Product data sheet

Specifications





① Discontinued

servo motor BMH, Lexium 32, 62.5Nm, 3800rpm, untapped shaft, with brake, IP54, 16 multiturn encoder, straight

BMH2052P07F1A

() Discontinued on: Jun 30, 2023

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

Main

Product Or Component Type	Servo motor	
Device Short Name	ВМН	
Maximum Mechanical Speed	3800 rpm	
Continuous Stall Torque	553.17 lbf.in (62.5 N.m) LXM32.D72N4 24 A, 400 V, three phase 553.17 lbf.in (62.5 N.m) LXM32.D72N4 24 A, 480 V, three phase	
Peak Stall Torque	1504.62 lbf.in (170 N.m) LXM32.D72N4 24 A, 400 V, three phase 1504.62 lbf.in (170 N.m) LXM32.D72N4 24 A, 480 V, three phase	
Nominal Output Power	6500 W LXM32.D72N4 24 A, 400 V, three phase 6500 W LXM32.D72N4 24 A, 480 V, three phase	
Nominal Torque	368.19 lbf.in (41.6 N.m) LXM32.D72N4 24 A, 400 V, three phase 368.19 lbf.in (41.6 N.m) LXM32.D72N4 24 A, 480 V, three phase	
Nominal Speed	1500 rpm LXM32.D72N4 24 A, 400 V, three phase 1500 rpm LXM32.D72N4 24 A, 480 V, three phase	
Product Compatibility	LXM32.D72N4 400480 V three phase	
Shaft End	Smooth shaft	
Ip Degree Of Protection	IP54 standard	
Speed Feedback Resolution	32768 points/turn x 4096 turns	
Holding Brake	With	
Mounting Support	International standard flange	
Electrical Connection	Straight connectors	

Complementary

Range Compatibility	Lexium 32
[Us] Rated Supply Voltage	480 V
Phase	Three phase
Continuous Stall Current	24.2 A
Continuous Power	7.85 W
Maximum Current Irms	72 A LXM32.D72N4
Maximum Permanent Current	96.8 A
Second Shaft	Without second shaft end
Shaft Diameter	1.50 in (38 mm)

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

Shaft Length	3.15 in (80 mm)	
Feedback Type	Multiturn SinCos Hiperface	
Holding Torque	708.06 lbf.in (80 N.m) holding brake	
Motor Flange Size	8.07 in (205 mm)	
Number Of Motor Stacks	2	
Torque Constant	2.6 N.m/A 248 °F (120 °C)	
Back Emf Constant	161 V/krpm 248 °F (120 °C)	
Number Of Motor Poles	10	
Rotor Inertia	145 kg.cm ²	
Stator Resistance	0.3 Ohm 68 °F (20 °C)	
Stator Inductance	5.6 mH 68 °F (20 °C)	
Stator Electrical Time Constant	18.7 ms 68 °F (20 °C)	
Maximum Radial Force Fr	4200 N 1000 rpm 3330 N 2000 rpm 2910 N 3000 rpm	
Maximum Axial Force Fa	0.2 x Fr	
Brake Pull-In Power	40 W	
Type Of Cooling	Natural convection	
Length	17.89 in (454.5 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)	
Net Weight	107.81 lb(US) (48.9 kg)	

Ordering and shipping details

Category	US1PC5318282	
Discount Schedule	PC53	
Gtin	3606485203409	
Returnability	No	
Country Of Origin	DE	

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	14.17 in (36.0 cm)
Package 1 Width	12.20 in (31.0 cm)
Package 1 Length	28.74 in (73.0 cm)
Package 1 Weight	127.87 lb(US) (58.0 kg)

Contractual warranty

Warranty

18 months

Sustainability Screen

Green PremiumTM label is Schneider Electric's commitment to delivering products with best-inclass environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium >

Guide to assess a product's sustainability >



Transparency RoHS/REACh

Well-being performance

Mercury Free
Rohs Exemption Information Yes
Pvc Free

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