

MOTOR TECHNICAL SPECIFICATIONS

## Technical features

Type of technology: MOTOR BL

Motor Code:

Winding code: PSFBL165

## Performance and Specifications

Applied voltage	64 Vrms
Rated speed	3100 Rpm
Nominal Power	20000 W
Nominal Torque	62 Nm
Nominal Current	195 Arms
Peak Torque	265 Nm
Peak Current	750 Arms
Stall Torque	300 Nm
Stall Current	870 Arms
N. Poles	6
Connection	Y
Ke	21.5 V/1000rpm
Kt	0.3556 Nm/A
Winding resistance +/-5%	0.007 Ohm
Winding inductance	0.057 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 PSFBL165

