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

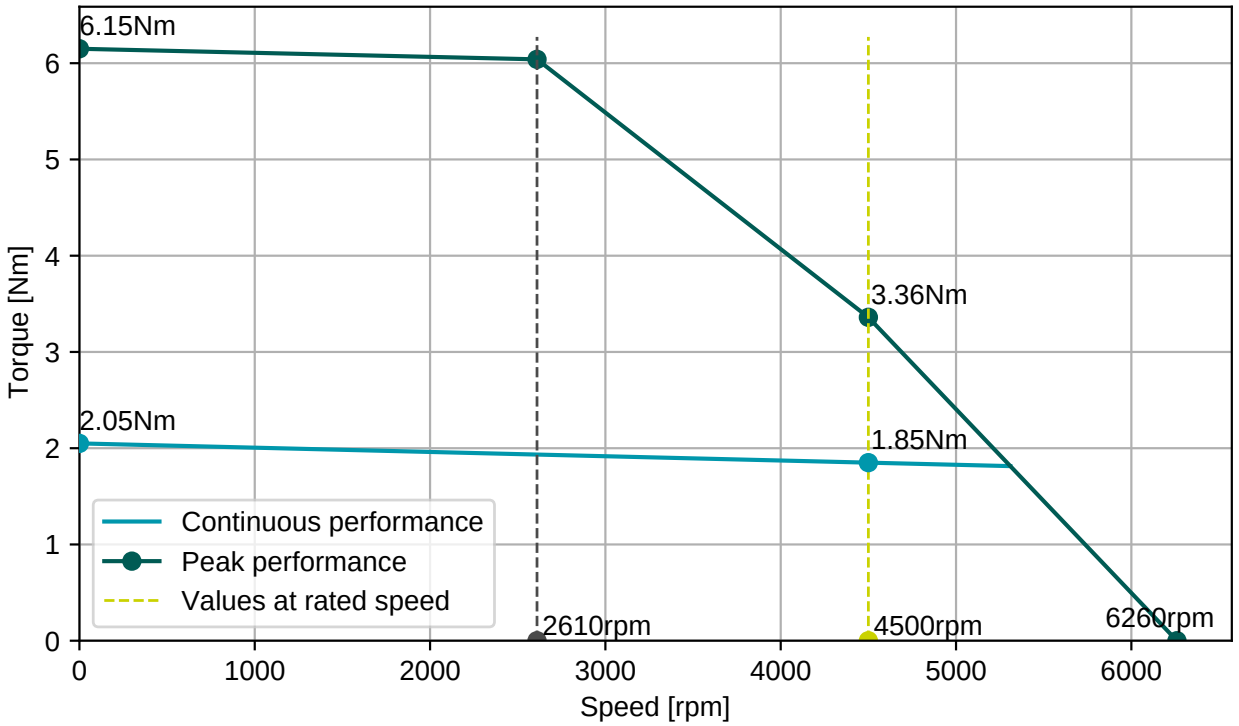
Mechanical data (setting 48)		
Max mechanical speed	12000	rpm
Mech. time constant	0.94	ms
Thermal time constant	23	min
Rotor inertia	0.55	kgcm²
Protection	IP64	
Color	RAL 9005	
Cooling	Convection	
Motor-only mass	2	kg
Max. axial force 20kh	56	N
Max. radial force 20kh*	293	N
Max. axial force 100kh	33	N
Max. radial force 100kh*	171	N

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

Sensors	
Temperature	PT1000 {PT1000}
Feedback	EDS35 (HDSL) single-turn, 24 bits

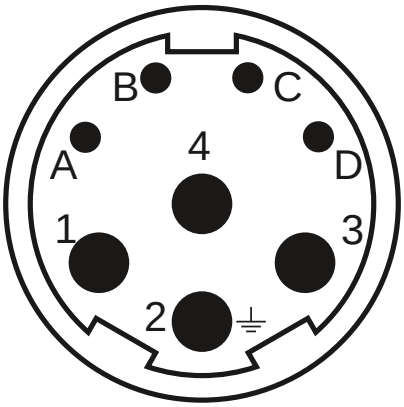
Brake		
Braking torque	4.50	Nm
Voltage	24	V DC
Power @20°C	12.0	W
Current @20°C	0.50	A
Inertia	0.20	kgcm²
Mass	0.47	kg

Torque / speed curve

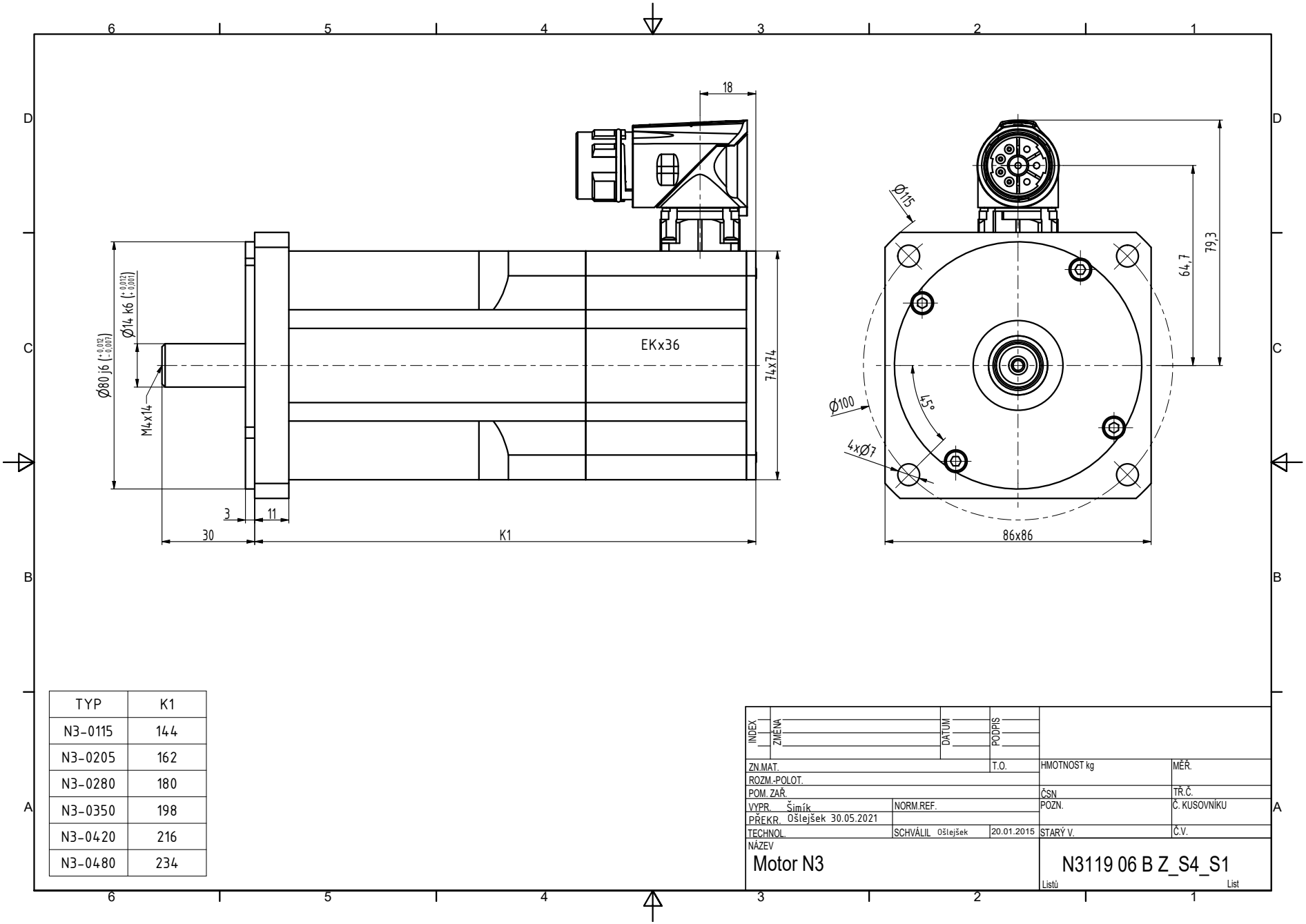


BGC110N00001216000

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	K1
N3-0115	144
N3-0205	162
N3-0280	180
N3-0350	198
N3-0420	216
N3-0480	234

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. Ošlejšek 30.05.2021					
TECHNOL.	SCHVÁLIL Ošlejšek	20.01.2015		STARÝ V.	Č.V.

NÁZEV
Motor N3

N3119 06 B Z_S4_S1

Listů List