



Main

Product or component type	Synchronous motor
Device short name	BMP
Maximum mechanical speed	3600 rpm
Nominal output power	1100 W with drive ATV32 at 1.1 kW 200 V single phase 1500 W with drive ATV32 at 1.5 kW 200 V single phase 1100 W with drive ATV320 at 1.1 kW 200 V single phase 1500 W with drive ATV320 at 1.5 kW 200 V single phase
Nominal torque	3.5 N.m with drive ATV32 at 1.1 kW 200 V single phase 4.77 N.m with drive ATV32 at 1.5 kW 200 V single phase 3.5 N.m with drive ATV320 at 1.1 kW 200 V single phase 4.77 N.m with drive ATV320 at 1.5 kW 200 V single phase
Nominal speed	3000 rpm with drive ATV32 at 1.1 kW 200 V single phase 3000 rpm with drive ATV32 at 1.5 kW 200 V single phase 3000 rpm with drive ATV320 at 1.1 kW 200 V single phase 3000 rpm with drive ATV320 at 1.5 kW 200 V single phase
Product compatibility	Variable speed drive ATV32 at 1.1 kW 200 V single phase Variable speed drive ATV32 at 1.5 kW 200 V single phase Variable speed drive ATV320 at 1.1 kW 200...240 V single phase Variable speed drive ATV320 at 1.5 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 Irms	10.4 A with drive ATV32 at 1.1 kW 200 V single phase 12 A with drive ATV32 at 1.5 kW 200 V single phase 10.4 A with drive ATV320 at 1.1 kW 200 V single phase 12 A with drive ATV320 at 1.5 kW 200 V single phase
Nominal operating frequency	250 Hz with drive ATV32 at 1.1 kW 200 V single phase

	250 Hz with drive ATV32 at 1.5 kW 200 V single phase 250 Hz with drive ATV320 at 1.1 kW 200 V single phase 250 Hz with drive ATV320 at 1.5 kW 200 V single phase
Minimum operating frequency	25 Hz with drive ATV32 at 1.1 kW 200 V single phase 25 Hz with drive ATV32 at 1.5 kW 200 V single phase 25 Hz with drive ATV320 at 1.1 kW 200 V single phase 25 Hz with drive ATV320 at 1.5 kW 200 V single phase
Maximum operating frequency	300 Hz with drive ATV32 at 1.1 kW 200 V single phase 300 Hz with drive ATV32 at 1.5 kW 200 V single phase 300 Hz with drive ATV320 at 1.1 kW 200 V single phase 300 Hz with drive ATV320 at 1.5 kW 200 V single phase
Shaft diameter	19 mm
Shaft length	40 mm
Key width	6 mm
Motor flange size	100 mm
Torque constant	0.83 N.m/A at 40 °C
Number of motor poles	5
Number of motor stacks	2
Rotor inertia	6.28 kg.cm ²
Stator resistance	0.53 Ohm at 40 °C
Stator inductance	2.18 mH for q-axis winding at 40 °C 1.89 mH for d-axis winding at 40 °C
Maximum radial force Fr	990 N at 1000 rpm 790 N at 2000 rpm 690 N at 3000 rpm 620 N at 4000 rpm
Maximum axial force Fa	0.2 x Fr
Type of cooling	Natural convection
Length	160.6 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	4.92 kg

Offer Sustainability

RECh 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
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

Contractual warranty

Warranty	18 months
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