Engineering data (WIN 829)		
DC bus voltage	320	V DC
Nominal AC voltage	220	V AC (rms)
Rated voltage	172	V AC (rms)
Rated power	2.8	kW
Rated speed	3000	rpm
Rated torque	8.80	Nm
Rated current	11.42	A (rms)
Peak torque	33.9	Nm
Peak current	43.1	A (rms)
Stall torque	11.3	Nm
Stall current	11.6	A (rms)
No load speed	3720	rpm
EMF constant ±10%	59	V AC (rms) / 1000rpm
Theoretical torque constant ±10%	0.98	Nm / A (rms)
Torque constant ±10% @ rated load	0.77	Nm / A (rms)
Number of poles	10	
Electrical time constant	6.27	ms
Winding terminal resistance	0.59	Ω
Rotary field terminal inductance	3.7	mH

Customs info	
HS Code	85015220

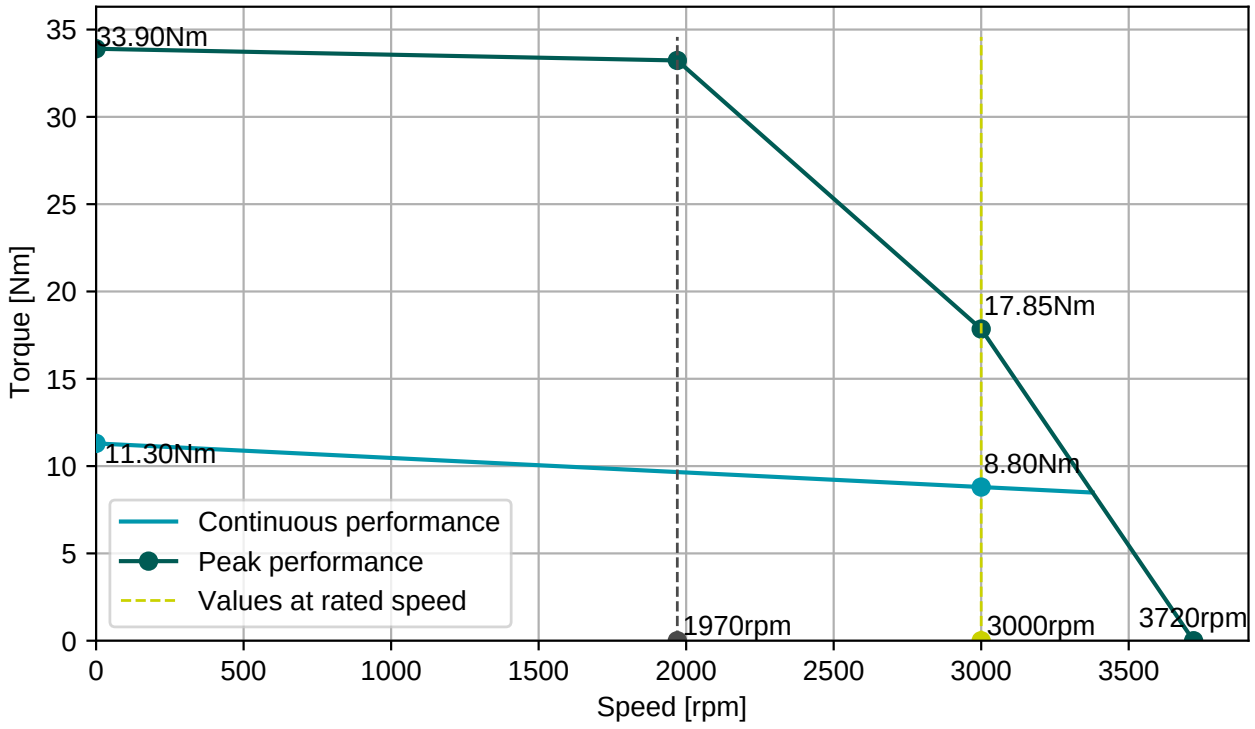
Mechanical data (setting 46)		
Max mechanical speed	9000	rpm
Mech. time constant	0.61	ms
Thermal time constant	40	min
Rotor inertia	5.7	kgcm²
Protection	IP64	
Color	RAL 9005	
Cooling	Convection	
Motor-only mass	8.5	kg
Max. axial force 20kh	135	N
Max. radial force 20kh*	713	N
Max. axial force 100kh	79	N
Max. radial force 100kh*	417	N

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

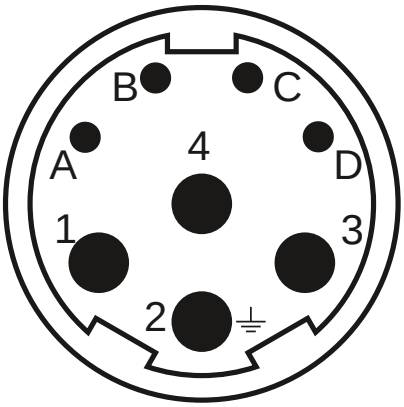
Sensors	
Temperature	PT1000 {PT1000}
Feedback	SKS36 (Hiperface) single-turn, 128 sin/cos

Brake		
Braking torque	9.00	Nm
Voltage	24	V DC
Power @20°C	18.0	W
Current @20°C	0.75	A
Inertia	0.60	kgcm²
Mass	0.82	kg

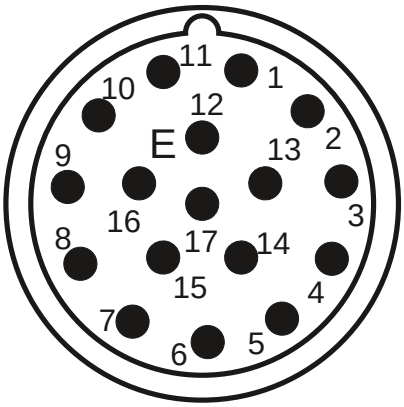
Torque / speed curve



BGC110N00001216000
M23, 8 poles, rotary

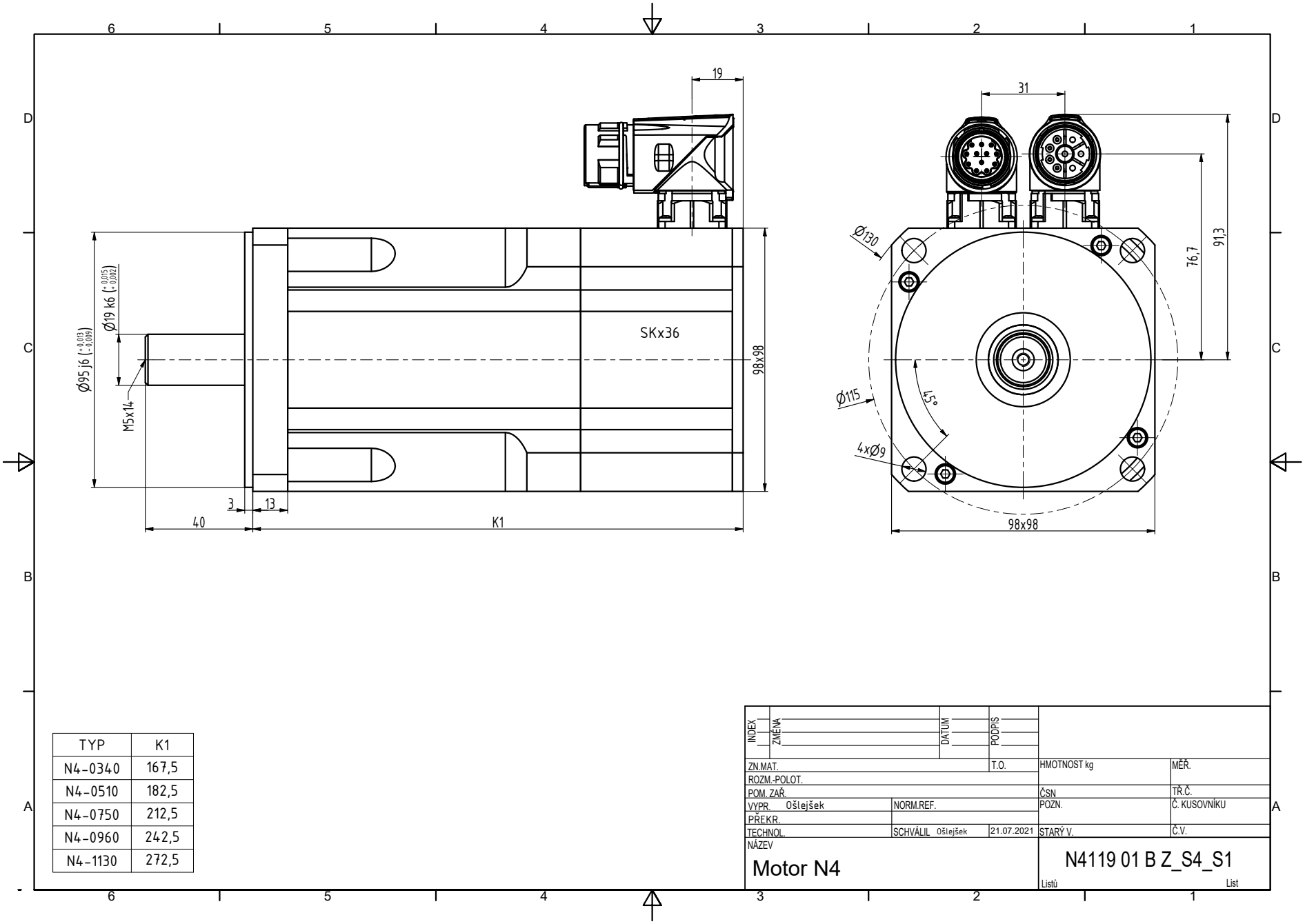


AGC113N00001215000
M23, 17 poles, rotary



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	K1
N4-0340	167,5
N4-0510	182,5
N4-0750	212,5
N4-0960	242,5
N4-1130	272,5

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	21.07.2021	STARÝ V.	Č.V.

NÁZEV
Motor N4

N4119 01 B Z_S4_S1

Listů List