

MOTOR TECHNICAL SPECIFICATIONS

Technical features

Type of technology: MOTOR BL

Motor Code:

Winding code: PSFBL83

Performance and Specifications

Applied voltage	43 Vrms
Rated speed	3000 Rpm
Nominal Power	1500 W
Nominal Torque	5 Nm
Nominal Current	23 Arms
Peak Torque	19 Nm
Peak Current	81 Arms
Stall Torque	23 Nm
Stall Current	95 Arms
N. Poles	6
Connection	Y
Ke	14.4 V/1000rpm
Kt	0.23817 Nm/A
Winding resistance +/-5%	0.068 Ohm
Winding inductance	0.227 mH
Thermal constant	S2 6'
Thermal threshold	KTY84-130
Rotor Moment of Inertia	16.05 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 PSFBL83

