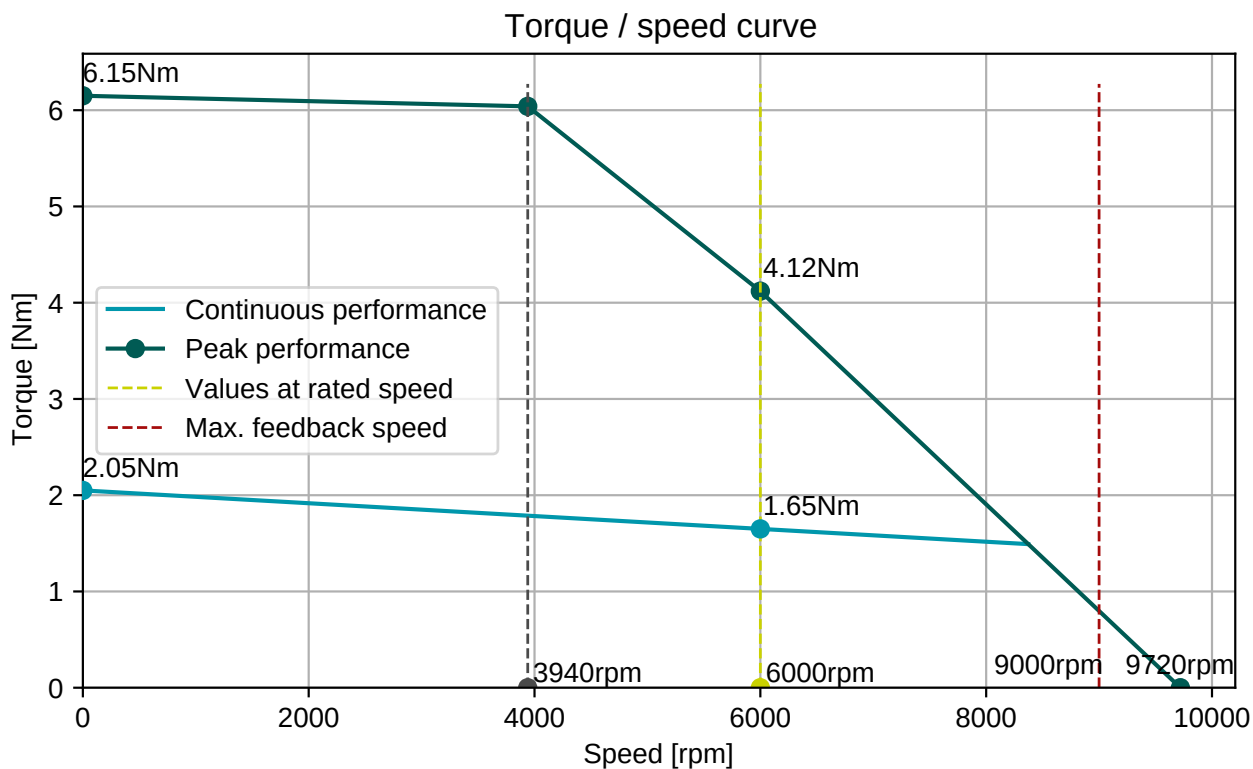


Engineering data (WIN 690)		Mechanical data (setting 48)	
DC bus voltage	560 V DC	Max mechanical speed	12000 rpm
Nominal AC voltage	380 V AC (rms)	Mech. time constant	0.92 ms
Rated voltage	231 V AC (rms)	Thermal time constant	23 min
Rated power	1.0 kW	Rotor inertia	0.55 kgcm ²
Rated speed	6000 rpm	Protection	IP64
Rated torque	1.65 Nm	Color	RAL 9005
Rated current	3.47 A (rms)	Cooling	Convection
Peak torque	6.15 Nm	Motor-only mass	2 kg
Peak current	14.5 A (rms)	Max. axial force 20kh	51 N
Stall torque	2.05 Nm	Max. radial force 20kh	266 N*
Stall current	3.18 A (rms)	Max. axial force 100kh	30 N
No load speed	9720 rpm	Max. radial force 100kh	156 N*
EMF constant ±10%	39 V AC (rms) / 1000rpm	* Defined for point of action at ½ output shaft length	
Theoretical torque constant ±10%	0.65 Nm / A (rms)		
Torque constant ±10% @ rated load	0.48 Nm / A (rms)		
Number of poles	10		
Electrical time constant	2.55 ms		
Winding terminal resistance	4 Ω		
Rotary field terminal inductance	10.2 mH		
Customs info		Sensors	
HS Code	85015220	Temperature	PT1000 {PT1000}
		Feedback	EDM35 (HDSL) multi-turn, 20+12 bits
		Brake	
		Braking torque	4.50 Nm
		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+

