

# MOTOR TECHNICAL SPECIFICATIONS

## Technical features

Type of technology: MOTOR BL

Motor Code:

Winding code: PSFBL74

## Performance and Specifications

Applied voltage	25.2 Vrms
Rated speed	2500 Rpm
Nominal Power	1500 W
Nominal Torque	5.9 Nm
Nominal Current	42Arms
Peak Torque	17.2 Nm
Peak Current	100 A
Stall Torque	24 Nm
Stall Current	140 A
N. Poles	6
Connection	Y
Ke	10.5 V/1000rpm
Kt	0.17366 Nm/A
Winding resistance +/-5%	0.032 Ohm
Winding inductance	0.118 mH
Thermal constant	S2 60'
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 PSFBL74

