Product datasheet Characteristics

BCH2MM0313CF6C

servo motor BCH - 130mm - 300W - w oil seal - w key - brake - straight con



Range compatibility	Lexium 28		3
			3
Product or component type	Servo motor	<u>~</u>	ز 5
Device short name	BCH2	- Single	3
		u di	5
		Ď.	5
Complementary		v.)

Complementary		
Maximum mechanical speed	3000 rpm	
[Us] rated supply voltage	220 V	
Network number of phases	Three phase Single phase	
Continuous stall current	1.88 A	
Continuous stall torque	2.86 N.m for LXM26D at 2.6 A, 220 V, single phase 2.86 N.m for LXM26D at 2.6 A, 220 V, three phase 2.86 N.m for LXM28 at 2.6 A, 220 V, single phase 2.86 N.m for LXM28 at 2.6 A, 220 V, three phase 2.86 N.m for LXM28 at 5.7 A, 110 V, single phase	
Continuous power	300 W	
Peak stall torque	8.59 N.m for LXM26D at 2.6 A, 220 V, single phase 8.59 N.m for LXM26D at 2.6 A, 220 V, three phase 8.59 N.m for LXM28 at 2.6 A, 220 V, single phase 8.59 N.m for LXM28 at 2.6 A, 220 V, three phase 8.59 N.m for LXM28 at 5.7 A, 110 V, single phase	
Nominal output power	300 W for LXM26D at 2.6 A, 220 V, single phase 300 W for LXM26D at 2.6 A, 220 V, three phase 300 W for LXM28 at 2.6 A, 220 V, single phase 300 W for LXM28 at 2.6 A, 220 V, three phase 300 W for LXM28 at 5.7 A, 110 V, single phase	
Nominal torque	2.86 N.m for LXM26D at 2.6 A, 220 V, single phase 2.86 N.m for LXM26D at 2.6 A, 220 V, three phase 2.86 N.m for LXM28 at 2.6 A, 220 V, single phase 2.86 N.m for LXM28 at 2.6 A, 220 V, three phase 2.86 N.m for LXM28 at 5.7 A, 110 V, single phase	
Nominal speed	1000 rpm for LXM26D at 2.6 A, 220 V, single phase 1000 rpm for LXM26D at 2.6 A, 220 V, three phase 1000 rpm for LXM28 at 2.6 A, 220 V, single phase 1000 rpm for LXM28 at 2.6 A, 220 V, three phase 1000 rpm for LXM28 at 5.7 A, 110 V, single phase	
Maximum current Irms	5.98 A for LXM28 at 0.3 kW, 220 V 5.98 A for LXM28 at 0.3 kW, 110 V	

Maximum permanent current	2.09 A
Product compatibility	LXM26D servo drive motor at 0.3 kW, 220 V, single phase LXM26D servo drive motor at 0.3 kW, 220 V, three phase LXM28 servo drive motor at 0.3 kW, 220 V, single phase LXM28 servo drive motor at 0.3 kW, 220 V, three phase LXM28 servo drive motor at 0.3 kW, 110 V, single phase
Shaft end	Keyed
Shaft diameter	22 mm
Shaft length	45 mm
Key width	8 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	1.52 N.m/A at 20 °C
Back emf constant	92 V/krpm at 20 °C
Rotor inertia	6.91 kg.cm ²
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	183 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
Product weight	8.2 kg

Environment

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

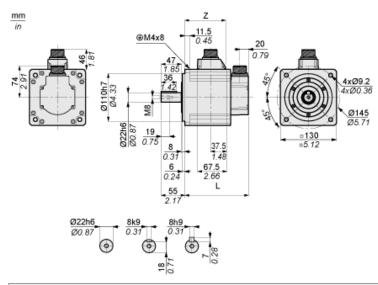
Contractual warranty

Warranty	18 months	

BCH2MM0313CF6C

Dimensions

Dimensions of Motor

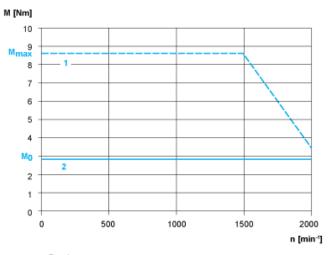


	mm	in.
L (without holding brake)	147	5.79
L (with holding brake)	183	7.2
Z	94.5	3.72

BCH2MM0313CF6C

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

Servo Motor with LXM28AU04●●● Servo Drive



1: Peak torque2: Continuous torque