



Main

Product or component type	Servo motor
Device short name	BMH
Maximum mechanical speed	4000 rpm
Continuous stall torque	163.72 lbf.in (18.5 N.m) for LXM32.D72N4 24 A at 400 V three phase 163.72 lbf.in (18.5 N.m) for LXM32.D72N4 24 A at 480 V three phase
Peak stall torque	445.13 lbf.in (50.3 N.m) for LXM32.D72N4 24 A at 400 V three phase 445.13 lbf.in (50.3 N.m) for LXM32.D72N4 24 A at 480 V three phase
Nominal output power	3500 W for LXM32.D72N4 24 A at 400 V three phase 3500 W for LXM32.D72N4 24 A at 480 V three phase
Nominal torque	107.96 lbf.in (12.2 N.m) for LXM32.D72N4 24 A at 480 V three phase 107.96 lbf.in (12.2 N.m) for LXM32.D72N4 24 A at 400 V three phase
Nominal speed	3000 rpm LXM32.D72N4 24 A at 400 V three phase 3000 rpm LXM32.D72N4 24 A at 480 V three phase
Product compatibility	LXM32.D72N4 at 400...480 V three phase
Shaft end	Keyed
IP degree of protection	IP54 (standard)
Speed feedback resolution	32768 points/turn
Holding brake	Without
Mounting support	International standard flange
Electrical connection	Straight connectors

Complementary

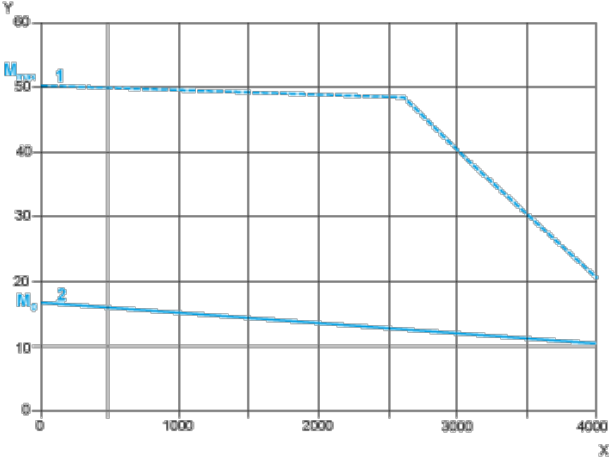
Range compatibility	Lexium 32
[Us] rated supply voltage	480 V
Phase	Three phase
Continuous stall current	16.83 A
Continuous power	4.44 W
Maximum current Irms	57.4 A for LXM32.D72N4
Maximum permanent current	57.4 A
Second shaft	Without second shaft end
Shaft diameter	0.94 in (24 mm)
Shaft length	1.97 in (50 mm)
Key width	1.57 in (40 mm)
Feedback type	Single turn SinCos Hiperface
Motor flange size	5.51 in (140 mm)
Number of motor stacks	2
Torque constant	1.1 N.m/A at 248 °F (120 °C)
Back emf constant	70.7 V/krpm at 248 °F (120 °C)
Number of motor poles	10
Rotor inertia	32 kg.cm ²
Stator resistance	0.23 Ohm at 68 °F (20 °C)

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400 V 3-Phase Supply Voltage

Torque/Speed Curves

Servo motor with LXM32•D72N4 servo drive

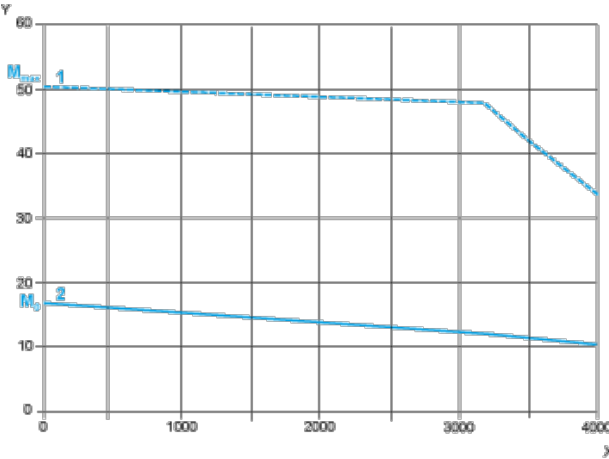


- X Speed in rpm
- Y Torque in Nm
- 1 Peak torque
- 2 Continuous torque

480 V 3-Phase Supply Voltage

Torque/Speed Curves

Servo motor with LXM32•D72N4 servo drive



- X Speed in rpm
- Y Torque in Nm
- 1 Peak torque
- 2 Continuous torque