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

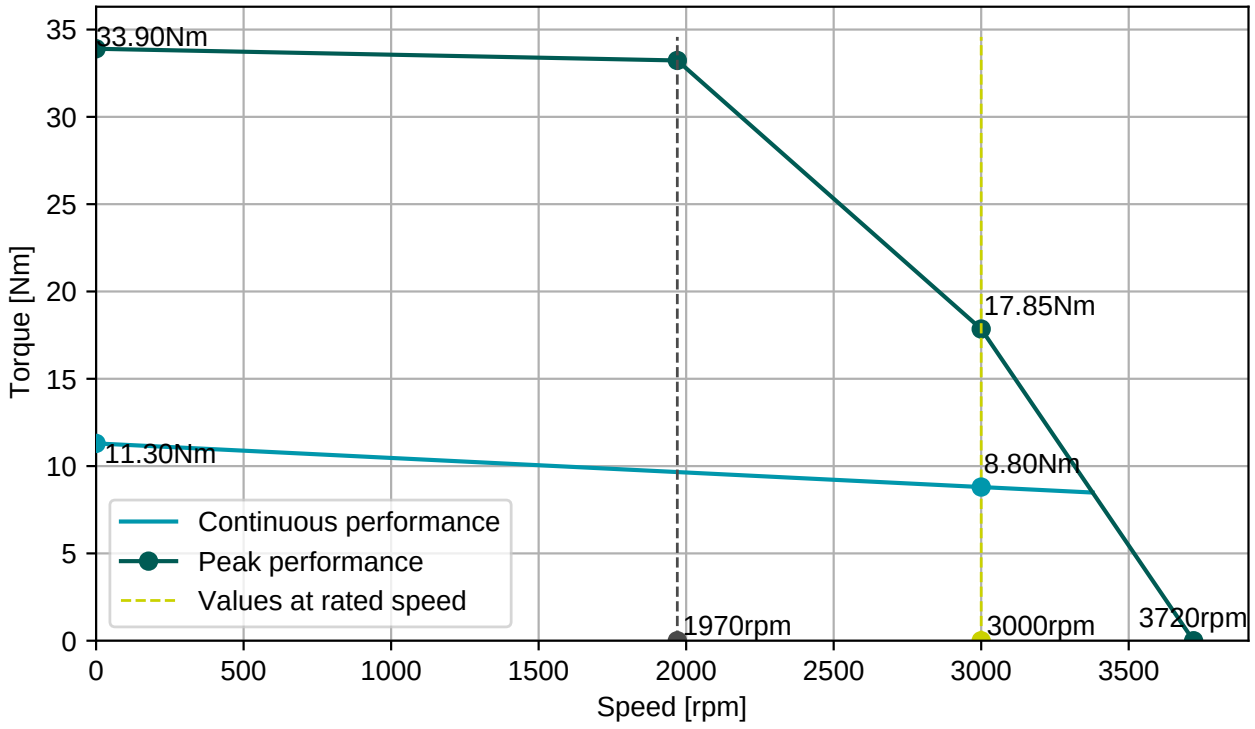
Mechanical data (setting 29)		
Max mechanical speed	9000	rpm
Mech. time constant	0.61	ms
Thermal time constant	40	min
Rotor inertia	5.7	kgcm²
Protection	IP64	
Color	RAL 9005	
Cooling	Convection	
Motor-only mass	8.5	kg
Max. axial force 20kh	135	N
Max. radial force 20kh*	713	N
Max. axial force 100kh	79	N
Max. radial force 100kh*	417	N

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

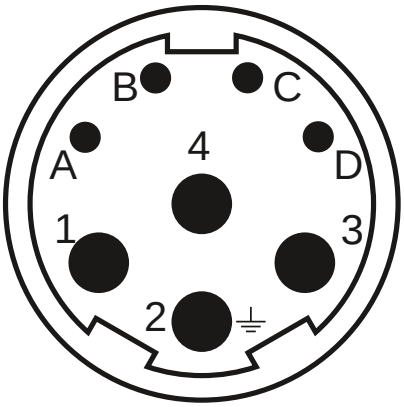
Sensors	
Temperature	PT1000 {PT1000}
Feedback	EQI1131 (EnDat 2.2) multi-turn, 19 + 12 bits

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

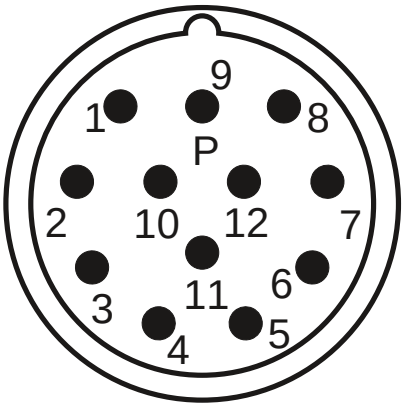
Torque / speed curve



BGC110N00001216000
M23, 8 poles, rotary

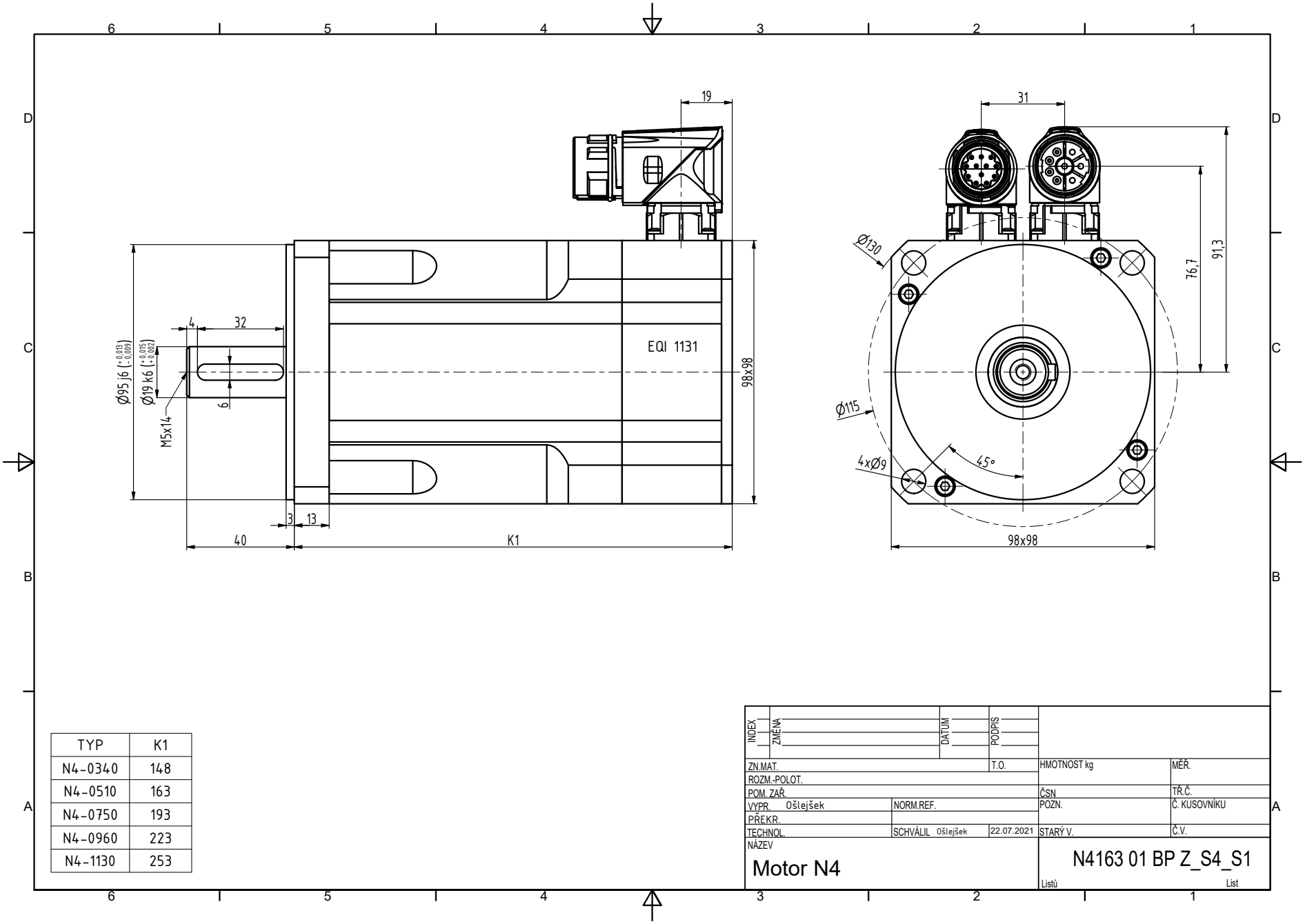


AGC052N00001215000
M23, 12 poles, rotary



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

Connector 2 (293)	
1	Vcc (+5V)
2	GND
3	DATA
4	DATA-
5	CLOCK
6	CLOCK-
7	Therm+
8	Therm-
9	Vcc sensor
10	GND sensor



TYP	K1
N4-0340	148
N4-0510	163
N4-0750	193
N4-0960	223
N4-1130	253

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	22.07.2021	STARÝ V.	Č.V.

NÁZEV

Motor N4

N4163 01 BP Z_S4_S1

Listů List