

# MOTOR TECHNICAL SPECIFICATIONS

## Technical features

Type of technology: MOTOR BL

Motor Code:

Winding code: PSFBL84

## Performance and Specifications

Applied voltage	3x66 Vrms
Rated speed	2200 Rpm
Nominal Power	5000 W
Nominal Torque	22 Nm
Nominal Current	52 Arms
Peak Torque	84 Nm
Peak Current	178 A
Stall Torque	98 Nm
Stall Current	207 A
N. Poles	6
Connection	Y
Ke	28.7 V/1000rpm
Kt	0.47648 Nm/A
Winding resistance +/-5%	0.036 Ohm
Winding inductance	0.211 mH
Thermal constant	S2 60'
Thermal threshold	KTY84-130
Rotor Moment of Inertia	- 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

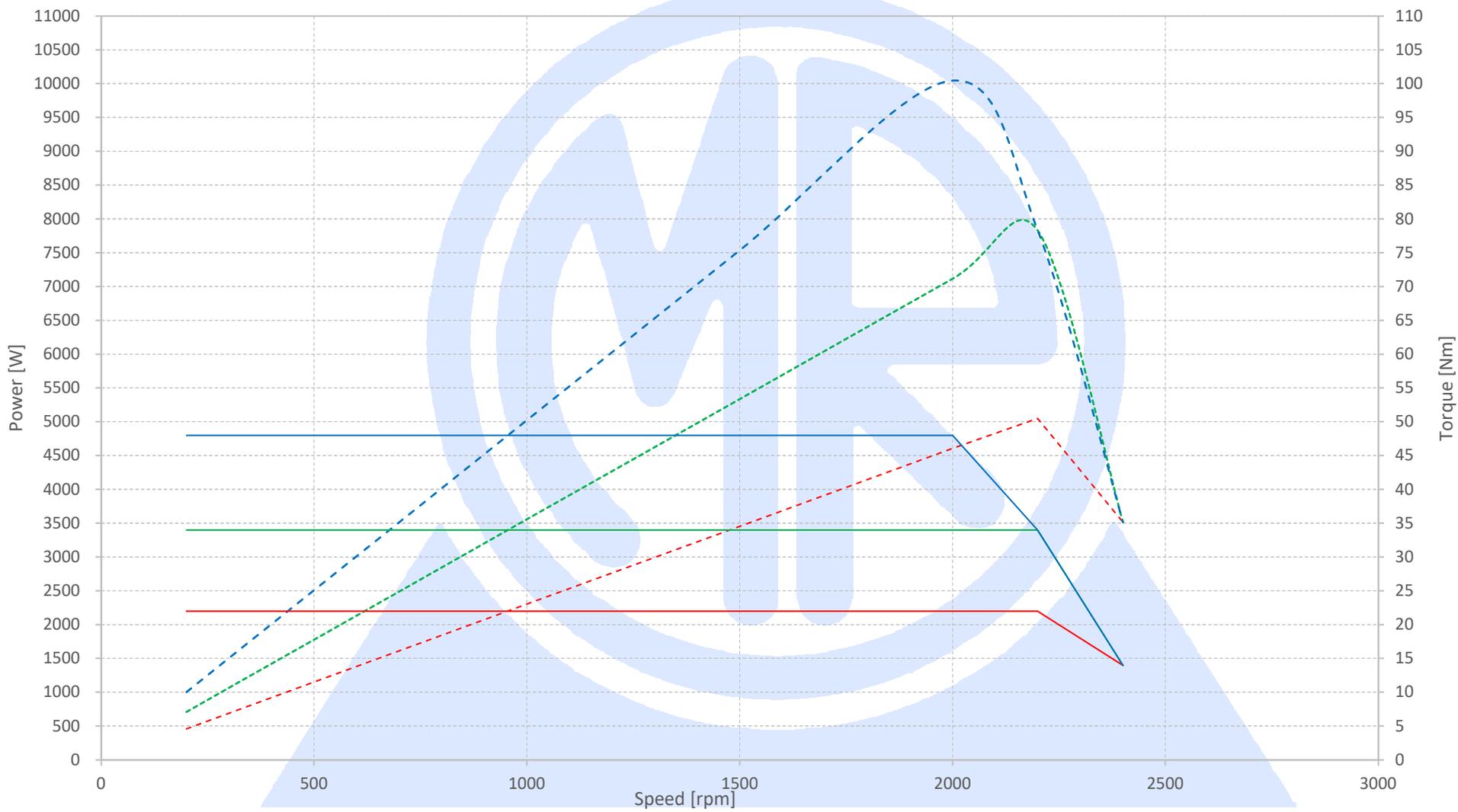
Insulation Class	H
Ambient Temp.	0 to +40°C
Level of Protection	IP54
Enclosure	Totally enclose; self-cooled

## Optional brake

Rated Voltage +/- 10 %	Vcc
Braking torque	Nm



### Duty Cycle Curve PSFBL84



--- Power 60 min    --- Power 30 min    --- Power 5 min    — Torque 60 min    — Torque 30 min    — Torque 5 min