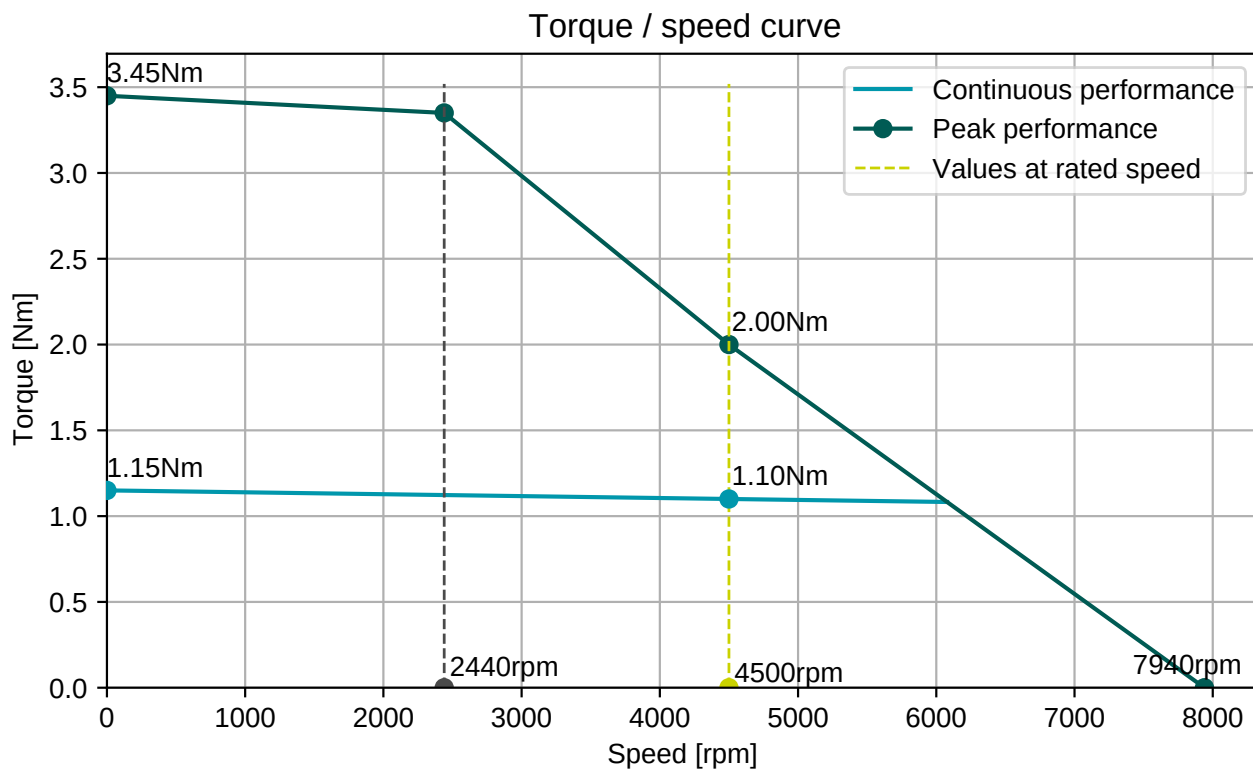


Engineering data (WIN 960)		Mechanical data (setting 29)	
DC bus voltage	320 V DC	Max mechanical speed	12000 rpm
Nominal AC voltage	220 V AC (rms)	Mech. time constant	1.39 ms
Rated voltage	154 V AC (rms)	Thermal time constant	21 min
Rated power	518 W	Rotor inertia	0.31 kgcm ²
Rated speed	4500 rpm	Protection	IP64
Rated torque	1.10 Nm	Color	RAL 9005
Rated current	2.94 A (rms)	Cooling	Convection
Peak torque	3.45 Nm	Motor-only mass	2 kg
Peak current	11.1 A (rms)	Max. axial force 20kh	50 N
Stall torque	1.15 Nm	Max. radial force 20kh	261 N*
Stall current	2.53 A (rms)	Max. axial force 100kh	29 N
No load speed	7940 rpm	Max. radial force 100kh	153 N*
EMF constant ±10%	27.5 V AC (rms) / 1000rpm	* Defined for point of action at ½ output shaft length	
Theoretical torque constant ±10%	0.45 Nm / A (rms)	Sensors	
Torque constant ±10% @ rated load	0.37 Nm / A (rms)	Temperature	PT1000 {PT1000}
Number of poles	10	Feedback	EQI1131 (EnDat 2.2) multi-turn, 19 + 12 bits
Electrical time constant	2.23 ms	Brake	
Winding terminal resistance	5.37 Ω	Braking torque	4.50 Nm
Rotary field terminal inductance	12 mH	Voltage	24 V DC
Customs info		Power @20°C	12.0 W
HS Code	85015100	Current @20°C	0.50 A
		Inertia	0.20 kgcm ²
		Mass	0.47 kg


BGC110N00001216000

M23, 8 poles, rotary


AGC052N00001215000

M23, 12 poles, rotary


Connector 1 (9)

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

Connector 2 (293)

1	Vcc (+5V)
2	GND
3	DATA
4	DATA-
5	CLOCK
6	CLOCK-
7	Therm+
8	Therm-
9	Vcc sensor
10	GND sensor

