

Engineering data (WIN 811)

DC bus voltage	560 V DC
Nominal AC voltage	380 V AC (rms)
Rated voltage	301 V AC (rms)
Rated power	320 W
Rated speed	4500 rpm
Rated torque	0.68 Nm
Rated current	0.83 A (rms)
Peak torque	3 Nm
Peak current	3.9 A (rms)
Stall torque	0.75 Nm
Stall current	0.86 A (rms)
No load speed	7100 rpm
EMF constant ±10%	53 V AC (rms) / 1000rpm
Theoretical torque constant ±10%	0.88 Nm / A (rms)
Torque constant ±10% @ rated load	0.82 Nm / A (rms)
Number of poles	6
Electrical time constant	1.34 ms
Winding terminal resistance	53.86 Ω
Rotary field terminal inductance	72.1 mH

Customs info

HS Code	85015100
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Mechanical data (setting 49)

Max mechanical speed	12000 rpm
Mech. time constant	1.09 ms
Thermal time constant	12 min
Rotor inertia	0.09 kgcm ²
Protection	IP64
Color	RAL 9005
Cooling	Convection
Motor-only mass	1.54 kg
Max. axial force 20kh	43 N
Max. radial force 20kh	227 N*
Max. axial force 100kh	25 N
Max. radial force 100kh	133 N*

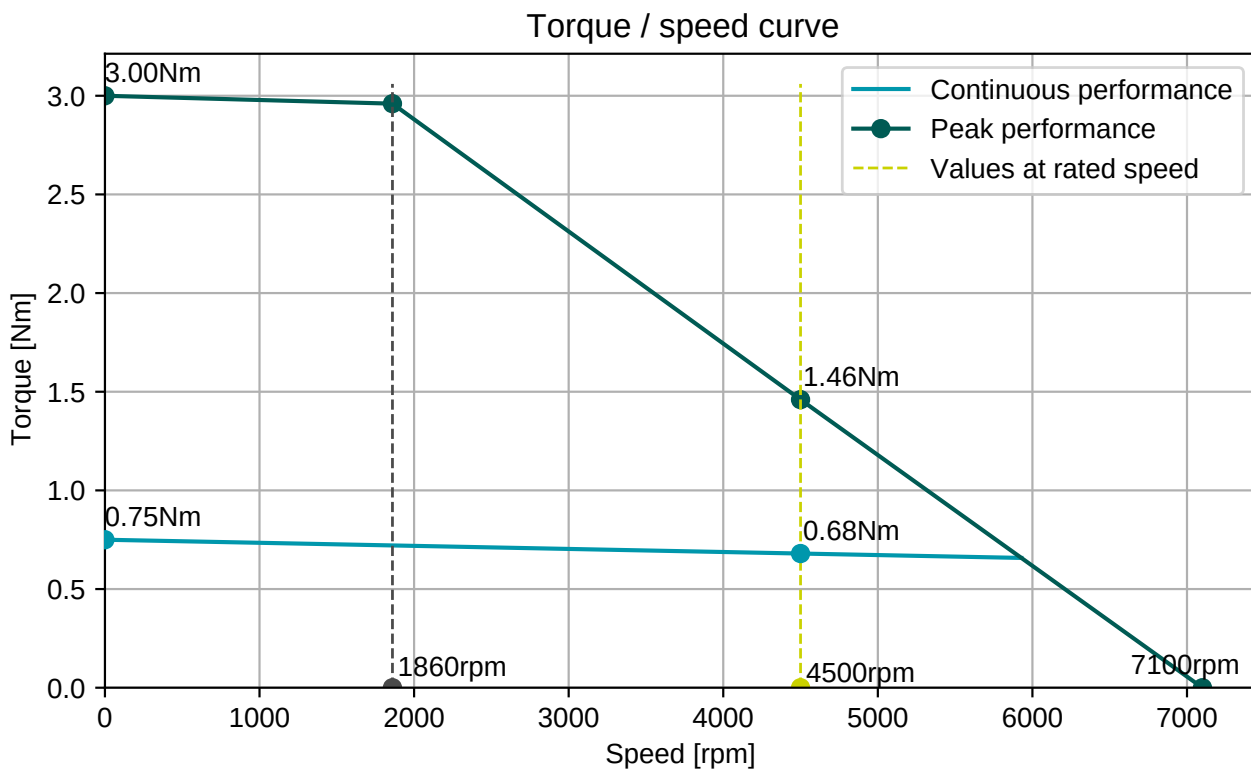
* Defined for point of action at ½ output shaft length

Sensors

Temperature	PT1000 {PT1000}
Feedback	SKM36 (Hiperface) multi-turn, 128 sin/cos+12bits

Brake

Braking torque	2.00 Nm
Voltage	24 V DC
Power @20°C	11.0 W
Current @20°C	0.46 A
Inertia	0.08 kgcm ²
Mass	0.20 kg


BGC110N00001216000

M23, 8 poles, rotary


AGC113N00001215000

M23, 17 poles, rotary


Connector 1 (9)

1	U
4	V
3	W
2	PE
A	Brake+
B	Brake-
C	
D	

Connector 2 (130)

1/9	SIN/REFSIN
3/11	COS/REFCOS
5/13	DATA/DATA-
4/2	Us/GND
14/7	Therm

