



## Main

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

## Complementary

Maximum mechanical speed	5000 rpm
[Us] rated supply voltage	220 V
Network number of phases	Single phase Three phase
Continuous stall current	5.83 A
Continuous stall torque	3.18 N.M for LXM26D at 7 A, 220 V, single phase 3.18 N.M for LXM26D at 7 A, 220 V, three phase 3.18 N.M for LXM28... at 7 A, 220 V, single phase 3.18 N.m for LXM28... at 7 A, 220 V, three phase
Continuous power	1000 W
Peak stall torque	9.54 N.M for LXM26D at 7 A, 220 V, single phase 9.54 N.M for LXM26D at 7 A, 220 V, three phase 9.54 N.M for LXM28... at 7 A, 220 V, single phase 9.54 N.m for LXM28... at 7 A, 220 V, three phase
Nominal output power	1000 W for LXM26D at 7 A, 220 V, single phase 1000 W for LXM26D at 7 A, 220 V, three phase 1000 W for LXM28... at 7 A, 220 V, single phase 1000 W for LXM28... at 7 A, 220 V, three phase
Nominal torque	3.18 N.M for LXM26D at 7 A, 220 V, single phase 3.18 N.M for LXM26D at 7 A, 220 V, three phase 3.18 N.M for LXM28... at 7 A, 220 V, single phase 3.18 N.m for LXM28... at 7 A, 220 V, three phase
Nominal speed	3000 rpm for LXM26D at 7 A, 220 V, single phase 3000 rpm for LXM26D at 7 A, 220 V, three phase 3000 rpm for LXM28... at 7 A, 220 V, single phase 3000 rpm for LXM28... at 7 A, 220 V, three phase
Maximum current Irms	18.9 A for LXM28... at 1 kW, 220 V
Maximum permanent current	6.64 A
Product compatibility	LXM26D servo drive motor at 1 kW, 220 V, single phase LXM26D servo drive motor at 1 kW, 220 V, three phase LXM28... servo drive motor at 1 kW, 220 V, single phase LXM28... servo drive motor at 1 kW, 220 V, three 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	Without

Mounting support	Asian standard flange
Motor flange size	100 mm
Electrical connection	Connector MIL
Torque constant	0.55 N.m/A at 20 °C
Back emf constant	33 V/krpm at 20 °C
Rotor inertia	2.4 kg.cm <sup>2</sup>
Stator resistance	0.67 Ohm at 20 °C
Stator inductance	4.2 mH at 20 °C
Stator electrical time constant	6.27 ms at 20 °C
Maximum radial force Fr	570 N at 3000 rpm
Maximum axial force Fa	200 N
Brake pull-in power	10.4 W
Type of cooling	Natural convection
Length	153.5 mm
Number of motor stacks	1
Centring collar diameter	95 mm
Centring collar depth	7 mm
Number of mounting holes	4
Mounting holes diameter	9.2 mm
Circle diameter of the mounting holes	115 mm
Distance shaft shoulder-flange	7 mm
Product weight	4.6 kg

## Environment

IP degree of protection	IP50 IM V3 IP65 IM B5, IM V1
Ambient air temperature for operation	-20...40 °C

## Packing Units

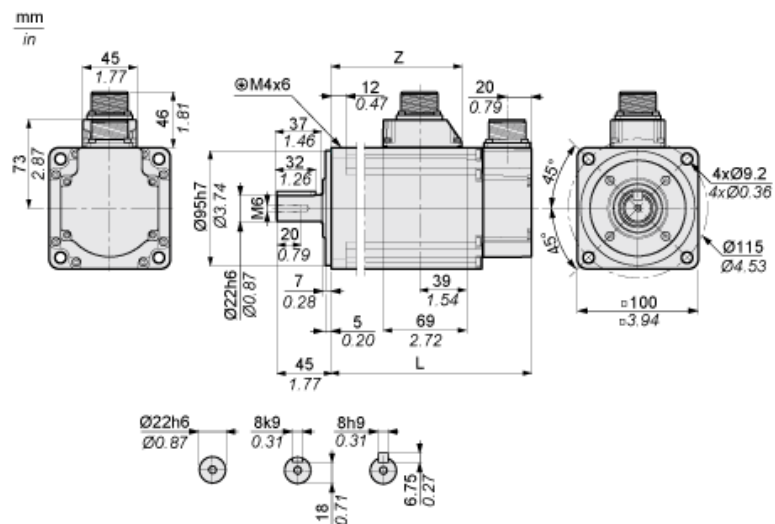
Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	18.1 cm
Package 1 Width	23.0 cm
Package 1 Length	36.0 cm
Package 1 Weight	6.47 kg

## 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) <a href="#">EU RoHS Declaration</a>
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
PVC free	Yes
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>

Dimensions

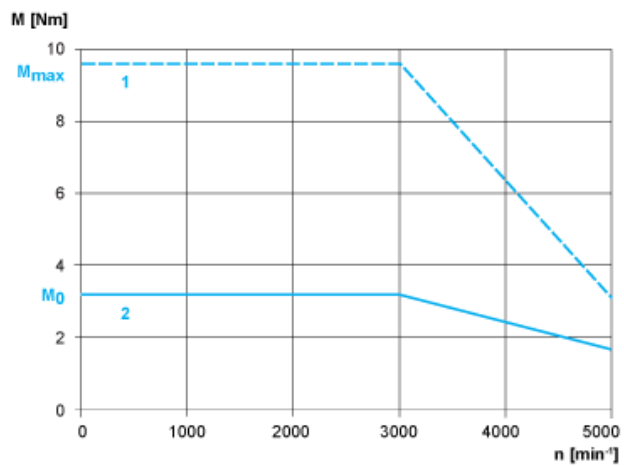
Dimensions of Motor



	mm	in.
L (without holding brake)	153.5	6.04
L (with holding brake)	180.5	7.11
Z	96	3.78

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

Servo Motor with LXM28AU10●●● Servo Drive



- 1 : Peak torque
- 2 : Continuous torque