.m for LXM32.D72N4 at 24 A, 480 V, three phase 48 N.m for LXM32MD85N4 at 32 A, 400 V, three phase 48 N.m for LXM32MD85N4 at 32 A, 480 V, three phase 48 N.m for LXM32MC10N4 at 40 A, 400 V, three phase 48 N.m for LXM32MC10N4 at 40 A, 480 V, three phase 48 N.m for LXM32MC10N4 at 40 A, 480 V, three phase
Peak stall torque	101 N.m for LXM32.D72N4 at 24 A, 400 V, three phase 101 N.m for LXM32.D72N4 at 24 A, 480 V, three phase 115.5 N.m for LXM32MD85N4 at 32 A, 400 V, three phase 115.5 N.m for LXM32MD85N4 at 32 A, 480 V, three phase 130.7 N.m for LXM32MC10N4 at 40 A, 400 V, three phase 130.7 N.m for LXM32MC10N4 at 40 A, 480 V, three phase
Nominal output power	5900 W for LXM32.D72N4 at 24 A, 400 V, three phase 5900 W for LXM32.D72N4 at 24 A, 480 V, three phase 6070 W for LXM32MD85N4 at 32 A, 400 V, three phase 6070 W for LXM32MD85N4 at 32 A, 480 V, three phase 6070 W for LXM32MC10N4 at 40 A, 400 V, three phase 6070 W for LXM32MC10N4 at 40 A, 480 V, three phase
Nominal torque	22.3 N.m for LXM32.D72N4 at 24 A, 400 V, three phase 22.3 N.m for LXM32.D72N4 at 24 A, 480 V, three phase 29 N.m for LXM32MD85N4 at 32 A, 400 V, three phase 29 N.m for LXM32MD85N4 at 32 A, 480 V, three phase 29 N.m for LXM32MC10N4 at 40 A, 400 V, three phase 29 N.m for LXM32MC10N4 at 40 A, 480 V, three phase
Nominal speed	2000 rpm for LXM32MC10N4 at 40 A, 400 V, three phase 2000 rpm for LXM32MC10N4 at 40 A, 480 V, three phase 2500 rpm for LXM32.D72N4 at 24 A, 400 V, three phase 2500 rpm for LXM32.D72N4 at 24 A, 480 V, three phase 2500 rpm for LXM32MD85N4 at 32 A, 400 V, three phase 2000 rpm for LXM32MD85N4 at 32 A, 480 V, three phase
Product compatibility	LXM32.D72N4 at 400480 V three phase
Shaft end	Keyed
IP degree of protection	IP65 standard IP67 with IP67 kit
Speed feedback resolution	131072 points/turn
Holding brake	Without
Mounting support	International standard flange
Electrical connection	Rotatable right-angled connectors

Complementary

Lexium 32
480 V
Three phase
30.8 A
6.1 W
72 A for LXM32.D72N4
114 A
Without second shaft end
38 mm
80 mm
70 mm
Single turn SinCos Hiperface
190 mm
2
1.56 N.m/A at 120 °C
108.3 V/krpm at 120 °C
10
10 130.1 kg.cm ²
130.1 kg.cm ²
130.1 kg.cm² 0.15 Ohm at 20 °C
130.1 kg.cm² 0.15 Ohm at 20 °C 3.86 mH at 20 °C
130.1 kg.cm ² 0.15 Ohm at 20 °C 3.86 mH at 20 °C 25.7 ms at 20 °C
130.1 kg.cm ² 0.15 Ohm at 20 °C 3.86 mH at 20 °C 25.7 ms at 20 °C 4200 N at 1000 rpm
130.1 kg.cm ² 0.15 Ohm at 20 °C 3.86 mH at 20 °C 25.7 ms at 20 °C 4200 N at 1000 rpm 0.2 x Fr
130.1 kg.cm ² 0.15 Ohm at 20 °C 3.86 mH at 20 °C 25.7 ms at 20 °C 4200 N at 1000 rpm 0.2 x Fr Natural convection
130.1 kg.cm ² 0.15 Ohm at 20 °C 3.86 mH at 20 °C 25.7 ms at 20 °C 4200 N at 1000 rpm 0.2 x Fr Natural convection 250 mm
130.1 kg.cm² 0.15 Ohm at 20 °C 3.86 mH at 20 °C 25.7 ms at 20 °C 4200 N at 1000 rpm 0.2 x Fr Natural convection 250 mm 180 mm
130.1 kg.cm² 0.15 Ohm at 20 °C 3.86 mH at 20 °C 25.7 ms at 20 °C 4200 N at 1000 rpm 0.2 x Fr Natural convection 250 mm 180 mm 4 mm
130.1 kg.cm² 0.15 Ohm at 20 °C 3.86 mH at 20 °C 25.7 ms at 20 °C 4200 N at 1000 rpm 0.2 x Fr Natural convection 250 mm 180 mm 4 mm

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	30.0 cm
Package 1 Width	40.0 cm
Package 1 Length	79.5 cm
Package 1 Weight	31.5 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) EU RoHS Declaration
Mercury free	Yes
China RoHS Regulation	China RoHS declaration
RoHS exemption information	Yes
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
PVC free	Yes

Contractual warranty

Warranty 18 months

Recommended replacement(s)