Engineering data (WIN 704)		
DC bus voltage	320	V DC
Nominal AC voltage	220	V AC (rms)
Rated voltage	153	V AC (rms)
Rated power	597	W
Rated speed	3000	rpm
Rated torque	1.90	Nm
Rated current	3.06	A (rms)
Peak torque	6.15	Nm
Peak current	12.7	A (rms)
Stall torque	2.05	Nm
Stall current	2.79	A (rms)
No load speed	4920	rpm
EMF constant ±10%	44.5	V AC (rms) / 1000rpm
Theoretical torque constant ±10%	0.74	Nm / A (rms)
Torque constant ±10% @ rated load	0.62	Nm / A (rms)
Number of poles	10	
Electrical time constant	2.53	ms
Winding terminal resistance	5.26	Ω
Rotary field terminal inductance	13.3	mH

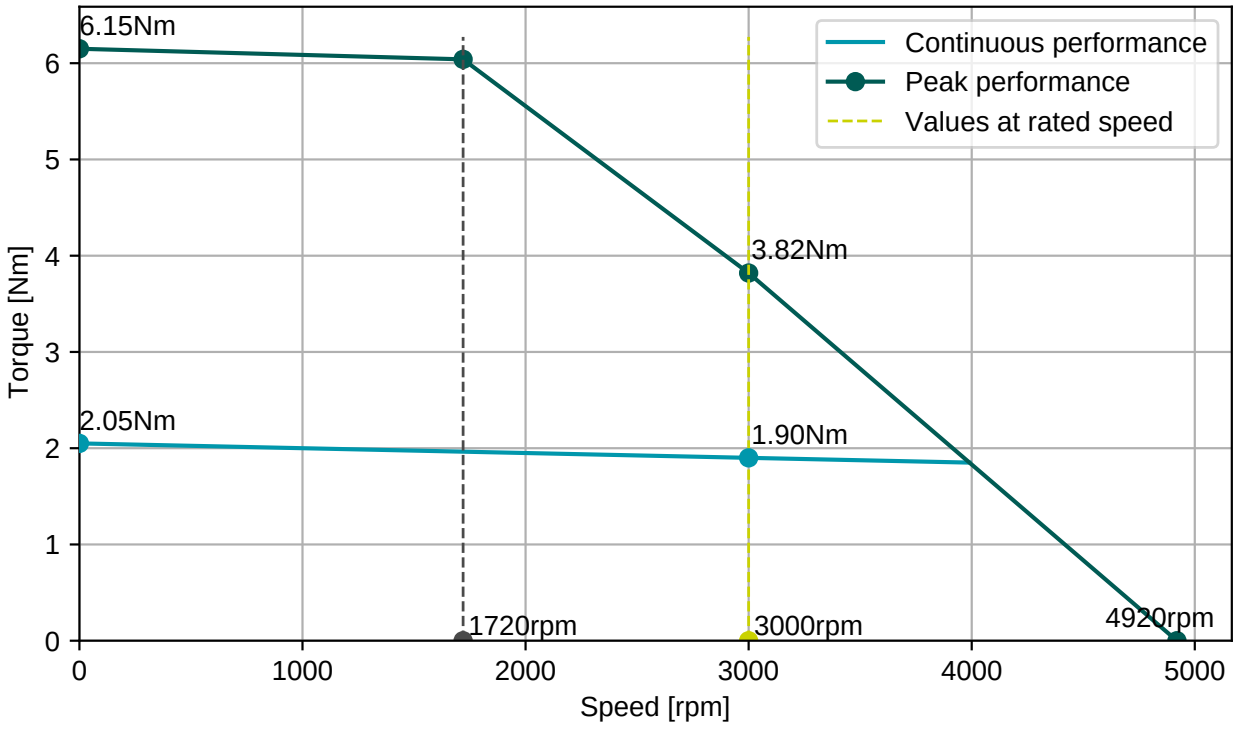
Customs info	
HS Code	85015100

Mechanical data (setting 46)		
Max mechanical speed	12000	rpm
Mech. time constant	0.92	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	62	N
Max. radial force 20kh*	327	N
Max. axial force 100kh	36	N
Max. radial force 100kh*	191	N

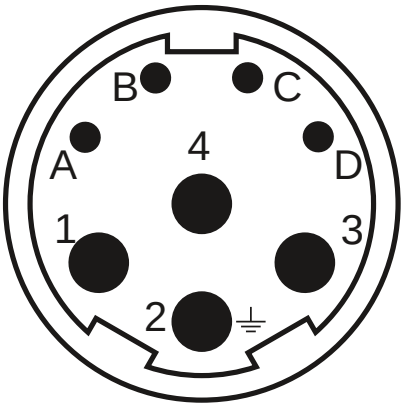
** Defined for point of action at ½ output shaft length*

Sensors	
Temperature	PT1000 {PT1000}
Feedback	SKS36 (Hiperface) single-turn, 128 sin/cos

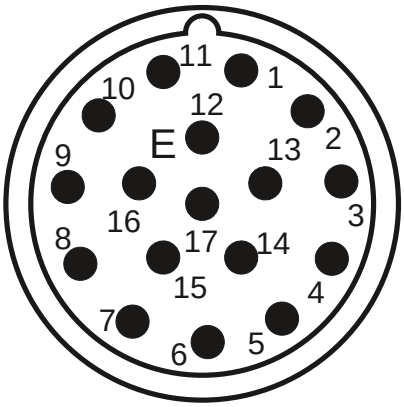
Torque / speed curve



BGC110N00001216000
M23, 8 poles, rotary

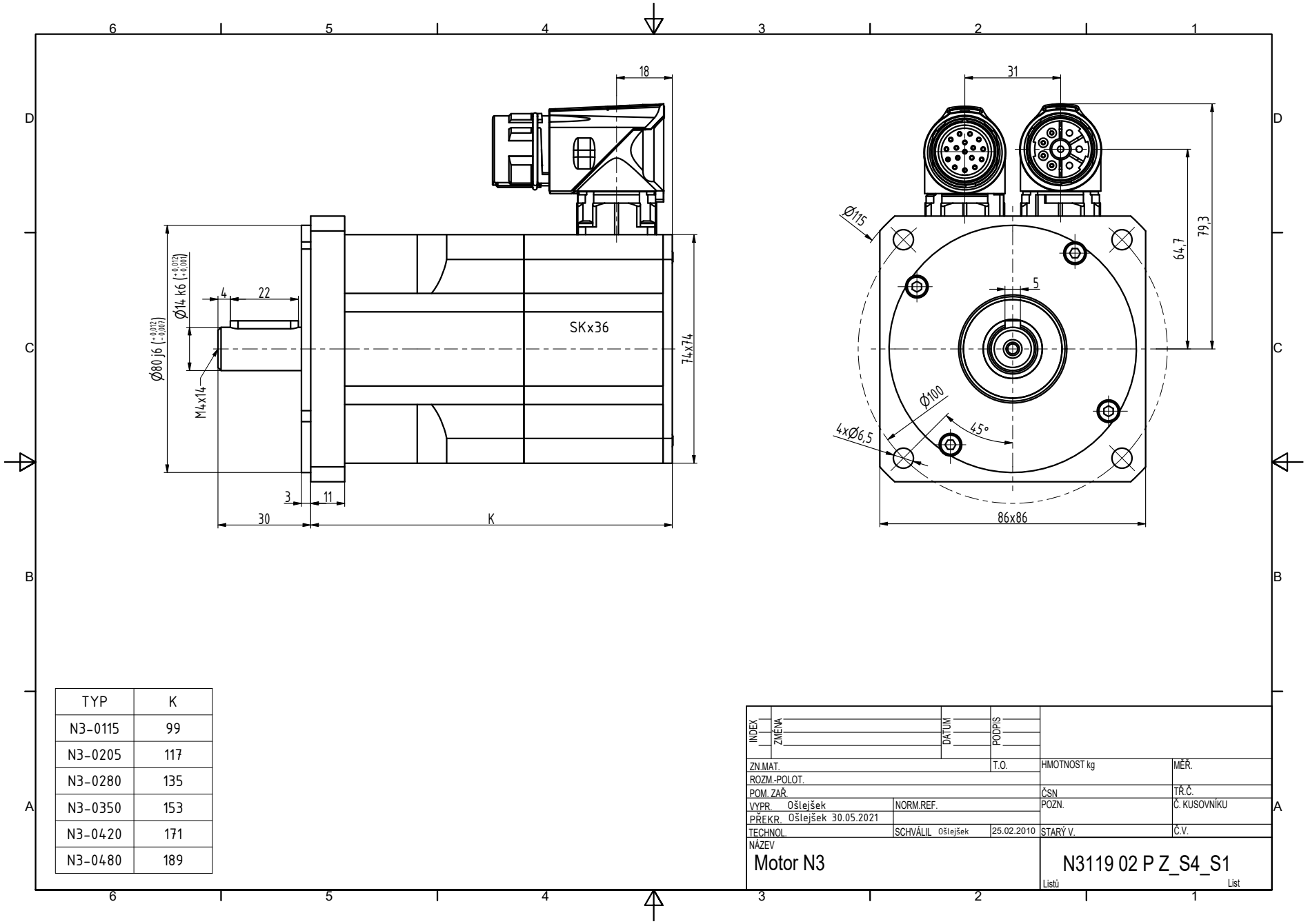


AGC113N00001215000
M23, 17 poles, rotary



Connector 1 (9)	
1	U
4	V
3	W
2	PE
A	Brake+
B	Brake-
C	
D	

Connector 2 (130)	
1/9	SIN/REFSIN
3/11	COS/REFCOS
5/13	DATA/DATA-
4/2	Us/GND
14/7	Therm



TYP	K
N3-0115	99
N3-0205	117
N3-0280	135
N3-0350	153
N3-0420	171
N3-0480	189

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. Ošlejšek 30.05.2021					
TECHNOL.	SCHVÁLIL Ošlejšek	25.02.2010		STARÝ V.	Č.V.

NÁZEV
Motor N3

N3119 02 P Z_S4_S1

Listů List