Engineering data (WIN 1233)		
DC bus voltage	320	V DC
Nominal AC voltage	220	V AC (rms)
Rated voltage	169	V AC (rms)
Rated power	6.9	kW
Rated speed	2000	rpm
Rated torque	32.80	Nm
Rated current	28.23	A (rms)
Peak torque	120	Nm
Peak current	108.5	A (rms)
Stall torque	40	Nm
Stall current	30.6	A (rms)
No load speed	2780	rpm
EMF constant ±10%	81	V AC (rms) / 1000rpm
Theoretical torque constant ±10%	1.307	Nm / A (rms)
Torque constant ±10% @ rated load	1.162	Nm / A (rms)
Number of poles	10	
Electrical time constant	16.88	ms
Winding terminal resistance	0.138	Ω
Rotary field terminal inductance	2.33	mH

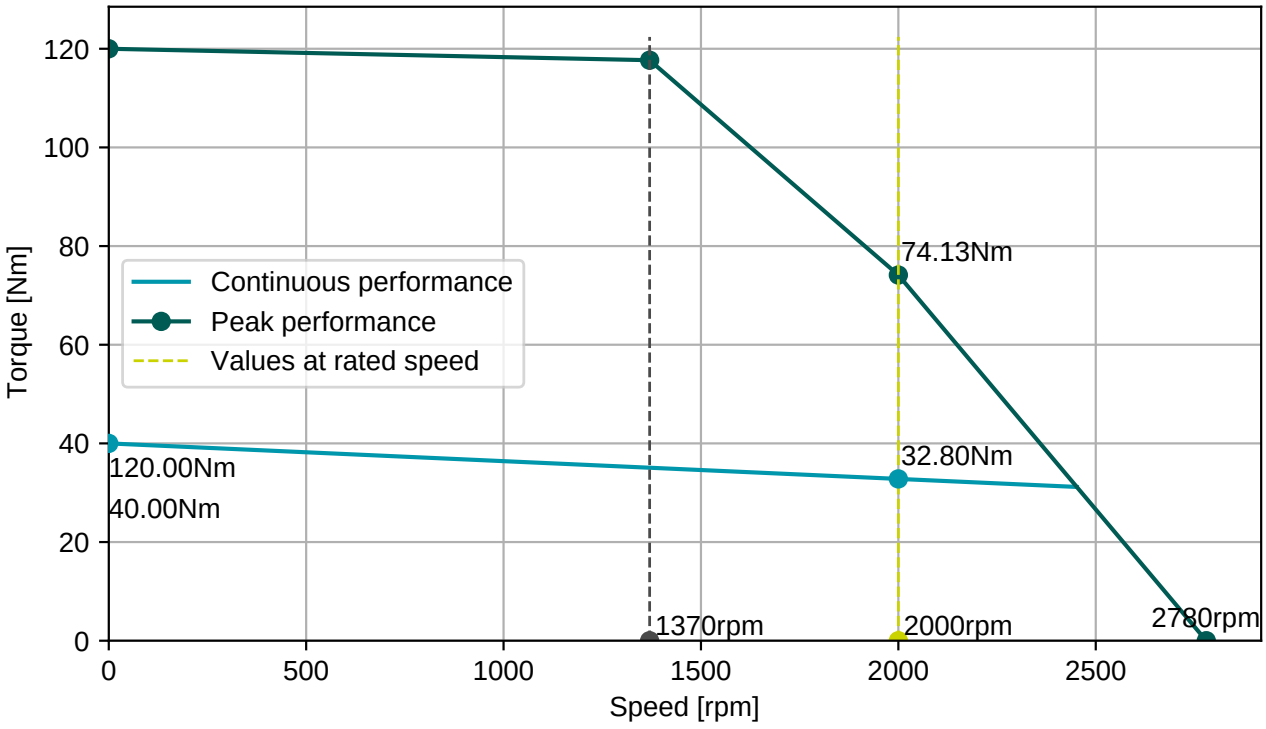
Customs info	
HS Code	85015220

Mechanical data (setting 16)		
Max mechanical speed	6000	rpm
Mech. time constant	0.92	ms
Thermal time constant	90	min
Rotor inertia	69	kgcm²
Protection	IP64	
Color	RAL 9005	
Cooling	Convection	
Max. axial force 20kh	281	N
Max. radial force 20kh*	1478	N
Max. axial force 100kh	164	N
Max. radial force 100kh*	864	N

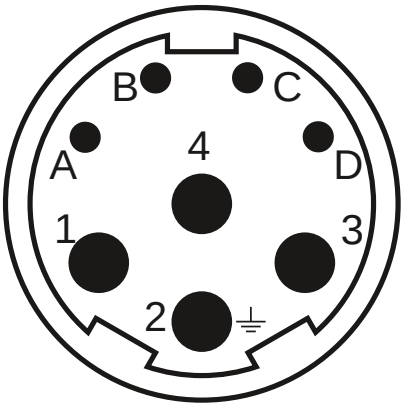
** Defined for point of action at ½ output shaft length*

Sensors	
Temperature	PT1000 {PT1000}
Feedback	SRM50 (Hiperface) multi-turn, 1024 sin/cos+12bits

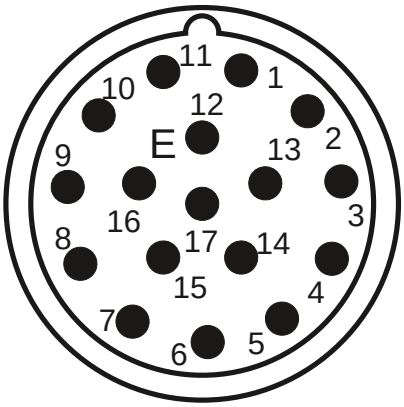
Torque / speed curve



BGC110N00001216000
M23, 8 poles, rotary

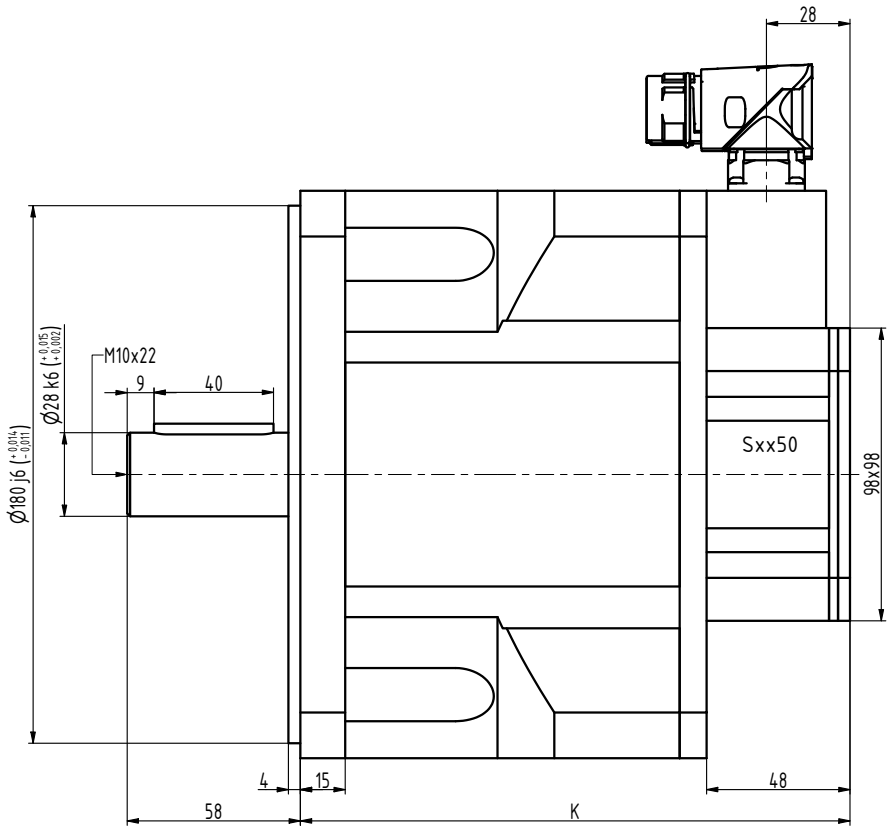


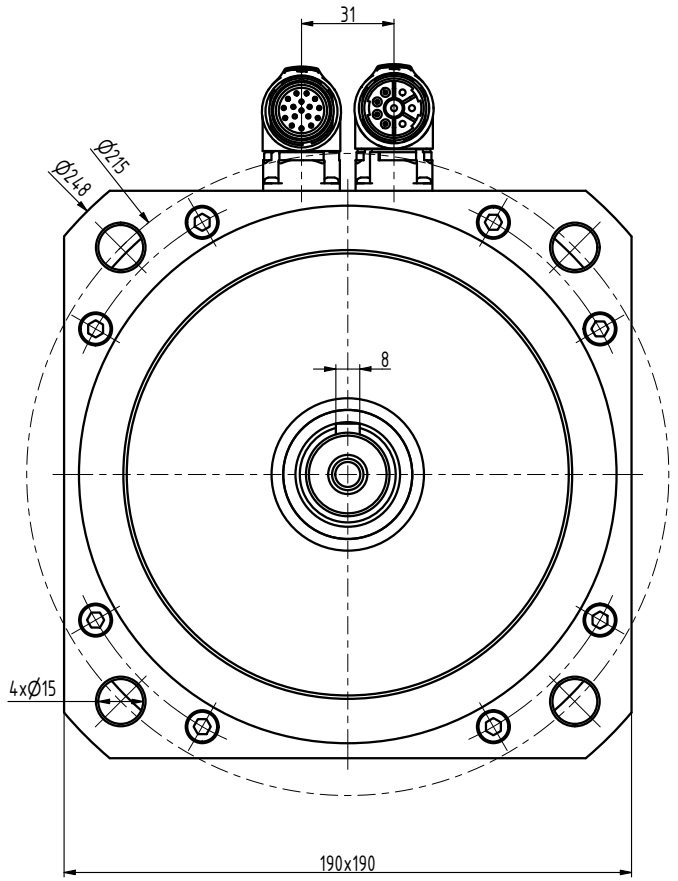
AGC113N00001215000
M23, 17 poles, rotary



Connector 1 (9)	
1	U
4	V
3	W
2	PE
A	Brake+
B	Brake-
C	
D	

Connector 2 (130)	
1/9	SIN/REFSIN
3/11	COS/REFCOS
5/13	DATA/DATA-
4/2	Us/GND
14/7	Therm





TYP	K
N7-3000	184
N7-4000	214
N7-5000	244
N7-6000	274

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. Šimík 26.1.2018					
TECHNOL.	SCHVÁLIL Ošlejšek	13.09.2012		STARÝ V.	Č.V.

NÁZEV
Motor N7

N7037 01 P Z

Listů List