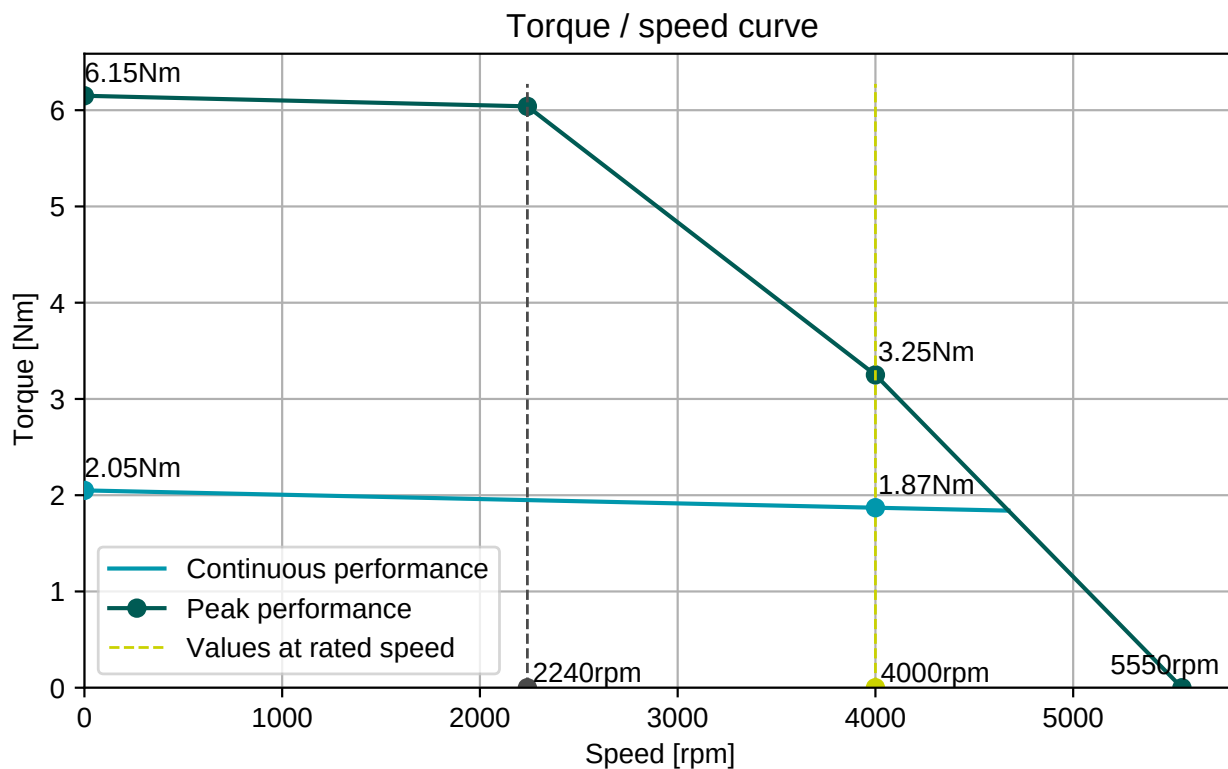


Engineering data (WIN 996)		Mechanical data (setting 48)	
DC bus voltage	320 V DC	Max mechanical speed	12000 rpm
Nominal AC voltage	220 V AC (rms)	Mech. time constant	0.94 ms
Rated voltage	173 V AC (rms)	Thermal time constant	23 min
Rated power	783 W	Rotor inertia	0.55 kgcm ²
Rated speed	4000 rpm	Protection	IP64
Rated torque	1.87 Nm	Color	RAL 9005
Rated current	3.53 A (rms)	Cooling	Convection
Peak torque	6.15 Nm	Motor-only mass	2 kg
Peak current	12.7 A (rms)	Max. axial force 20kh	58 N
Stall torque	2.05 Nm	Max. radial force 20kh	305 N*
Stall current	3.14 A (rms)	Max. axial force 100kh	34 N
No load speed	5550 rpm	Max. radial force 100kh	178 N*
EMF constant ±10%	39.5 V AC (rms) / 1000rpm	* Defined for point of action at ½ output shaft length	
Theoretical torque constant ±10%	0.65 Nm / A (rms)	Sensors	
Torque constant ±10% @ rated load	0.53 Nm / A (rms)	Temperature	PT1000 {PT1000}
Number of poles	10	Feedback	EKS36 (HDSL) single-turn, 18 bits, SIL2
Electrical time constant	2.52 ms	Brake	
Winding terminal resistance	4.21 Ω	Braking torque	4.50 Nm
Rotary field terminal inductance	10.6 mH	Voltage	24 V DC
Customs info		Power @20°C	12.0 W
HS Code	85015220	Current @20°C	0.50 A
		Inertia	0.20 kgcm ²
		Mass	0.47 kg


BGC110N00001216000

M23, 8 poles, rotary


Connector 1 (283)

1	U
4	V
3	W
2	PE
A	Brake+
B	Brake-
C	GND/DSL-
D	+Us/DSL+

