

Main

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|---------------------------|---|
| Product or component type | Servo motor |
| Device short name | BMH |
| Maximum mechanical speed | 6000 rpm |
| Continuous stall torque | 8.2 N.m for LXM32.D30M2 at 10 A, 230 V, single phase |
| Peak stall torque | 22.8 N.m for LXM32.D30M2 at 10 A, 230 V, single phase |
| Nominal output power | 1450 W for LXM32.D30M2 at 10 A, 230 V, single phase |
| Nominal torque | 5.6 N.m for LXM32.D30M2 at 10 A, 230 V, single phase |
| Nominal speed | 2500 rpm for LXM32.D30M2 at 10 A, 230 V, single phase |
| Product compatibility | LXM32.D30M2 at 230 V single 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

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|---------------------------|--------------------------|
| Range compatibility | Lexium 32 |
| [Us] rated supply voltage | 240 V |
| Network number of phases | Three phase |
| Continuous stall current | 10 A |
| Continuous power | 2.62 W |
| Maximum current Irms | 30 A for LXM32.D30M2 |
| Maximum permanent current | 33.85 A |
| Second shaft | Without second shaft end |
| Shaft diameter | 19 mm |
| Shaft length | 40 mm |

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| Key width | 30 mm |
| Feedback type | Single turn SinCos Hiperface |
| Motor flange size | 100 mm |
| Number of motor stacks | 3 |
| Torque constant | 0.851 N.m/A at 120 °C |
| Back emf constant | 54.8 V/krpm at 120 °C |
| Number of motor poles | 10 |
| Rotor inertia | 9.37 kg.cm ² |
| Stator resistance | 0.47 Ohm at 20 °C |
| Stator inductance | 3 mH at 20 °C |
| Stator electrical time constant | 6.4 ms at 20 °C |
| Maximum radial force Fr | 1050 N at 1000 rpm 830 N at 2000 rpm 730 N at 3000 rpm 660 N at 4000 rpm 610 N at 5000 rpm |
| Maximum axial force Fa | 0.2 x Fr |
| Type of cooling | Natural convection |
| Length | 192.6 mm |
| Centring collar diameter | 95 mm |
| Centring collar depth | 3.5 mm |
| Number of mounting holes | 4 |
| Mounting holes diameter | 9 mm |
| Circle diameter of the mounting holes | 115 mm |
| Product weight | 6.5 kg |

Offer Sustainability

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|----------------------------|---|
| Sustainable offer status | Green Premium product |
| REACH Regulation | REACH Declaration |
| EU RoHS Directive | Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration |
| Mercury free | Yes |
| RoHS exemption information | Yes |
| China RoHS Regulation | China RoHS declaration |
| Environmental Disclosure | Product Environmental Profile |
| Circularity Profile | No need of specific recycling operations |
| WEEE | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |

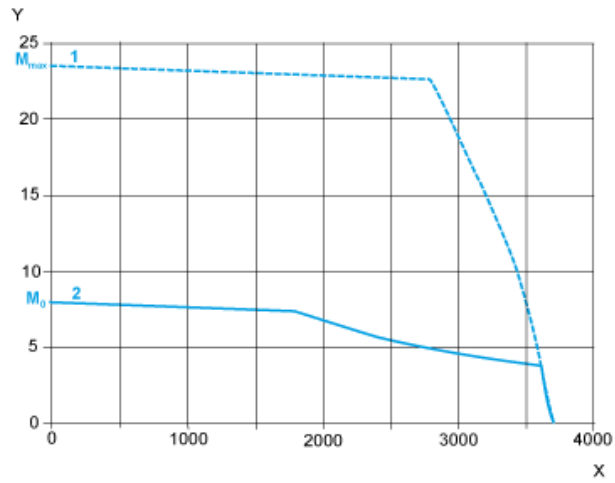
Contractual warranty

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| Warranty | 18 months |
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230 V Single-Phase Supply Voltage

Torque/Speed Curves

Servo motor with LXM32•D30M2 servo drive



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