Engineering data (WIN 713)		
DC bus voltage	560	V DC
Nominal AC voltage	380	V AC (rms)
Rated voltage	289	V AC (rms)
Rated power	2.4	kW
Rated speed	3000	rpm
Rated torque	7.70	Nm
Rated current	6.03	A (rms)
Peak torque	28.8	Nm
Peak current	27.4	A (rms)
Stall torque	9.6	Nm
Stall current	6	A (rms)
No load speed	3910	rpm
EMF constant ±10%	97	V AC (rms) / 1000rpm
Theoretical torque constant ±10%	1.6	Nm / A (rms)
Torque constant ±10% @ rated load	1.3	Nm / A (rms)
Number of poles	10	
Electrical time constant	6.01	ms
Winding terminal resistance	1.98	Ω
Rotary field terminal inductance	11.9	mH

Customs info	
HS Code	85015220

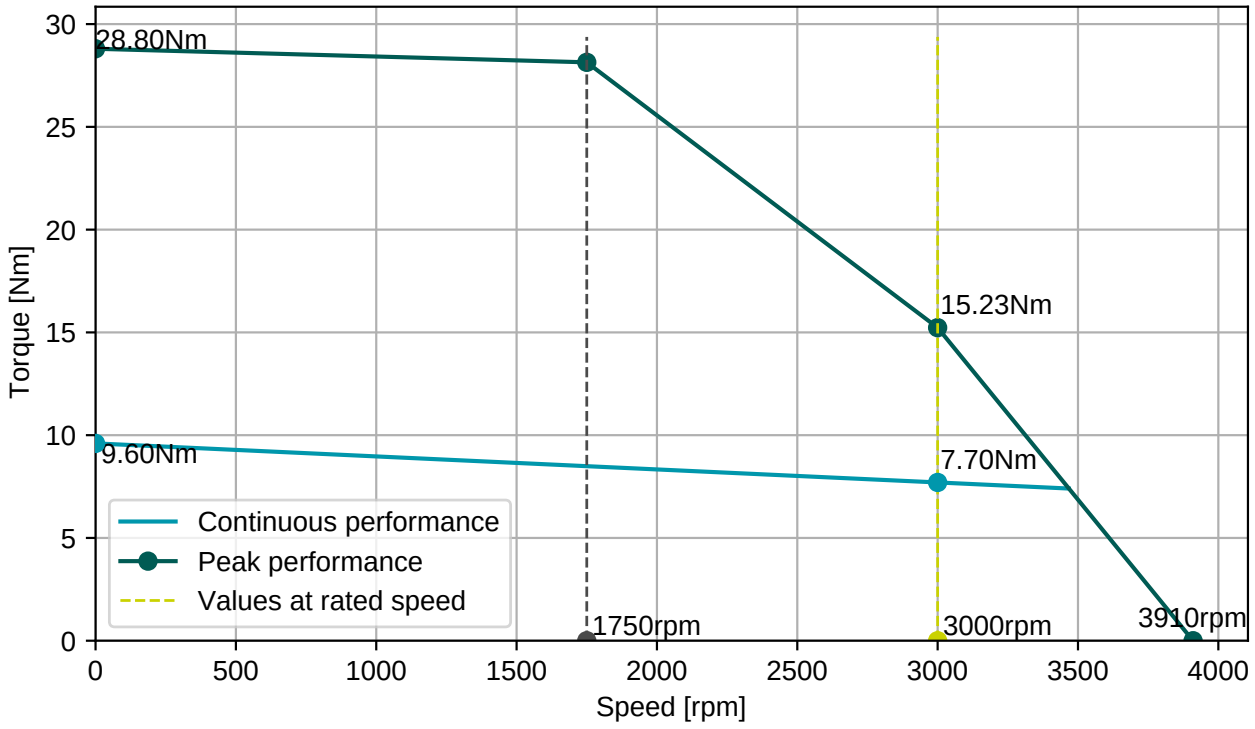
Mechanical data (setting 30)		
Max mechanical speed	9000	rpm
Mech. time constant	0.60	ms
Thermal time constant	35	min
Rotor inertia	4.49	kgcm²
Protection	IP64	
Color	RAL 9005	
Cooling	Convection	
Motor-only mass	6.4	kg
Max. axial force 20kh	131	N
Max. radial force 20kh*	689	N
Max. axial force 100kh	77	N
Max. radial force 100kh*	403	N

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

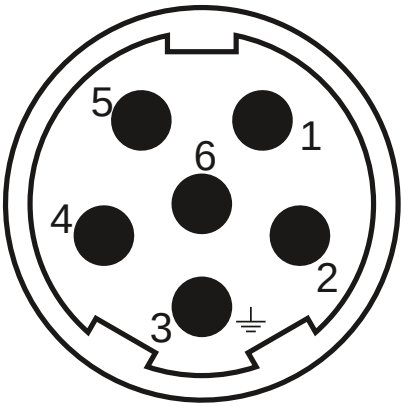
Sensors	
Temperature	KTY 84-130 {KTY 84-130 Reissmann}
Feedback	EQN1325 (EnDat 2.1) 2048 imp/rev., 1 Vpp

Brake		
Braking torque	9.00	Nm
Voltage	24	V DC
Power @20°C	18.0	W
Current @20°C	0.75	A
Inertia	0.60	kgcm²
Mass	0.82	kg

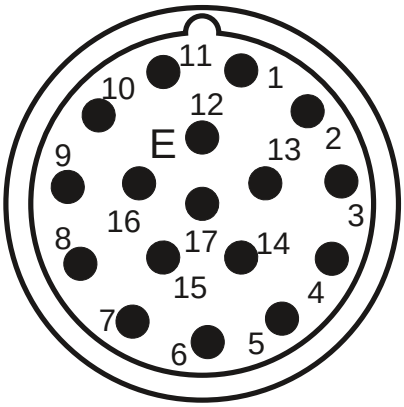
Torque / speed curve



BGC106N00001216000
M23, 6 poles, rotary

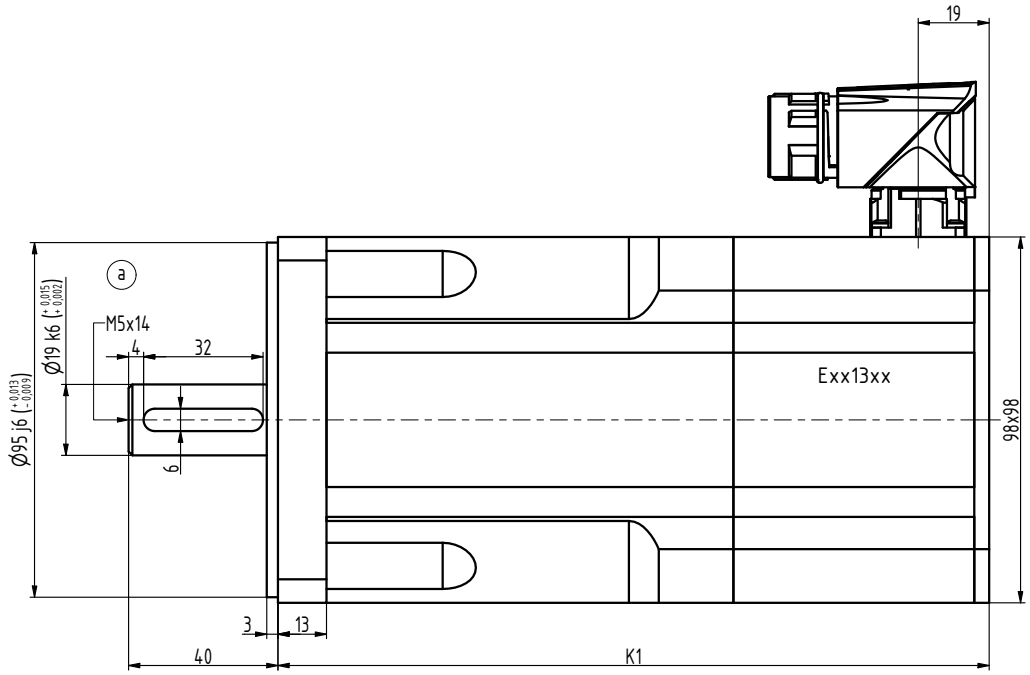


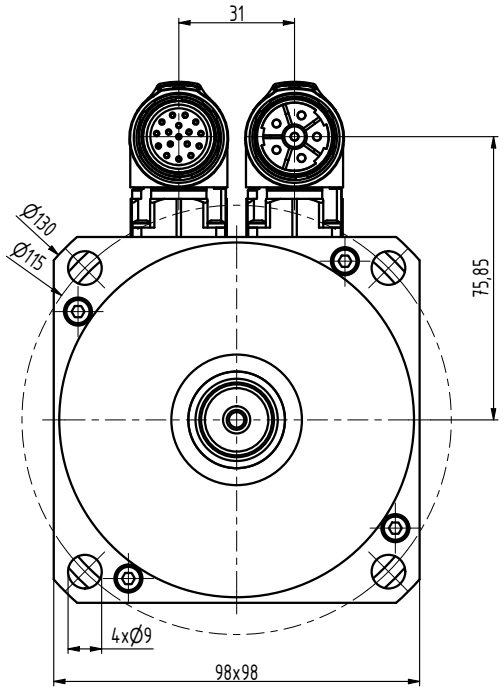
AGC113N00001215000
M23, 17 poles, rotary



Connector 1 (62)	
1	U
2	V
3	PE
4	Brake+
5	Brake-
6	W

Connector 2 (120)	
1/2	A+/A-
11/12	B+/B-
3/13	Data+/Data-
5/14	Clock+/Clock-
10	+5V
7	GND
16	+5Vsenzor
15	GNDsenzor
8	Therm+
9	Therm-





TYP	K1
N4-0510	190,5
N4-0750	220,5
N4-0960	250,5
N4-1130	280,5

INDEX	ZMĚNA	DATUM	PODPIS
a	Gewinde	26.8.16	RŠ

ZN.MAT.		T.O.	HMOTNOST kg	MĚŘ.
ROZM.-POLOT.				
POM. ZAŘ.			ČSN	TŘ.Č.
VYPR. Šimík	NORM.REF.		POZN.	Č. KUSOVNÍKU
PŘEKR.				
TECHNOL.	SCHVÁLIL Ošlejšek	5.3.2015	STARÝ V.	Č.V.

NÁZEV
Motor N4

N4097 00 BP Z a

Listů List