Engineering data (WIN 807)		
DC bus voltage	320	V DC
Nominal AC voltage	220	V AC (rms)
Rated voltage	180	V AC (rms)
Rated power	1.2	kW
Rated speed	3000	rpm
Rated torque	3.70	Nm
Rated current	4.46	A (rms)
Peak torque	14.4	Nm
Peak current	17.3	A (rms)
Stall torque	4.8	Nm
Stall current	4.84	A (rms)
No load speed	3660	rpm
EMF constant ±10%	60	V AC (rms) / 1000rpm
Theoretical torque constant ±10%	0.99	Nm / A (rms)
Torque constant ±10% @ rated load	0.83	Nm / A (rms)
Number of poles	10	
Electrical time constant	3.00	ms
Winding terminal resistance	2.5	Ω
Rotary field terminal inductance	7.5	mH

Customs info	
HS Code	85015220

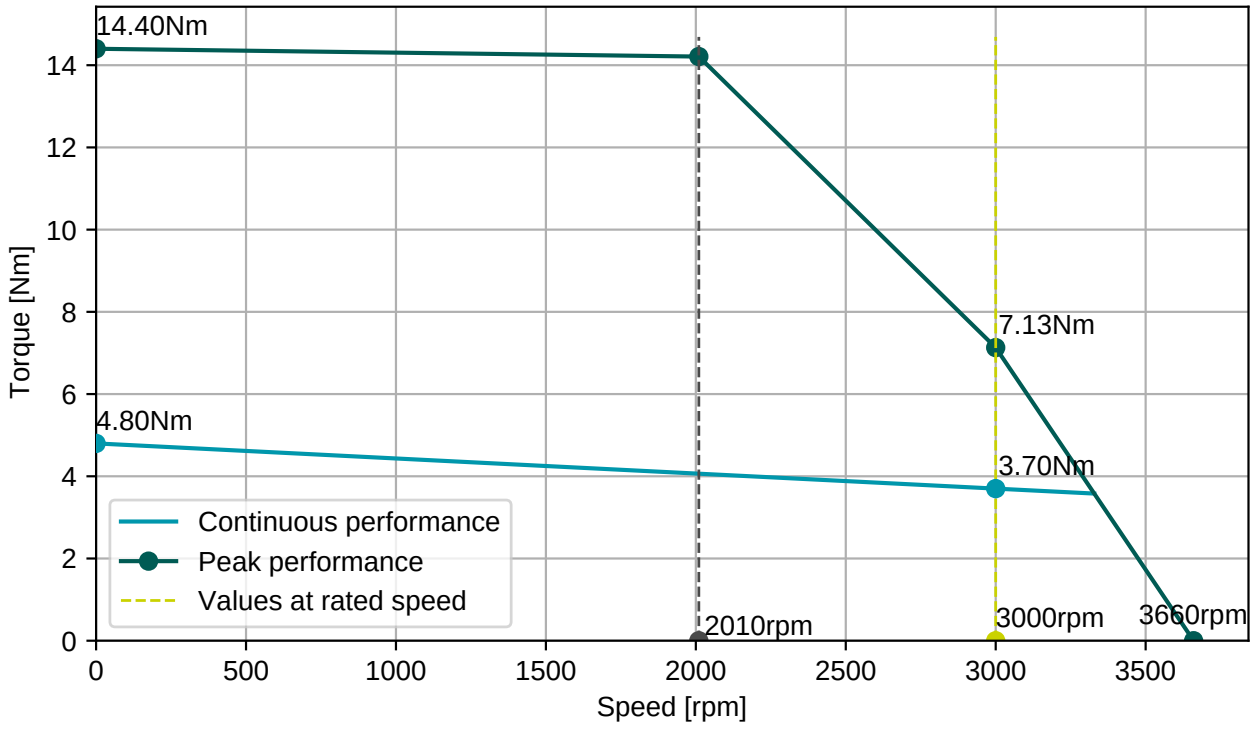
Mechanical data (setting 29)		
Max mechanical speed	12000	rpm
Mech. time constant	0.67	ms
Thermal time constant	30	min
Rotor inertia	1.52	kgcm²
Protection	IP64	
Color	RAL 9005	
Cooling	Convection	
Motor-only mass	4.3	kg
Max. axial force 20kh	75	N
Max. radial force 20kh*	393	N
Max. axial force 100kh	44	N
Max. radial force 100kh*	230	N

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

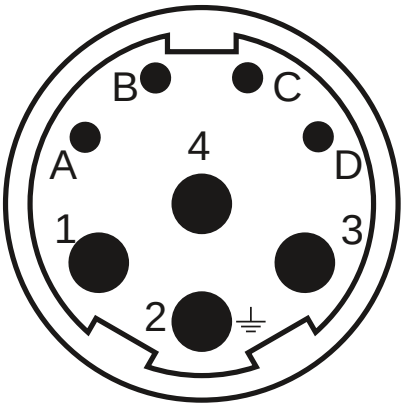
Sensors	
Temperature	PT1000 {PT1000}
Feedback	EQI1131 (EnDat 2.2) multi-turn, 19 + 12 bits

Brake		
Braking torque	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

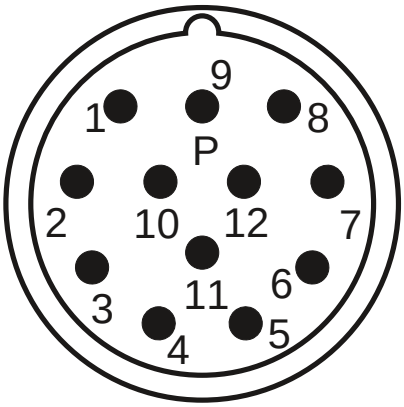
Torque / speed curve



BGC110N00001216000
M23, 8 poles, rotary

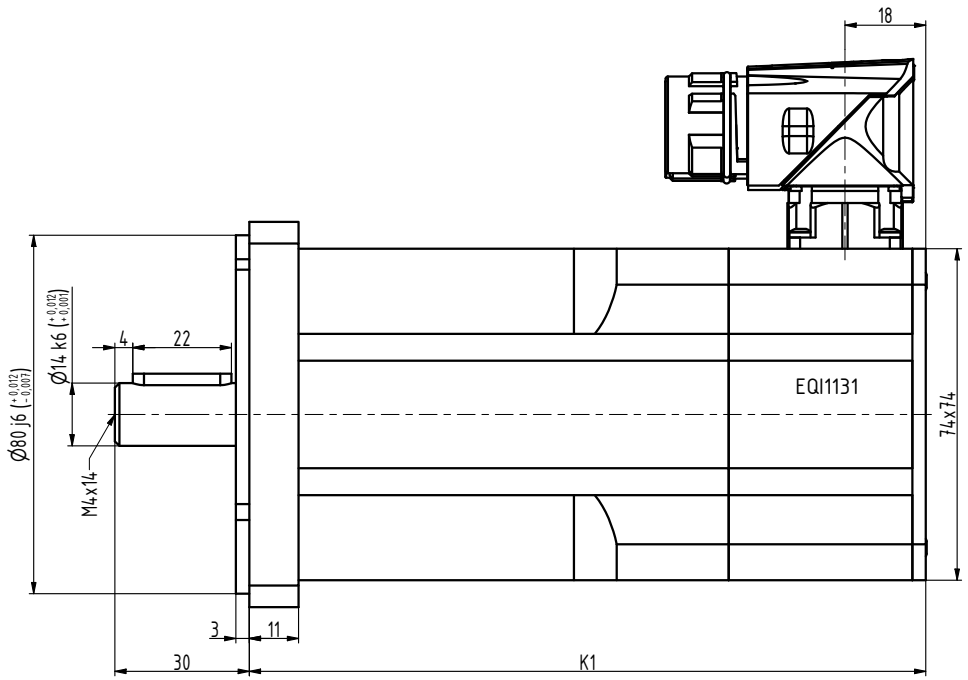


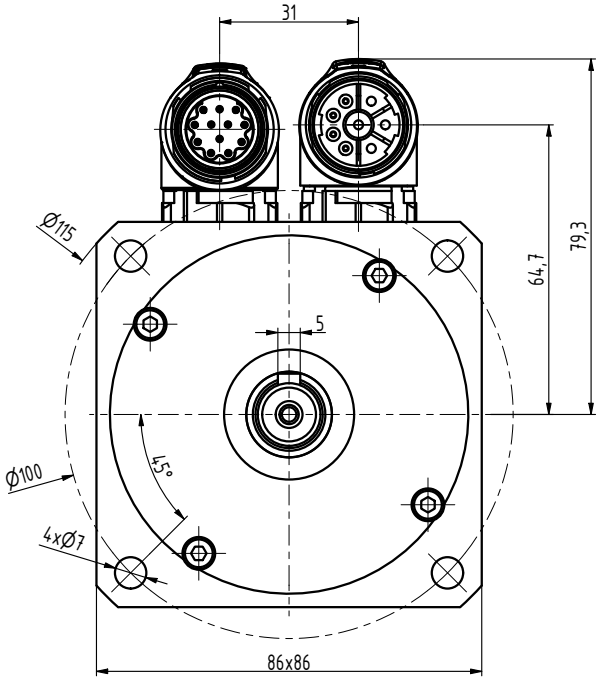
AGC052N00001215000
M23, 12 poles, rotary



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
N3-0115	133
N3-0205	151
N3-0280	169
N3-0350	187
N3-0420	205
N3-0480	223

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 31.05.2021					
TECHNOL.	SCHVÁLIL Ošlejšek	01.11.2018	STARÝ V.	Č.V.	

NÁZEV

Motor N3

N3147 01 BP Z_S4_S1

Listů List