Engineering data (WIN -100106)		
DC bus voltage	560	V DC
Nominal AC voltage	380	V AC (rms)
Rated voltage	280	V AC (rms)
Rated power	5.6	kW
Rated speed	3500	rpm
Rated torque	15.20	Nm
Rated current	13.64	A (rms)
Peak torque	180	Nm
Peak current	143.25	A (rms)
Stall torque	60	Nm
Stall current	42.18	A (rms)
No load speed	4420	rpm
EMF constant ±10%	86	V AC (rms) / 1000rpm
Theoretical torque constant ±10%	1.42	Nm / A (rms)
Torque constant ±10% @ rated load	1.11	Nm / A (rms)
Number of poles	10	
Electrical time constant	20.29	ms
Winding terminal resistance	0.069	Ω
Rotary field terminal inductance	1.4	mH

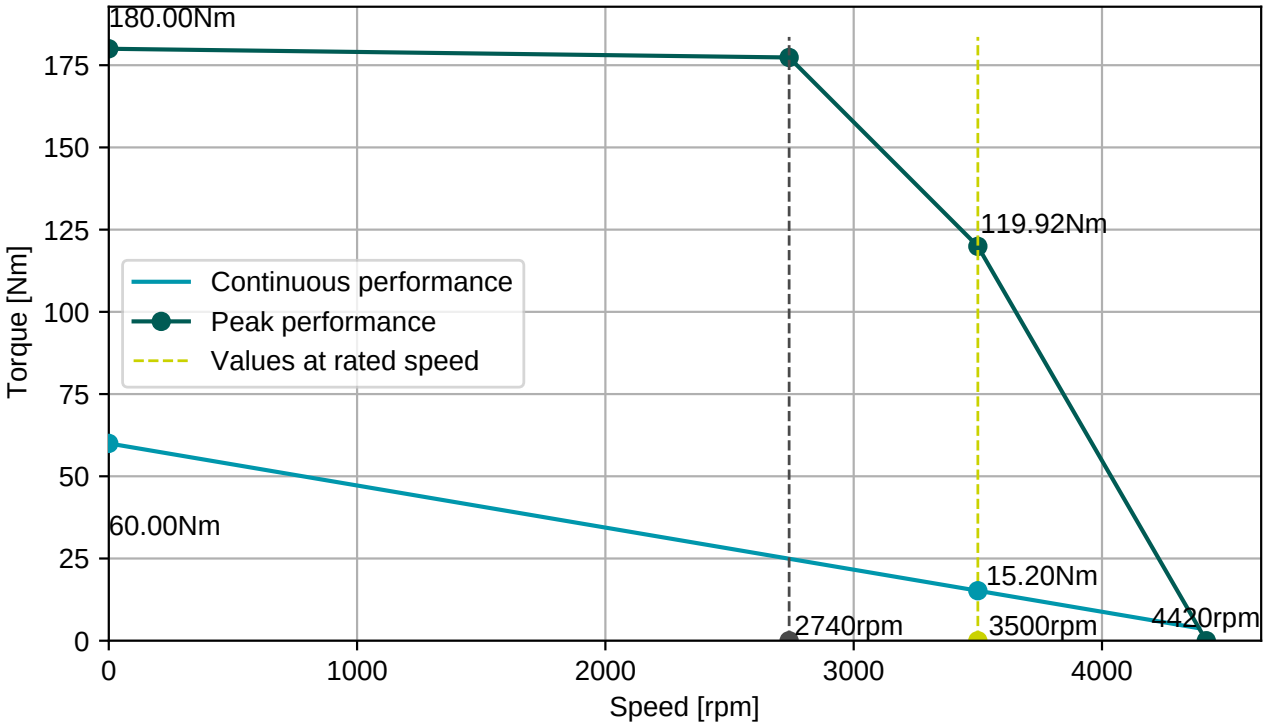
Customs info	
HS Code	85015220

Mechanical data (setting 5)		
Max mechanical speed	6000	rpm
Mech. time constant	0.63	ms
Thermal time constant	108	min
Rotor inertia	107	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

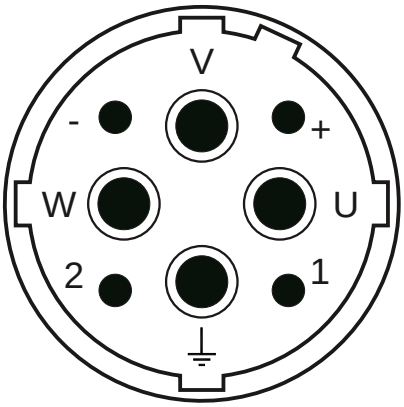
** Defined for point of action at ½ output shaft length*

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

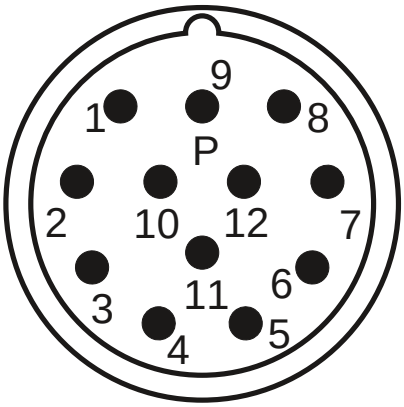
Torque / speed curve



CEA271N00000051000
M40, 8 poles, rotary base

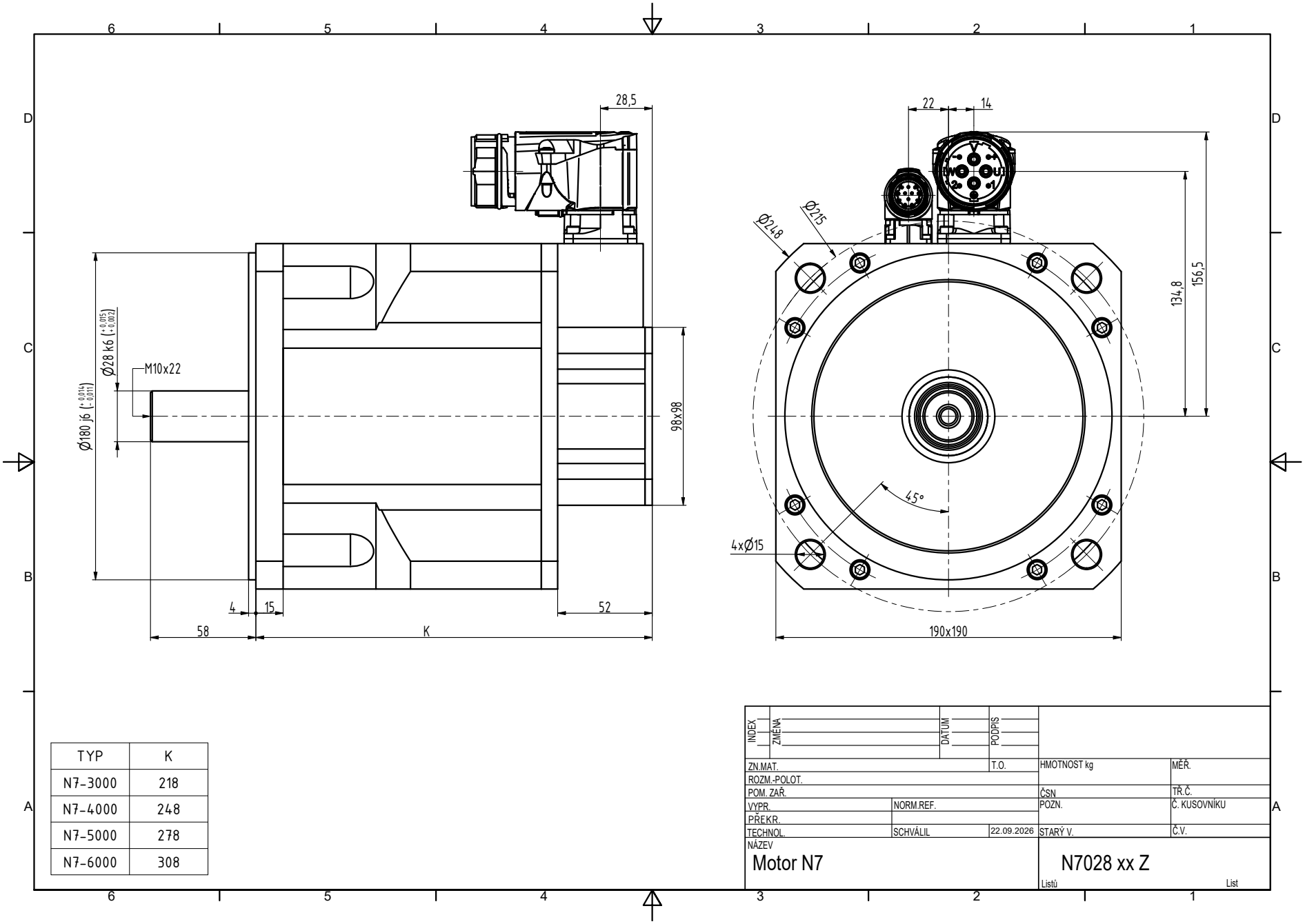


AGC052N00001215000
M23, 12 poles, rotary



Connector 1 (84)	
U	U
V	V
W	W
PE	PE
+	Brake+
-	Brake-

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



TYP	K
N7-3000	218
N7-4000	248
N7-5000	278
N7-6000	308

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	22.09.2026	STARÝ V.	Č.V.	

NÁZEV

Motor N7

N7028 xx Z

Listů List