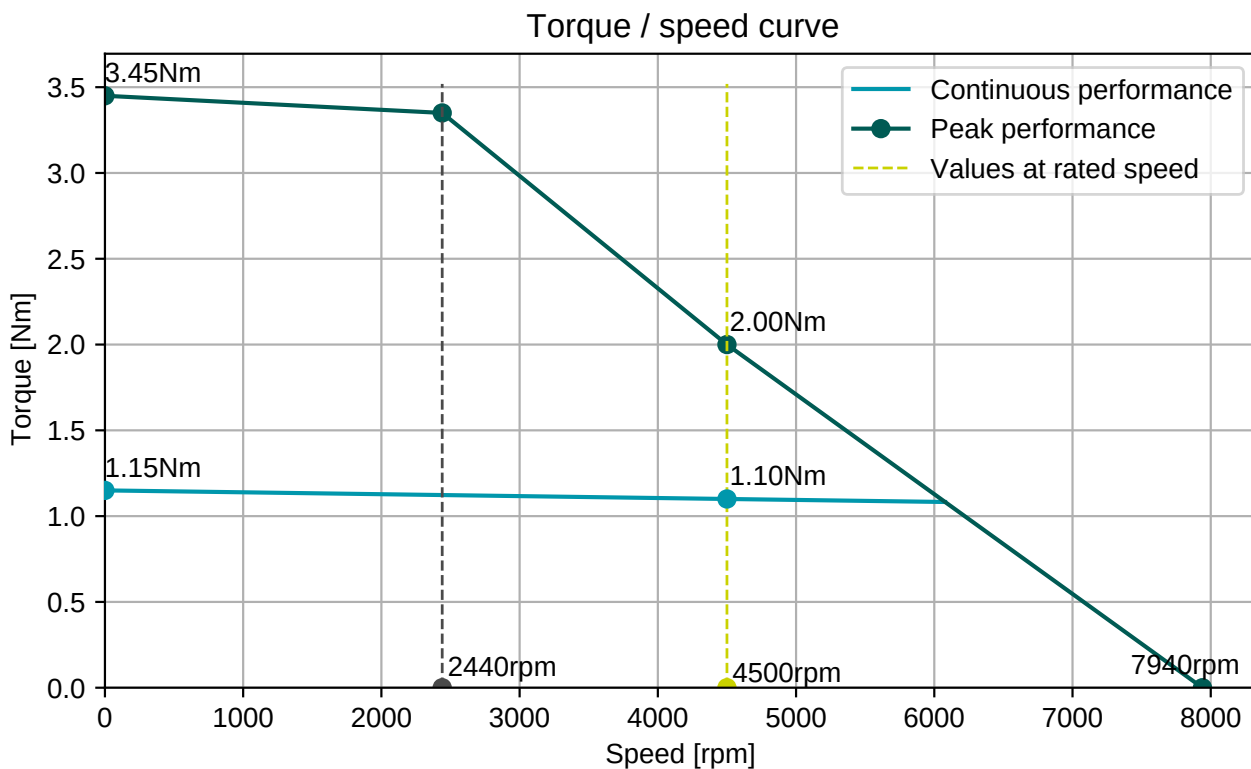


Engineering data (WIN 960)		Mechanical data (setting 46)							
DC bus voltage	320 V DC	Max mechanical speed	12000 rpm						
Nominal AC voltage	220 V AC (rms)	Mech. time constant	1.39 ms						
Rated voltage	154 V AC (rms)	Thermal time constant	21 min						
Rated power	518 W	Rotor inertia	0.31 kgcm²						
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	1.5 kg						
Peak current	11.1 A (rms)	Max. axial force 20kh	47 N						
Stall torque	1.15 Nm	Max. radial force 20kh	247 N*						
Stall current	2.53 A (rms)	Max. axial force 100kh	27 N						
No load speed	7940 rpm	Max. radial force 100kh	145 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)								
Torque constant ±10% @ rated load	0.37 Nm / A (rms)	<table><tr><th colspan="2">Sensors</th></tr><tr><td>Temperature</td><td>PT1000 {PT1000}</td></tr><tr><td>Feedback</td><td>SKM36 (Hiperface) multi-turn, 128 sin/cos+12bits</td></tr></table>		Sensors		Temperature	PT1000 {PT1000}	Feedback	SKM36 (Hiperface) multi-turn, 128 sin/cos+12bits
Sensors									
Temperature	PT1000 {PT1000}								
Feedback	SKM36 (Hiperface) multi-turn, 128 sin/cos+12bits								
Number of poles	10								
Electrical time constant	2.23 ms								
Winding terminal resistance	5.37 Ω								
Rotary field terminal inductance	12 mH								

Customs info	
HS Code	85015100


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

