Engineering data (WIN 1249)		
DC bus voltage	560	V DC
Nominal AC voltage	380	V AC (rms)
Rated voltage	256	V AC (rms)
Rated power	683	W
Rated speed	1500	rpm
Rated torque	4.35	Nm
Rated current	1.97	A (rms)
Peak torque	14.4	Nm
Peak current	7	A (rms)
Stall torque	4.8	Nm
Stall current	1.96	A (rms)
No load speed	2560	rpm
EMF constant ±10%	148	V AC (rms) / 1000rpm
Theoretical torque constant ±10%	2.448	Nm / A (rms)
Torque constant ±10% @ rated load	2.208	Nm / A (rms)
Number of poles	10	
Electrical time constant	3.01	ms
Winding terminal resistance	15.482	Ω
Rotary field terminal inductance	46.6	mH

Customs info	
HS Code	85015100

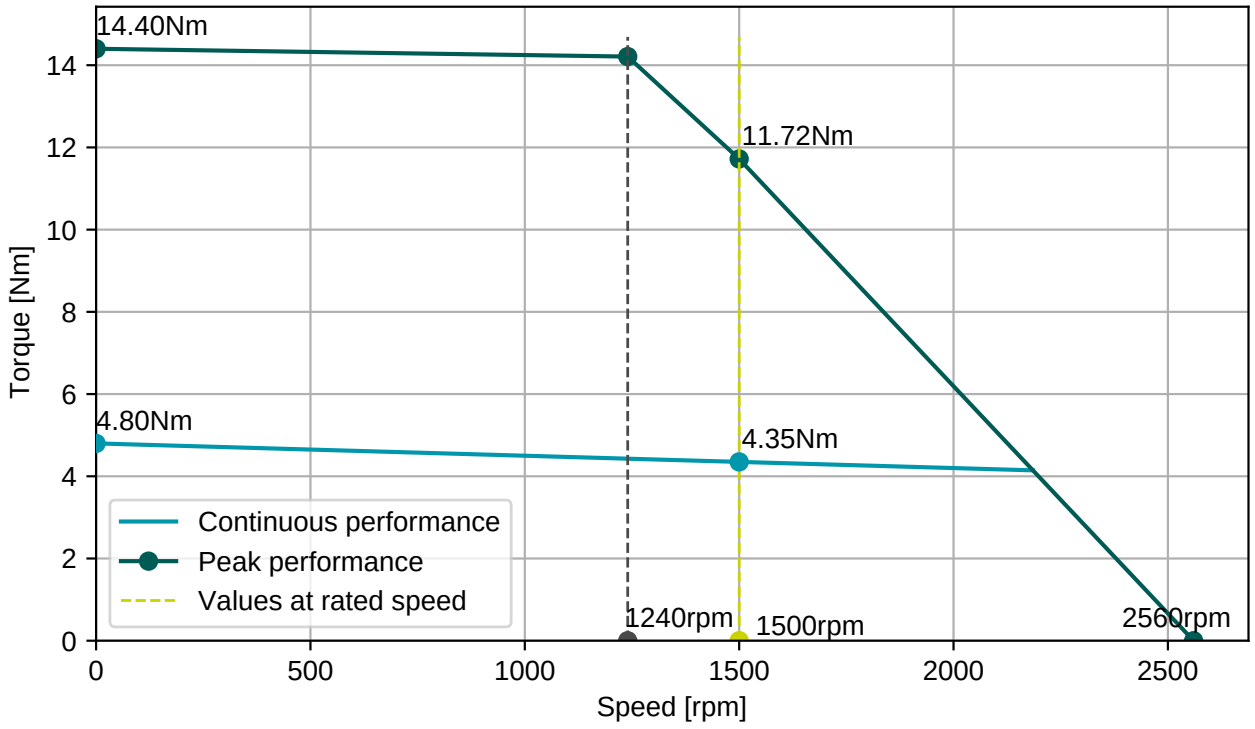
Mechanical data (setting 31)		
Max mechanical speed	12000	rpm
Mech. time constant	0.68	ms
Thermal time constant	30	min
Rotor inertia	1.52	kgcm²
Protection	IP64	
Color	RAL 9005	
Cooling	Convection	
Motor-only mass	2	kg
Max. axial force 20kh	101	N
Max. radial force 20kh*	530	N
Max. axial force 100kh	59	N
Max. radial force 100kh*	310	N

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

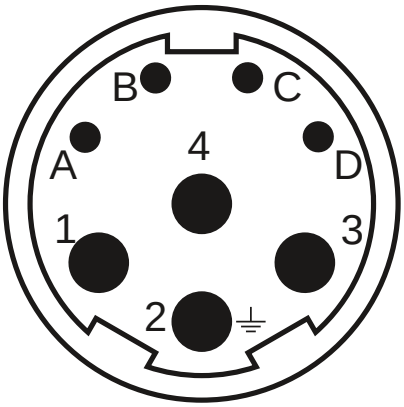
Sensors	
Temperature	PT1000 {PT1000}
Feedback	2-pole resolver (ER5Kd411, TS2620N21E11, RE-15-1-A15)

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

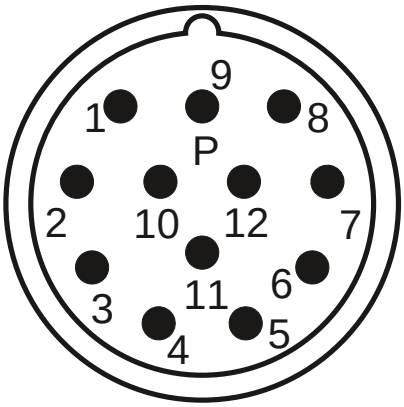
Torque / speed curve



BGC110N00001216000
M23, 8 poles, rotary

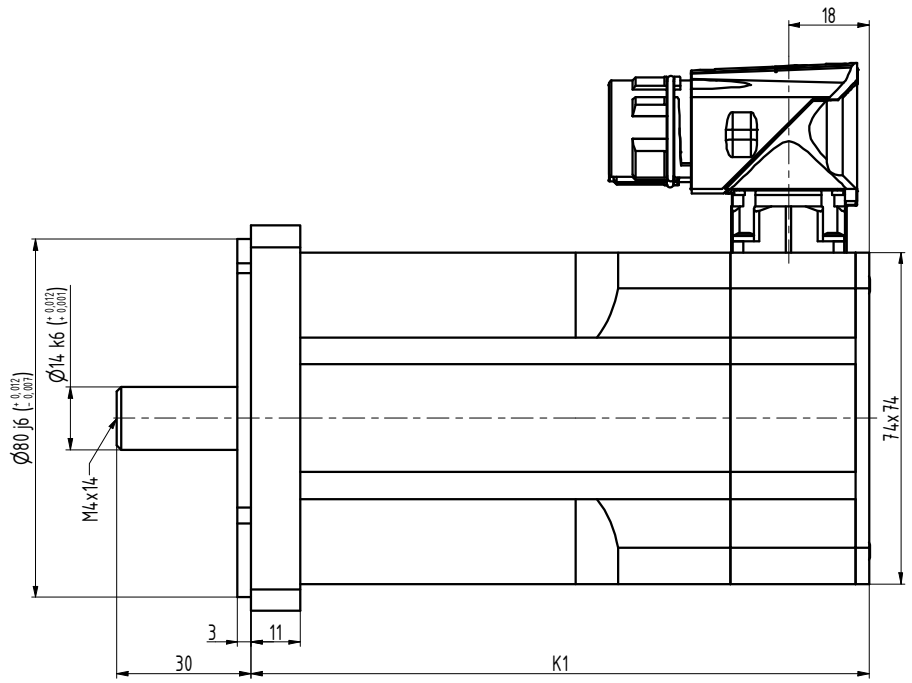


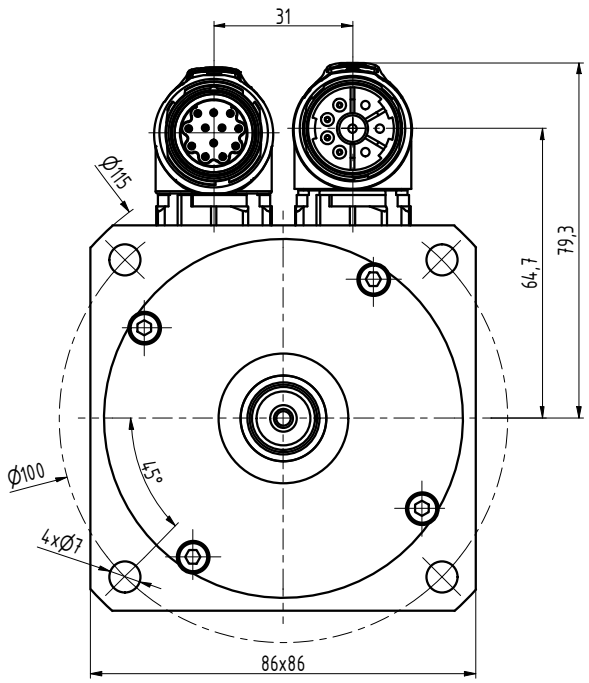
AGC052N00001215000
M23, 12 poles, rotary



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

Connector 2 (2)	
4	S1
8	S3
3	S4
7	S2
5	R2
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