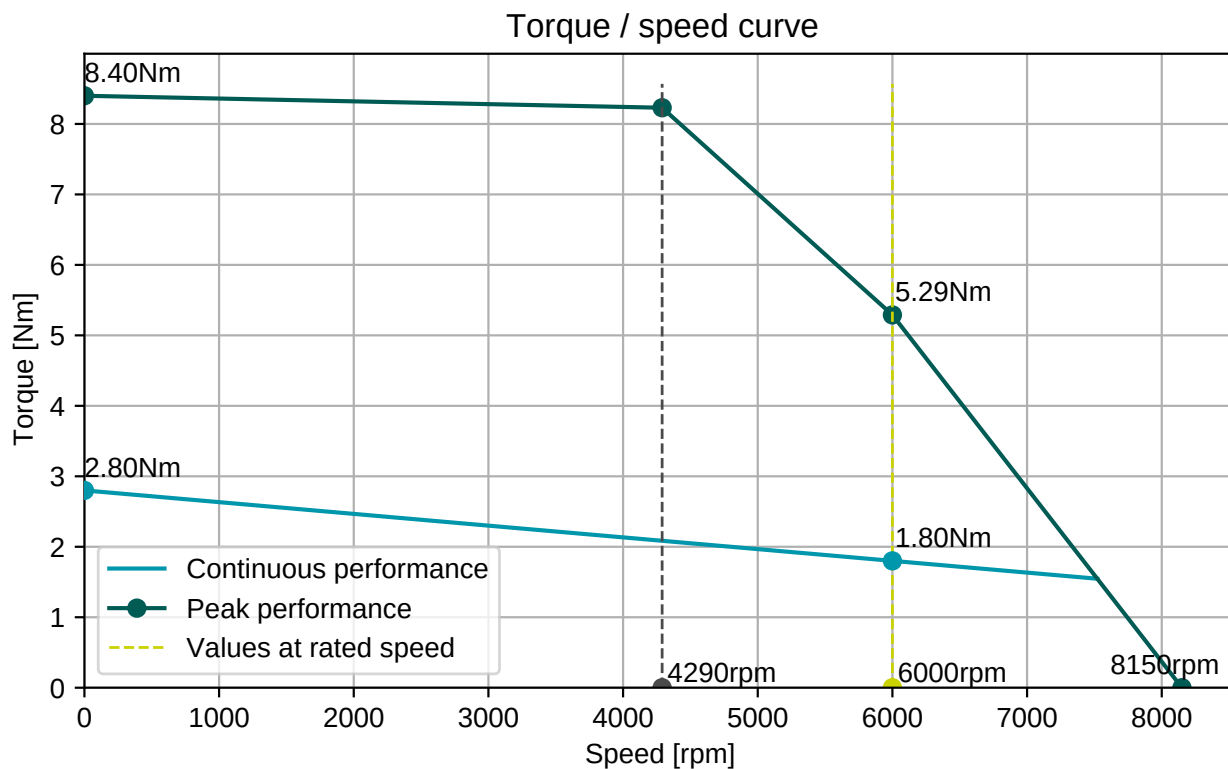


Engineering data (WIN 1630)		Mechanical data (setting 48)	
DC bus voltage	560 V DC	Max mechanical speed	12000 rpm
Nominal AC voltage	380 V AC (rms)	Mech. time constant	0.82 ms
Rated voltage	279 V AC (rms)	Thermal time constant	25 min
Rated power	1.1 kW	Rotor inertia	0.8 kgcm ²
Rated speed	6000 rpm	Protection	IP64
Rated torque	1.80 Nm	Color	RAL 9005
Rated current	2.79 A (rms)	Cooling	Convection
Peak torque	8.4 Nm	Motor-only mass	2.8 kg
Peak current	14.1 A (rms)	Max. axial force 20kh	54 N
Stall torque	2.8 Nm	Max. radial force 20kh	283 N*
Stall current	3.64 A (rms)	Max. axial force 100kh	31 N
No load speed	8150 rpm	Max. radial force 100kh	165 N*
EMF constant ±10%	46.5 V AC (rms) / 1000rpm	* Defined for point of action at ½ output shaft length	
Theoretical torque constant ±10%	0.769 Nm / A (rms)		
Torque constant ±10% @ rated load	0.645 Nm / A (rms)		
Number of poles	10	Sensors	
Electrical time constant	2.53 ms	Temperature	PT1000 {PT1000}
Winding terminal resistance	3.48 Ω	Feedback	EKM36 (HDSL) multi-turn, 18+12 bits, SIL2
Rotary field terminal inductance	8.8 mH	Brake	
Customs info		Braking torque	4.50 Nm
HS Code	85015220	Voltage	24 V DC
		Power @20°C	12.0 W
		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+

