Engineering data (WIN 1307)		
DC bus voltage	560	V DC
Nominal AC voltage	380	V AC (rms)
Rated voltage	296	V AC (rms)
Rated power	471	W
Rated speed	6000	rpm
Rated torque	0.75	Nm
Rated current	1.13	A (rms)
Peak torque	8.36	Nm
Peak current	11.2	A (rms)
Stall torque	2.2	Nm
Stall current	2.56	A (rms)
No load speed	7290	rpm
EMF constant ±10%	52	V AC (rms) / 1000rpm
Theoretical torque constant ±10%	0.86	Nm / A (rms)
Torque constant ±10% @ rated load	0.66	Nm / A (rms)
Number of poles	10	
Electrical time constant	1.67	ms
Winding terminal resistance	5.143	Ω
Rotary field terminal inductance	8.59	mH

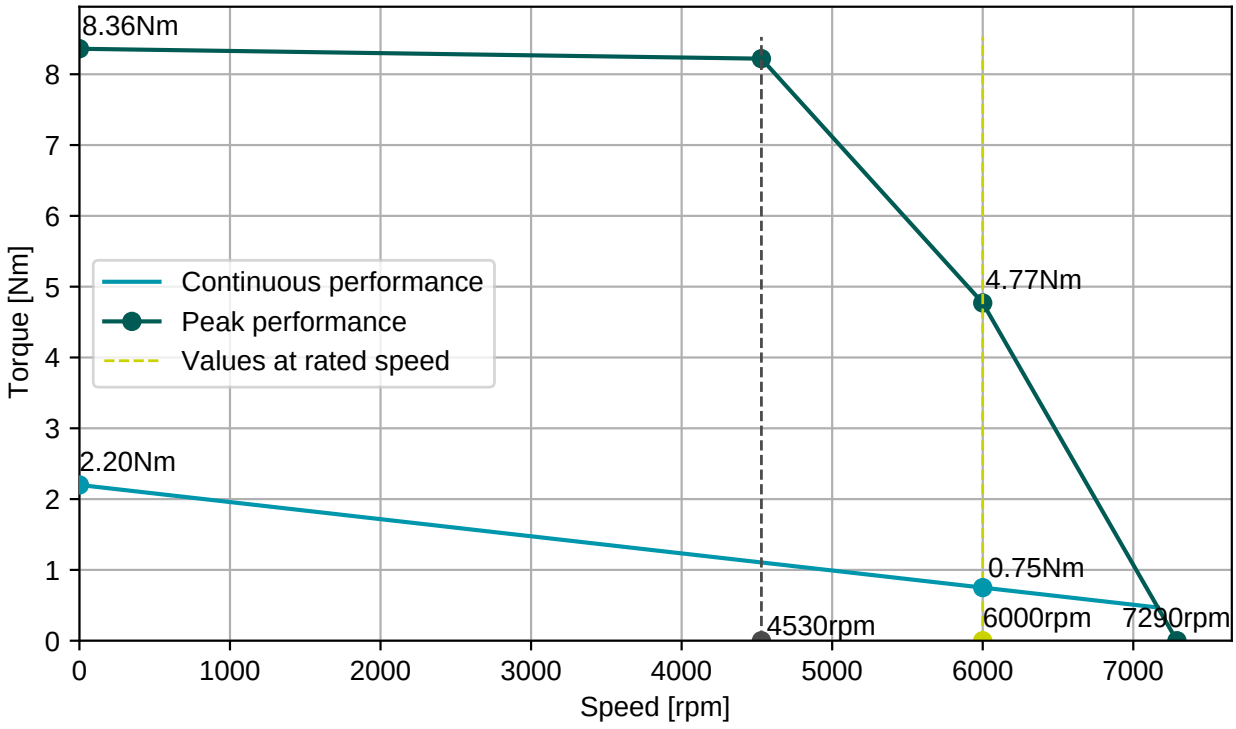
Customs info	
HS Code	85015100

Mechanical data (setting 29)		
Max mechanical speed	12000	rpm
Mech. time constant	1.02	ms
Thermal time constant	32	min
Rotor inertia	0.85	kgcm²
Protection	IP64	
Color	RAL 9005	
Cooling	Convection	
Motor-only mass	2.2	kg
Max. axial force 20kh	49	N
Max. radial force 20kh*	260	N
Max. axial force 100kh	29	N
Max. radial force 100kh*	152	N

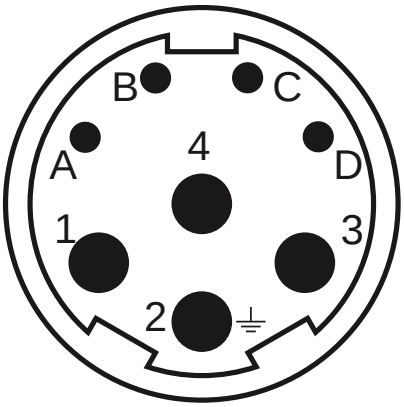
** Defined for point of action at ½ output shaft length*

Sensors	
Temperature	PT1000 {PT1000}
Feedback	ECI1118 (EnDat 2.1), single-turn, 16 imp. ot. 1 Vpp, 18 bits

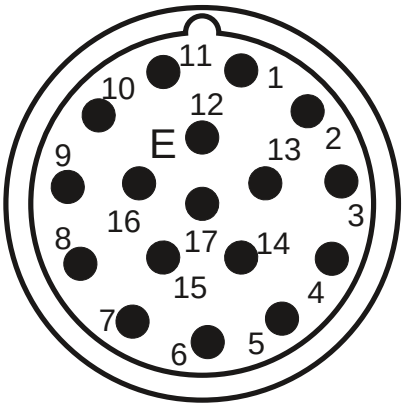
Torque / speed curve



BGC110N00001216000
M23, 8 poles, rotary

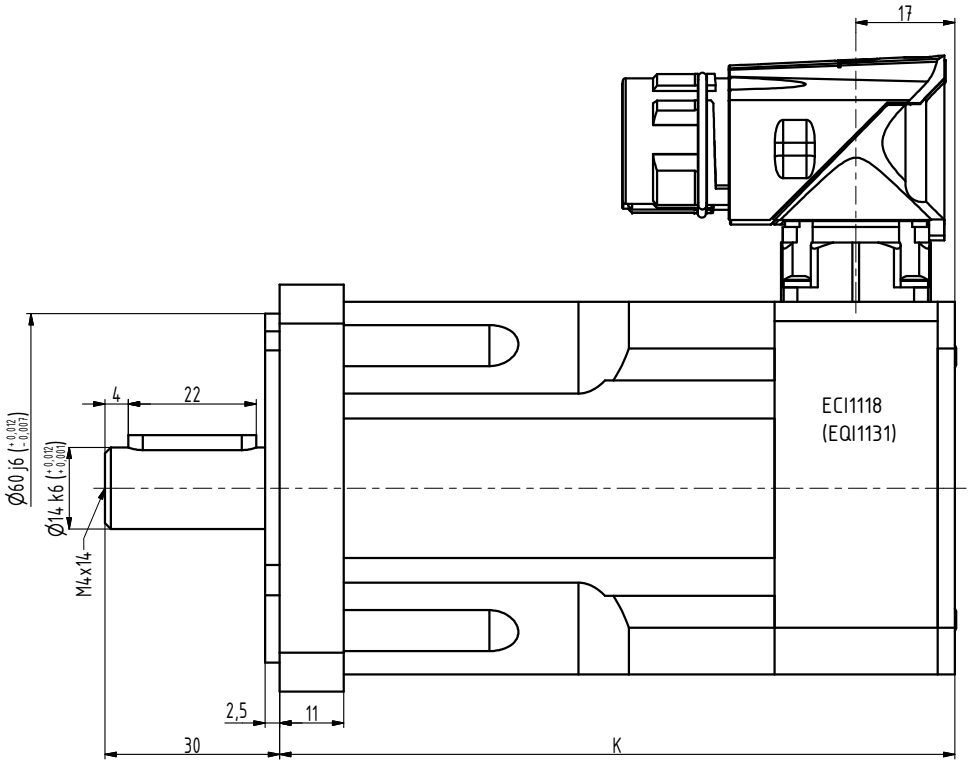


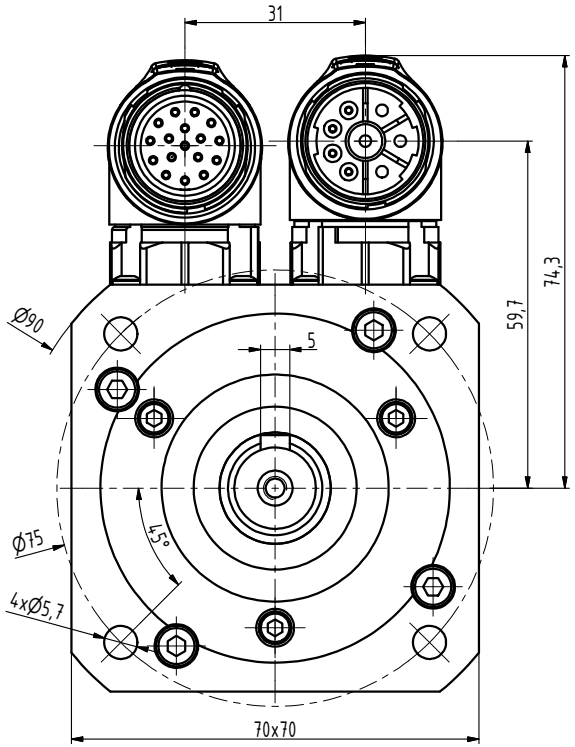
AGC113N00001215000
M23, 17 poles, rotary



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

Connector 2 (150)	
1	Vcc sensor
4	GND sensor
7	Vcc (+5V)
8	CLOCK
9	CLOCK-
10	GND
12	B+
13	B-
14	DATA
15	A+
16	A-
17	DATA-





TYP	K
MA-0075	98
MA-0130	116
MA-0175	134
MA-0220	152
MA-0300	188

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 26.05.2023	STARÝ V.	Č.V.

NÁZEV
Motor MA

MA012 01 P Z_S4_S1

Listů List