Engineering data (WIN 940)		
DC bus voltage	560	V DC
Nominal AC voltage	380	V AC (rms)
Rated voltage	308	V AC (rms)
Rated power	7.9	kW
Rated speed	3000	rpm
Rated torque	25.00	Nm
Rated current	17.69	A (rms)
Peak torque	114	Nm
Peak current	83	A (rms)
Stall torque	38	Nm
Stall current	21.5	A (rms)
No load speed	3550	rpm
EMF constant ±10%	107	V AC (rms) / 1000rpm
Theoretical torque constant ±10%	1.77	Nm / A (rms)
Torque constant ±10% @ rated load	1.41	Nm / A (rms)
Number of poles	10	
Electrical time constant	13.44	ms
Winding terminal resistance	0.32	Ω
Rotary field terminal inductance	4.3	mH

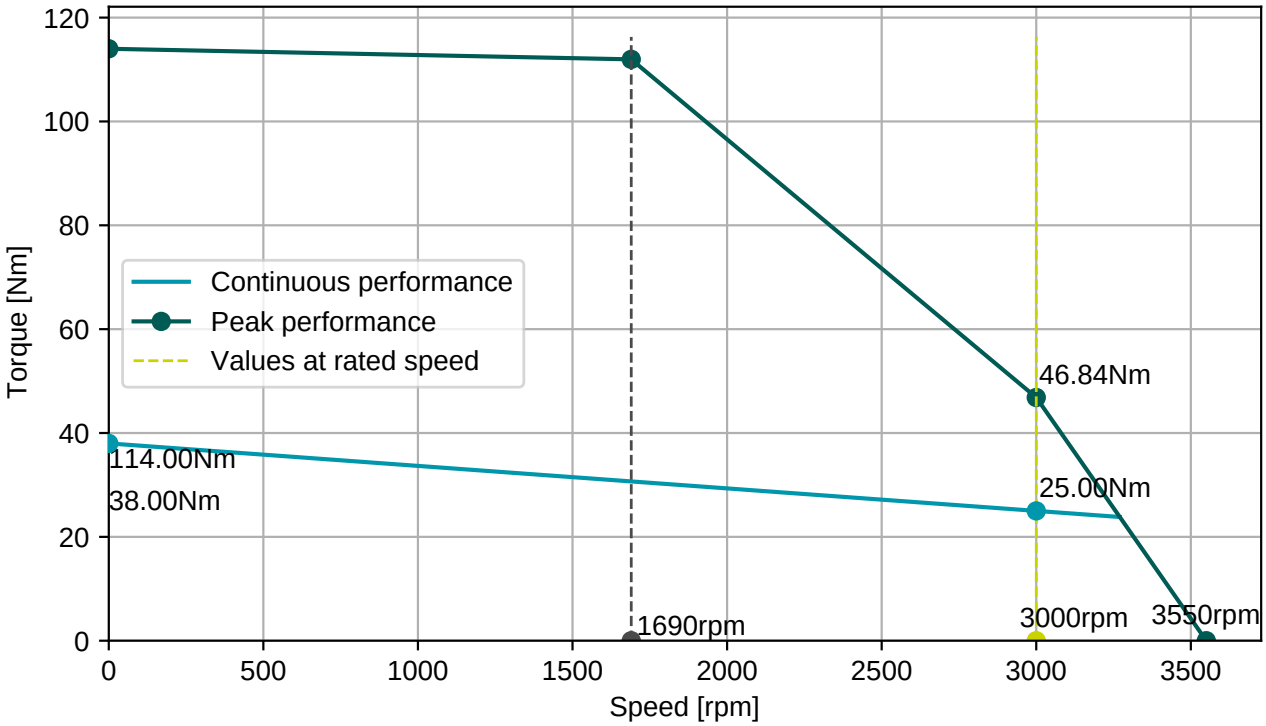
Customs info	
HS Code	85015230

Mechanical data (setting 48)		
Max mechanical speed	6000	rpm
Mech. time constant	0.71	ms
Thermal time constant	57	min
Rotor inertia	39.9	kgcm²
Protection	IP64	
Color	RAL 9005	
Cooling	Convection	
Motor-only mass	13.8	kg
Max. axial force 20kh	141	N
Max. radial force 20kh*	741	N
Max. axial force 100kh	82	N
Max. radial force 100kh*	434	N

** Defined for point of action at ½ output shaft length*

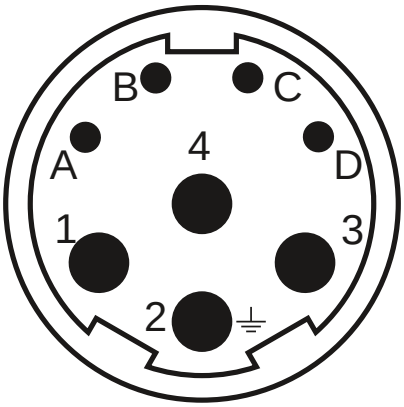
Sensors	
Temperature	PT1000 {PT1000}
Feedback	EKM36 (HDSL) multi-turn, 18+12 bits, SIL2

Torque / speed curve

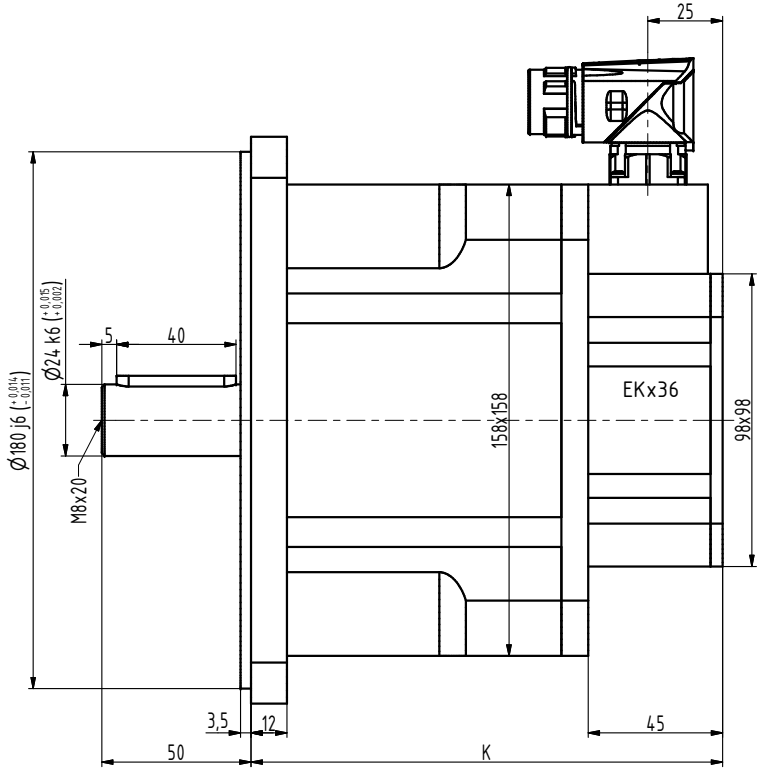


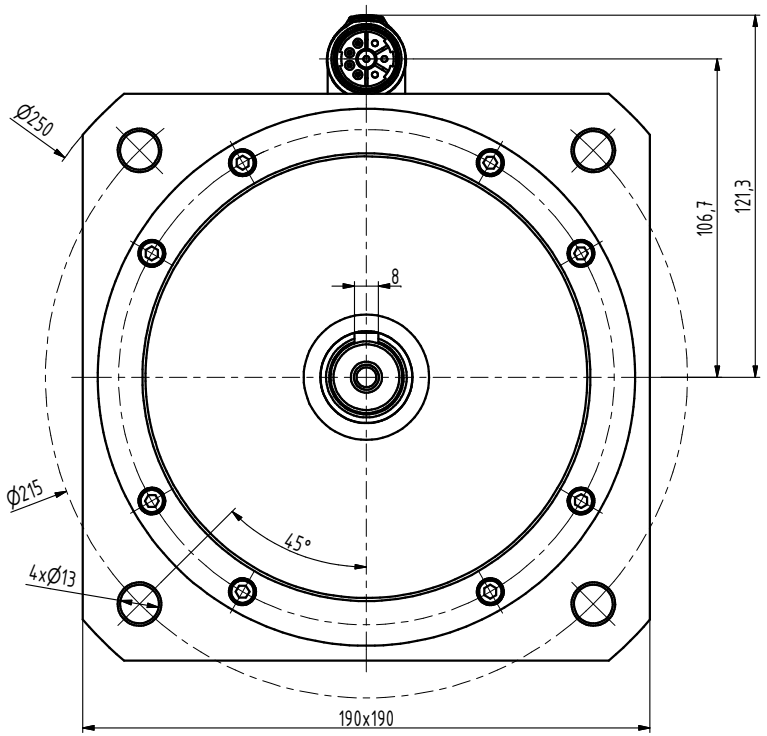
BGC110N00001216000

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+





TYP	K
N6-1800	158
N6-2400	183
N6-3000	208
N6-3800	233
N6-4400	258

INDEX	ZMĚNA	DATUM	PODPIS

ZN.MAT.		T.O.	HMOTNOST kg	MĚŘ.	
ROZM.-POLOT.					
POM. ZAŘ.			ČSN	TŘ.Č.	
VYPR. Ošlejšek	NORM.REF.		POZN.	Č. KUSOVNÍKU	
PŘEKR.					
TECHNOL.	SCHVÁLIL Ošlejšek	20.09.2021	STARÝ V.	Č.V.	

NÁZEV
Motor N6

N6028 04 P Z_S4_S1

Listů List