

Price\* : 644.00 GBP



### 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 400 V three phase 1100 W with drive ATV32 at 1.5 kW 400 V three phase 1100 W with drive ATV320 at 1.1 kW 400 V three phase 1100 W with drive ATV320 at 1.5 kW 400 V three phase
Nominal torque	7 N.m with drive ATV32 at 1.1 kW 400 V three phase 7 N.m with drive ATV32 at 1.5 kW 400 V three phase 7 N.m with drive ATV320 at 1.1 kW 400 V three phase 7 N.m with drive ATV320 at 1.5 kW 400 V three phase
Nominal speed	1500 rpm with drive ATV32 at 1.1 kW 400 V three phase 1500 rpm with drive ATV32 at 1.5 kW 400 V three phase 1500 rpm with drive ATV320 at 1.1 kW 400 V three phase 1500 rpm with drive ATV320 at 1.5 kW 400 V three phase
Product compatibility	Variable speed drive ATV32 at 1.1 kW 400 V three phase Variable speed drive ATV32 at 1.5 kW 400 V three phase Variable speed drive ATV320 at 1.1 kW 380...500 V three phase Variable speed drive ATV320 at 1.5 kW 380...500 V three 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	480 V
Network number of phases	Three phase
Maximum current Irms	4.5 A with drive ATV32 at 1.1 kW 400 V three phase 6.2 A with drive ATV32 at 1.5 kW 400 V three phase 4.5 A with drive ATV320 at 1.1 kW 400 V three phase 6.2 A with drive ATV320 at 1.5 kW 400 V three phase
Nominal operating frequency	125 Hz with drive ATV32 at 1.1 kW 400 V three phase

	125 Hz with drive ATV32 at 1.5 kW 400 V three phase 125 Hz with drive ATV320 at 1.1 kW 400 V three phase 125 Hz with drive ATV320 at 1.5 kW 400 V three phase
Minimum operating frequency	13 Hz with drive ATV32 at 1.1 kW 400 V three phase 13 Hz with drive ATV32 at 1.5 kW 400 V three phase 13 Hz with drive ATV320 at 1.1 kW 400 V three phase 13 Hz with drive ATV320 at 1.5 kW 400 V three phase
Maximum operating frequency	150 Hz with drive ATV32 at 1.1 kW 400 V three phase 150 Hz with drive ATV32 at 1.5 kW 400 V three phase 150 Hz with drive ATV320 at 1.1 kW 400 V three phase 150 Hz with drive ATV320 at 1.5 kW 400 V three phase
Shaft diameter	24 mm
Shaft length	50 mm
Key width	8 mm
Motor flange size	140 mm
Torque constant	3.06 N.m/A at 40 °C
Number of motor poles	5
Number of motor stacks	1
Rotor inertia	16.46 kg.cm <sup>2</sup>
Stator resistance	2.56 Ohm at 40 °C
Stator inductance	23.33 mH for q-axis winding at 40 °C 19.4 mH for d-axis winding at 40 °C
Maximum radial force Fr	1930 N at 1000 rpm 1530 N at 2000 rpm 1340 N at 3000 rpm
Maximum axial force Fa	0.2 x Fr
Type of cooling	Natural convection
Length	152 mm
Centring collar diameter	130 mm
Centring collar depth	3.5 mm
Number of mounting holes	4
Mounting holes diameter	11 mm
Circle diameter of the mounting holes	165 mm
Product weight	8 kg

## Offer Sustainability

REACH Regulation	<a href="#">REACH Declaration</a>
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a>
Mercury free	Yes
RoHS exemption information	<a href="#">Yes</a>
China RoHS Regulation	<a href="#">China RoHS declaration</a>
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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