Engineering data (WIN 991)		
DC bus voltage	320	V DC
Nominal AC voltage	220	V AC (rms)
Rated voltage	168	V AC (rms)
Rated power	872	W
Rated speed	4500	rpm
Rated torque	1.85	Nm
Rated current	4.03	A (rms)
Peak torque	6.15	Nm
Peak current	14.3	A (rms)
Stall torque	2.05	Nm
Stall current	3.54	A (rms)
No load speed	6260	rpm
EMF constant ±10%	35	V AC (rms) / 1000rpm
Theoretical torque constant ±10%	0.58	Nm / A (rms)
Torque constant ±10% @ rated load	0.46	Nm / A (rms)
Number of poles	10	
Electrical time constant	2.52	ms
Winding terminal resistance	3.3	Ω
Rotary field terminal inductance	8.3	mH

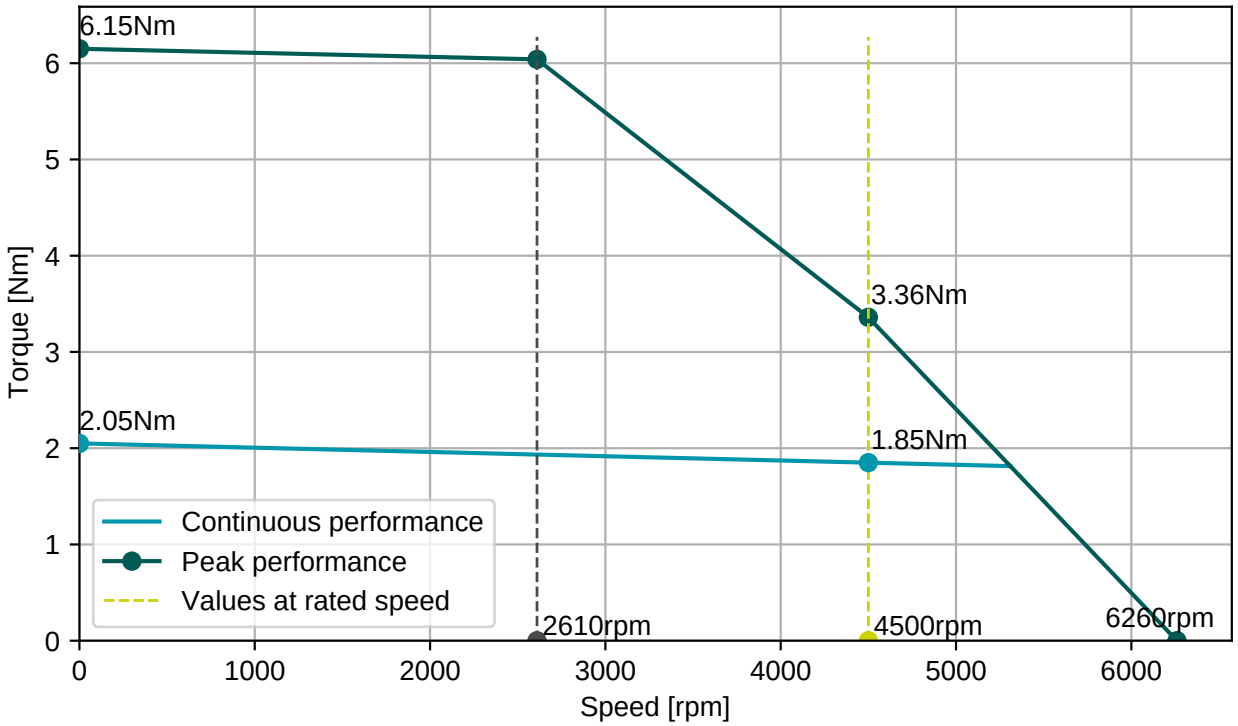
Customs info	
HS Code	85015220

Mechanical data (setting 48)		
Max mechanical speed	12000	rpm
Mech. time constant	0.94	ms
Thermal time constant	23	min
Rotor inertia	0.55	kgcm²
Protection	IP64	
Color	RAL 9005	
Cooling	Convection	
Max. axial force 20kh	61	N
Max. radial force 20kh*	322	N
Max. axial force 100kh	36	N
Max. radial force 100kh*	188	N

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

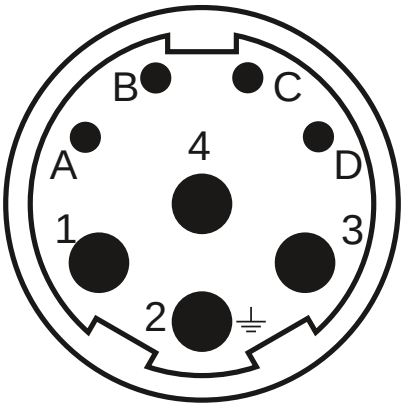
Sensors	
Temperature	PT1000 {PT1000}
Feedback	EEM37 (HDSL) multi-turn, 17+12 bits

Torque / speed curve

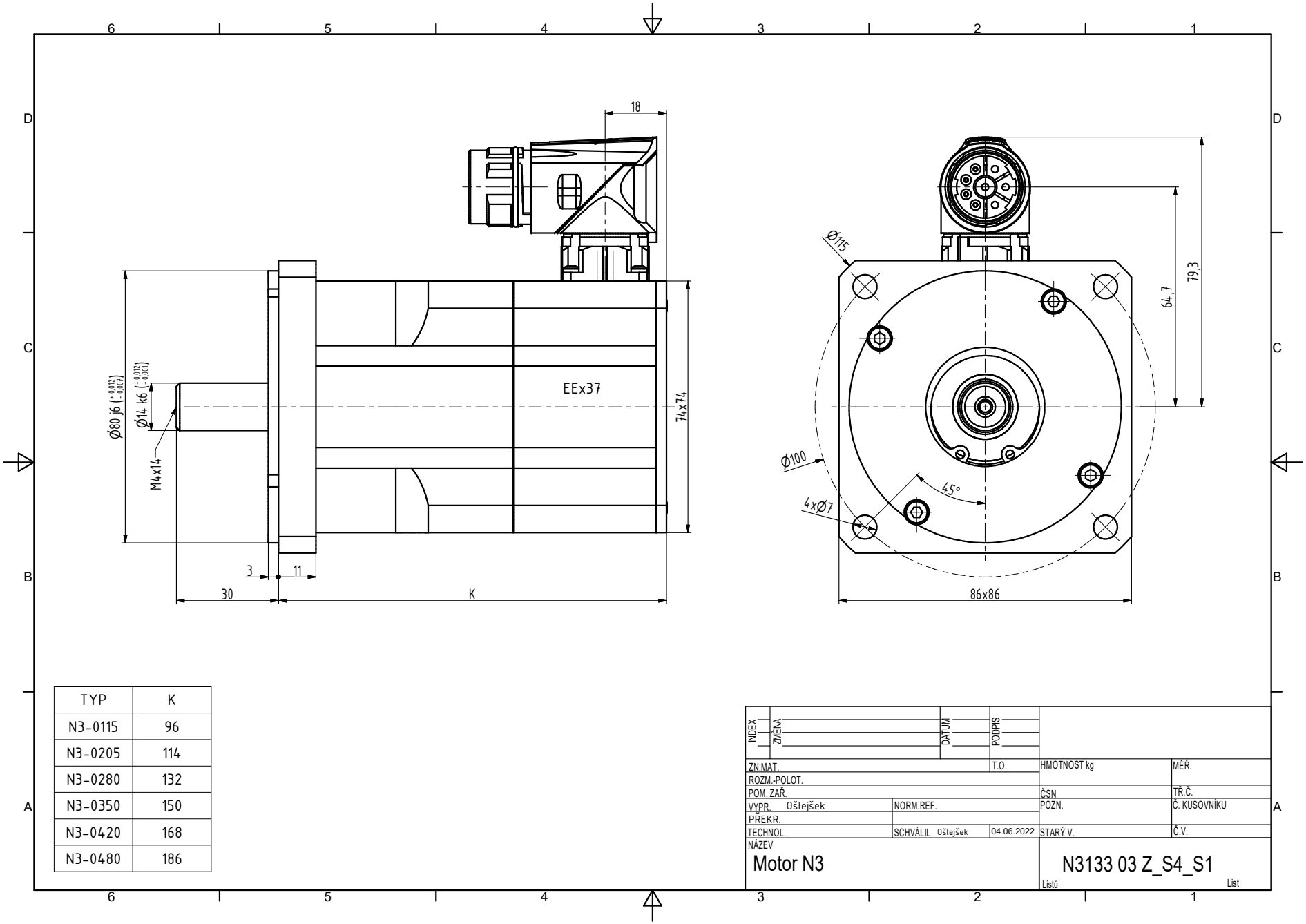


BGC110N00001216000

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
N3-0115	96
N3-0205	114
N3-0280	132
N3-0350	150
N3-0420	168
N3-0480	186

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	04.06.2022	STARÝ V.	Č.V.
NÁZEV	Motor N3			N3133 03 Z_S4_S1	
				Listů	List