

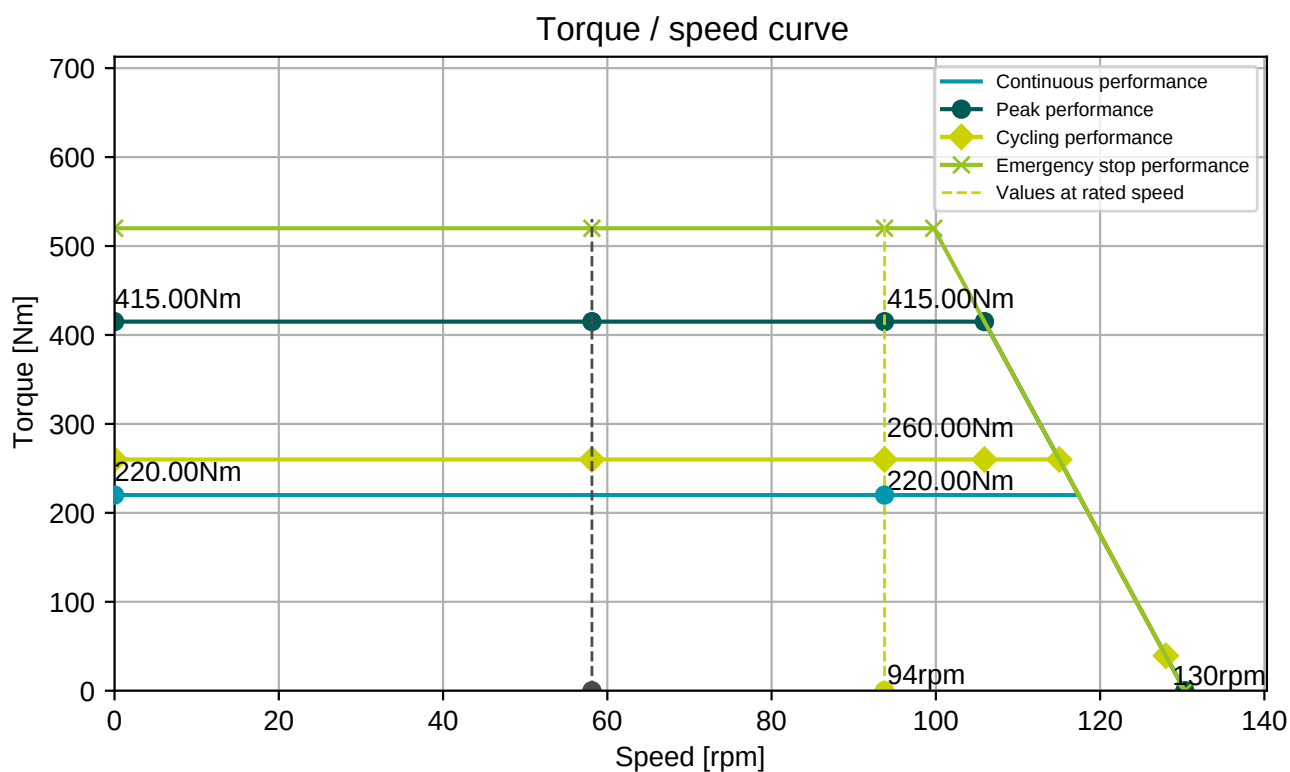
Engineering motordata (WIN 729)		Mechanical motor data (setting 48)							
DC bus voltage	560 V DC	Max mechanical speed	9000 rpm						
Nominal AC voltage	380 V AC (rms)	Mech. time constant	0.80 ms						
Rated voltage	291 V AC (rms)	Thermal time constant	45 min						
Rated power	3.3 kW	Rotor inertia	7.9 kgcm²						
Rated speed	3000 rpm	Protection	IP64						
Rated torque	10.50 Nm	Color	RAL 9005						
Rated current	8.25 A (rms)	Cooling	Convection						
Peak torque	36 Nm	Motor-only mass	11.2 kg						
Peak current	29.4 A (rms)	Max. axial force 20kh	126 N						
Stall torque	12 Nm	Max. radial force 20kh	665 N*						
Stall current	8 A (rms)	Max. axial force 100kh	74 N						
No load speed	4170 rpm	Max. radial force 100kh	389 N*						
EMF constant ±10%	91 V AC (rms) / 1000rpm	* Defined for point of action at ½ output shaft length							
Theoretical torque constant ±10%	1.51 Nm / A (rms)								
Torque constant ±10% @ rated load	1.27 Nm / A (rms)	<table><tr><th colspan="2">Sensors</th></tr><tr><td>Temperature</td><td>PT1000 {PT1000}</td></tr><tr><td>Feedback</td><td>EKS36 (HDSL) single-turn, 17 bits</td></tr></table>		Sensors		Temperature	PT1000 {PT1000}	Feedback	EKS36 (HDSL) single-turn, 17 bits
Sensors									
Temperature	PT1000 {PT1000}								
Feedback	EKS36 (HDSL) single-turn, 17 bits								
Number of poles	10								
Electrical time constant	8.20 ms								
Winding terminal resistance	1.33 Ω								
Rotary field terminal inductance	10.9 mH								

Customs info	
HS Code	85015220

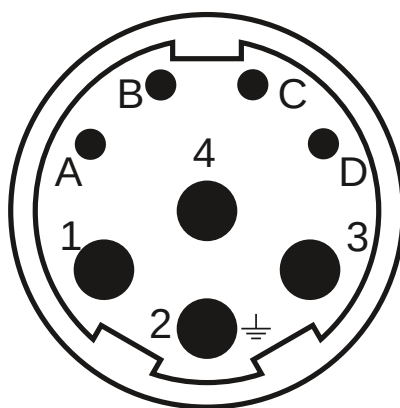
Gearbox engineering data		Gearbox mechanical data	
Gear ratio	32	Radial force for 20'000h	1750 N*
Efficiency	95 %*	Radial force for 30'000h	1500 N*
Torsional stiffness	22 Nm/arcmin	Max. radial force	2000 N*
Number of stages	2	Axial force for 20'000h	2500 N
Rated output torque	220 Nm	Axial force for 30'000h	2100 N
Cycling output torque	260 Nm	Max. axial force	3800 N
Max output torque	415 Nm	Tilting moment for 20'000h	101 Nm
Emergency output torque	520 Nm	Tilting moment for 30'000h	86 Nm
Rated input speed	3500 rpm	Max. bending moment	40 Nm
Max input speed	6500 rpm	Output shaft design	Shaft key
Operating temperature	<-25; 90> °C	Mass	7.54 kg
Max. backlash	< 9 arcmin	Input inertia	1.42 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	220.00 Nm
Cycling torque	260.00 Nm
Peak torque	415.00 Nm
Emergency stop torque	520.00 Nm
EMF constant ±10%	2912.0 V AC (rms) / 1000rpm
Torque constant ±10% @ rated load	38.69 Nm / A (rms)
Total mass	18.74 kg
Output inertia	9543.7 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+

