Main

Servo motor
ВМН
8000 rpm
22.13 lbf.in (2.5 N.m) LXM32.D12N4 3 A, 400 V, three phase 22.13 lbf.in (2.5 N.m) LXM32.D12N4 3 A, 480 V, three phase
65.50 lbf.in (7.4 N.m) LXM32.D12N4 3 A, 400 V, three phase 65.50 lbf.in (7.4 N.m) LXM32.D12N4 3 A, 480 V, three phase
700 W LXM32.D12N4 3 A, 400 V, three phase 700 W LXM32.D12N4 3 A, 480 V, three phase
19.47 lbf.in (2.2 N.m) LXM32.D12N4 3 A, 400 V, three phase 19.47 lbf.in (2.2 N.m) LXM32.D12N4 3 A, 480 V, three phase
3000 rpm LXM32.D12N4 3 A, 400 V, three phase 3000 rpm LXM32.D12N4 3 A, 480 V, three phase
LXM32.D12N4 400480 V three phase
Keyed
IP54 standard
32768 points/turn
Without
International standard flange
Straight connectors
Lexium 32
480 V
Three phase
2.94 A
1.51 W
9.7 A LXM32.D12N4
9.68 A

^{*} Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

Second shaft

Without second shaft end

Shaft diameter	0.43 in (11 mm)
Shaft length	0.91 in (23 mm)
Key width	0.71 in (18 mm)
Feedback type	Single turn SinCos Hiperface
Motor flange size	2.76 in (70 mm)
Number of motor stacks	2
Torque constant	0.84 N.m/A 248 °F (120 °C)
Back emf constant	54.08 V/krpm 248 °F (120 °C)
Number of motor poles	10
Rotor inertia	1.13 kg.cm²
Stator resistance	3.8 Ohm 68 °F (20 °C)
Stator inductance	12.2 mH 68 °F (20 °C)
Stator electrical time constant	3.2 ms 68 °F (20 °C)
Maximum radial force Fr	710 N 1000 rpm 560 N 2000 rpm 490 N 3000 rpm 450 N 4000 rpm 410 N 5000 rpm 390 N 6000 rpm
Maximum axial force Fa	0.2 x Fr
Type of cooling	Natural convection
Length	6.06 in (154 mm)
Centring collar diameter	2.36 in (60 mm)
Centring collar depth	0.10 in (2.5 mm)
Number of mounting holes	4
Mounting holes diameter	0.22 in (5.5 mm)
Circle diameter of the mounting holes	3.23 in (82 mm)
Net Weight	5.07 lb(US) (2.3 kg)

Ordering and shipping details

Category	18282-LEXIUM 32 MOTORS
Discount Schedule	PC53
GTIN	3606485193694
Returnability	No
Country of origin	DE

Packing Units

Unit Type of Package 1	PCE					
Number of Units in Package 1	1					
Package 1 Height	4.33 in (11.0 cm)					
Package 1 Width	7.87 in (20.0 cm)					
Package 1 Length	15.75 in (40.0 cm)					
Package 1 Weight	4.41 lb(US) (2.0 kg)					

Offer Sustainability

Sustainable offer status Green Premium product

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
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
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.
PVC free	Yes
Contractual warranty	
Warranty	18 months

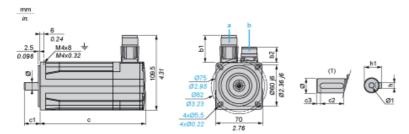
Product data sheet

BMH0702P16A1A

Dimensions Drawings

Servo Motors Dimensions

Example with Straight Connectors



a: Power supply for servo motor brake
 b: Power supply for servo motor encoder
 (1) Shaft end, keyed slot (optional)

Dimensions in mm

Straight connect Rotatable angled		c (without brake	c (with brake	с1	c2	с3	h	h1	Ø	Ø1 for screws		
b1	b2	b1	b2									
39.5	25.5	39.5	39.5	154	193	23	18	2.5	4 h9	12.5 ⁺⁰ _{-0.13}	11 k6	M4 x 14

Dimensions in in.

S	traight	conne	Rotatab	e angled	c (without br	c (with bra	c1	c2	с3	h	h1	Ø	Ø1 for screws
b	1	b2	b1	b2									
1.	.55	1	1.55	1.55	6.06	7.59	0.90	0.70	0.09	0.16 h9	0.49 ⁺⁰ _{-0.0051}	0.43 k6	M4 x 0.55

Product data sheet

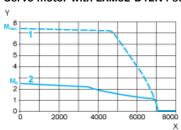
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Performance Curves

400 V 3-Phase Supply Voltage

Torque/Speed Curves

Servo motor with LXM32•D12N4 servo drive



X Speed in rpm
Y Torque in Nm
1 Peak torque
2 Continuous torque

Product data sheet

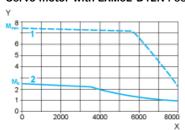
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Performance Curves

480 V 3-Phase Supply Voltage

Torque/Speed Curves

Servo motor with LXM32•D12N4 servo drive



X Speed in rpm
Y Torque in Nm
1 Peak torque
2 Continuous torque

Recommended replacement(s)