Engineering data (WIN 833)		
DC bus voltage	560	V DC
Nominal AC voltage	380	V AC (rms)
Rated voltage	257	V AC (rms)
Rated power	7.9	kW
Rated speed	3000	rpm
Rated torque	25.00	Nm
Rated current	20.1	A (rms)
Peak torque	120	Nm
Peak current	90.2	A (rms)
Stall torque	40	Nm
Stall current	26.3	A (rms)
No load speed	4130	rpm
EMF constant ±10%	92	V AC (rms) / 1000rpm
Theoretical torque constant ±10%	1.52	Nm / A (rms)
Torque constant ±10% @ rated load	1.24	Nm / A (rms)
Number of poles	10	
Electrical time constant	18.24	ms
Winding terminal resistance	0.17	Ω
Rotary field terminal inductance	3.1	mH

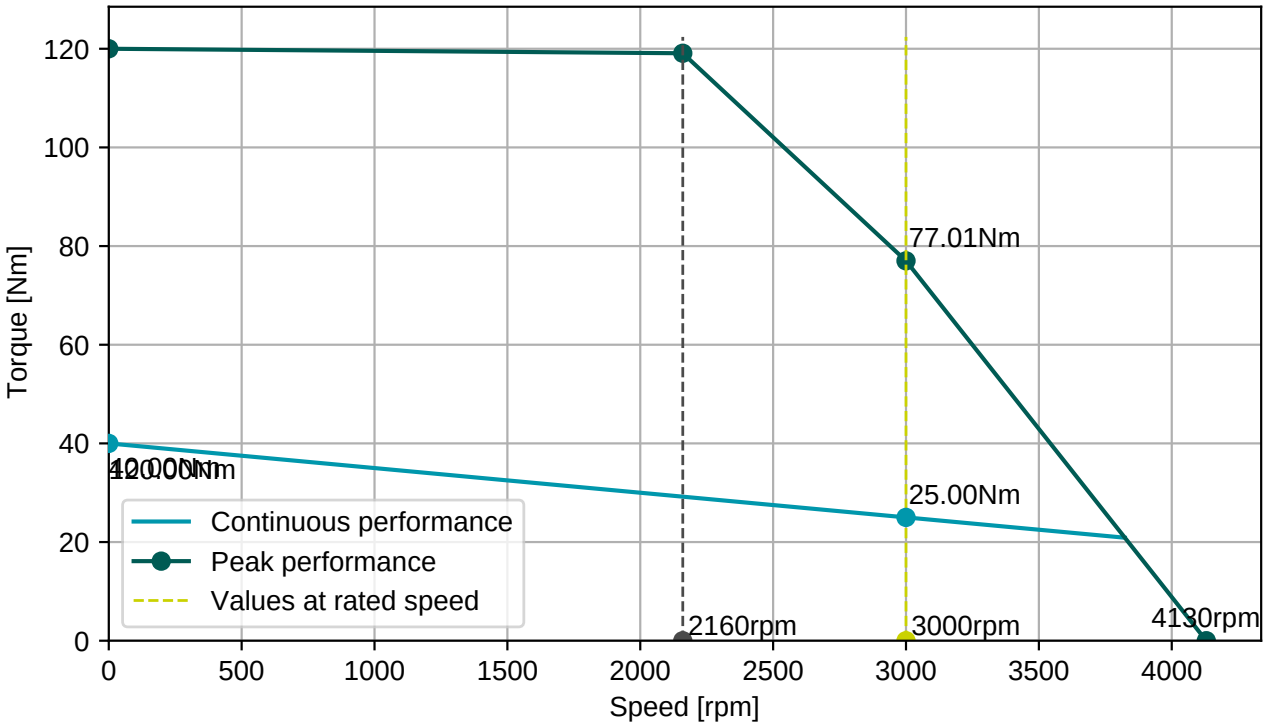
Customs info	
HS Code	85015230

Mechanical data (setting 48)		
Max mechanical speed	6000	rpm
Mech. time constant	0.88	ms
Thermal time constant	90	min
Rotor inertia	69	kgcm²
Protection	IP64	
Color	RAL 9005	
Cooling	Convection	
Motor-only mass	20.2	kg
Max. axial force 20kh	245	N
Max. radial force 20kh*	1291	N
Max. axial force 100kh	143	N
Max. radial force 100kh*	755	N

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

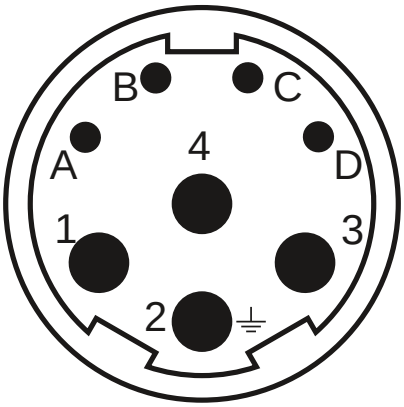
Sensors	
Temperature	PT1000 {PT1000}
Feedback	EKM36 (HDSL) multi-turn, 17 + 12 bits

Torque / speed curve

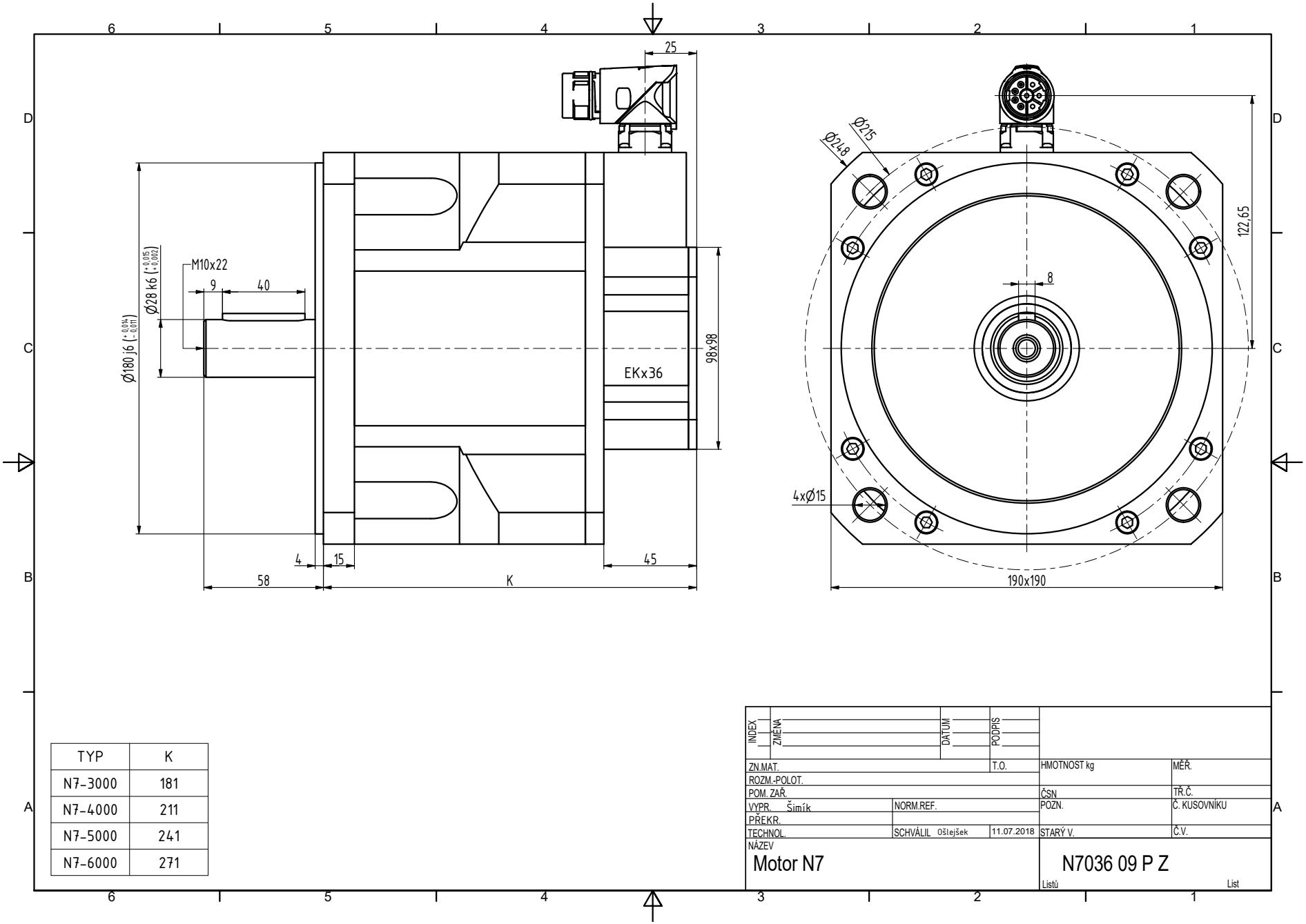


BGC110N00001216000

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