

Engineering data (WIN 1109)

DC bus voltage	560 V DC
Nominal AC voltage	380 V AC (rms)
Rated voltage	334 V AC (rms)
Rated power	5.5 kW
Rated speed	2000 rpm
Rated torque	26.10 Nm
Rated current	11.72 A (rms)
Peak torque	85 Nm
Peak current	40.8 A (rms)
Stall torque	30 Nm
Stall current	11.6 A (rms)
No load speed	2420 rpm
EMF constant ±10%	157 V AC (rms) / 1000rpm
Theoretical torque constant ±10%	2.6 Nm / A (rms)
Torque constant ±10% @ rated load	2.2 Nm / A (rms)
Number of poles	10
Electrical time constant	15.88 ms
Winding terminal resistance	0.8 Ω
Rotary field terminal inductance	12.7 mH

Customs info

HS Code	85015220
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Mechanical data (setting 16)

Max mechanical speed	6000 rpm
Mech. time constant	1.02 ms
Thermal time constant	80 min
Rotor inertia	49.5 kgcm ²
Protection	IP64
Color	RAL 9005
Cooling	Convection
Motor-only mass	18.5 kg
Max. axial force 20kh	292 N
Max. radial force 20kh	1537 N*
Max. axial force 100kh	171 N
Max. radial force 100kh	899 N*

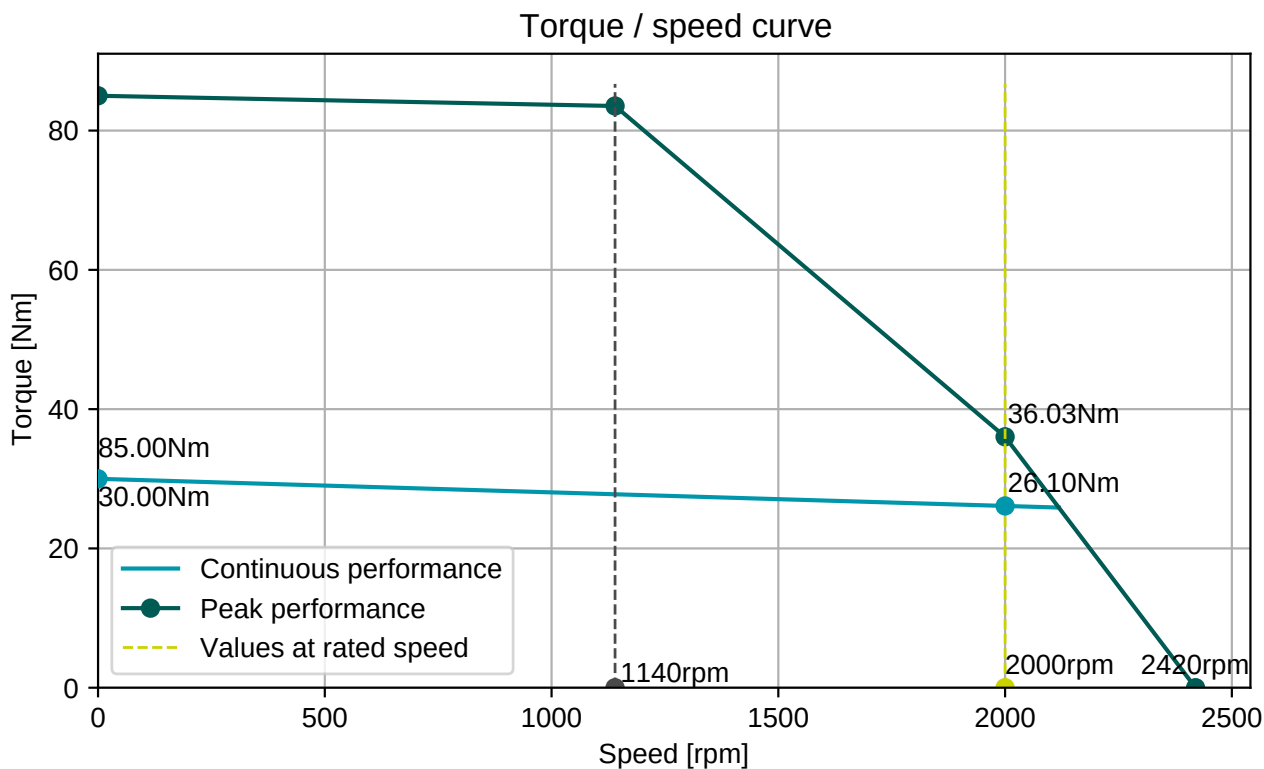
* Defined for point of action at ½ output shaft length

Sensors

Temperature	PT1000 {PT1000}
Feedback	SRM50 (Hiperface) multi-turn, 1024 sin/cos+12bits

Brake

Braking torque	36.00 Nm
Voltage	24 V DC
Power @20°C	26.0 W
Current @20°C	1.08 A
Inertia	6.20 kgcm ²
Mass	2.85 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

