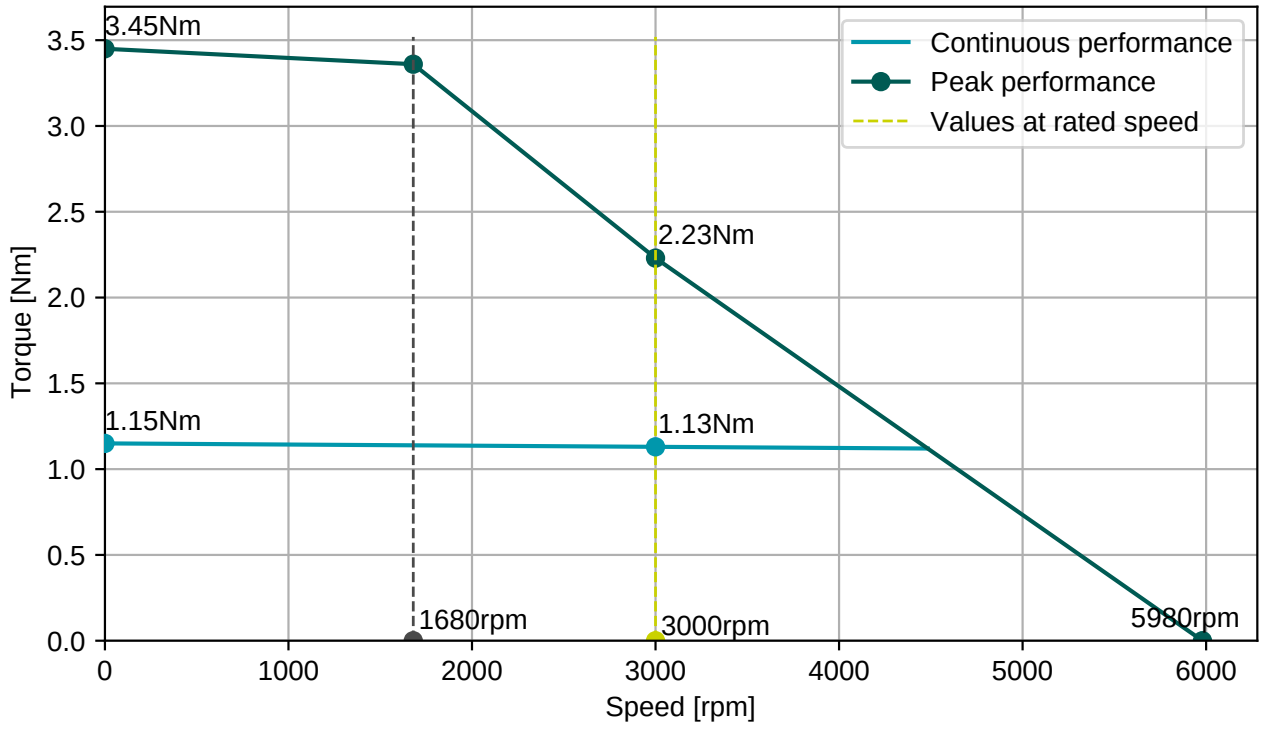
Engineering data (WIN 703)		
DC bus voltage	560	V DC
Nominal AC voltage	380	V AC (rms)
Rated voltage	248	V AC (rms)
Rated power	355	W
Rated speed	3000	rpm
Rated torque	1.13	Nm
Rated current	1.26	A (rms)
Peak torque	3.45	Nm
Peak current	5	A (rms)
Stall torque	1.15	Nm
Stall current	1.1	A (rms)
No load speed	5980	rpm
EMF constant ±10%	63	V AC (rms) / 1000rpm
Theoretical torque constant ±10%	1.04	Nm / A (rms)
Torque constant ±10% @ rated load	0.90	Nm / A (rms)
Number of poles	10	
Electrical time constant	2.14	ms
Winding terminal resistance	27.76	Ω
Rotary field terminal inductance	59.3	mH

Customs info	
HS Code	85015100

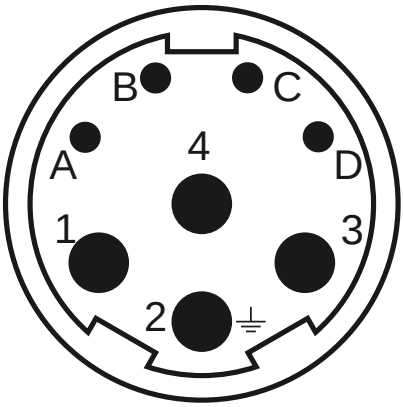
Mechanical data (setting 29)		
Max mechanical speed	12000	rpm
Mech. time constant	1.37	ms
Thermal time constant	21	min
Rotor inertia	0.31	kgcm²
Protection	IP65	
Color	RAL 9005	
Cooling	Convection	

Sensors	
Temperature	PTC 111-K13 {PTC 111-K13 Reissmann}
Feedback	EQI1131 (EnDat 2.2) multi-turn, 19 + 12 bits

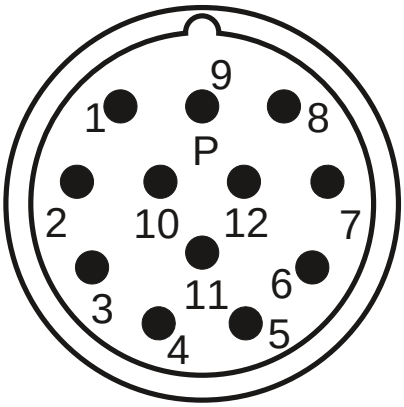
Torque / speed curve



BGC110N00001216000
M23, 8 poles, rotary

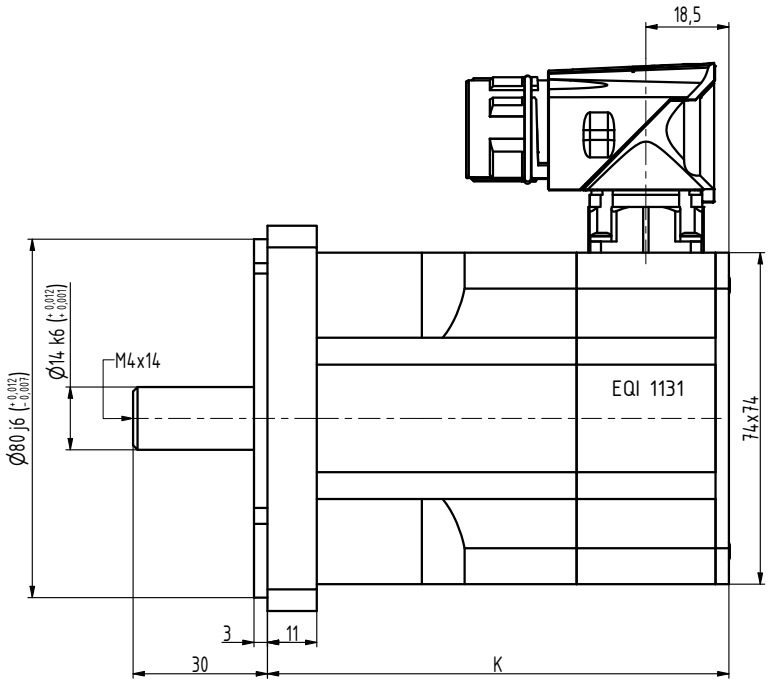


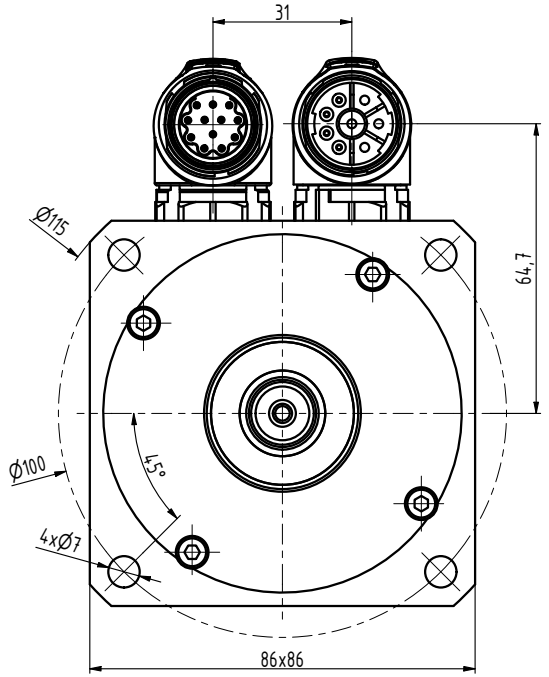
AGC052N00001215000
M23, 12 poles, rotary



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	K
N3-0115	85
N3-0205	103
N3-0280	121
N3-0350	139
N3-0420	157
N3-0480	175

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	02.05.2020	STARÝ V.	Č.V.
NÁZEV	Motor N3			N3147 01 Z_S4_S1	
				Listů	List