## BCH2MM0812CF6C

servo motor BCH, 130mm, 850W, w oil seal, smooth, brake, straight con





#### Main

Range compatibility	Lexium 28
Device short name	BCH2
Product or component type	Servo motor

Complementary

o o p . o to y		
Maximum mechanical speed	3000 rpm	
[Us] rated supply voltage	220 V	
Network number of phases	Single phase Three phase	
Continuous stall current	5.62 A	
Continuous stall torque	5.39 N.M for LXM28 at 7 A, 220 V, single phase 5.39 N.m for LXM28 at 7 A, 220 V, three phase	
Continuous power	850 W	
Peak stall torque	13.8 N.M for LXM28 at 7 A, 220 V, single phase 13.8 N.m for LXM28 at 7 A, 220 V, three phase	
Nominal output power	850 W for LXM28 at 7 A, 220 V, single phase 850 W for LXM28 at 7 A, 220 V, three phase	
Nominal torque	5.39 N.M for LXM28 at 7 A, 220 V, single phase 5.39 N.m for LXM28 at 7 A, 220 V, three phase	
Nominal speed	1500 rpm for LXM28 at 7 A, 220 V, single phase 1500 rpm for LXM28 at 7 A, 220 V, three phase	
Maximum current Irms	14.96 A for LXM28 at 0.85 kW, 220 V	
Maximum permanent current	6.29 A	
Product compatibility	LXM28 servo drive motor at 0.85 kW, 220 V, single phase LXM28 servo drive motor at 0.85 kW, 220 V, three phase	
Shaft end	Smooth shaft	
Shaft diameter	22 mm	
Shaft length	55 mm	
Feedback type	20 bits single turn absolute encoder	
Holding brake	With	
Holding torque	9.6 N.m built-in	
Mounting support	Asian standard flange	
Motor flange size	130 mm	
Electrical connection	Connector MIL	
Torque constant	0.96 N.m/A at 20 °C	
Back emf constant	58 V/krpm at 20 °C	
Rotor inertia	14.1 kg.cm²	
Stator resistance	0.34 Ohm at 20 °C	
Stator inductance	4.5 mH at 20 °C	
Stator electrical time constant	13.24 ms at 20 °C	

Maximum radial force Fr	670 N at 1500 rpm
Maximum axial force Fa	200 N
Brake pull-in power	19.7 W
Type of cooling	Natural convection
Length	216 mm
Number of motor stacks	4
Centring collar diameter	110 mm
Centring collar depth	8 mm
Number of mounting holes	4
Mounting holes diameter	9.2 mm
Circle diameter of the mounting holes	145 mm
Distance shaft shoulder-flange	8 mm
Net weight	10.9 kg

### Environment

IP degree of protection	IP50 IM V3 IP65 IM B5, IM V1
Ambient air temperature for operation	040 °C

### **Packing Units**

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Unit Type of Package 1	PCE	
Number of Units in Package 1	1	
Package 1 Height	18.1 cm	
Package 1 Width	23.0 cm	
Package 1 Length	36.0 cm	
Package 1 Weight	11.47 kg	

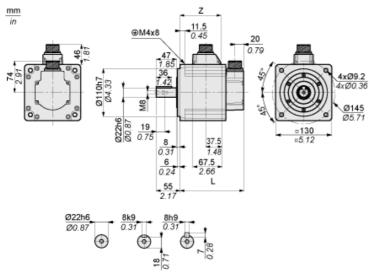
### Offer Sustainability

Sustainable offer status	Green Premium product	
Sustainable oner status	Green Fremium product	
REACh Regulation	REACh Declaration	
REACh free of SVHC	Yes	
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)	
Mercury free	Yes	
China RoHS Regulation	China RoHS Declaration	
RoHS exemption information	₫Yes	
Environmental Disclosure	Product Environmental Profile	
Circularity Profile	End Of Life Information	
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins	

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### **Dimensions**

### **Dimensions of Motor**

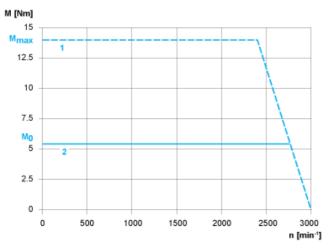


	mm	in.
L (without holding brake)	187	7.36
L (with holding brake)	216	8.5
Z	134.5	5.30

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

#### Servo Motor with LXM28AU10●●● Servo Drive



- 1: Peak torque
- 2: Continuous torque