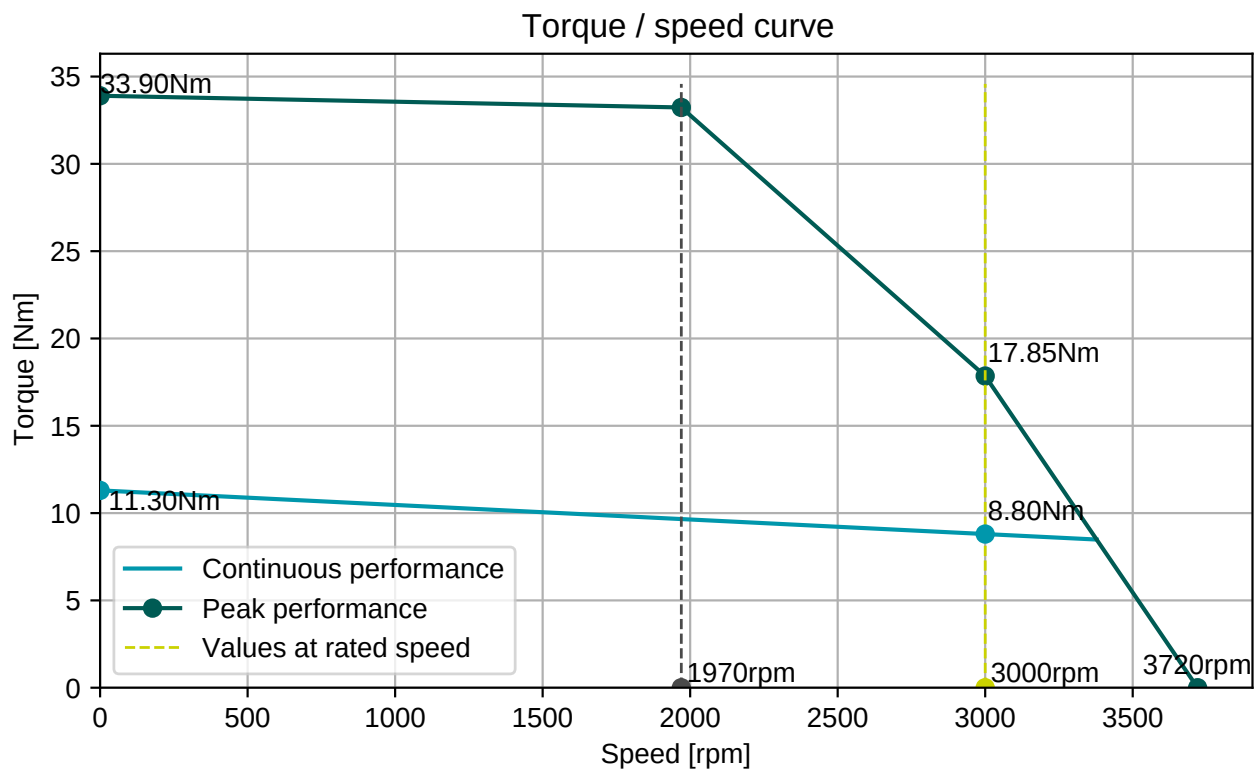


Engineering data (WIN 829)		Mechanical data (setting 46)	
DC bus voltage	320 V DC	Max mechanical speed	9000 rpm
Nominal AC voltage	220 V AC (rms)	Mech. time constant	0.61 ms
Rated voltage	172 V AC (rms)	Thermal time constant	40 min
Rated power	2.8 kW	Rotor inertia	5.7 kgcm ²
Rated speed	3000 rpm	Protection	IP64
Rated torque	8.80 Nm	Color	RAL 9005
Rated current	11.42 A (rms)	Cooling	Convection
Peak torque	33.9 Nm	Motor-only mass	8.5 kg
Peak current	43.1 A (rms)	Max. axial force 20kh	135 N
Stall torque	11.3 Nm	Max. radial force 20kh	713 N*
Stall current	11.6 A (rms)	Max. axial force 100kh	79 N
No load speed	3720 rpm	Max. radial force 100kh	417 N*
EMF constant ±10%	59 V AC (rms) / 1000rpm	* Defined for point of action at ½ output shaft length	
Theoretical torque constant ±10%	0.98 Nm / A (rms)		
Torque constant ±10% @ rated load	0.77 Nm / A (rms)		
Number of poles	10	Sensors	
Electrical time constant	6.27 ms	Temperature	PT1000 {PT1000}
Winding terminal resistance	0.59 Ω	Feedback	SKM36 (Hiperface) multi-turn, 128 sin/cos+12bits
Rotary field terminal inductance	3.7 mH	Brake	
Customs info		Braking torque	9.00 Nm
HS Code	85015220	Voltage	24 V DC
		Power @20°C	18.0 W
		Current @20°C	0.75 A
		Inertia	0.60 kgcm ²
		Mass	0.82 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

