Engineering data (WIN 1581)		
DC bus voltage	48	V DC
Nominal AC voltage	33	V AC (rms)
Rated voltage	29	V AC (rms)
Rated power	1.4	kW
Rated speed	1200	rpm
Rated torque	11.50	Nm
Rated current	37.09	A (rms)
Peak torque	36	Nm
Peak current	130.6	A (rms)
Stall torque	12	Nm
Stall current	35.4	A (rms)
No load speed	1600	rpm
EMF constant ±10%	20.5	V AC (rms) / 1000rpm
Theoretical torque constant ±10%	0.339	Nm / A (rms)
Torque constant ±10% @ rated load	0.310	Nm / A (rms)
Number of poles	10	
Electrical time constant	8.06	ms
Winding terminal resistance	0.067	Ω
Rotary field terminal inductance	0.54	mH

Customs info	
HS Code	85015220

Mechanical data (setting 5)		
Max mechanical speed	9000	rpm
Mech. time constant	0.80	ms
Thermal time constant	45	min
Rotor inertia	7.9	kgcm²
Protection	IP65	
Color	RAL 9005	
Cooling	Convection	
Max. axial force 20kh	176	N
Max. radial force 20kh*	924	N
Max. axial force 100kh	103	N
Max. radial force 100kh*	540	N

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

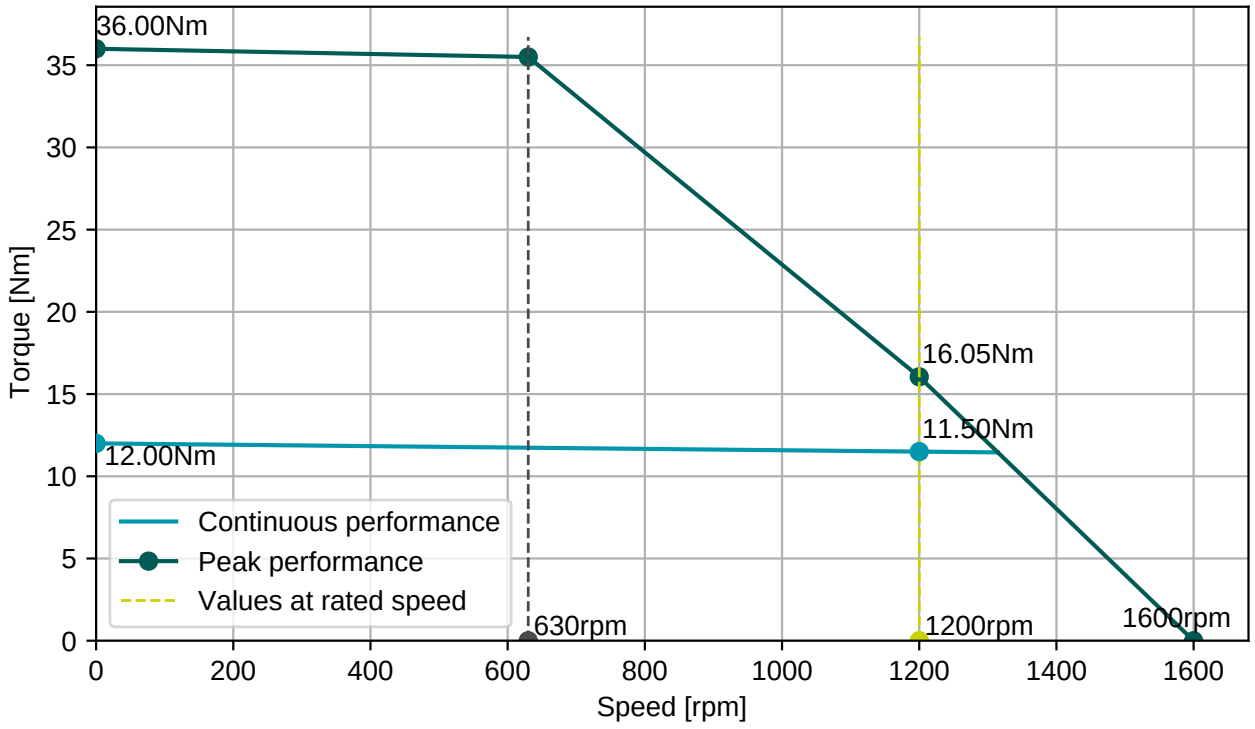
Sensors	
Temperature	PT1000 {PT1000}
Feedback	2-pole resolver (ER5Kd411, TS2620N21E11, RE-15-1-A15)

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

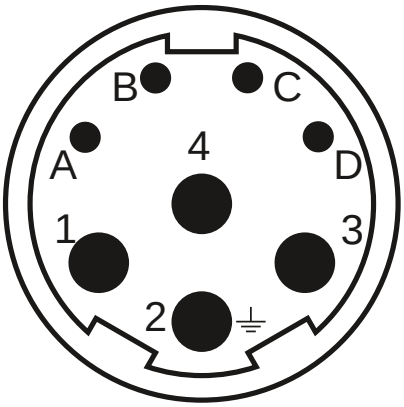
Note

The winding of the motor has rated current 37.09 A. Power connector is rated only for 30 A. The motor can be operated only with continuous current limited to 30 A in servoamplifier. Otherwise the power connector could be burned.

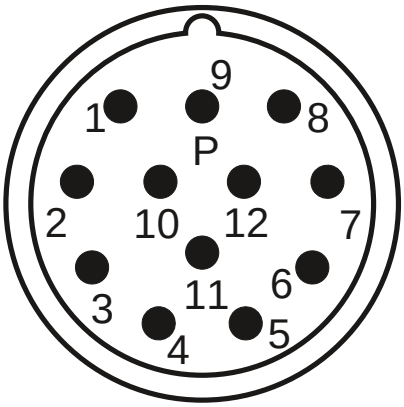
Torque / speed curve



BGC110N00001216000
M23, 8 poles, rotary

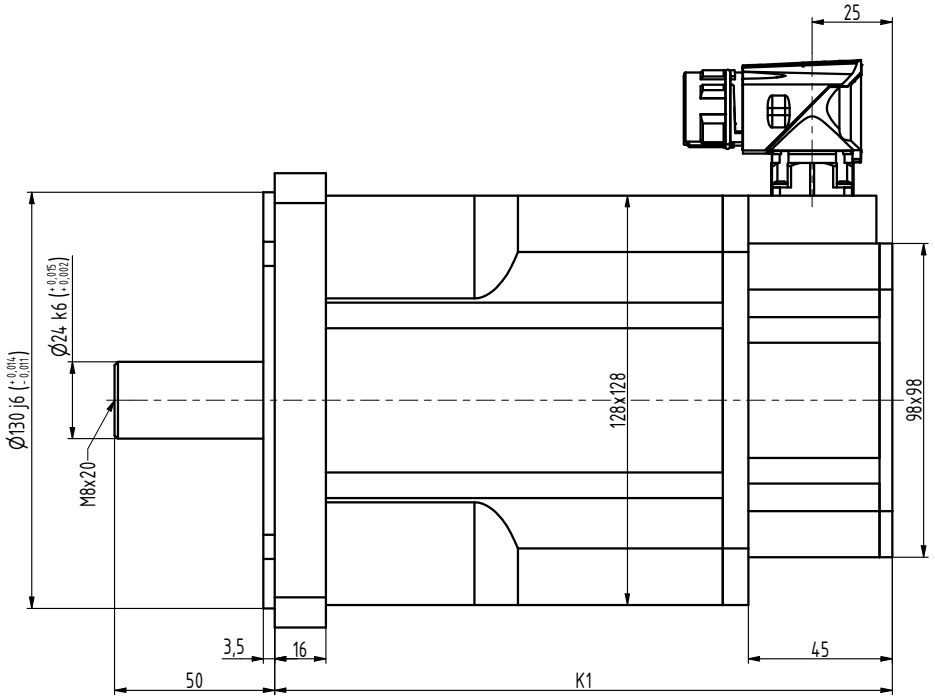


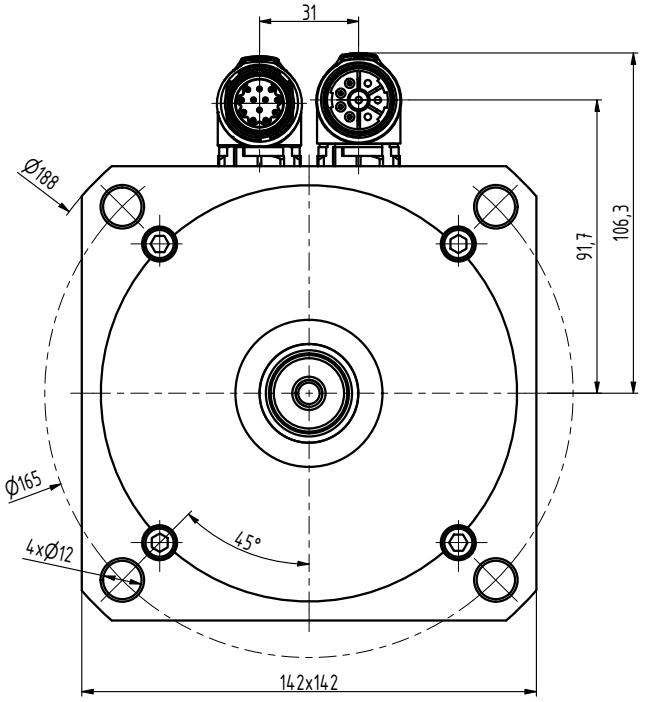
AGC052N00001215000
M23, 12 poles, rotary



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

Connector 2 (10)	
2	Therm+
3	S4
4	S3
5	R2
6	Therm-
7	S2
8	S1
9	R1





TYP	K1
N5-0650	163
N5-1200	193
N5-1600	223
N5-2000	253
N5-2400	283

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	08.09.2021	STARÝ V.	Č.V.

NÁZEV
Motor N5

N5075 01 B Z_S4_S1

Listů List