

Engineering data (WIN 1233)

DC bus voltage	320 V DC
Nominal AC voltage	220 V AC (rms)
Rated voltage	169 V AC (rms)
Rated power	6.9 kW
Rated speed	2000 rpm
Rated torque	32.80 Nm
Rated current	28.23 A (rms)
Peak torque	120 Nm
Peak current	108.5 A (rms)
Stall torque	40 Nm
Stall current	30.6 A (rms)
No load speed	2780 rpm
EMF constant ±10%	81 V AC (rms) / 1000rpm
Theoretical torque constant ±10%	1.307 Nm / A (rms)
Torque constant ±10% @ rated load	1.162 Nm / A (rms)
Number of poles	10
Electrical time constant	16.88 ms
Winding terminal resistance	0.138 Ω
Rotary field terminal inductance	2.33 mH

Customs info

HS Code	85015220
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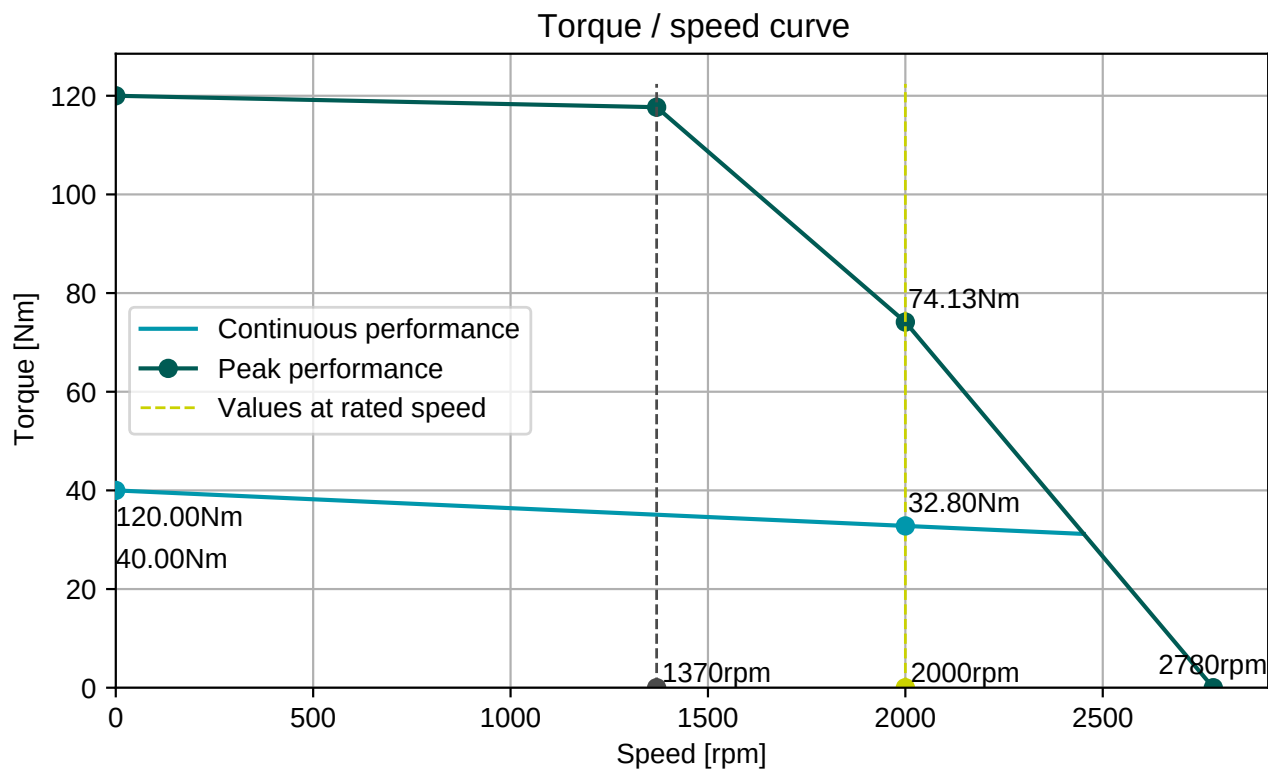
Mechanical data (setting 16)

Max mechanical speed	6000 rpm
Mech. time constant	0.92 ms
Thermal time constant	90 min
Rotor inertia	69 kgcm ²
Protection	IP64
Color	RAL 9005
Cooling	Convection
Max. axial force 20kh	281 N
Max. radial force 20kh	1478 N*
Max. axial force 100kh	164 N
Max. radial force 100kh	864 N*

* Defined for point of action at ½ output shaft length

Sensors

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


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

