Product data sheet





servo motor BCH, Lexium 28, 130mm, 900W, without oil seal, smooth, straight connection

BCH2MM0910CA6C

! Discontinued on: Jun 30, 2023



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

Main

Range Compatibility	Lexium 28
Product Or Component Type	Servo motor
Device Short Name	BCH2

Complementary

Maximum Mechanical Speed	3000 rpm
[Us] Rated Supply Voltage	220 V
Phase	Three phase Single phase
Continuous Stall Current	5.64 A
Continuous Stall Torque	76.03 lbf.in (8.59 N.m) LXM28 7 A, 220 V, single phase 76.03 lbf.in (8.59 N.m) LXM28 7 A, 220 V, three phase
Continuous Power	900 W
Peak Stall Torque	228.08 lbf.in (25.77 N.m) LXM28 7 A, 220 V, single phase 228.08 lbf.in (25.77 N.m) LXM28 7 A, 220 V, three phase
Nominal Output Power	900 W LXM28 7 A, 220 V, single phase 900 W LXM28 7 A, 220 V, three phase
Nominal Torque	76.03 lbf.in (8.59 N.m) LXM28 7 A, 220 V, single phase 76.03 lbf.in (8.59 N.m) LXM28 7 A, 220 V, three phase
Nominal Speed	1000 rpm LXM28 7 A, 220 V, single phase 1000 rpm LXM28 7 A, 220 V, three phase
Maximum Current Irms	19.81 A LXM28 0.9 kW, 220 V
Maximum Permanent Current	6.15 A
Product Compatibility	LXM28 servo drive 0.9 kW, 220 V, single phase LXM28 servo drive 0.9 kW, 220 V, three phase
Shaft End	Smooth shaft
Shaft Diameter	0.87 in (22 mm)
Shaft Length	2.17 in (55 mm)
Feedback Type	20 bits single turn absolute encoder
Holding Brake	Without
Mounting Support	Asian standard flange
Motor Flange Size	5.12 in (130 mm)
Electrical Connection	Connector MIL

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

Torque Constant	1.52 N.m/A 68 °F (20 °C)
Back Emf Constant	92 V/krpm 68 °F (20 °C)
Rotor Inertia	9.7 kg.cm²
Stator Resistance	1.19 Ohm 68 °F (20 °C)
Stator Inductance	14.9 mH 68 °F (20 °C)
Stator Electrical Time Constant	12.52 ms 68 °F (20 °C)
Maximum Radial Force Fr	670 N 1000 rpm
Maximum Axial Force Fa	200 N
Brake Pull-In Power	19.7 W
Type Of Cooling	Natural convection
Length	6.42 in (163 mm)
Number Of Motor Stacks	2
Centring Collar Diameter	4.33 in (110 mm)
Centring Collar Depth	0.31 in (8 mm)
Number Of Mounting Holes	4
Mounting Holes Diameter	0.36 in (9.2 mm)
Circle Diameter Of The Mounting Holes	5.71 in (145 mm)
Distance Shaft Shoulder-Flange	0.31 in (8 mm)
Net Weight	16.76 lb(US) (7.6 kg)

Environment

Ip Degree Of Protection	IP54 IM B5, IM V1 IP50 IM V3
Ambient Air Temperature For Operation	-4104 °F (-2040 °C)

Ordering and shipping details

Category	US1PC5318281
Discount Schedule	PC53
Gtin	3606480734601
Returnability	No
Country Of Origin	CN

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	7.13 in (18.1 cm)
Package 1 Width	9.06 in (23.0 cm)
Package 1 Length	14.17 in (36.0 cm)
Package 1 Weight	18.85 lb(US) (8.55 kg)



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

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Guide to assess a product's sustainability >





Transparency RoHS/REACh

Well-being performance



Certifications & Standards

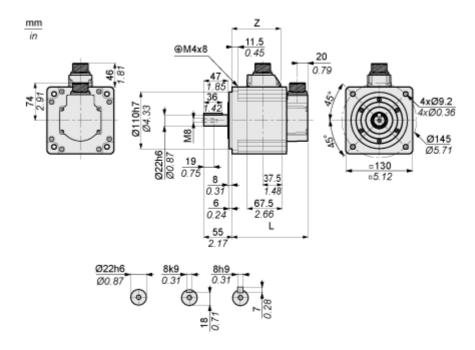
Reach Regulation	REACh Declaration		
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope)		
China Rohs Regulation	China RoHS declaration		
Environmental Disclosure	Product Environmental Profile		
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.		
Circularity Profile	End of Life Information		
	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		

BCH2MM0910CA6C

Dimensions Drawings

Dimensions

Dimensions of Motor



	mm	in.
L (without holding brake)	163	6.42
L (with holding brake)	198	7.8
Z	110.5	4.35

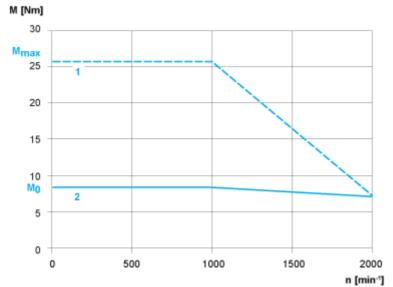
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Performance Curves

Torque/Speed Curves with 230 V Single/Three Phase Supply Voltage

Servo Motor with LXM28AU10●●● Servo Drive



- 1: Peak torque
- 2: Continuous torque