

MOTOR TECHNICAL SPECIFICATIONS

## Technical features

Type of technology: MOTOR BL

Motor Code:

Winding code: PSFBL16

## Performance and Specifications

Applied voltage	52 Vrms
Rated speed	2500 Rpm
Nominal Power	3000 W
Nominal Torque	11 Nm
Nominal Current	40 Arms
Peak Torque	28.8 Nm
Peak Current	82 Arms
Stall Torque	33.5 Nm
Stall Current	995 Arms
N. Poles	6
Connection	Y
Ke	21.2 V/1000rpm
Kt	0.35097 Nm/A
Winding resistance +/-5%	0.094 Ohm
Winding inductance	0.334 mH
Thermal constant	S2 60'
Thermal threshold	KTY84-130
Rotor Moment of Inertia	32.76 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 °
Resolution	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 PSFBL16

