Engineering data (WIN 731)		
DC bus voltage	560	V DC
Nominal AC voltage	380	V AC (rms)
Rated voltage	296	V AC (rms)
Rated power	4.3	kW
Rated speed	3000	rpm
Rated torque	13.80	Nm
Rated current	9.89	A (rms)
Peak torque	48	Nm
Peak current	35.6	A (rms)
Stall torque	16	Nm
Stall current	10.1	A (rms)
No load speed	3950	rpm
EMF constant ±10%	96	V AC (rms) / 1000rpm
Theoretical torque constant ±10%	1.59	Nm / A (rms)
Torque constant ±10% @ rated load	1.40	Nm / A (rms)
Number of poles	10	
Electrical time constant	8.52	ms
Winding terminal resistance	0.88	Ω
Rotary field terminal inductance	7.5	mH

Customs info	
HS Code	85015220

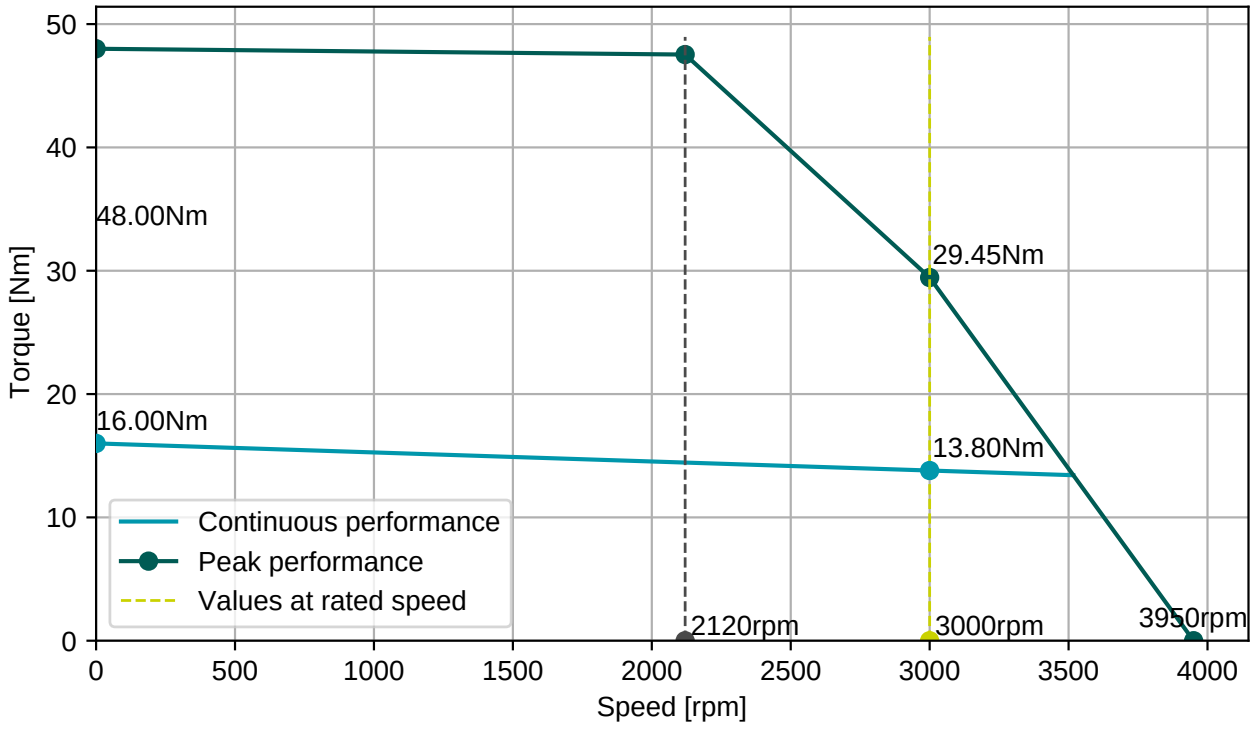
Mechanical data (setting 48)		
Max mechanical speed	9000	rpm
Mech. time constant	0.70	ms
Thermal time constant	55	min
Rotor inertia	11.5	kgcm²
Protection	IP64	
Color	RAL 9005	
Cooling	Convection	
Motor-only mass	11.2	kg
Max. axial force 20kh	57	N
Max. radial force 20kh*	299	N
Max. axial force 100kh	33	N
Max. radial force 100kh*	175	N

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

Sensors	
Temperature	PT1000 {PT1000}
Feedback	EKM36 (HDSL) multi-turn, 17 + 12 bits

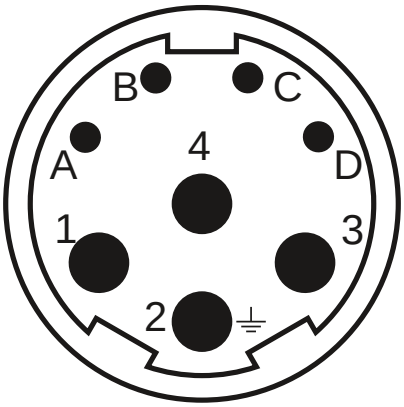
Brake		
Braking torque	18.00	Nm
Voltage	24	V DC
Power @20°C	24.0	W
Current @20°C	1.00	A
Inertia	2.00	kgcm²
Mass	1.80	kg

Torque / speed curve

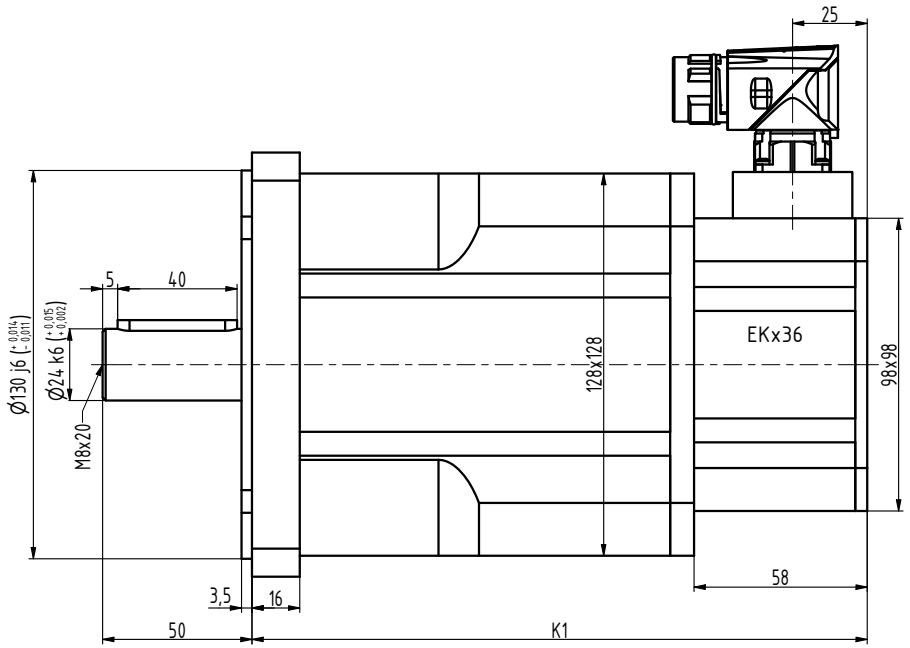


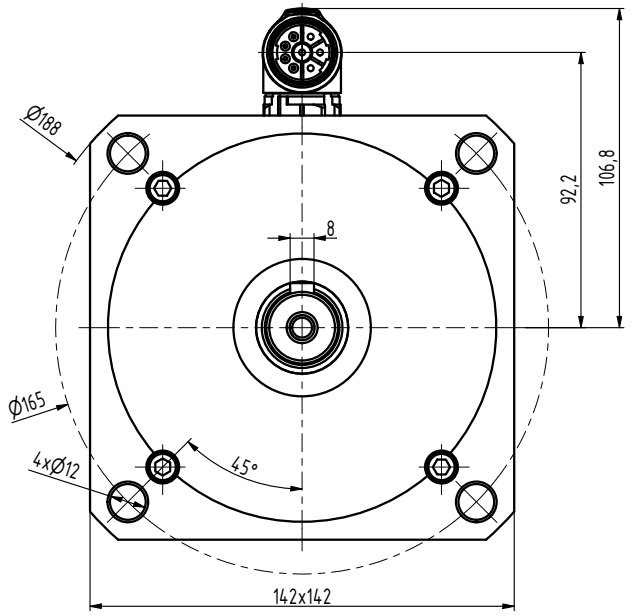
BGC110N00001216000

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
N5-0650	176
N5-1200	206
N5-1600	236
N5-2000	266
N5-2400	296

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	11.09.2021	STARÝ V.	Č.V.	

NÁZEV
Motor N5

N5087 10 BP Z_S4_S1

Listů List