Product datasheet Characteristics

BCH2MM1522CF6C

servo motor BCH - 130mm - 1500W - w oil seal - smooth - brake - straight con



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Range compatibility	Lexium 28	olici Dictional
Product or component type	Servo motor	9
Device short name	BCH2	

Complementary

IUS rated supply voltage 220 V	Complementary		
Network number of phases Three phase Continuous stall current 6.18 A Continuous stall torque 7.16 N.m for LXM28 at 7 A, 220 V, single phase 7.16 N.m for LXM28 at 7 A, 220 V, three phase Continuous power 1500 W Peak stall torque 21.48 N.m for LXM28 at 7 A, 220 V, single phase 21.48 N.m for LXM28 at 7 A, 220 V, single phase 21.48 N.m for LXM28 at 7 A, 220 V, single phase 21.48 N.m for LXM28 at 7 A, 220 V, single phase Nominal output power 1500 W for LXM28 at 7 A, 220 V, single phase 1500 W for LXM28 at 7 A, 220 V, single phase 1500 W for LXM28 at 7 A, 220 V, single phase 7.16 N.m for LXM28 at 7 A, 220 V, single phase 7.16 N.m for LXM28 at 7 A, 220 V, three phase Nominal speed 2000 rpm for LXM28 at 7 A, 220 V, three phase Maximum current Irms 20.31 A for LXM28 at 1.5 kW, 220 V, three phase Maximum permanent current 6.74 A Product compatibility LXM28 servo drive motor at 1.5 kW, 220 V, single phase LXM28 servo drive motor at 1.5 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	Maximum mechanical speed	3000 rpm	
Three phase Continuous stall current 6.18 A Continuous stall torque 7.16 N.m for LXM28 at 7 A, 220 V, single phase 7.16 N.m for LXM28 at 7 A, 220 V, three phase Continuous power 1500 W Peak stall torque 21.48 N.m for LXM28 at 7 A, 220 V, single phase 21.48 N.m for LXM28 at 7 A, 220 V, single phase 21.48 N.m for LXM28 at 7 A, 220 V, single phase 21.48 N.m for LXM28 at 7 A, 220 V, three phase Nominal output power 1500 W for LXM28 at 7 A, 220 V, single phase 1500 W for LXM28 at 7 A, 220 V, three phase Nominal torque 7.16 N.m for LXM28 at 7 A, 220 V, single phase 7.16 N.m for LXM28 at 7 A, 220 V, three phase Nominal speed 2000 rpm for LXM28 at 7 A, 220 V, three phase Maximum current Irms 20.31 A for LXM28 at 7 A, 220 V, three phase Maximum permanent current 6.74 A Product compatibility LXM28 servo drive motor at 1.5 kW, 220 V, single phase LXM28 servo drive motor at 1.5 kW, 220 V, three phase Shaft end Smooth shaft Shaft lend Smooth shaft 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	[Us] rated supply voltage	220 V	
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Maximum permanent current 6.74 A Product compatibility LXM28 servo drive motor at 1.5 kW, 220 V, single phase LXM28 servo drive motor at 1.5 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	Nominal speed		
Product compatibility LXM28 servo drive motor at 1.5 kW, 220 V, single phase LXM28 servo drive motor at 1.5 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	Maximum current Irms	20.31 A for LXM28 at 1.5 kW, 220 V	
LXM28 servo drive motor at 1.5 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	Maximum permanent current	6.74 A	
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	Product compatibility		
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	Shaft end	Smooth shaft	
Feedback type 20 bits single turn absolute encoder Holding brake With Holding torque 9.6 N.m built-in Mounting support Asian standard flange	Shaft diameter	22 mm	
Holding brake With Holding torque 9.6 N.m built-in Mounting support Asian standard flange	Shaft length	55 mm	
Holding torque 9.6 N.m built-in Mounting support Asian standard flange	Feedback type	20 bits single turn absolute encoder	
Mounting support Asian standard flange	Holding brake	With	
	Holding torque	9.6 N.m built-in	-
Motor flange size 130 mm	Mounting support	Asian standard flange	F
	Motor flange size	130 mm	

Electrical connection	Connector MIL
Torque constant	1.16 N.m/A at 20 °C
Back emf constant	70 V/krpm at 20 °C
Rotor inertia	10 kg.cm²
Stator resistance	0.64 Ohm at 20 °C
Stator inductance	6.4 mH at 20 °C
Stator electrical time constant	10 ms at 20 °C
Maximum radial force Fr	670 N at 2000 rpm
Maximum axial force Fa	200 N
Brake pull-in power	19.7 W
Type of cooling	Natural convection
Length	202 mm
Number of motor stacks	3
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	8.8 kg

Environment

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

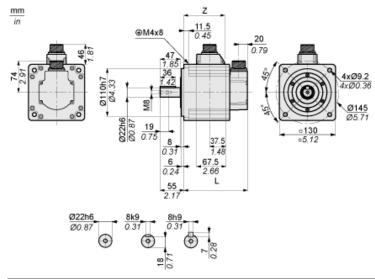
Contractual warranty

Warranty	18 months

BCH2MM1522CF6C

Dimensions

Dimensions of Motor

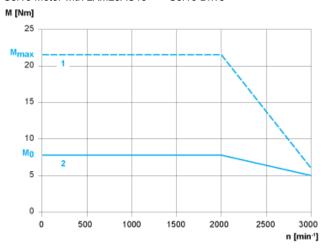


	mm	in.
L (without holding brake)	167	6.57
L (with holding brake)	202	7.95
Z	114.5	4.51

BCH2MM1522CF6C

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

Servo Motor with LXM28AU15●●● Servo Drive



Peak torque

1 : 2 : Continuous torque