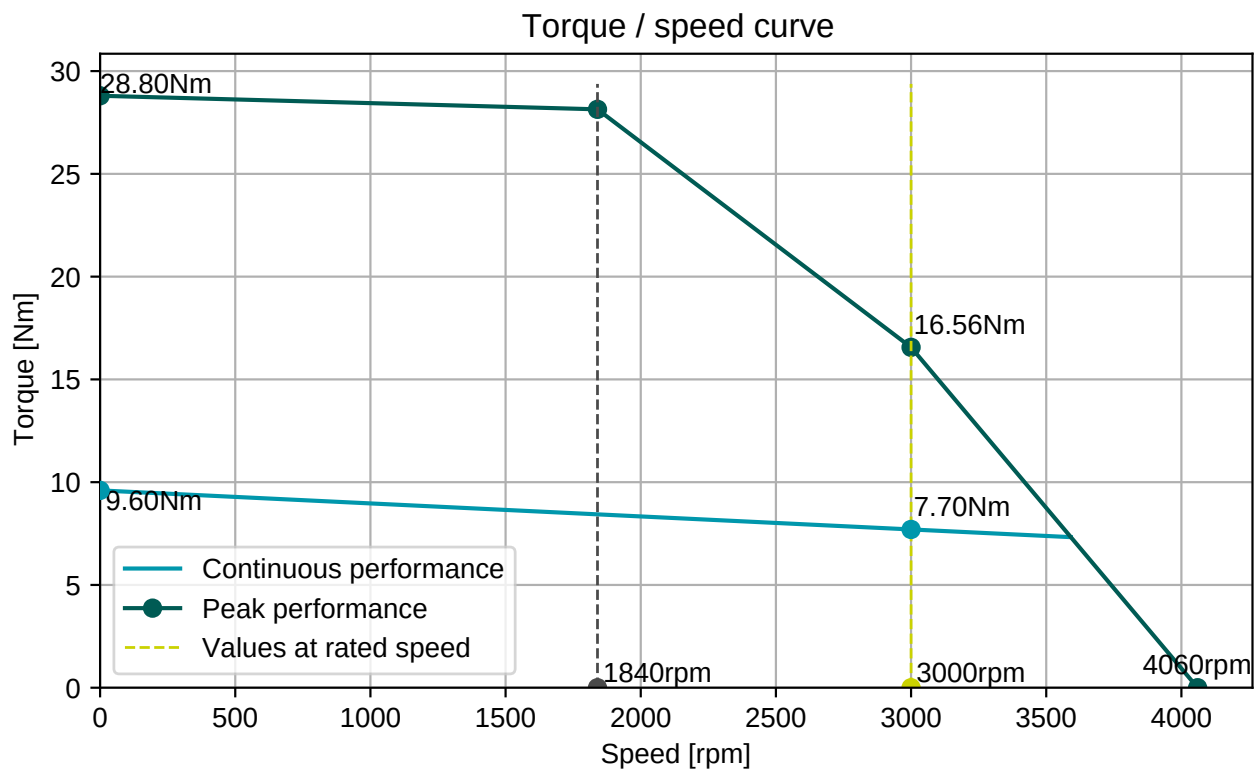


Engineering data (WIN 712)		Mechanical data (setting 29)	
DC bus voltage	320 V DC	Max mechanical speed	9000 rpm
Nominal AC voltage	220 V AC (rms)	Mech. time constant	0.58 ms
Rated voltage	161 V AC (rms)	Thermal time constant	35 min
Rated power	2.4 kW	Rotor inertia	4.49 kgcm ²
Rated speed	3000 rpm	Protection	IP64
Rated torque	7.70 Nm	Color	RAL 9005
Rated current	10.84 A (rms)	Cooling	Convection
Peak torque	28.8 Nm	Motor-only mass	6.4 kg
Peak current	49.2 A (rms)	Max. axial force 20kh	131 N
Stall torque	9.6 Nm	Max. radial force 20kh	689 N*
Stall current	10.7 A (rms)	Max. axial force 100kh	77 N
No load speed	4060 rpm	Max. radial force 100kh	403 N*
EMF constant ±10%	54 V AC (rms) / 1000rpm	* Defined for point of action at ½ output shaft length	
Theoretical torque constant ±10%	0.89 Nm / A (rms)		
Torque constant ±10% @ rated load	0.71 Nm / A (rms)		
Number of poles	10		
Electrical time constant	6.10 ms		
Winding terminal resistance	0.59 Ω		
Rotary field terminal inductance	3.6 mH		

Customs info	
HS Code	85015220

Sensors	
Temperature	PT1000 {PT1000}
Feedback	EQI1131 (EnDat 2.2) multi-turn, 19 + 12 bits


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

