Engineering data (WIN 689)		
DC bus voltage	320	V DC
Nominal AC voltage	220	V AC (rms)
Rated voltage	135	V AC (rms)
Rated power	635	W
Rated speed	6000	rpm
Rated torque	1.01	Nm
Rated current	3.99	A (rms)
Peak torque	3.45	Nm
Peak current	16.3	A (rms)
Stall torque	1.15	Nm
Stall current	3.57	A (rms)
No load speed	11210	rpm
EMF constant ±10%	19	V AC (rms) / 1000rpm
Theoretical torque constant ±10%	0.32	Nm / A (rms)
Torque constant ±10% @ rated load	0.25	Nm / A (rms)
Number of poles	10	
Electrical time constant	2.24	ms
Winding terminal resistance	2.68	Ω
Rotary field terminal inductance	6	mH

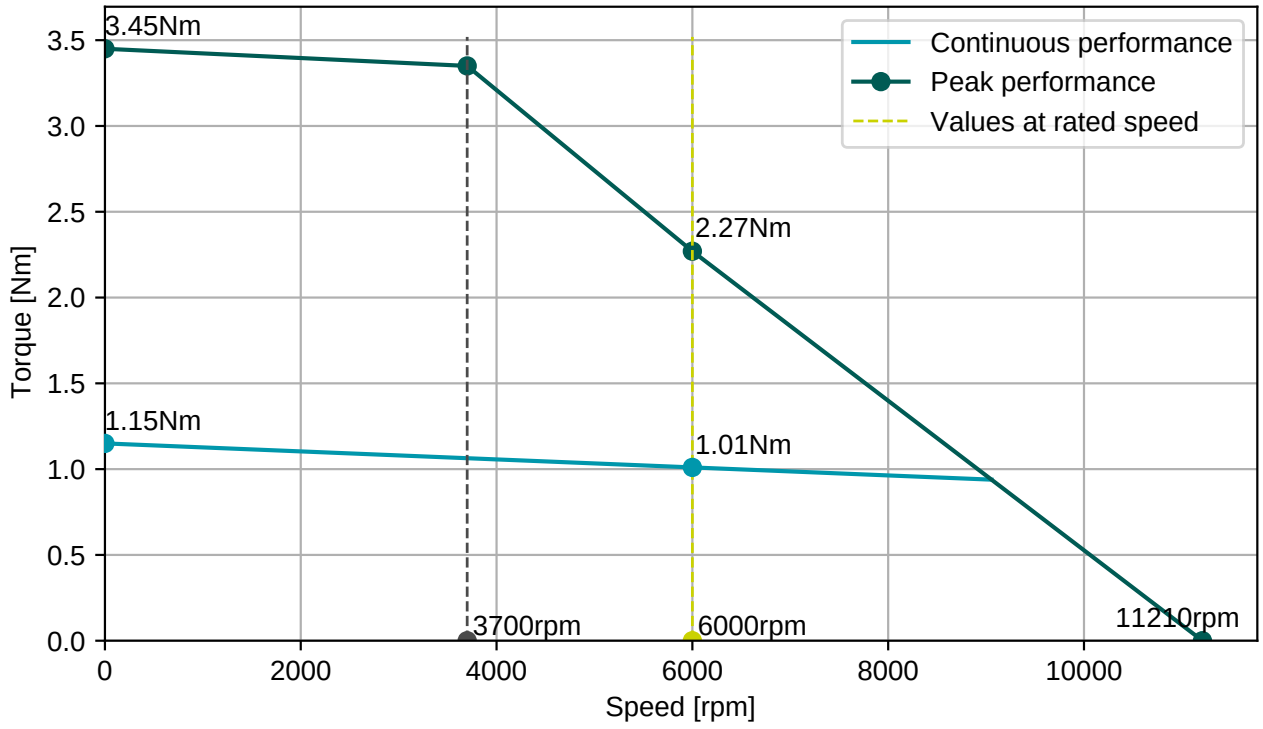
Customs info	
HS Code	85015100

Mechanical data (setting 5)		
Max mechanical speed	12000	rpm
Mech. time constant	1.46	ms
Thermal time constant	21	min
Rotor inertia	0.31	kgcm²
Protection	IP64	
Color	RAL 9005	
Cooling	Convection	

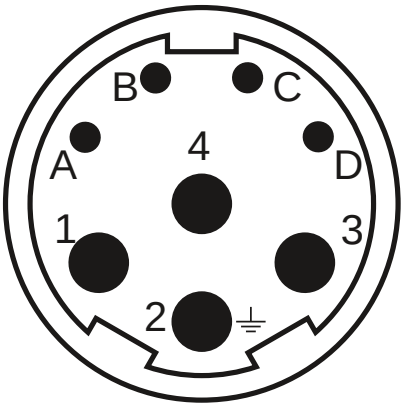
Sensors	
Temperature	PTC 111-K13 {PTC 111-K13 Reissmann}
Feedback	2-pole resolver (ER5Kd411, TS2620N21E11, RE-15-1-A15)

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

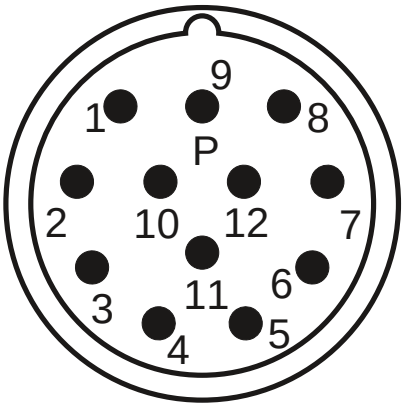
Torque / speed curve



BGC110N00001216000
M23, 8 poles, rotary

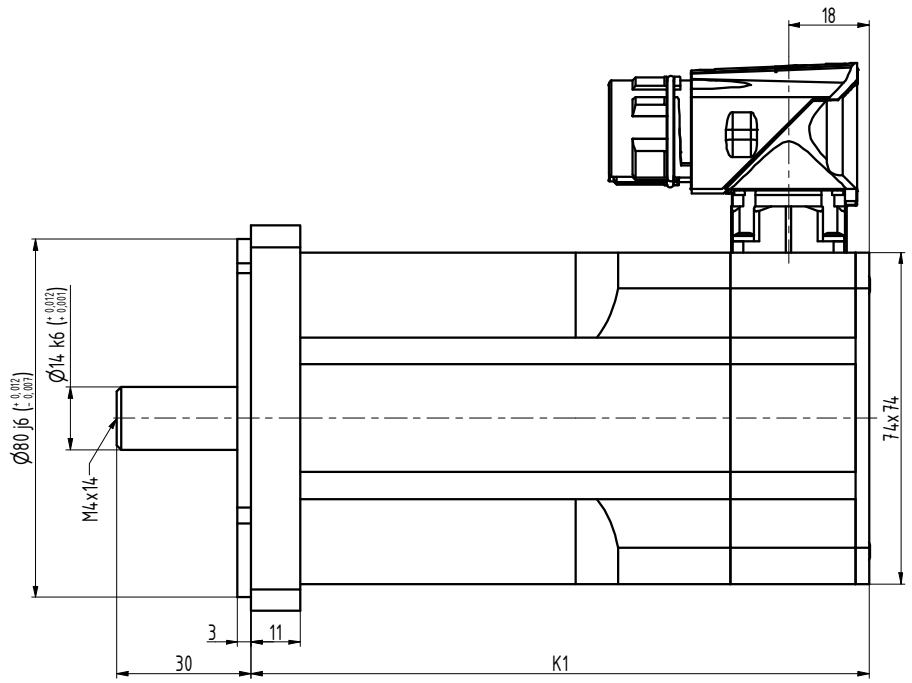


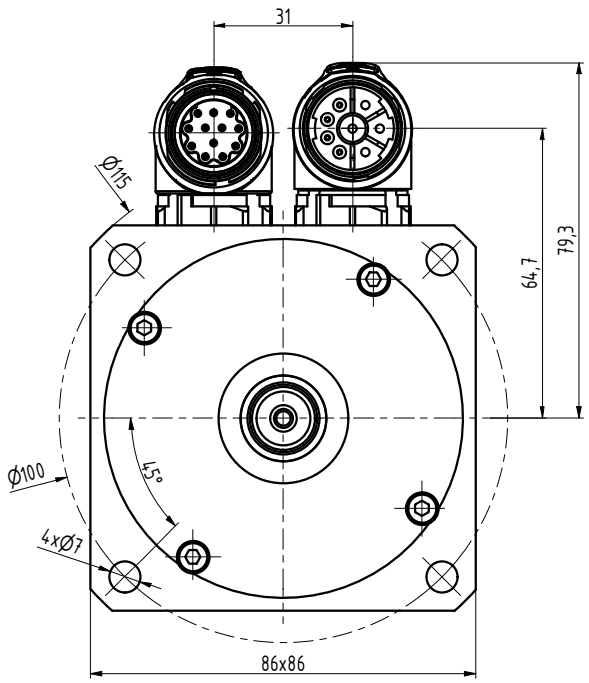
AGC052N00001215000
M23, 12 poles, rotary



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

Connector 2 (10)	
2	Therm+
3	S4
4	S3
5	R2
6	Therm-
7	S2
8	S1
9	R1





TYP	K1
N3-0115	120
N3-0205	138
N3-0280	156
N3-0350	174
N3-0420	192
N3-0480	210

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 28.5.2021					
TECHNOL.	SCHVÁLIL Ošlejšek	16.10.2009		STARÝ V.	Č.V.

NÁZEV
Motor N3

N3111 00 B Z_S4_S1

Listů List