Engineering data (WIN 1557)		
DC bus voltage	48	V DC
Nominal AC voltage	33	V AC (rms)
Rated voltage	27	V AC (rms)
Rated power	911	W
Rated speed	3000	rpm
Rated torque	2.90	Nm
Rated current	24.07	A (rms)
Peak torque	9.45	Nm
Peak current	103.5	A (rms)
Stall torque	3.25	Nm
Stall current	23.7	A (rms)
No load speed	3970	rpm
EMF constant ±10%	8.28	V AC (rms) / 1000rpm
Theoretical torque constant ±10%	0.137	Nm / A (rms)
Torque constant ±10% @ rated load	0.120	Nm / A (rms)
Number of poles	10	
Electrical time constant	2.89	ms
Winding terminal resistance	0.083	Ω
Rotary field terminal inductance	0.24	mH

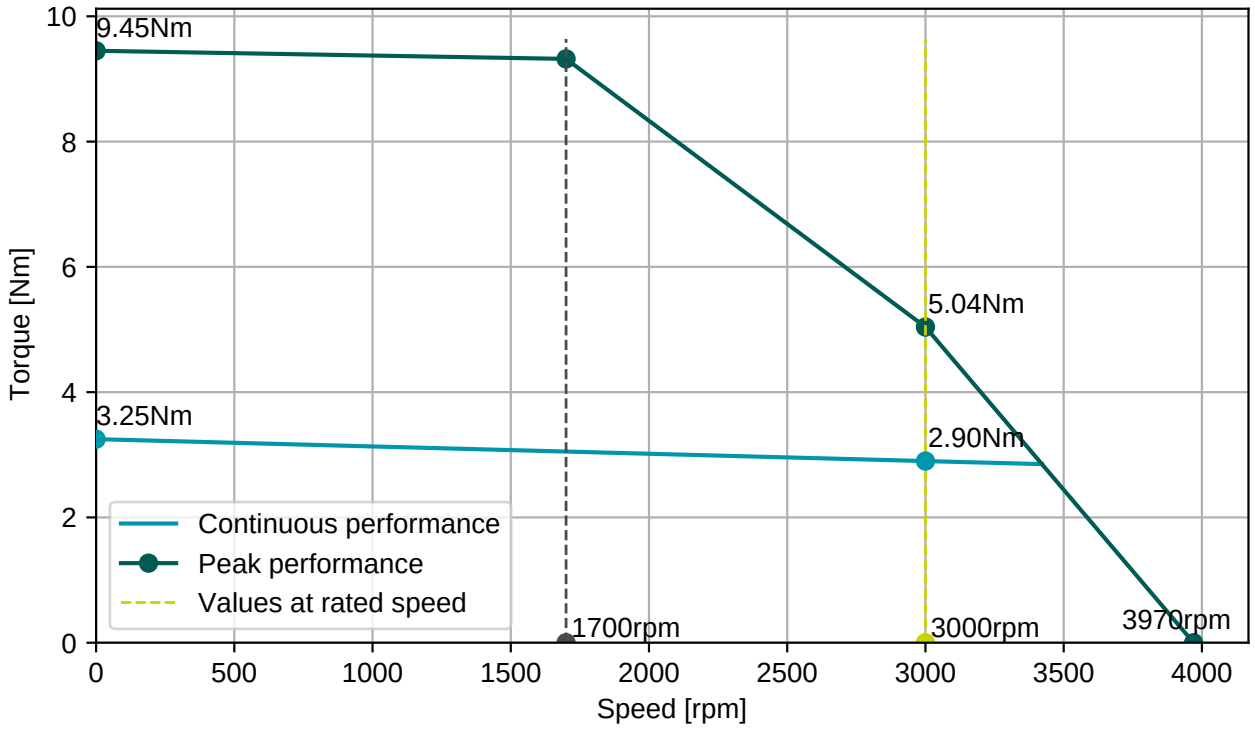
Customs info	
HS Code	85015220

Mechanical data (setting 48)		
Max mechanical speed	12000	rpm
Mech. time constant	0.84	ms
Thermal time constant	34	min
Rotor inertia	1.1	kgcm²
Protection	IP64	
Color	RAL 9005	
Cooling	Convection	
Motor-only mass	2	kg

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

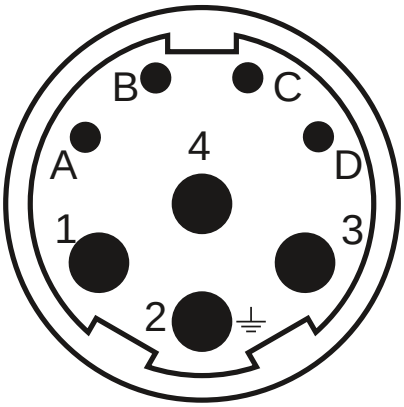
Brake		
Braking torque	4.50	Nm
Voltage	24	V DC
Power @20°C	12.0	W
Current @20°C	0.50	A
Inertia	0.20	kgcm²
Mass	0.47	kg

Torque / speed curve

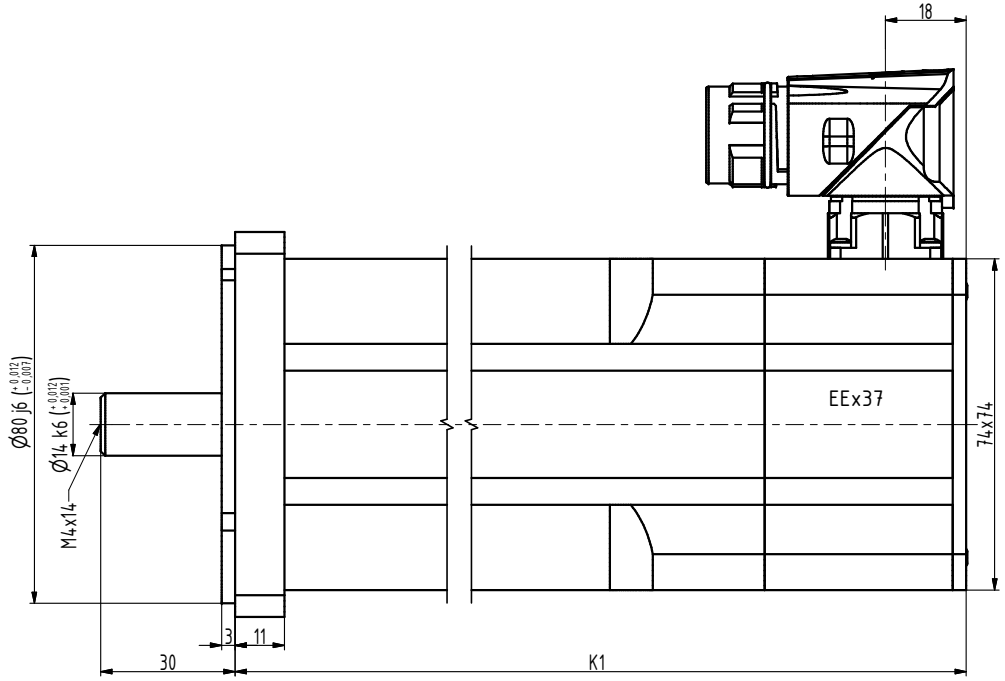


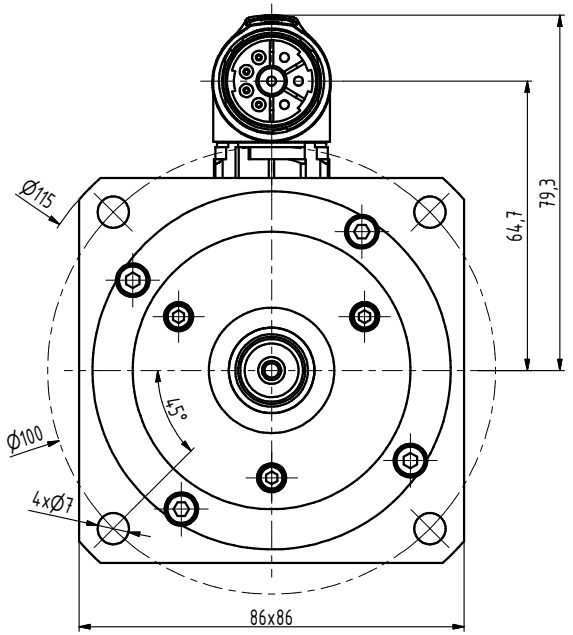
BGC110N00001216000

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
M3-0160	188
M3-0270	224

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	24.11.2021	STARÝ V.	Č.V.
NÁZEV	Motor M3			M3138 02 B Z_S4_S1	
				Listů	List