Engineering data (WIN 1630)		
DC bus voltage	560	V DC
Nominal AC voltage	380	V AC (rms)
Rated voltage	279	V AC (rms)
Rated power	1.1	kW
Rated speed	6000	rpm
Rated torque	1.80	Nm
Rated current	2.79	A (rms)
Peak torque	8.4	Nm
Peak current	14.1	A (rms)
Stall torque	2.8	Nm
Stall current	3.64	A (rms)
No load speed	8150	rpm
EMF constant ±10%	46.5	V AC (rms) / 1000rpm
Theoretical torque constant ±10%	0.769	Nm / A (rms)
Torque constant ±10% @ rated load	0.645	Nm / A (rms)
Number of poles	10	
Electrical time constant	2.53	ms
Winding terminal resistance	3.48	Ω
Rotary field terminal inductance	8.8	mH

Customs info	
HS Code	85015220

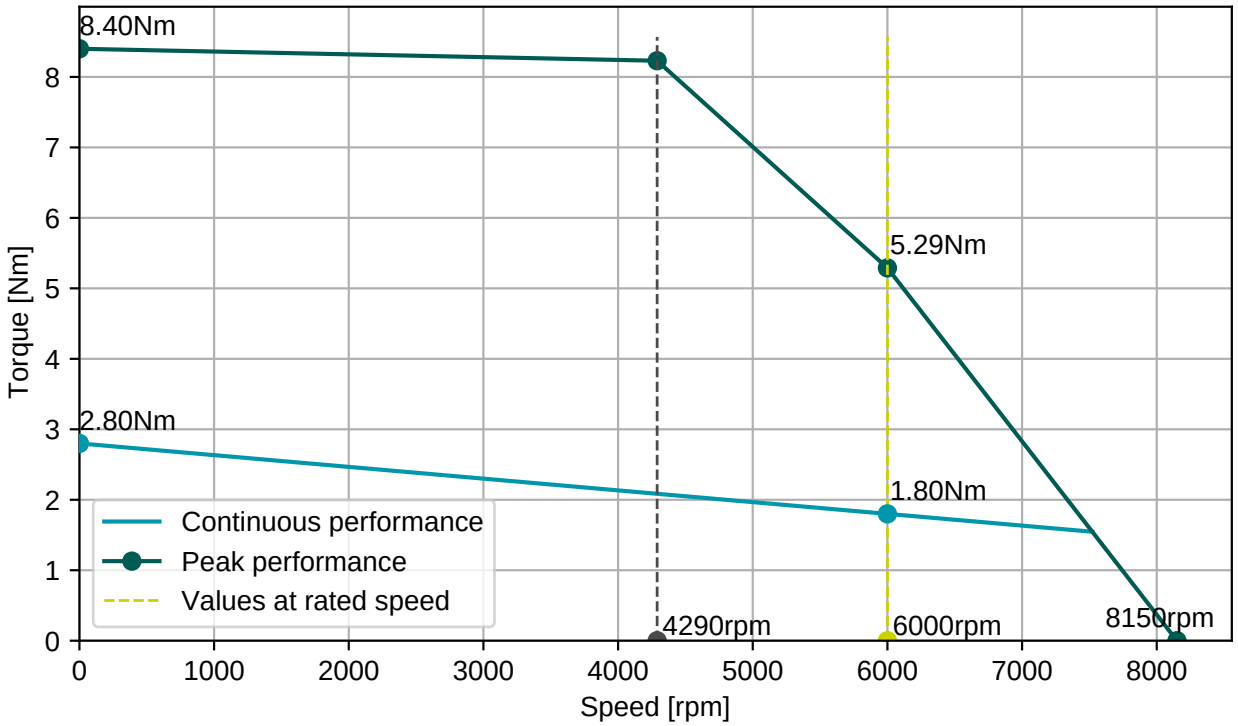
Mechanical data (setting 48)		
Max mechanical speed	12000	rpm
Mech. time constant	0.82	ms
Thermal time constant	25	min
Rotor inertia	0.8	kgcm²
Protection	IP64	
Color	RAL 9005	
Cooling	Convection	
Motor-only mass	3	kg
Max. axial force 20kh	54	N
Max. radial force 20kh*	286	N
Max. axial force 100kh	32	N
Max. radial force 100kh*	167	N

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

Sensors	
Temperature	PT1000 {PT1000}
Feedback	EEM37 (HDSL) multi-turn, 17+12 bits

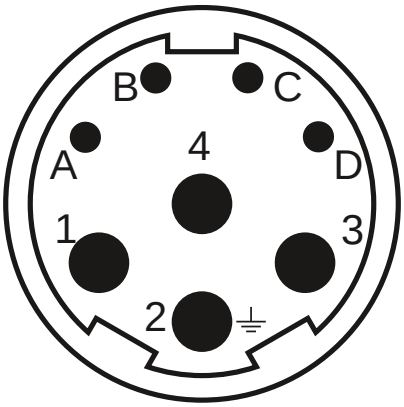
Brake		
Braking torque	4.50	Nm
Voltage	24	V DC
Power @20°C	12.0	W
Current @20°C	0.50	A
Inertia	0.20	kgcm²
Mass	0.47	kg

Torque / speed curve

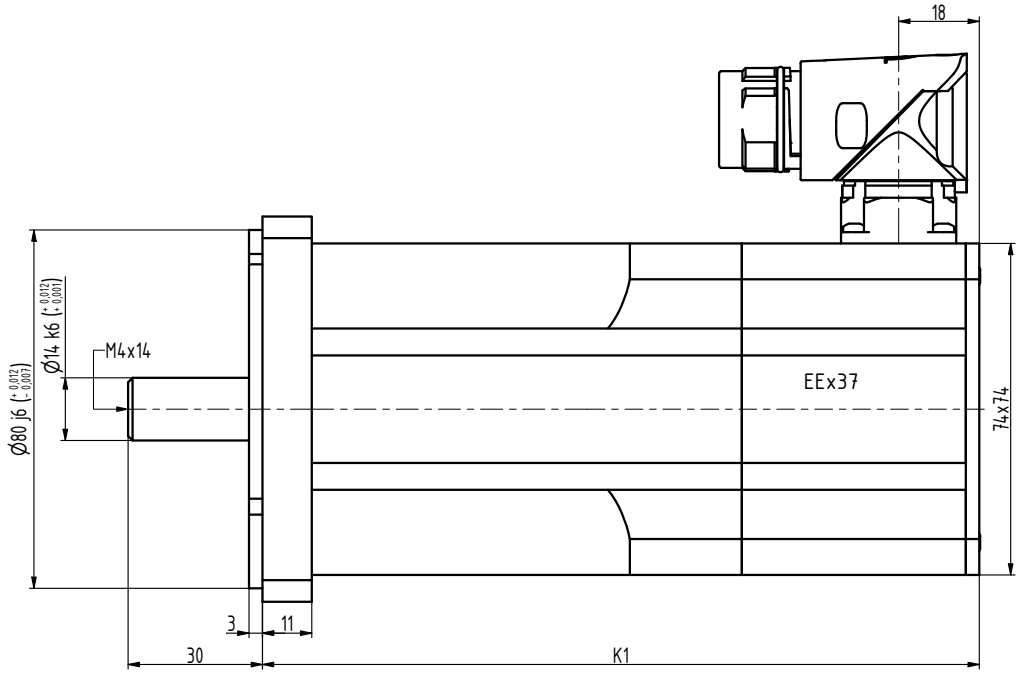


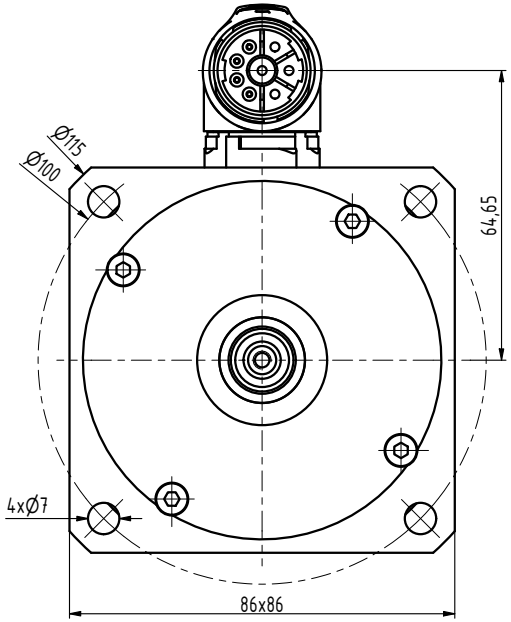
BGC110N00001216000

M23, 8 poles, rotary



Connector 1 (283)	
1	U
4	V
3	W
2	PE
A	Brake+
B	Brake-
C	GND/DSL-
D	+Us/DSL+





TYP	K1
N3-0115	142
N3-0205	160
N3-0280	178
N3-0350	196
N3-0420	214
N3-0480	232

INDEX	ZMĚNA	DATUM	PODPIS

ZN.MAT.		T.O.	HMOTNOST kg	MĚŘ.	
ROZM.-POLOT.					
POM. ZAŘ.			ČSN	TŘ.Č.	
VYPR. Šimík	NORM.REF.		POZN.	Č. KUSOVNÍKU	
PŘEKR. Šimík 24.10.2018					
TECHNOL.	SCHVÁLIL Ošlejšek	11.12.2017	STARÝ V.	Č.V.	

NÁZEV
Motor N3

N3133 03 B Z

Listů List