

Engineering data (WIN 976)

DC bus voltage	560 V DC
Nominal AC voltage	380 V AC (rms)
Rated voltage	269 V AC (rms)
Rated power	3.1 kW
Rated speed	2000 rpm
Rated torque	14.80 Nm
Rated current	8.56 A (rms)
Peak torque	51 Nm
Peak current	32.9 A (rms)
Stall torque	18 Nm
Stall current	8.8 A (rms)
No load speed	3080 rpm
EMF constant ±10%	123 V AC (rms) / 1000rpm
Theoretical torque constant ±10%	2.03 Nm / A (rms)
Torque constant ±10% @ rated load	1.73 Nm / A (rms)
Number of poles	10
Electrical time constant	11.51 ms
Winding terminal resistance	1.19 Ω
Rotary field terminal inductance	13.7 mH

Customs info

HS Code	85015220
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Mechanical data (setting 16)

Max mechanical speed	6000 rpm
Mech. time constant	0.92 ms
Thermal time constant	42 min
Rotor inertia	18.5 kgcm ²
Protection	IP64
Color	RAL 9005
Cooling	Convection
Motor-only mass	13.7 kg
Max. axial force 20kh	152 N
Max. radial force 20kh	800 N*
Max. axial force 100kh	89 N
Max. radial force 100kh	468 N*

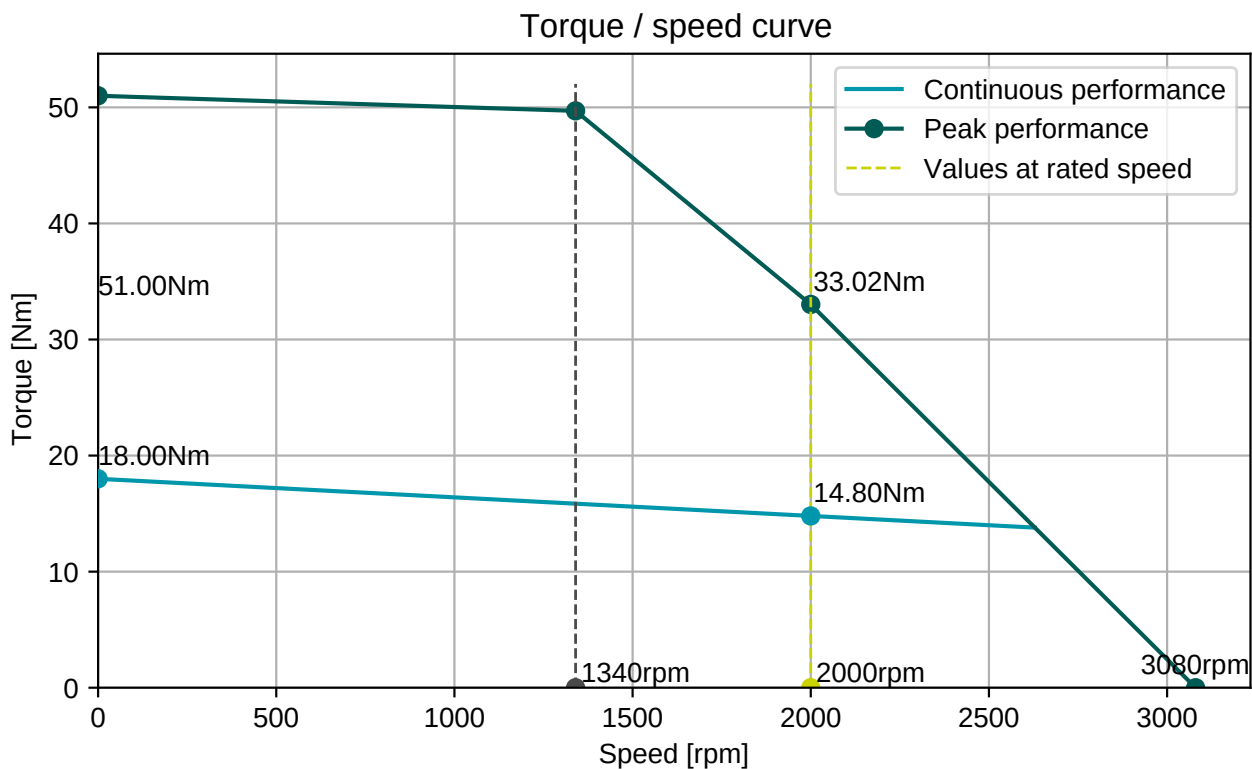
* Defined for point of action at ½ output shaft length

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

