

# BCH2MM0811CA6C

servo motor BCH, Lexium 28, 130mm, 850W, 13.5kg.cm<sup>2</sup>, without oil seal, with key, straight connection



## Main

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

## Complementary

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	Keyed
Shaft diameter	22 mm
Shaft length	55 mm
Key width	8 mm
Feedback type	20 bits single turn absolute encoder
Holding brake	Without
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	13.5 kg.cm <sup>2</sup>
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	187 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	9.6 kg






## Environment

IP degree of protection	IP54 IM B5, IM V1 IP50 IM V3
Ambient air temperature for operation	-20...40 °C

## Packing Units

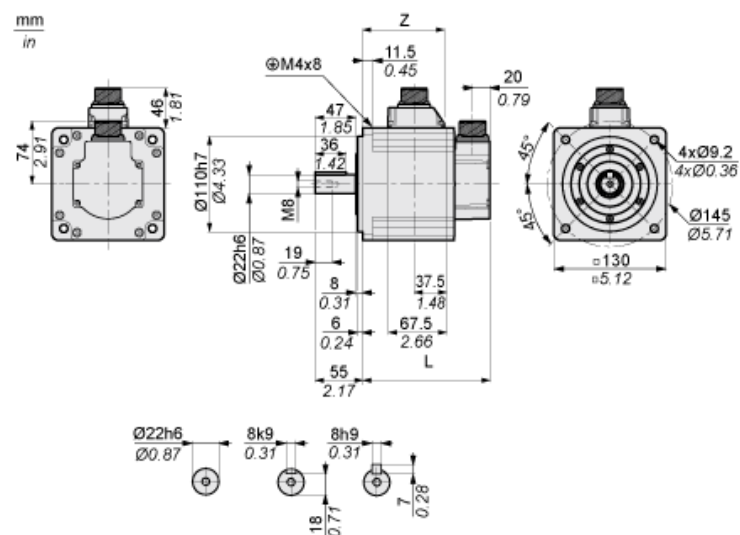
Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	18.1 cm
Package 1 Width	23.0 cm
Package 1 Length	36.0 cm
Package 1 Weight	9.97 kg

## Offer Sustainability

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

## Dimensions

### Dimensions of Motor



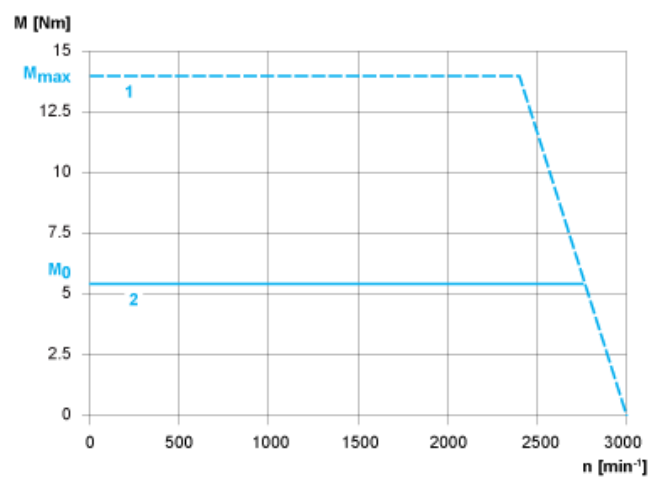
	mm	in.
L (without holding brake)	187	7.36
L (with holding brake)	216	8.5
Z	134.5	5.30

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

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Servo Motor with LXM28AU10●●● Servo Drive



- 1 : Peak torque  
2 : Continuous torque