

BMH1903P37A2A

servo motor BMH - 65 Nm - 3500 rpm - keyed shaft - without brake - IP65/IP67

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

Price* : 4,901.00 USD



ⓘ Discontinued

BMH1903P37A2A has not been replaced. Please contact your customer care center for more information.

Main

Product or component type	Servo motor
Device short name	BMH
Maximum mechanical speed	3500 rpm
Continuous stall torque	43.2 N.m for LXM32.D72N4 24 A at 400 V three phase 43.2 N.m for LXM32.D72N4 24 A at 480 V three phase 57.6 N.m for LXM32MD85N4 32 A at 400 V three phase 57.6 N.m for LXM32MD85N4 32 A at 480 V three phase 65 N.m for LXM32MC10N4 40 A at 400 V three phase 65 N.m for LXM32MC10N4 40 A at 480 V three phase
Peak stall torque	1086.73 lbf.in (122.8 N.m) for LXM32.D72N4 24 A at 400 V three phase 1086.73 lbf.in (122.8 N.m) for LXM32.D72N4 24 A at 480 V three phase 141.3 N.m for LXM32MD85N4 32 A at 400 V three phase 141.3 N.m for LXM32MD85N4 32 A at 480 V three phase 162.7 N.m for LXM32MC10N4 40 A at 400 V three phase 162.7 N.m for LXM32MC10N4 40 A at 480 V three phase
Nominal output power	5700 W for LXM32.D72N4 24 A at 400 V three phase 5700 W for LXM32.D72N4 24 A at 480 V three phase 7330 W for LXM32MD85N4 32 A at 400 V three phase 7330 W for LXM32MD85N4 32 A at 480 V three phase 7750 W for LXM32MC10N4 40 A at 400 V three phase 7750 W for LXM32MC10N4 40 A at 480 V three phase
Nominal torque	318.58 lbf.in (36 N.m) for LXM32.D72N4 24 A at 480 V three phase 318.58 lbf.in (36 N.m) for LXM32.D72N4 24 A at 400 V three phase 35 N.m for LXM32MD85N4 32 A at 400 V three phase 35 N.m for LXM32MD85N4 32 A at 480 V three phase 37 N.m for LXM32MC10N4 40 A at 400 V three phase 37 N.m for LXM32MC10N4 40 A at 480 V three phase
Nominal speed	1500 rpm for LXM32.D72N4 24 A at 400 V three phase 1500 rpm for LXM32.D72N4 24 A at 480 V three phase 2000 rpm for LXM32MC10N4 40 A at 400 V three phase 2000 rpm for LXM32MC10N4 40 A at 480 V three phase 2000 rpm for LXM32MD85N4 32 A at 400 V three phase 2000 rpm for LXM32MD85N4 32 A at 480 V three phase
Product compatibility	LXM32.D72N4 at 400...480 V three phase
Shaft end	Keyed
IP degree of protection	IP65 (standard) IP67 (with IP67 kit)
Speed feedback resolution	32768 points/turn x 4096 turns
Holding brake	Without

Mounting support	International standard flange
Electrical connection	Rotatable right-angled connectors


Complementary

Range compatibility	Lexium 32
[Us] rated supply voltage	480 V
Phase	Three phase
Continuous stall current	36.1 A
Continuous power	7.95 W
Maximum current Irms	72 A LXM32.D72N4
Maximum permanent current	124.5 A
Second shaft	Without second shaft end
Shaft diameter	1.5 in (38 mm)
Shaft length	3.15 in (80 mm)
Key width	2.76 in (70 mm)
Feedback type	Multiturn SinCos Hiperface
Motor flange size	7.48 in (190 mm)
Number of motor stacks	3
Torque constant	1.8 N.m/A at 248 °F (120 °C)
Back emf constant	129.2 V/krpm at 248 °F (120 °C)
Number of motor poles	10
Rotor inertia	194.1 kg.cm ²
Stator resistance	0.13 Ohm at 68 °F (20 °C)
Stator inductance	3.62 mH at 68 °F (20 °C)
Stator electrical time constant	27.8 ms at 68 °F (20 °C)
Maximum radial force Fr	4500 N at 1000 rpm
Maximum axial force Fa	0.2 x Fr
Type of cooling	Natural convection
Length	12.2 in (310 mm)
Centring collar diameter	7.09 in (180 mm)
Centring collar depth	0.16 in (4 mm)
Number of mounting holes	4
Mounting holes diameter	0.55 in (14 mm)
Circle diameter of the mounting holes	8.46 in (215 mm)
Product weight	94.8 lb(US) (43 kg)

Ordering and shipping details

Category	18282 - LEXIUM 32 MOTORS
Discount Schedule	PC53
GTIN	003606485264356
Nbr. of units in pkg.	1
Package weight(Lbs)	95
Returnability	N
Country of origin	DE

Offer Sustainability

RoHS (date code: YYWW)	Compliant  Schneider Electric declaration of conformity
California proposition 65	WARNING: This product can expose you to chemicals including:
----- Substance 1	Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm.
----- More information	For more information go to www.p65warnings.ca.gov

Contractual warranty

Warranty period	18 months
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