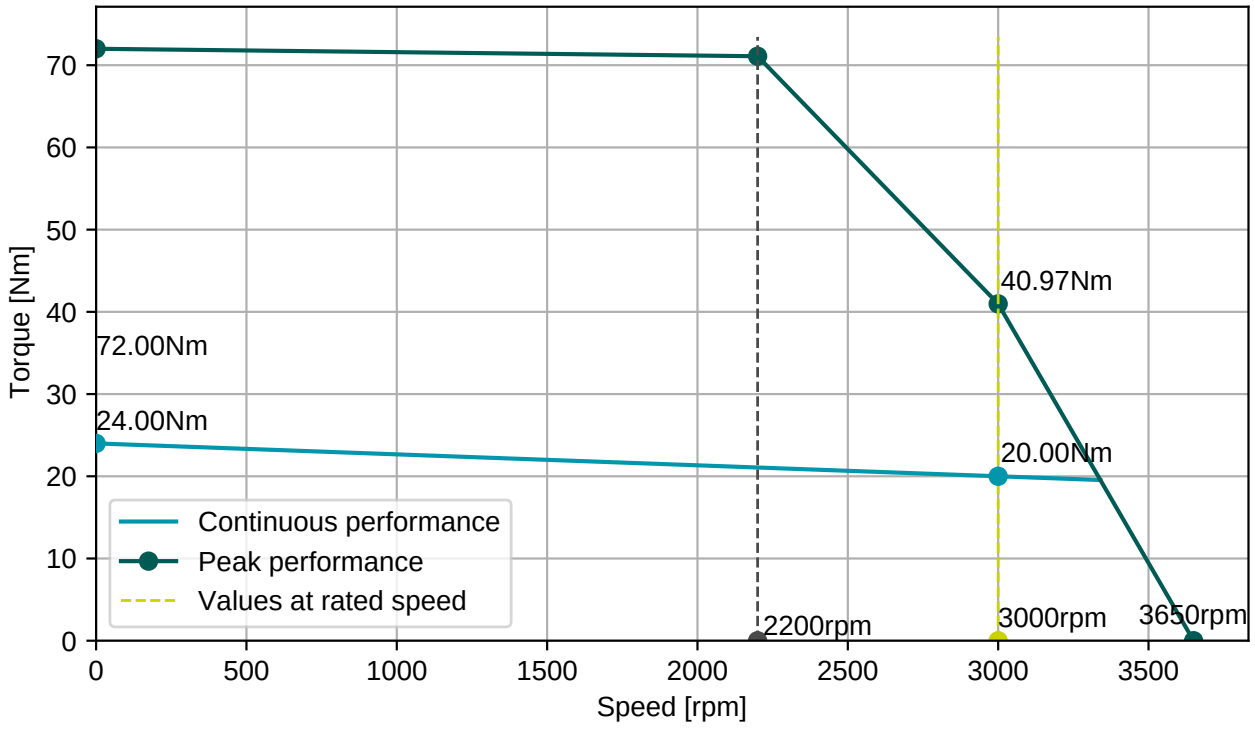
Engineering data (WIN 863)		
DC bus voltage	560	V DC
Nominal AC voltage	380	V AC (rms)
Rated voltage	296	V AC (rms)
Rated power	6.3	kW
Rated speed	3000	rpm
Rated torque	20.00	Nm
Rated current	14.35	A (rms)
Peak torque	72	Nm
Peak current	47.9	A (rms)
Stall torque	24	Nm
Stall current	14	A (rms)
No load speed	3650	rpm
EMF constant ±10%	104	V AC (rms) / 1000rpm
Theoretical torque constant ±10%	1.72	Nm / A (rms)
Torque constant ±10% @ rated load	1.39	Nm / A (rms)
Number of poles	10	
Electrical time constant	8.93	ms
Winding terminal resistance	0.56	Ω
Rotary field terminal inductance	5	mH

Customs info	
HS Code	85015220

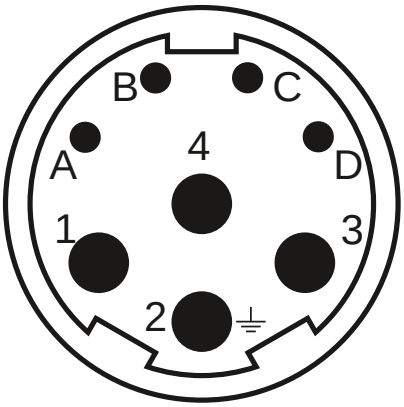
Mechanical data (setting 5)		
Max mechanical speed	9000	rpm
Mech. time constant	0.61	ms
Thermal time constant	75	min
Rotor inertia	18.7	kgcm²
Protection	IP64	
Color	RAL 9005	
Cooling	Convection	

Sensors	
Temperature	KTY 84-130 {KTY 84-130 Reissmann}
Feedback	2-pole resolver (ER5Kd411, TS2620N21E11, RE-15-1-A15)

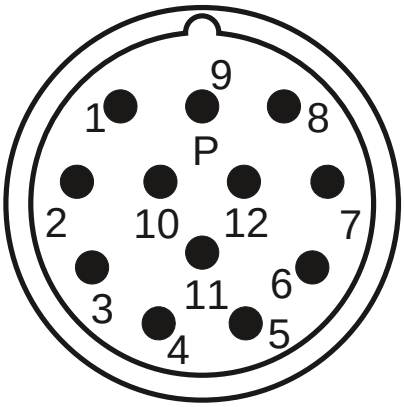
Torque / speed curve



BGC110N00001216000
M23, 8 poles, rotary

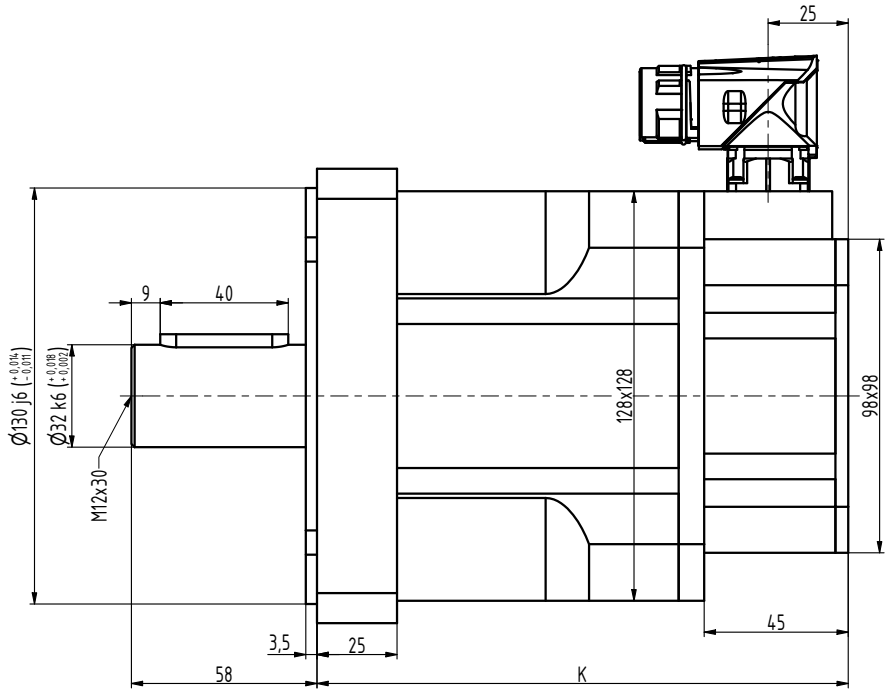


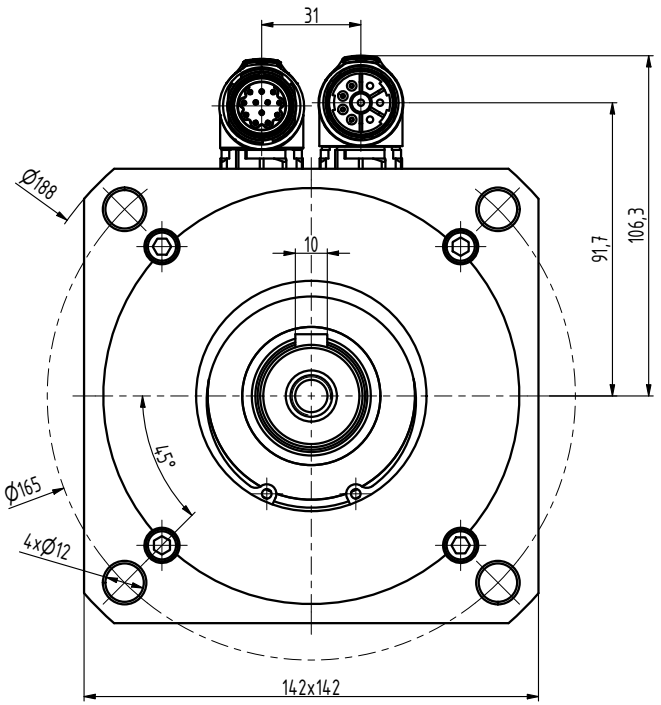
AGC052N00001215000
M23, 12 poles, rotary



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	K
N5-1200	166
N5-1600	196
N5-2000	226
N5-2400	256

				MATERIAL		
				PROJECTION		
					NAME	DATE
				DRAW	Ošlejšek	08.09.2026
				APPROVED	Ošlejšek	08.09.2026
				NON-TOLERANCED DIMENSIONS ISO 2768-mK	REDRAWN	
IND	CHANGE	DATE	NAME			
Motor N5		N5075 20 P Z_S4_S1			REVISION	SHEET 1/1