## Product data sheet Characteristics

# BCH2MM0613CA6C

servo motor BCH - 130mm - 600W - w oil seal - w key - straight con

#### Main

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

#### Complementary

Complementary	
Maximum mechanical speed	3000 rpm
[Us] rated supply voltage	220 V 110 V
Network number of phases	Three phase Single phase
Continuous stall current	3.77 A
Continuous stall torque	5.73 N.M for LXM26D at 4.5 A, 220 V, single phase 5.73 N.M for LXM26D at 4.5 A, 220 V, three phase 5.73 N.M for LXM28 at 4.5 A, 220 V, single phase 5.73 N.M for LXM28 at 4.5 A, 220 V, three phase 5.73 N.m for LXM28 at 9 A, 110 V, single phase
Continuous power	600 W
Peak stall torque	17.19 N.M for LXM26D at 4.5 A, 220 V, single phase 17.19 N.M for LXM26D at 4.5 A, 220 V, three phase 17.19 N.M for LXM28 at 4.5 A, 220 V, single phase 17.19 N.M for LXM28 at 4.5 A, 220 V, three phase 17.19 N.M for LXM28 at 4.5 A, 220 V, three phase 17.19 N.m for LXM28 at 9 A, 110 V, single phase
Nominal output power	600 W for LXM26D at 4.5 A, 220 V, single phase 600 W for LXM26D at 4.5 A, 220 V, three phase 600 W for LXM28 at 4.5 A, 220 V, single phase 600 W for LXM28 at 4.5 A, 220 V, three phase 600 W for LXM28 at 9 A, 110 V, single phase
Nominal torque	5.73 N.M for LXM26D at 4.5 A, 220 V, single phase 5.73 N.M for LXM26D at 4.5 A, 220 V, three phase 5.73 N.M for LXM28 at 4.5 A, 220 V, single phase 5.73 N.M for LXM28 at 4.5 A, 220 V, three phase 5.73 N.m for LXM28 at 9 A, 110 V, single phase
Nominal speed	1000 rpm for LXM26D at 4.5 A, 220 V, single phase 1000 rpm for LXM26D at 4.5 A, 220 V, three phase 1000 rpm for LXM28 at 4.5 A, 220 V, single phase 1000 rpm for LXM28 at 4.5 A, 220 V, three phase 1000 rpm for LXM28 at 9 A, 110 V, single phase
Maximum current Irms	13.44 A for LXM28 at 0.6 kW, 220 V 13.44 A for LXM28 at 0.6 kW, 110 V
Maximum permanent current	4.1 A
Product compatibility	LXM26D servo drive motor at 0.6 kW, 220 V, single phase LXM26D servo drive motor at 0.6 kW, 220 V, three phase LXM28 servo drive motor at 0.6 kW, 220 V, single phase LXM28 servo drive motor at 0.6 kW, 220 V, three phase LXM28 servo drive motor at 0.6 kW, 110 V, single phase
Shaft end	Keyed
Shaft diameter	22 mm
Shaft length	45 mm

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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	1.52 N.m/A at 20 °C
Back emf constant	92 V/krpm at 20 °C
Rotor inertia	6.63 kg.cm²
Stator resistance	1.93 Ohm at 20 °C
Stator inductance	24.9 mH at 20 °C
Stator electrical time constant	12.9 ms at 20 °C
Maximum radial force Fr	670 N at 1000 rpm
Maximum axial force Fa	200 N
Brake pull-in power	19.7 W
Type of cooling	Natural convection
Length	147 mm
Number of motor stacks	1
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	7 kg

### Environment

IP degree of protection	IP50 IM V3 IP65 IM B5, IM V1
Ambient air temperature for operation	-2040 °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 cm	
Package 1 Length	36 cm	
Package 1 Weight	8070 g	

# Offer Sustainability Packaging without single

Packaging without single use plastic	No
Packaging made with recycled cardboard	No
REACh Regulation	REACh Declaration
REACh free of SVHC	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Toxic heavy metal free	Yes
Mercury free	Yes
RoHS exemption information	€Yes
China RoHS Regulation	☑ China RoHS Declaration
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

PVC free	Yes
Take-back	No
Carbon footprint (kg.eq.CO2 per CR, Total Life cycle)	3323