Engineering data (WIN 985)		
DC bus voltage	560	V DC
Nominal AC voltage	380	V AC (rms)
Rated voltage	288	V AC (rms)
Rated power	5.3	kW
Rated speed	2000	rpm
Rated torque	25.30	Nm
Rated current	12.92	A (rms)
Peak torque	90	Nm
Peak current	45.9	A (rms)
Stall torque	30	Nm
Stall current	12.8	A (rms)
No load speed	2670	rpm
EMF constant ±10%	142	V AC (rms) / 1000rpm
Theoretical torque constant ±10%	2.35	Nm / A (rms)
Torque constant ±10% @ rated load	1.96	Nm / A (rms)
Number of poles	10	
Electrical time constant	14.60	ms
Winding terminal resistance	0.63	Ω
Rotary field terminal inductance	9.2	mH

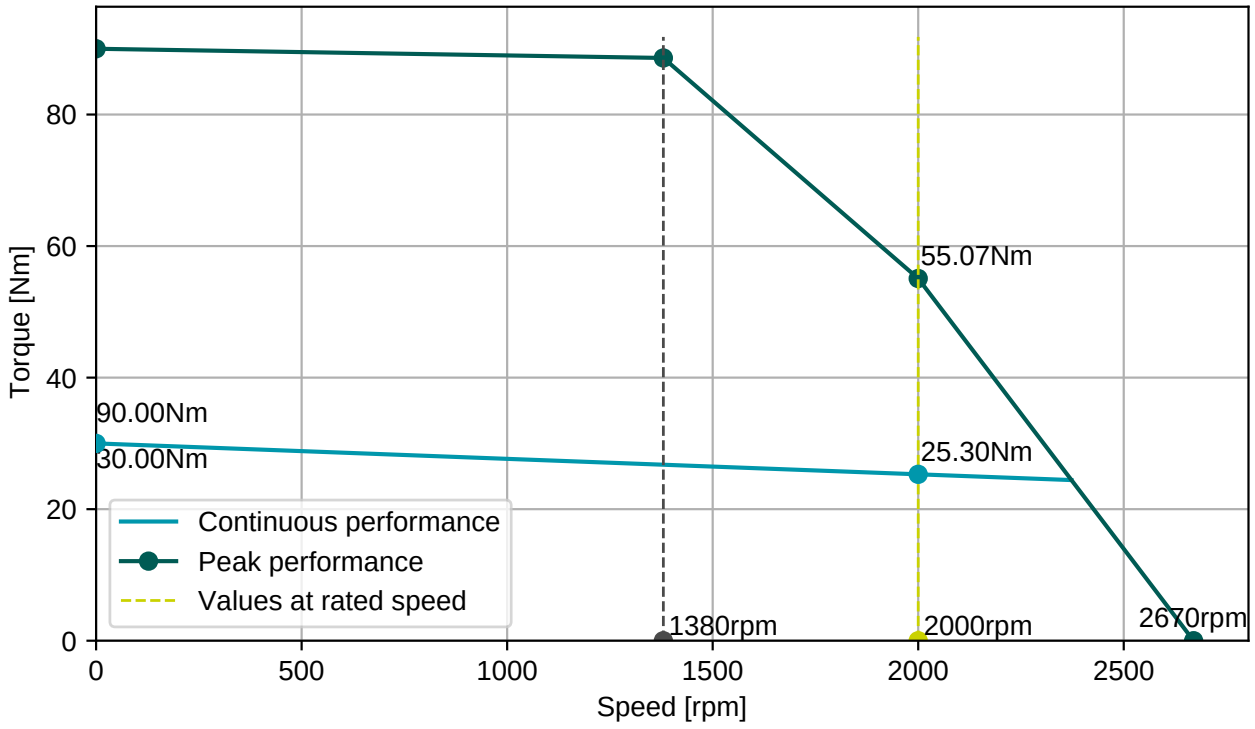
Customs info	
HS Code	85015220

Mechanical data (setting 48)		
Max mechanical speed	6000	rpm
Mech. time constant	0.65	ms
Thermal time constant	52	min
Rotor inertia	32.7	kgcm²
Protection	IP64	
Color	RAL 9005	
Cooling	Ventilation 230V/50Hz	
Motor-only mass	13.8	kg
Max. axial force 20kh	156	N
Max. radial force 20kh*	820	N
Max. axial force 100kh	91	N
Max. radial force 100kh*	480	N

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

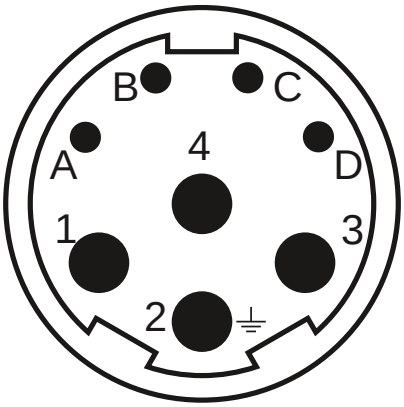
Sensors	
Temperature	PT1000 {PT1000}
Feedback	EKS36 (HDSL) single-turn, 17 bits

Torque / speed curve

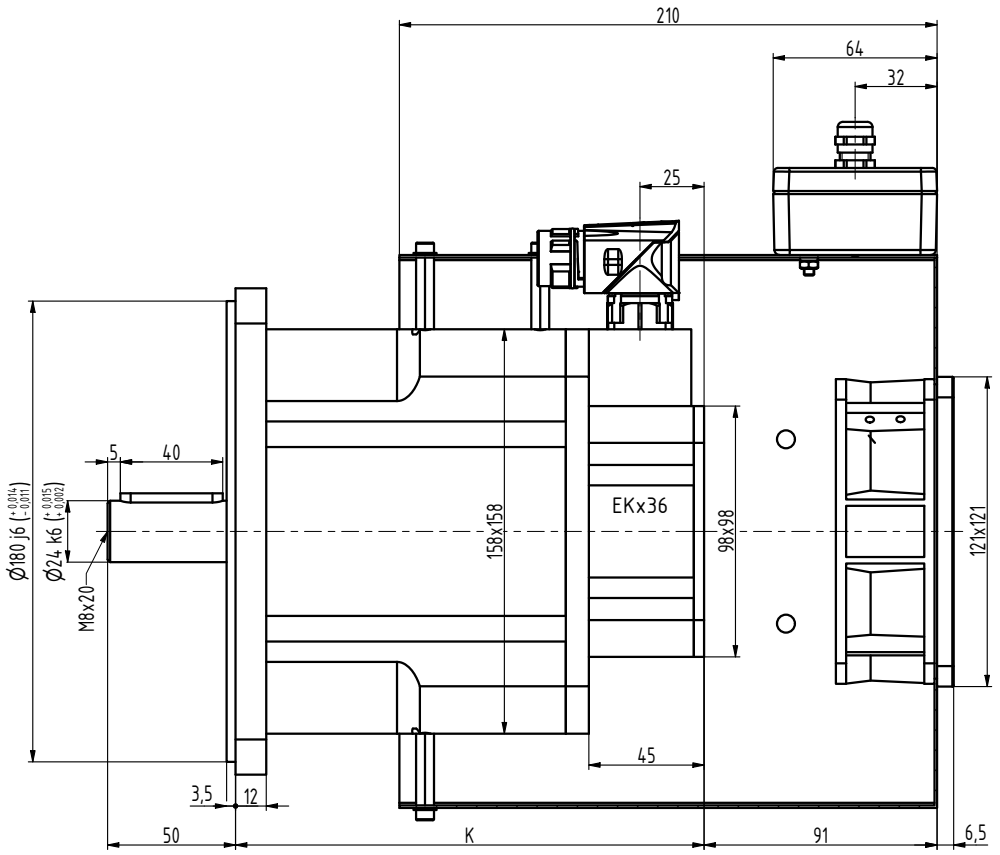


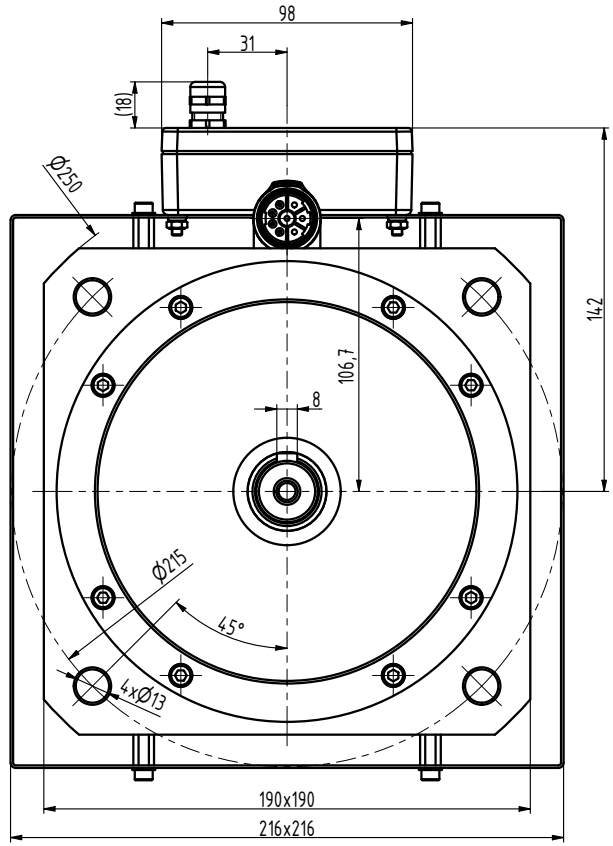
BGC110N00001216000

M23, 8 poles, rotary

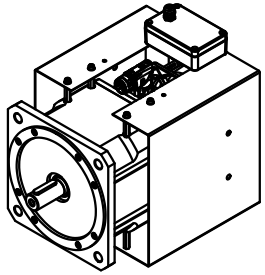


Connector 1 (283)	
1	U
4	V
3	W
2	PE
A	Brake+
B	Brake-
C	GND/DSL-
D	+Us/DSL+





TYP	K
N6-1800	---
N6-2400	183
N6-3000	208
N6-3800	233
N6-4400	258



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	03.09.2025	STARÝ V.	Č.V.

NÁZEV
Motor N6

N6028 10 P Z

Listů List