

# IP degree of protection IP54 standard Speed feedback resolution 32768 points/turn

Holding brake Without

Mounting support International standard flange

Keyed

Complementary

**Electrical connection** 

**Nominal speed** 

Shaft end

**Product compatibility** 

•	
Range compatibility	Lexium 32
[Us] rated supply voltage	240 V
Network number of phases	Three phase
Continuous stall current	5.38 A
Continuous power	1.51 W
Maximum current Irms	15 A for LXM32.D30M2 17.5 A for LXM32.D18M2
Maximum permanent current	17.71 A
Second shaft	Without second shaft end
Shaft diameter	11 mm

 $2500~\rm rpm$  for LXM32.D30M2 at 10 A, 115 V, single phase 4000 rpm for LXM32.D18M2 at 6 A, 230 V, single phase

LXM32.D30M2 at 115 V single phase

LXM32.D18M2 at 230 V single phase

Rotatable right-angled connectors

Shaft length	23 mm
Key width	18 mm
Feedback type	Single turn SinCos Hiperface
Motor flange size	70 mm
Number of motor stacks	2
Torque constant	0.46 N.m/A at 120 °C
Back emf constant	29.6 V/krpm at 120 °C
Number of motor poles	10
Rotor inertia	1.13 kg.cm²
Stator resistance	1.15 Ohm at 20 °C
Stator inductance	3.6 mH at 20 °C
Stator electrical time constant	3.1 ms at 20 °C
Maximum radial force Fr	710 N at 1000 rpm 560 N at 2000 rpm 490 N at 3000 rpm 450 N at 4000 rpm 410 N at 5000 rpm 390 N at 6000 rpm
Maximum axial force Fa	0.2 x Fr
Type of cooling	Natural convection
Length	154 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
	2.3 kg

# **Packing Units**

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	11.0 cm
Package 1 Width	19.0 cm
Package 1 Length	39.5 cm
Package 1 Weight	2.914 kg
Unit Type of Package 2	P06
Number of Units in Package 2	24
Package 2 Height	77.0 cm
Package 2 Width	60.0 cm
Package 2 Length	80.0 cm
Package 2 Weight	78.436 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					

Warranty 18 months

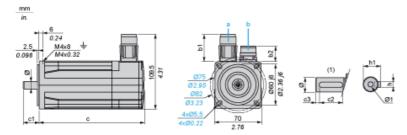
# **Product datasheet**

# BMH0702T16A2A

**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

Straigh	t 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 <sup>+0</sup> <sub>-0.13</sub>	11 k6	M4 x 14

#### Dimensions in in.

S	traight	conne	Rotatable angled		c (without br	c (with bra	c1	c2	сЗ	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 <sup>+0</sup> <sub>-0.0051</sub>	0.43 k6	M4 x 0.55

# **Product datasheet**

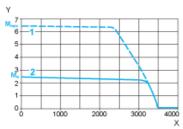
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**Performance Curves** 

## 115 V Single-Phase Supply Voltage

# **Torque/Speed Curves**

Servo motor with LXM32•D30M2 servo drive



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

29 Mar, 2023

# **Product datasheet**

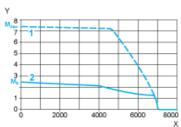
# BMH0702T16A2A

**Performance Curves** 

## 230 V Single-Phase Supply Voltage

# **Torque/Speed Curves**

Servo motor with LXM32•D18M2 servo drive



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

## Recommended replacement(s)