

MOTOR TECHNICAL SPECIFICATIONS

Technical features

Type of technology: MOTOR BL

Motor Code:

Winding code: PSFBL123

Performance and Specifications

Applied voltage	49 Vrms
Rated speed	2300 Rpm
Nominal Power	5000 W
Nominal Torque	20 Nm
Nominal Current	62 Arms
Peak Torque	51.7 Nm
Peak Current	144 Arms
Stall Torque	60.3 Nm
Stall Current	169 Arms
N. Poles	6
Connection	Y
Ke	21.6 V/1000rpm
Kt	0.35725 Nm/A
Winding resistance +/-5%	0.04 Ohm
Winding inductance	0.0161mH
Thermal constant	S2 60'
Thermal threshold	KTY84-130
Rotor Moment of Inertia	47.3 kgm ² x10 ⁻⁴

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 PSFBL123

