

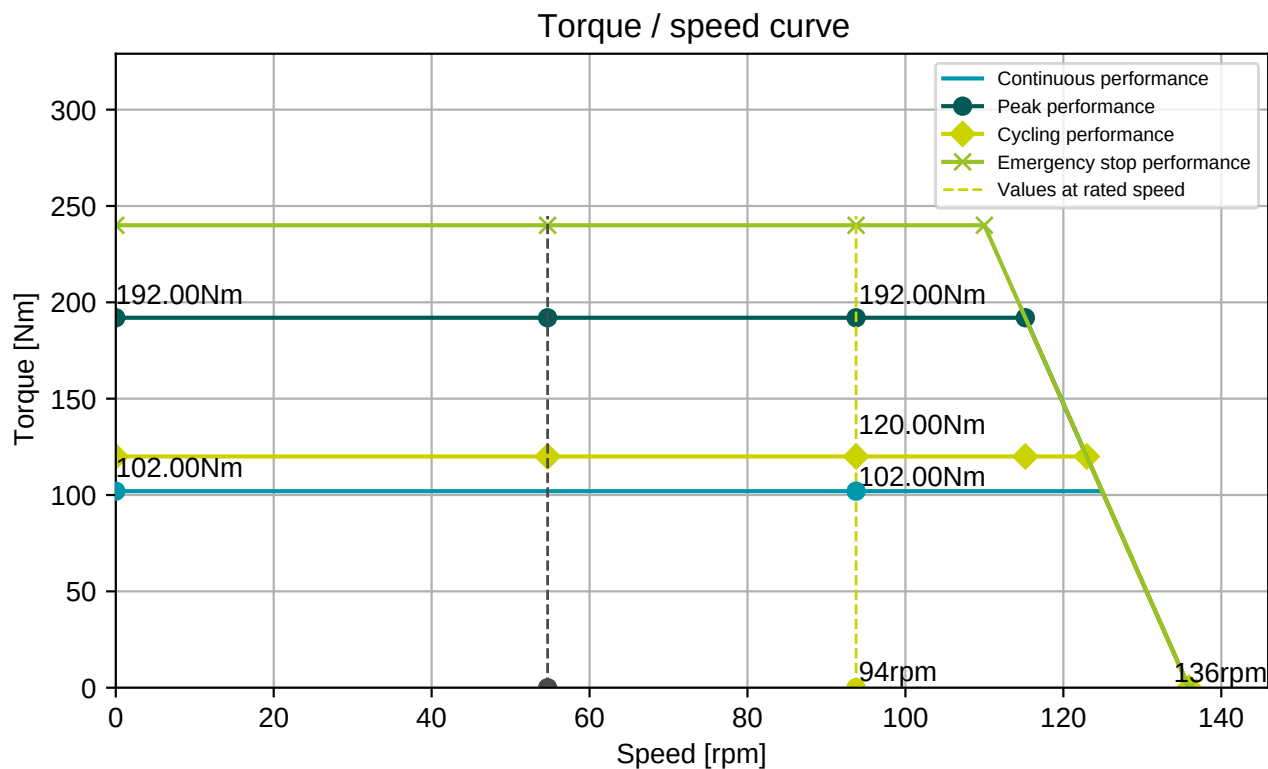
Engineering motordata (WIN 711)		Mechanical motor data (setting 48)	
DC bus voltage	560 V DC	Max mechanical speed	9000 rpm
Nominal AC voltage	380 V AC (rms)	Mech. time constant	0.62 ms
Rated voltage	277 V AC (rms)	Thermal time constant	30 min
Rated power	1.9 kW	Rotor inertia	3.26 kgcm²
Rated speed	3000 rpm	Protection	IP64
Rated torque	6.10 Nm	Color	RAL 9005
Rated current	5.14 A (rms)	Cooling	Convection
Peak torque	22.5 Nm	Motor-only mass	4.7 kg
Peak current	23.8 A (rms)	Max. axial force 20kh	124 N
Stall torque	7.5 Nm	Max. radial force 20kh	653 N*
Stall current	5.2 A (rms)	Max. axial force 100kh	73 N
No load speed	4350 rpm	Max. radial force 100kh	382 N*
EMF constant ±10%	87 V AC (rms) / 1000rpm	* Defined for point of action at ½ output shaft length	
Theoretical torque constant ±10%	1.44 Nm / A (rms)		
Torque constant ±10% @ rated load	1.19 Nm / A (rms)	Sensors	
Number of poles	10	Temperature	PT1000 {PT1000}
Electrical time constant	5.90 ms	Feedback	EKS36 (HDSL) single-turn, 17 bits
Winding terminal resistance	2.29 Ω		
Rotary field terminal inductance	13.5 mH		

Customs info	
HS Code	85015220

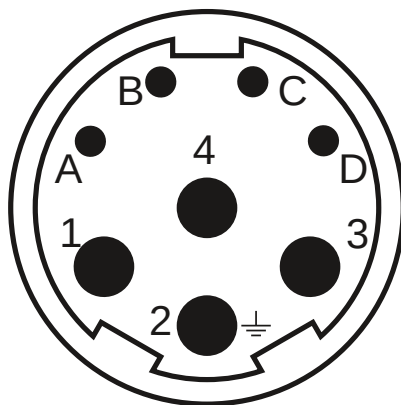
Gearbox engineering data		Gearbox mechanical data	
Gear ratio	32	Radial force for 20'000h	750 N*
Efficiency	95 %*	Radial force for 30'000h	650 N*
Torsional stiffness	10.4 Nm/arcmin	Max. radial force	1250 N*
Number of stages	2	Axial force for 20'000h	1000 N
Rated output torque	102 Nm	Axial force for 30'000h	900 N
Cycling output torque	120 Nm	Max. axial force	1600 N
Max output torque	192 Nm	Tilting moment for 20'000h	31 Nm
Emergency output torque	240 Nm	Tilting moment for 30'000h	27 Nm
Rated input speed	4000 rpm	Max. bending moment	16 Nm
Max input speed	7000 rpm	Output shaft design	Shaft key
Operating temperature	<-25; 90> °C	Mass	2.63 kg
Max. backlash	< 9 arcmin	Input inertia	0.366 kgcm ²
Service life	20000 h	Protection	IP54
* at rated speed & torque		* Defined for point of action at ½ output shaft length	

Lubrication	
Type	Standard
Lubricant	Grease (lifetime lubrication)

Actuator data	
Rated speed	94 rpm
Rated torque	102.00 Nm
Cycling torque	120.00 Nm
Peak torque	192.00 Nm
Emergency stop torque	240.00 Nm
EMF constant ±10%	2784.0 V AC (rms) / 1000rpm
Torque constant ±10% @ rated load	36.08 Nm / A (rms)
Total mass	7.33 kg
Output inertia	3713.0 kgcm ²


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+

