Engineering data (WIN 1673)		
DC bus voltage	560	V DC
Nominal AC voltage	380	V AC (rms)
Rated voltage	300	V AC (rms)
Rated power	1.4	kW
Rated speed	4000	rpm
Rated torque	3.30	Nm
Rated current	3.06	A (rms)
Peak torque	14.4	Nm
Peak current	13.9	A (rms)
Stall torque	4.8	Nm
Stall current	3.87	A (rms)
No load speed	5060	rpm
EMF constant ±10%	75	V AC (rms) / 1000rpm
Theoretical torque constant ±10%	1.24	Nm / A (rms)
Torque constant ±10% @ rated load	1.08	Nm / A (rms)
Number of poles	10	
Electrical time constant	3.01	ms
Winding terminal resistance	3.95	Ω
Rotary field terminal inductance	11.9	mH

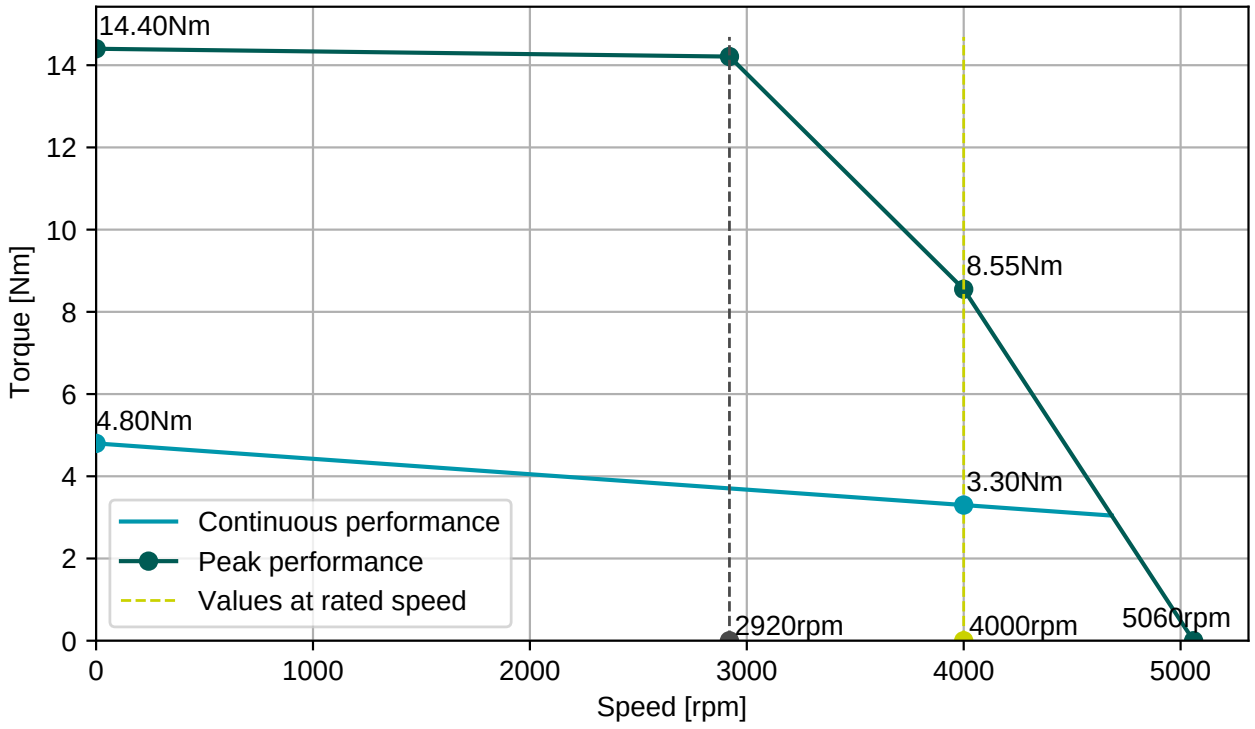
Customs info	
HS Code	85015220

Mechanical data (setting 7)		
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	68	N
Max. radial force 20kh*	356	N
Max. axial force 100kh	40	N
Max. radial force 100kh*	208	N

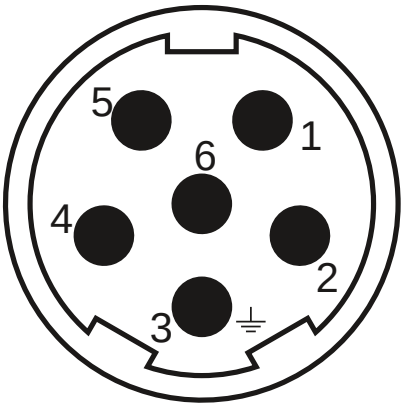
** Defined for point of action at ½ output shaft length*

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

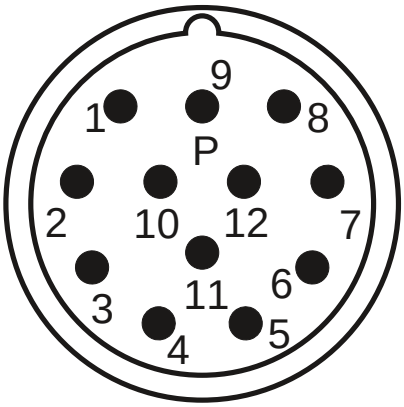
Torque / speed curve



BGC106N00001216000
M23, 6 poles, rotary

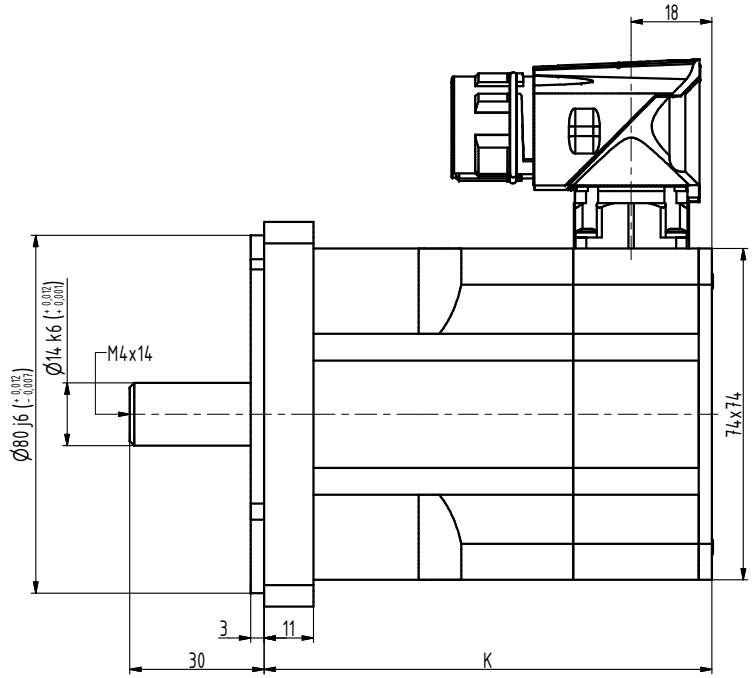


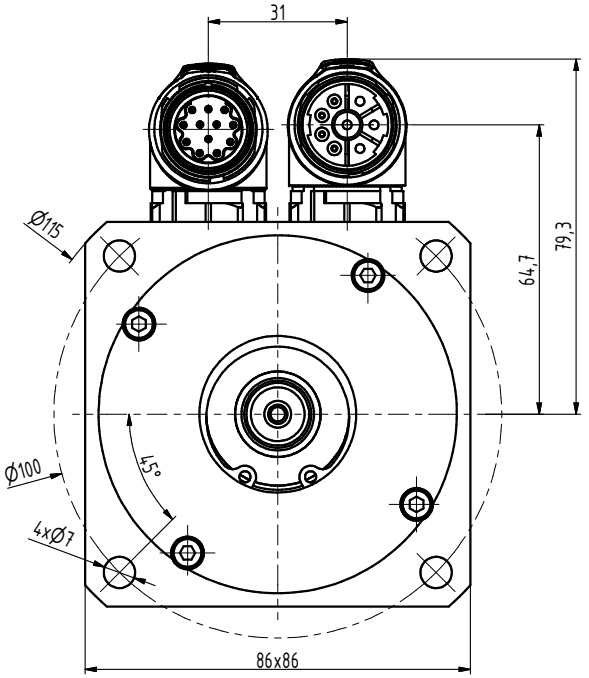
AGC052N00001215000
M23, 12 poles, rotary



Connector 1 (14)	
1	Brake+
2	Brake-
3	PE
4	U
5	V
6	W

Connector 2 (15)	
1	R2
2	R1
4	S2
5	S4
6	S1
7	S3
11	Therm+
12	Therm-





TYP	K
N3-0115	82
N3-0205	100
N3-0280	118
N3-0350	136
N3-0420	154
N3-0480	172

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 4.11.2020				
TECHNOL.	SCHVÁLIL Ošlejšek	18.10.2009	STARÝ V.	Č.V.

NÁZEV
Motor N3

N3111 00 Z_S4_S1

Listů List