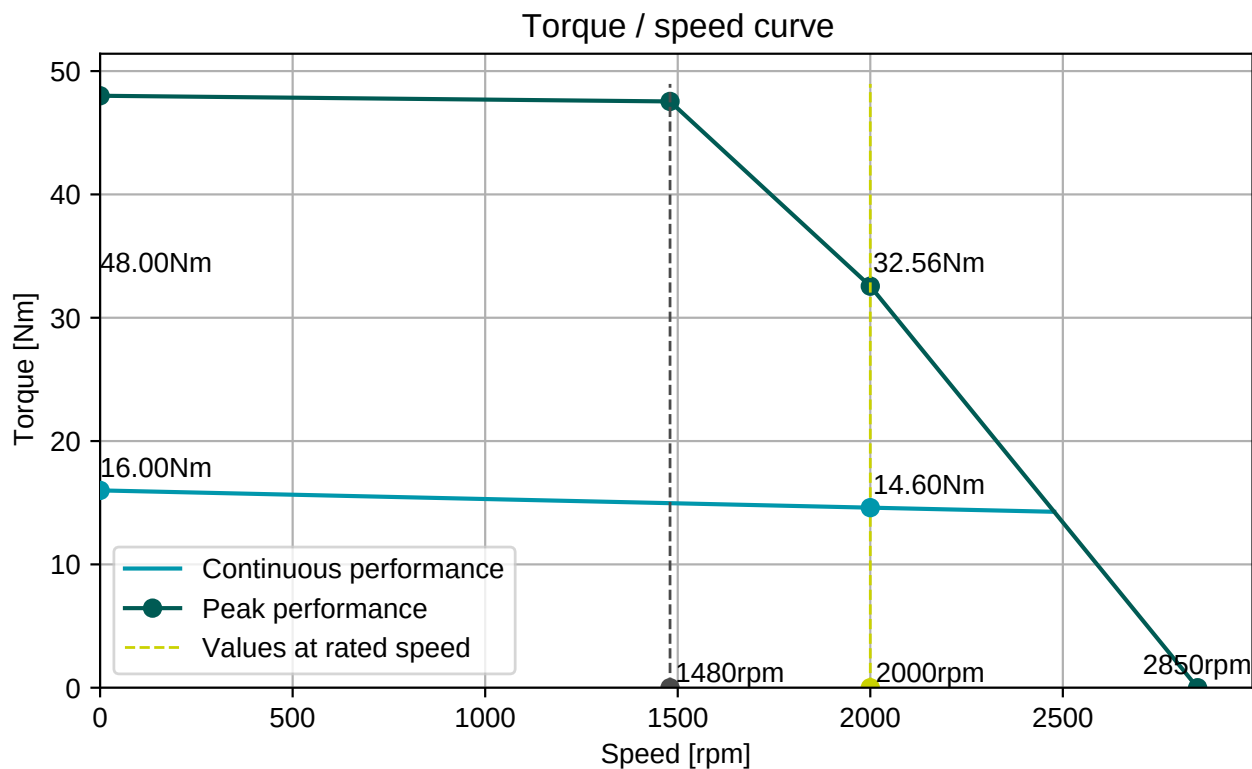


Engineering data (WIN 730)		Mechanical data (setting 46)	
DC bus voltage	320 V DC	Max mechanical speed	9000 rpm
Nominal AC voltage	220 V AC (rms)	Mech. time constant	0.70 ms
Rated voltage	166 V AC (rms)	Thermal time constant	55 min
Rated power	3.1 kW	Rotor inertia	11.5 kgcm ²
Rated speed	2000 rpm	Protection	IP64
Rated torque	14.60 Nm	Color	RAL 9005
Rated current	12.59 A (rms)	Cooling	Convection
Peak torque	48 Nm	Motor-only mass	9.5 kg
Peak current	44.3 A (rms)	Max. axial force 20kh	157 N
Stall torque	16 Nm	Max. radial force 20kh	829 N*
Stall current	12.6 A (rms)	Max. axial force 100kh	92 N
No load speed	2850 rpm	Max. radial force 100kh	485 N*
EMF constant ±10%	77 V AC (rms) / 1000rpm	* Defined for point of action at ½ output shaft length	
Theoretical torque constant ±10%	1.27 Nm / A (rms)	Sensors	
Torque constant ±10% @ rated load	1.16 Nm / A (rms)	Temperature	PT1000 {PT1000}
Number of poles	10	Feedback	SKM36 (Hiperface) multi-turn, 128 sin/cos+12bits
Electrical time constant	8.60 ms	Brake	
Winding terminal resistance	0.57 Ω	Braking torque	18.00 Nm
Rotary field terminal inductance	4.9 mH	Voltage	24 V DC
Customs info		Power @20°C	24.0 W
HS Code	85015220	Current @20°C	1.00 A
		Inertia	2.00 kgcm ²
		Mass	1.80 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

