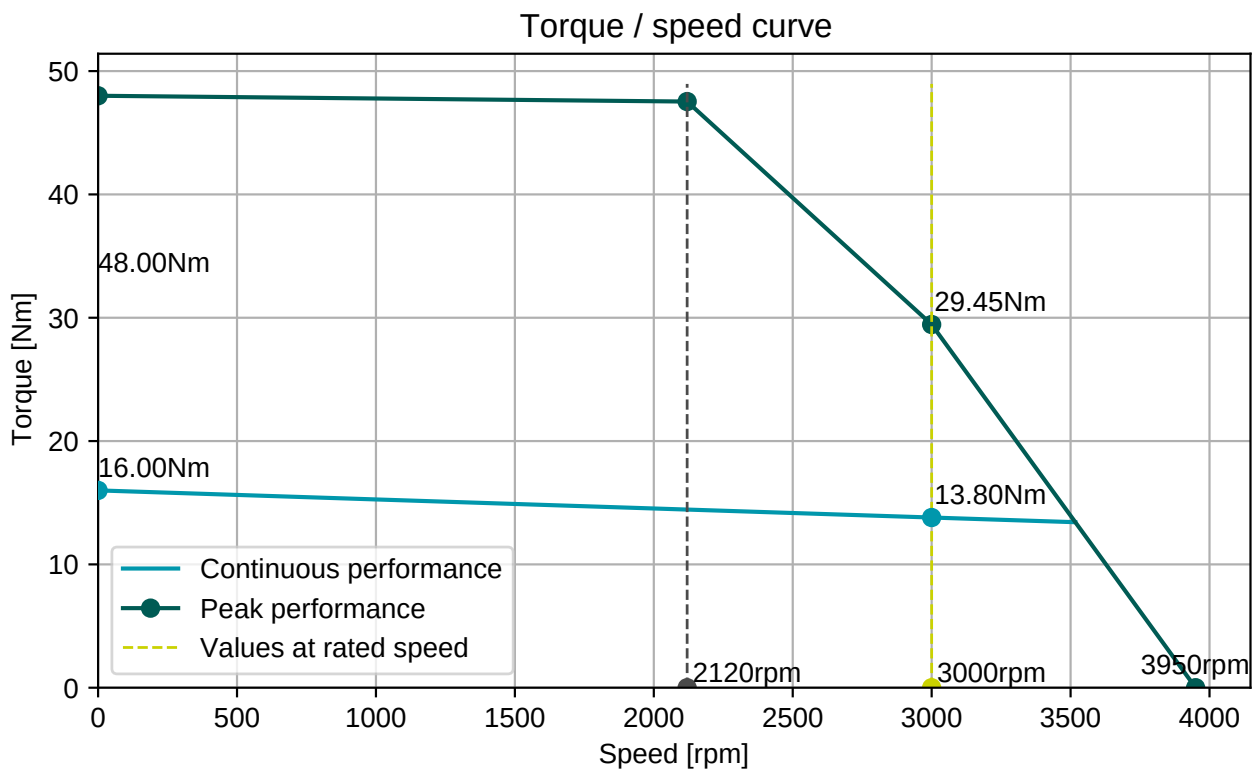


Engineering data (WIN 731)		Mechanical data (setting 48)	
DC bus voltage	560 V DC	Max mechanical speed	9000 rpm
Nominal AC voltage	380 V AC (rms)	Mech. time constant	0.70 ms
Rated voltage	296 V AC (rms)	Thermal time constant	55 min
Rated power	4.3 kW	Rotor inertia	11.5 kgcm ²
Rated speed	3000 rpm	Protection	IP64
Rated torque	13.80 Nm	Color	RAL 9005
Rated current	9.89 A (rms)	Cooling	Convection
Peak torque	48 Nm	Motor-only mass	11.2 kg
Peak current	35.6 A (rms)	Max. axial force 20kh	138 N
Stall torque	16 Nm	Max. radial force 20kh	724 N*
Stall current	10.1 A (rms)	Max. axial force 100kh	80 N
No load speed	3950 rpm	Max. radial force 100kh	423 N*
EMF constant ±10%	96 V AC (rms) / 1000rpm	* Defined for point of action at ½ output shaft length	
Theoretical torque constant ±10%	1.59 Nm / A (rms)		
Torque constant ±10% @ rated load	1.40 Nm / A (rms)		
Number of poles	10	Sensors	
Electrical time constant	8.52 ms	Temperature	PT1000 {PT1000}
Winding terminal resistance	0.88 Ω	Feedback	EKS36 (HDSL) single-turn, 18 bits, SIL2
Rotary field terminal inductance	7.5 mH	Brake	
Customs info		Braking torque	18.00 Nm
HS Code	85015220	Voltage	24 V DC
		Power @20°C	24.0 W
		Current @20°C	1.00 A
		Inertia	2.00 kgcm ²
		Mass	1.80 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+

