

# MOTOR TECHNICAL SPECIFICATIONS

## Technical features

Type of technology: MOTOR BL

Motor Code:

Winding code: PSFBL72

## Performance and Specifications

Applied voltage	23 Vrms
Rated speed	3000 Rpm
Nominal Power	1500 W
Nominal Torque	5 Nm
Nominal Current	50 Arms
Peak Torque	20 Nm
Peak Current	160 Arms
Stall Torque	23 Nm
Stall Current	190 Arms
N. Poles	6
Connection	Y
Ke	7.5 V/1000rpm
Kt	0.12405 Nm/A
Winding resistance +/-5%	0.019 Ohm
Winding inductance	0.071 mH
Thermal constant	S2 90'
Thermal threshold	KTY84-130
Rotor Moment of Inertia	16.05 kgm <sup>2</sup> x10 <sup>-4</sup>

## Motor Feedback

Analogue sinusoidal outputs	Power supply + 5V DC
Signal amplitude	2 ± 0.1 Vpp
Canal A- Canal B	Shift 90 °
Risolution	1 sinusoidal / RPM

## Other Features

Insulation Class	H
Ambient Temp.	0 to +40°C
Level of Protection	IP54
Enclosure	Totally enclose; self-cooled

## Optional brake

Rated Voltage +/- 10 %	Vcc
Braking torque	Nm



### Duty Cycle Curve PSFBL72

