



Main

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

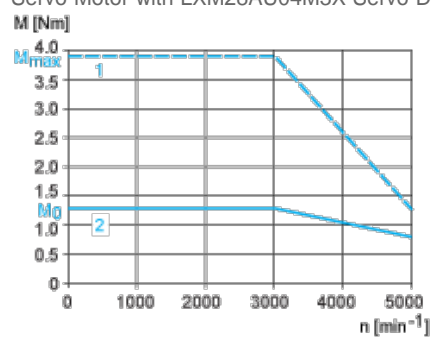
Complementary

Maximum mechanical speed	5000 rpm
[Us] rated supply voltage	220 V
Phase	Single phase Three phase
Continuous stall current	2.19 A
Continuous stall torque	1.27 N.m for LXM28... at 2.6 A, 220 V, single phase 1.27 N.m for LXM28... at 2.6 A, 220 V, three phase 1.27 N.m for LXM28... at 5.7 A, 110 V, single phase
Continuous power	400 W
Peak stall torque	3.81 N.m for LXM28... at 2.6 A, 220 V, single phase 3.81 N.m for LXM28... at 2.6 A, 220 V, three phase 3.81 N.m for LXM28... at 5.7 A, 110 V, single phase
Nominal output power	400 W for LXM28... at 2.6 A, 220 V, single phase 400 W for LXM28... at 2.6 A, 220 V, three phase 400 W for LXM28... at 5.7 A, 110 V, single phase
Nominal torque	1.27 N.m for LXM28... at 2.6 A, 220 V, single phase 1.27 N.m for LXM28... at 2.6 A, 220 V, three phase 1.27 N.m for LXM28... at 5.7 A, 110 V, single phase
Nominal speed	3000 rpm for LXM28... at 2.6 A, 220 V, single phase 3000 rpm for LXM28... at 2.6 A, 220 V, three phase 3000 rpm for LXM28... at 5.7 A, 110 V, single phase
Maximum current Irms	7.76 A for LXM28... at 0.4 kW, 220 V 7.76 A for LXM28... at 0.4 kW, 110 V
Maximum permanent current	2.5 A
Product compatibility	LXM28... servo drive motor at 0.4 kW, 220 V, single phase LXM28... servo drive motor at 0.4 kW, 220 V, three phase LXM28... servo drive motor at 0.4 kW, 110 V, single phase
Shaft end	Keyed
Shaft diameter	0.55 in (14 mm)
Shaft length	1.18 in (30 mm)
Key width	0.2 in (5 mm)
Feedback type	20 bits single turn absolute encoder
Holding brake	Without
Mounting support	Asian standard flange
Motor flange size	2.36 in (60 mm)
Electrical connection	Free lead
Torque constant	0.58 N.m/A at 20 °C
Back emf constant	35 V/krpm at 68 °F (20 °C)
Rotor inertia	0.27 kg.cm ²
Stator resistance	5.2 Ohm at 68 °F (20 °C)
Stator inductance	12 mH at 20 °C
Stator electrical time constant	2.31 ms at 20 °C

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

Servo Motor with LXM28AU04M3X Servo Drive



1 : Peak torque

2 : Continuous torque