Engineering data (WIN 1154)		
DC bus voltage	560	V DC
Nominal AC voltage	380	V AC (rms)
Rated voltage	269	V AC (rms)
Rated power	8.5	kW
Rated speed	2000	rpm
Rated torque	40.40	Nm
Rated current	21.82	A (rms)
Peak torque	150	Nm
Peak current	78.9	A (rms)
Stall torque	50	Nm
Stall current	22.7	A (rms)
No load speed	2850	rpm
EMF constant ±10%	133	V AC (rms) / 1000rpm
Theoretical torque constant ±10%	2.2	Nm / A (rms)
Torque constant ±10% @ rated load	1.9	Nm / A (rms)
Number of poles	10	
Electrical time constant	19.60	ms
Winding terminal resistance	0.25	Ω
Rotary field terminal inductance	4.9	mH

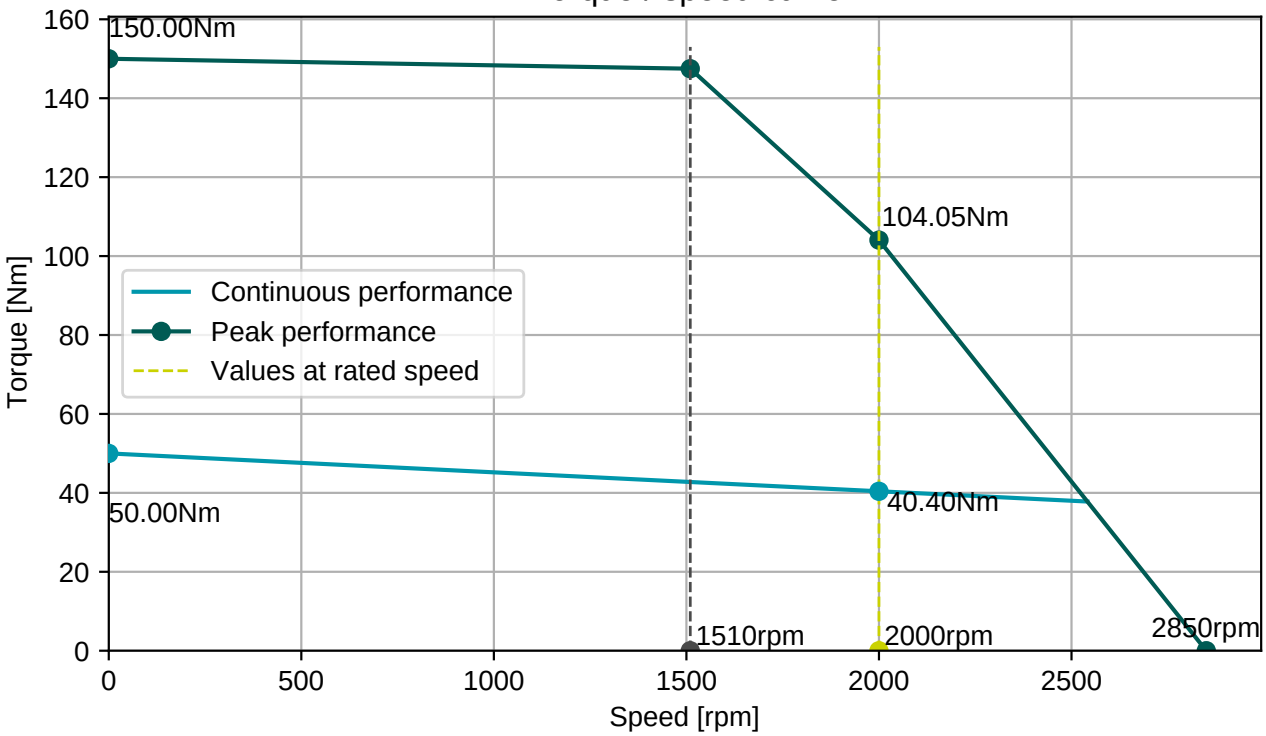
Customs info	
HS Code	85015230

Mechanical data (setting 16)		
Max mechanical speed	6000	rpm
Mech. time constant	0.79	ms
Thermal time constant	100	min
Rotor inertia	88	kgcm²
Protection	IP64	
Color	RAL 9005	
Cooling	Convection	
Motor-only mass	24	kg
Max. axial force 20kh	293	N
Max. radial force 20kh*	1541	N
Max. axial force 100kh	171	N
Max. radial force 100kh*	901	N

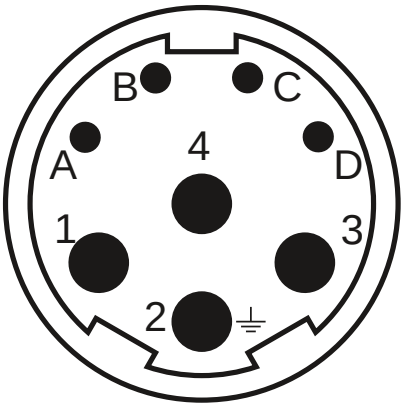
** Defined for point of action at ½ output shaft length*

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

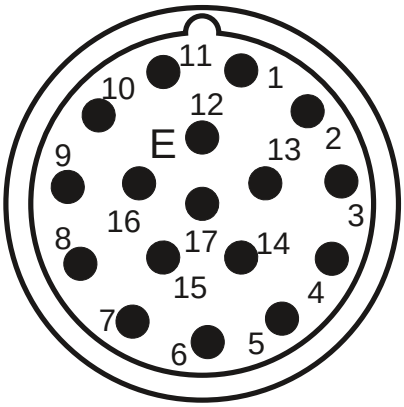
Torque / speed curve



BGC110N00001216000
M23, 8 poles, rotary

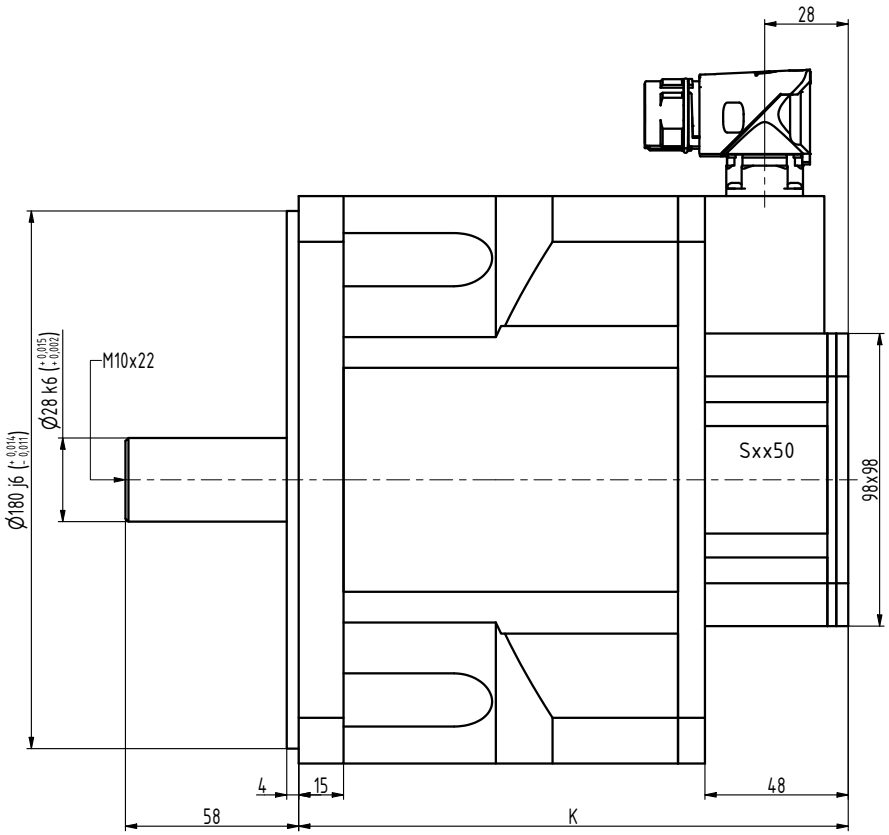


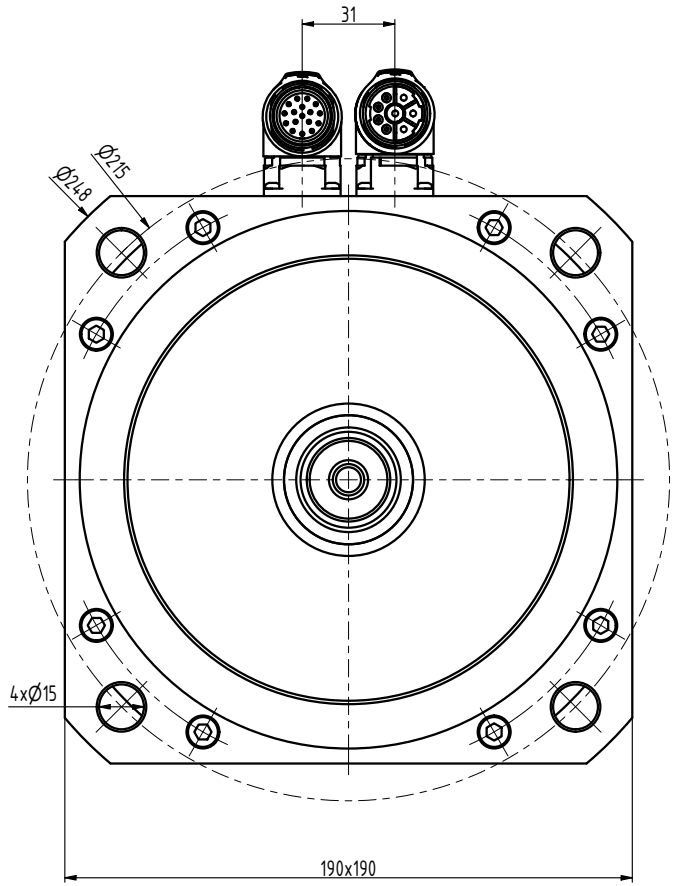
AGC113N00001215000
M23, 17 poles, rotary



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 Z

Listů List