

MOTOR TECHNICAL SPECIFICATIONS

Technical features

Type of technology: MOTOR BL

Motor Code:

Winding code: PSFBL137

Performance and Specifications

Applied voltage	46 Vrms
Rated speed	2200 Rpm
Nominal Power	8000 W
Nominal Torque	34.5 Nm
Nominal Current	110 Arms
Peak Torque	101 Nm
Peak Current	305 Arms
Stall Torque	118 Nm
Stall Current	356 Arms
N. Poles	6
Connection	Y
Ke	20.1 V/1000rpm
Kt	0.33244 Nm/A
Winding resistance +/-5%	0.016 Ohm
Winding inductance	0.095 mH
Thermal constant	S2 60'
Thermal threshold	KTY84-130
Rotor Moment of Inertia	$\text{kgm}^2 \times 10^{-4}$

Motor Feedback

Analogue sinusoidal outputs	Power supply + 5V DC
Signal amplitude	$2 \pm 0.1 \text{ Vpp}$
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 PSFBL137

