Engineering data (WIN 1109)		
DC bus voltage	560	V DC
Nominal AC voltage	380	V AC (rms)
Rated voltage	334	V AC (rms)
Rated power	5.5	kW
Rated speed	2000	rpm
Rated torque	26.10	Nm
Rated current	11.72	A (rms)
Peak torque	85	Nm
Peak current	40.8	A (rms)
Stall torque	30	Nm
Stall current	11.6	A (rms)
No load speed	2420	rpm
EMF constant ±10%	157	V AC (rms) / 1000rpm
Theoretical torque constant ±10%	2.6	Nm / A (rms)
Torque constant ±10% @ rated load	2.2	Nm / A (rms)
Number of poles	10	
Electrical time constant	15.88	ms
Winding terminal resistance	0.8	Ω
Rotary field terminal inductance	12.7	mH

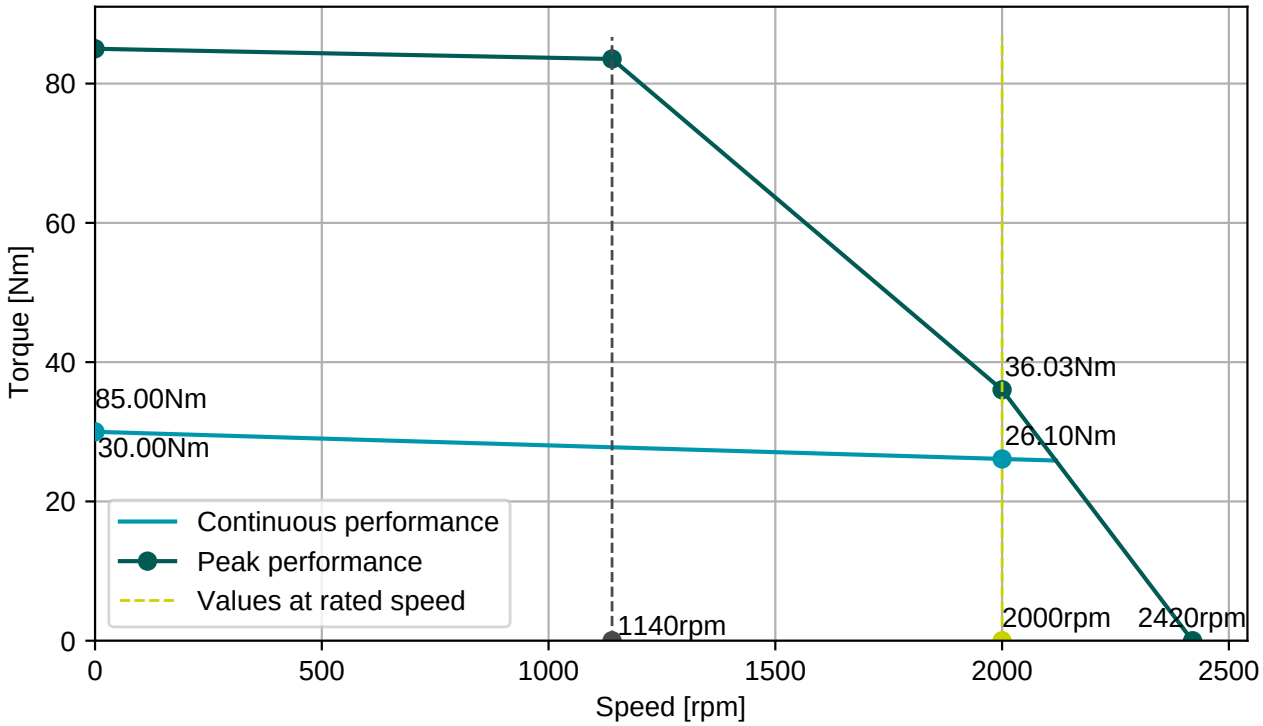
Customs info	
HS Code	85015220

Mechanical data (setting 48)		
Max mechanical speed	6000	rpm
Mech. time constant	1.02	ms
Thermal time constant	80	min
Rotor inertia	49.5	kgcm²
Protection	IP64	
Color	RAL 9005	
Cooling	Convection	
Motor-only mass	9.2	kg
Max. axial force 20kh	264	N
Max. radial force 20kh*	1390	N
Max. axial force 100kh	154	N
Max. radial force 100kh*	813	N

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

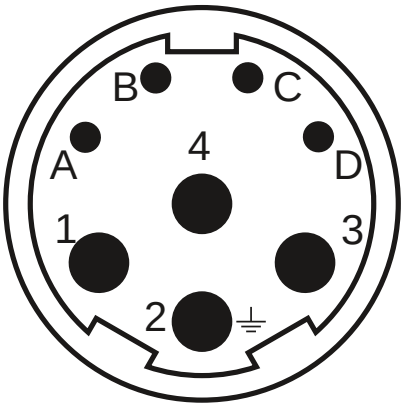
Sensors	
Temperature	PT1000 {PT1000}
Feedback	EDM35 (HDSL) multi-turn, 20+12 bits

Torque / speed curve

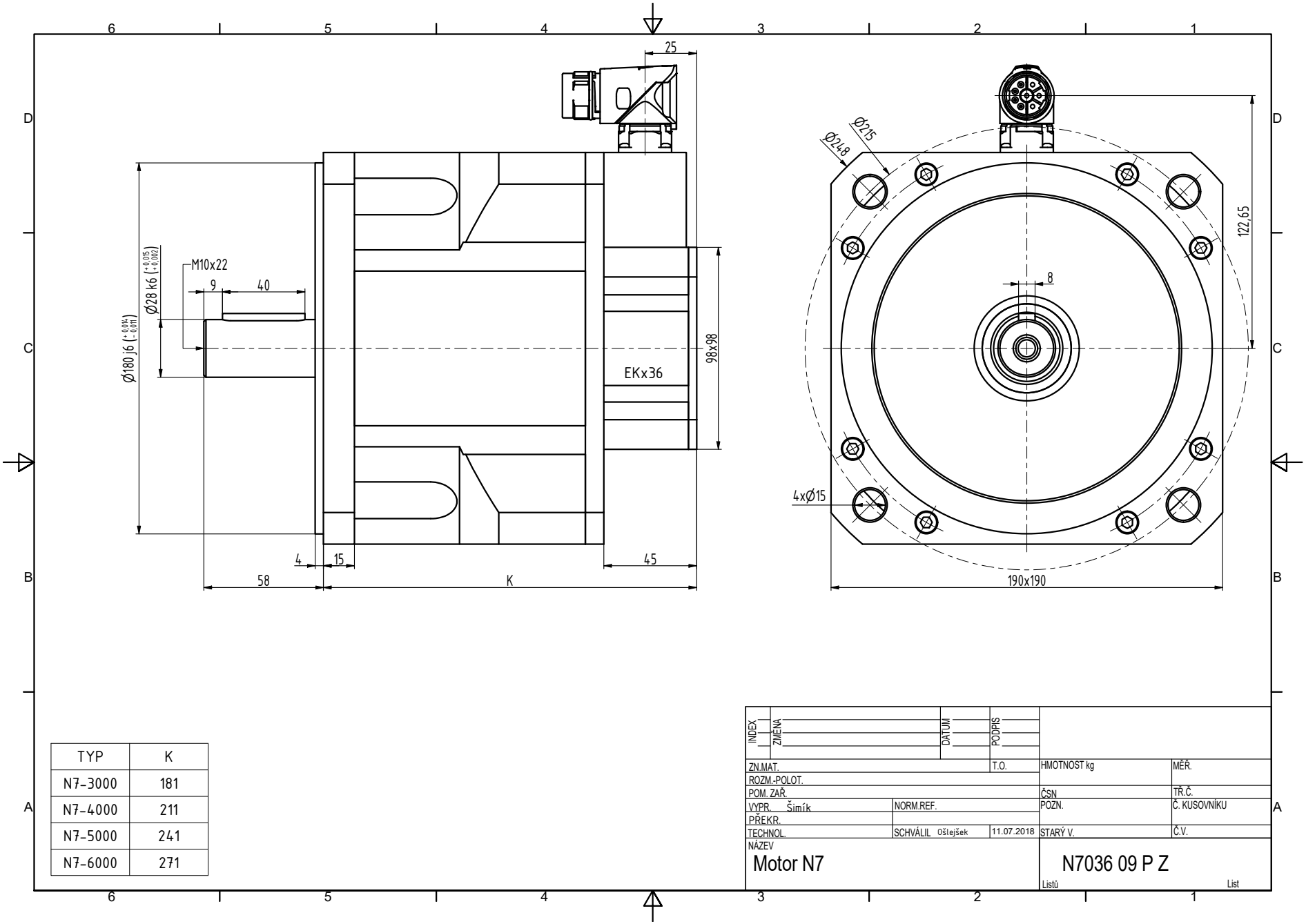


BGC110N00001216000

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
N7-3000	181
N7-4000	211
N7-5000	241
N7-6000	271

INDEX	ZMĚNA	DATUM	PODPIS		
ZN.MAT.			T.O.	HMOTNOST kg	MĚŘ.
ROZM.-POLOT.					
POM. ZAŘ.				ČSN	TŘ.Č.
VYPR. Šimík	NORM.REF.			POZN.	Č. KUSOVNÍKU
PŘEKR.					
TECHNOL.	SCHVÁLIL Ošlejšek	11.07.2018		STARÝ V.	Č.V.
NÁZEV: Motor N7				N7036 09 P Z	
				Listů	List