



Main

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|---------------------------|---|
| Product or component type | Synchronous motor |
| Device short name | BMP |
| Maximum mechanical speed | 3600 rpm |
| Nominal output power | 750 W with drive ATV32 at 0.75 kW 200 V single phase 750 W with drive ATV320 at 0.75 kW 200 V single phase |
| Nominal torque | 2.39 N.M with drive ATV32 at 0.75 kW 200 V single phase 2.39 N.m with drive ATV320 at 0.75 kW 200 V single phase |
| Nominal speed | 3000 rpm with drive ATV32 at 0.75 kW 200 V single phase 3000 rpm with drive ATV320 at 0.75 kW 200 V single phase |
| Product compatibility | Variable speed drive ATV32 at 0.75 kW 200 V single phase Variable speed drive ATV320 at 0.75 kW 200...240 V single phase |
| Shaft end | Keyed |
| IP degree of protection | IP65 standard IP67 with IP67 kit |
| Holding brake | Without |
| Mounting support | International standard flange |
| Electrical connection | Rotatable right-angled connector |

Complementary

| | |
|----------------------------------|---|
| Range compatibility | Altivar 32 Altivar Machine ATV320 |
| [Us] rated supply voltage | 230 V |
| Network number of phases | Single phase |
| Maximum current I _{rms} | 7.2 A with drive ATV32 at 0.75 kW 200 V single phase 7.2 A with drive ATV320 at 0.75 kW 200 V single phase |
| Nominal operating frequency | 250 Hz with drive ATV32 at 0.75 kW 200 V single phase 250 Hz with drive ATV320 at 0.75 kW 200 V single phase |
| Minimum operating frequency | 25 Hz with drive ATV32 at 0.75 kW 200 V single phase 25 Hz with drive ATV320 at 0.75 kW 200 V single phase |
| Maximum operating frequency | 300 Hz with drive ATV32 at 0.75 kW 200 V single phase 300 Hz with drive ATV320 at 0.75 kW 200 V single phase |
| Shaft diameter | 19 mm |
| Shaft length | 40 mm |
| Key width | 6 mm |
| Motor flange size | 100 mm |
| Torque constant | 0.884 N.m/A at 40 °C |
| Number of motor poles | 5 |
| Number of motor stacks | 1 |
| Rotor inertia | 3.19 kg.cm ² |
| Stator resistance | 1.28 Ohm at 40 °C |
| Stator inductance | 4.08 mH for q-axis winding at 40 °C 3.54 mH for d-axis winding at 40 °C |

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|---------------------------------------|--|
| Maximum radial force Fr | 900 N at 1000 rpm 720 N at 2000 rpm 630 N at 3000 rpm 570 N at 4000 rpm |
| Maximum axial force Fa | 0.2 x Fr |
| Type of cooling | Natural convection |
| Length | 128.6 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 |
| Net weight | 3.34 kg |

Packing Units

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|------------------------------|-----------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 22.5 cm |
| Package 1 Width | 20.0 cm |
| Package 1 Length | 40.5 cm |
| Package 1 Weight | 4.456 kg |
| Unit Type of Package 2 | P06 |
| Number of Units in Package 2 | 6 |
| Package 2 Height | 77.0 cm |
| Package 2 Width | 80.0 cm |
| Package 2 Length | 60.0 cm |
| Package 2 Weight | 35.236 kg |

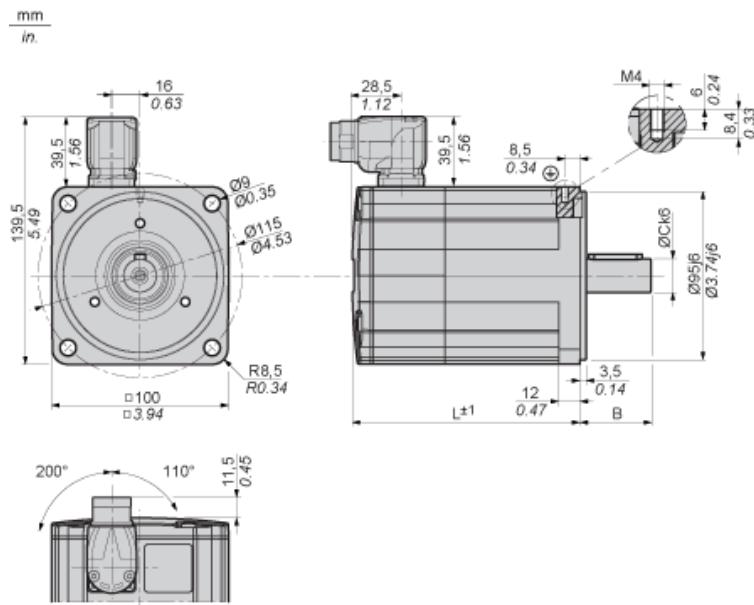
Offer Sustainability

| | |
|----------------------------|---|
| REACH Regulation |  REACH Declaration |
| EU RoHS Directive | Pro-active compliance (Product out of EU RoHS legal scope) |
| Mercury free | Yes |
| China RoHS Regulation |  China RoHS Declaration |
| RoHS exemption information |  Yes |
| WEEE | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |
| PVC free | Yes |

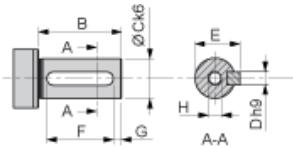
Contractual warranty

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|----------|-----------|
| Warranty | 18 months |
|----------|-----------|

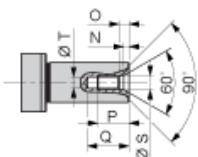
Dimensions



Parallel Key According to DIN 6885 A



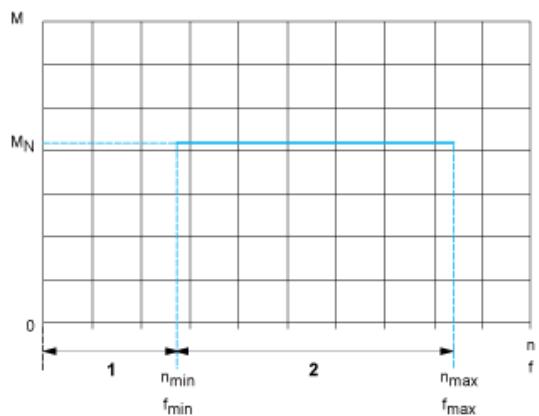
Female Thread of Shaft According to DIN 332-D



| | | |
|-----|------|-------|
| L | mm | 128.6 |
| in. | 5.06 | |
| B | mm | 40 |
| in. | 1.57 | |
| C | mm | 19 |
| in. | 0.75 | |
| D | mm | 6 |
| in. | 0.24 | |
| E | mm | 21.5 |
| in. | 0.85 | |
| F | mm | 30 |
| in. | 1.18 | |
| G | mm | 5 |
| in. | 0.20 | |

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|-----|------|-----|
| H | | M6 |
| N | mm | 2.8 |
| in. | 0.11 | |
| O | mm | 5 |
| in. | 0.20 | |
| P | mm | 16 |
| in. | 0.63 | |
| Q | mm | 21 |
| in. | 0.83 | |
| S | mm | 6.4 |
| in. | 0.25 | |
| T | mm | 5 |
| in. | 0.20 | |

Performance curves



M : Torque in Nm

n : Speed in rpm

f : frequency in Hz

1 : Only permissible during acceleration and deceleration phases.

2 : Continuous operation with the default values from the configuration file.