Engineering data (WIN 1474)		
DC bus voltage	560	V DC
Nominal AC voltage	380	V AC (rms)
Rated voltage	311	V AC (rms)
Rated power	8.0	kW
Rated speed	4500	rpm
Rated torque	17.00	Nm
Rated current	17.63	A (rms)
Peak torque	120	Nm
Peak current	119.1	A (rms)
Stall torque	40	Nm
Stall current	33.6	A (rms)
No load speed	5270	rpm
EMF constant ±10%	72	V AC (rms) / 1000rpm
Theoretical torque constant ±10%	1.191	Nm / A (rms)
Torque constant ±10% @ rated load	0.964	Nm / A (rms)
Number of poles	10	
Electrical time constant	18.22	ms
Winding terminal resistance	0.107	Ω
Rotary field terminal inductance	1.95	mH

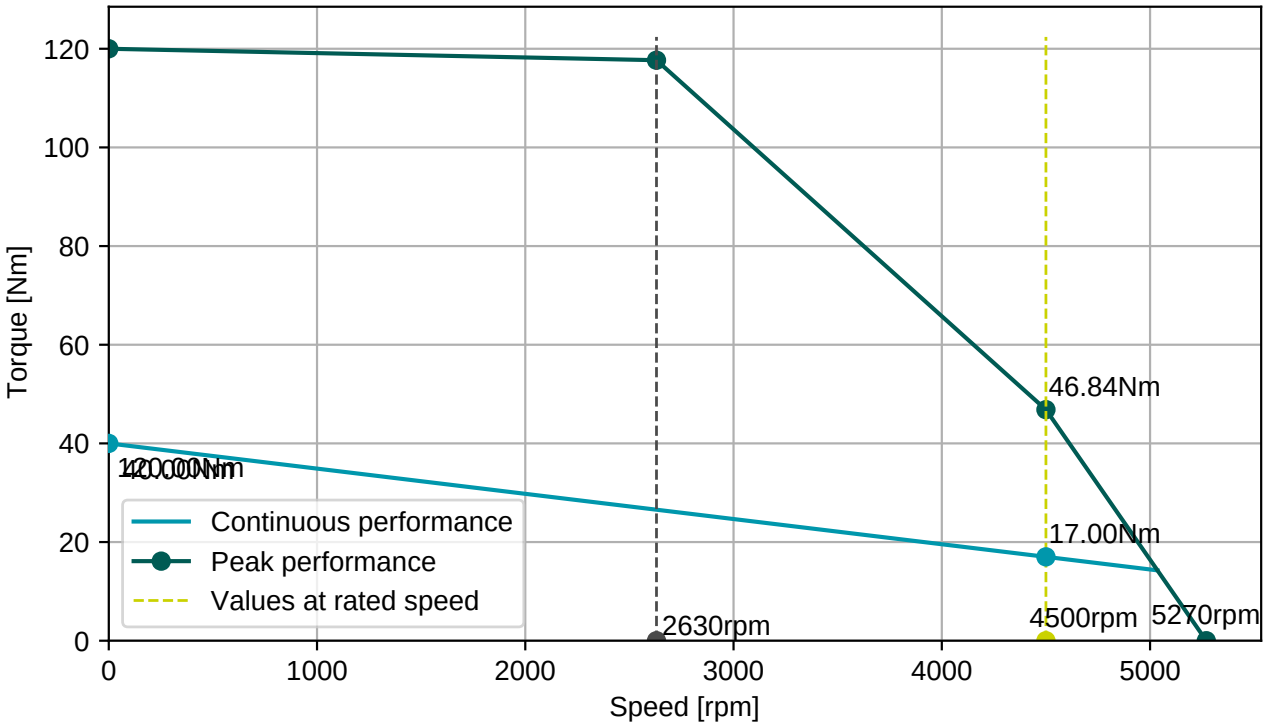
Customs info	
HS Code	85015230

Mechanical data (setting 29)		
Max mechanical speed	6000	rpm
Mech. time constant	0.90	ms
Thermal time constant	90	min
Rotor inertia	69	kgcm²
Protection	IP64	
Color	RAL 9005	
Cooling	Convection	
Max. axial force 20kh	214	N
Max. radial force 20kh*	1128	N
Max. axial force 100kh	125	N
Max. radial force 100kh*	660	N

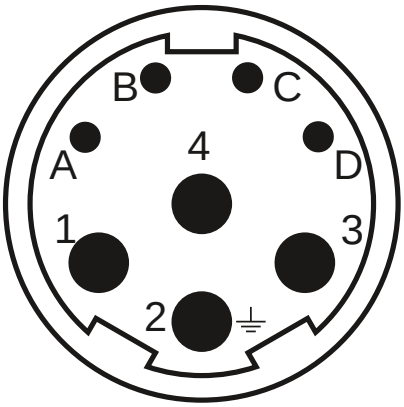
** Defined for point of action at ½ output shaft length*

Sensors	
Temperature	PT1000 {PT1000}
Feedback	ECN1325 (EnDat 2.2) single-turn, 25 bits

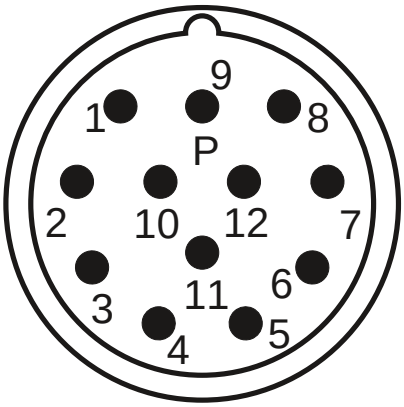
Torque / speed curve



BGC110N00001216000
M23, 8 poles, rotary

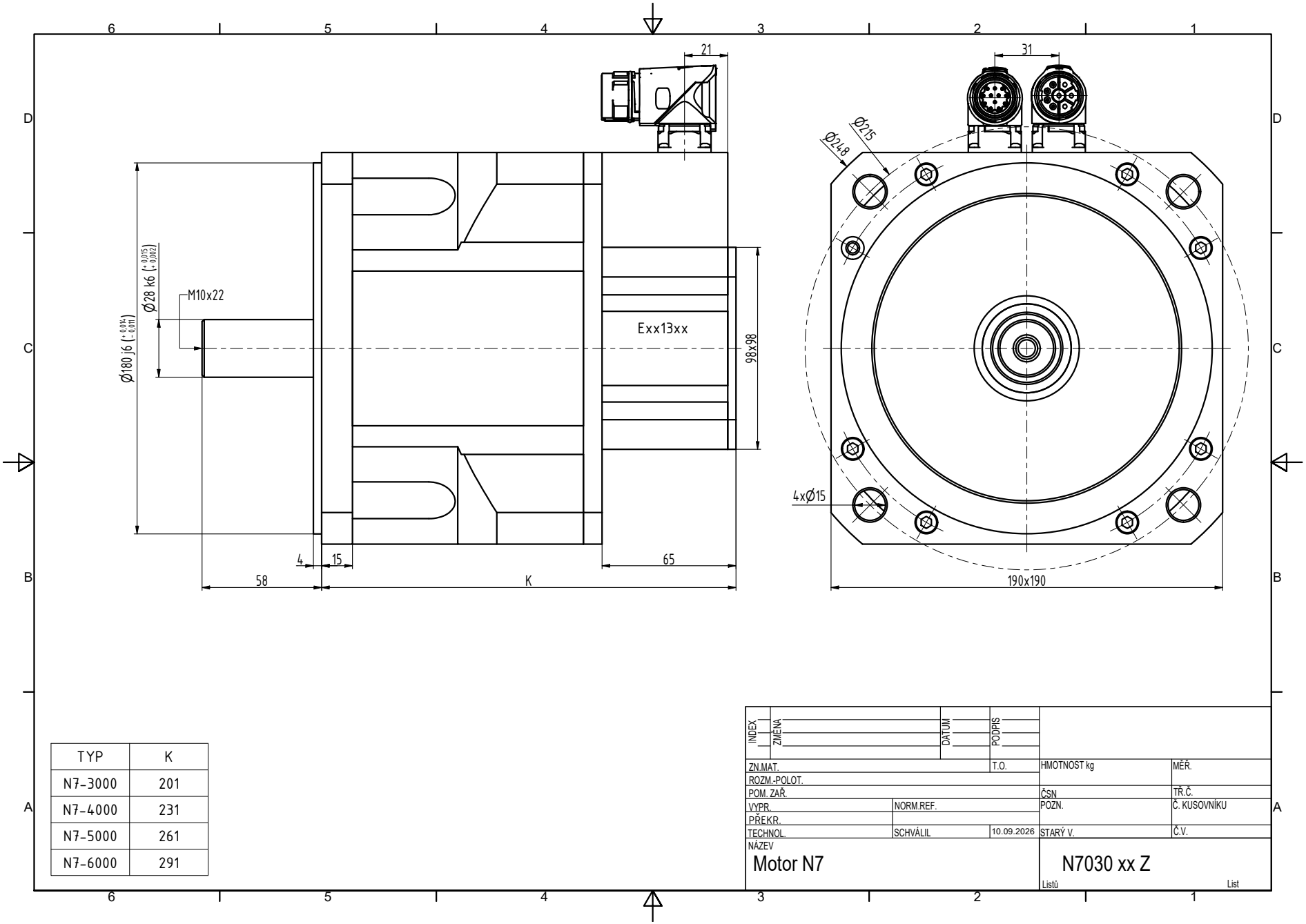


AGC113N00001215000
M23, 17 poles, rotary



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

Connector 2 (293)	
1	Vcc (+5V)
2	GND
3	DATA
4	DATA-
5	CLOCK
6	CLOCK-
7	Therm+
8	Therm-
9	Vcc sensor
10	GND sensor



TYP	K
N7-3000	201
N7-4000	231
N7-5000	261
N7-6000	291

INDEX	ZMĚNA	DATUM	PODPIS		
ZN.MAT.			T.O.	HMOTNOST kg	MĚŘ.
ROZM.-POLOT.					
POM. ZAŘ.				ČSN	TŘ.Č.
VYPR.		NORM.REF.		POZN.	Č. KUSOVNÍKU
PŘEKR.					
TECHNOL.		SCHVÁLIL	10.09.2026	STARÝ V.	Č.V.

NÁZEV
Motor N7

N7030 xx Z

Listů List