Engineering data (WIN -100105)		
DC bus voltage	560	V DC
Nominal AC voltage	380	V AC (rms)
Rated voltage	242	V AC (rms)
Rated power	8.4	kW
Rated speed	4000	rpm
Rated torque	20.00	Nm
Rated current	23.43	A (rms)
Peak torque	114	Nm
Peak current	143.25	A (rms)
Stall torque	38	Nm
Stall current	37.06	A (rms)
No load speed	6120	rpm
EMF constant ±10%	62	V AC (rms) / 1000rpm
Theoretical torque constant ±10%	1.03	Nm / A (rms)
Torque constant ±10% @ rated load	0.85	Nm / A (rms)
Number of poles	10	
Electrical time constant	13.36	ms
Winding terminal resistance	0.11	Ω
Rotary field terminal inductance	1.47	mH

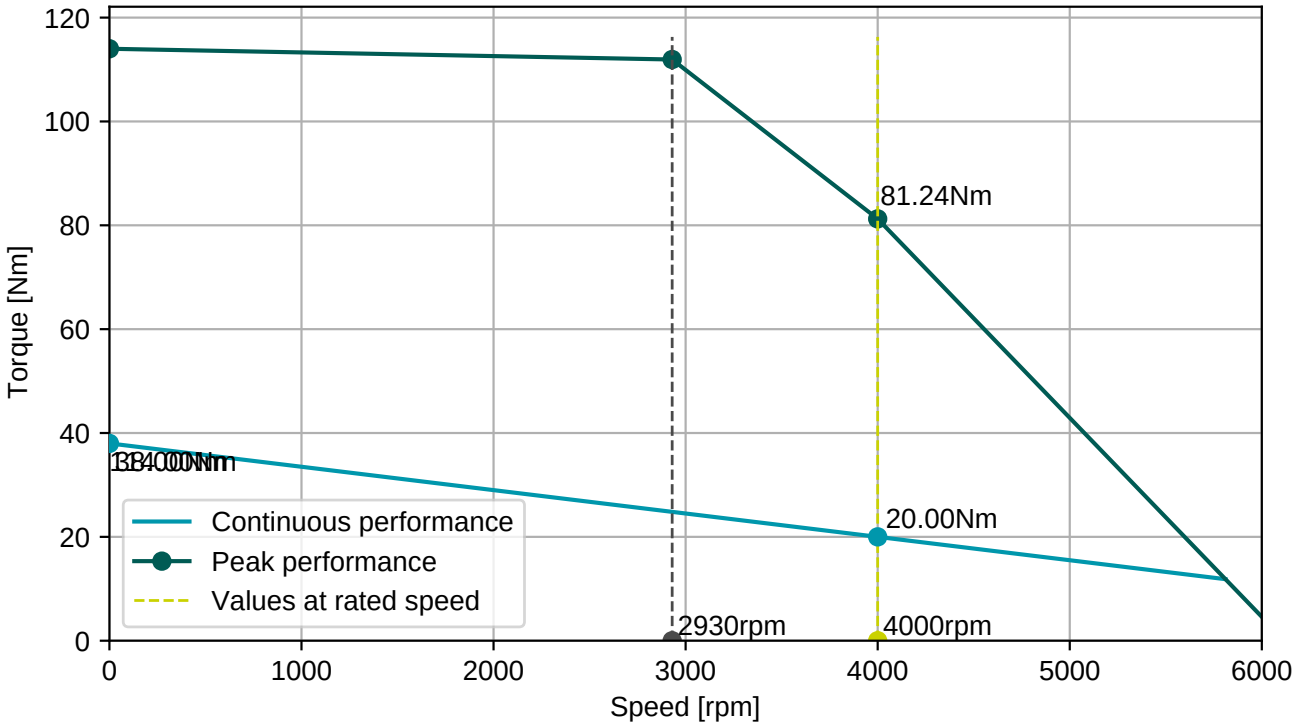
Customs info	
HS Code	85015230

Mechanical data (setting 29)		
Max mechanical speed	6000	rpm
Mech. time constant	0.72	ms
Thermal time constant	57	min
Rotor inertia	39.9	kgcm²
Protection	IP64	
Color	RAL 9005	
Cooling	Convection	
Max. axial force 20kh	141	N
Max. radial force 20kh*	741	N
Max. axial force 100kh	82	N
Max. radial force 100kh*	434	N

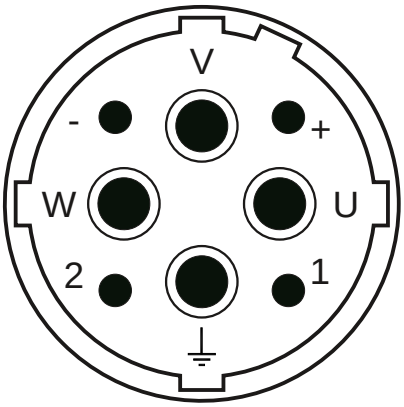
** Defined for point of action at ½ output shaft length*

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

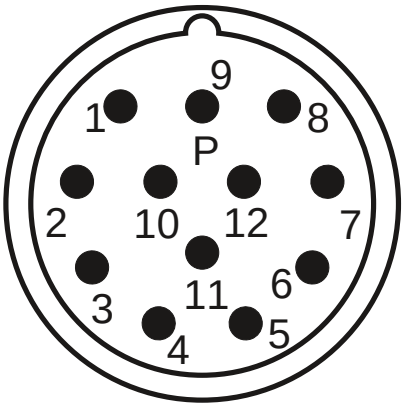
Torque / speed curve



CEA271N00000051000
M40, 8 poles, rotary base

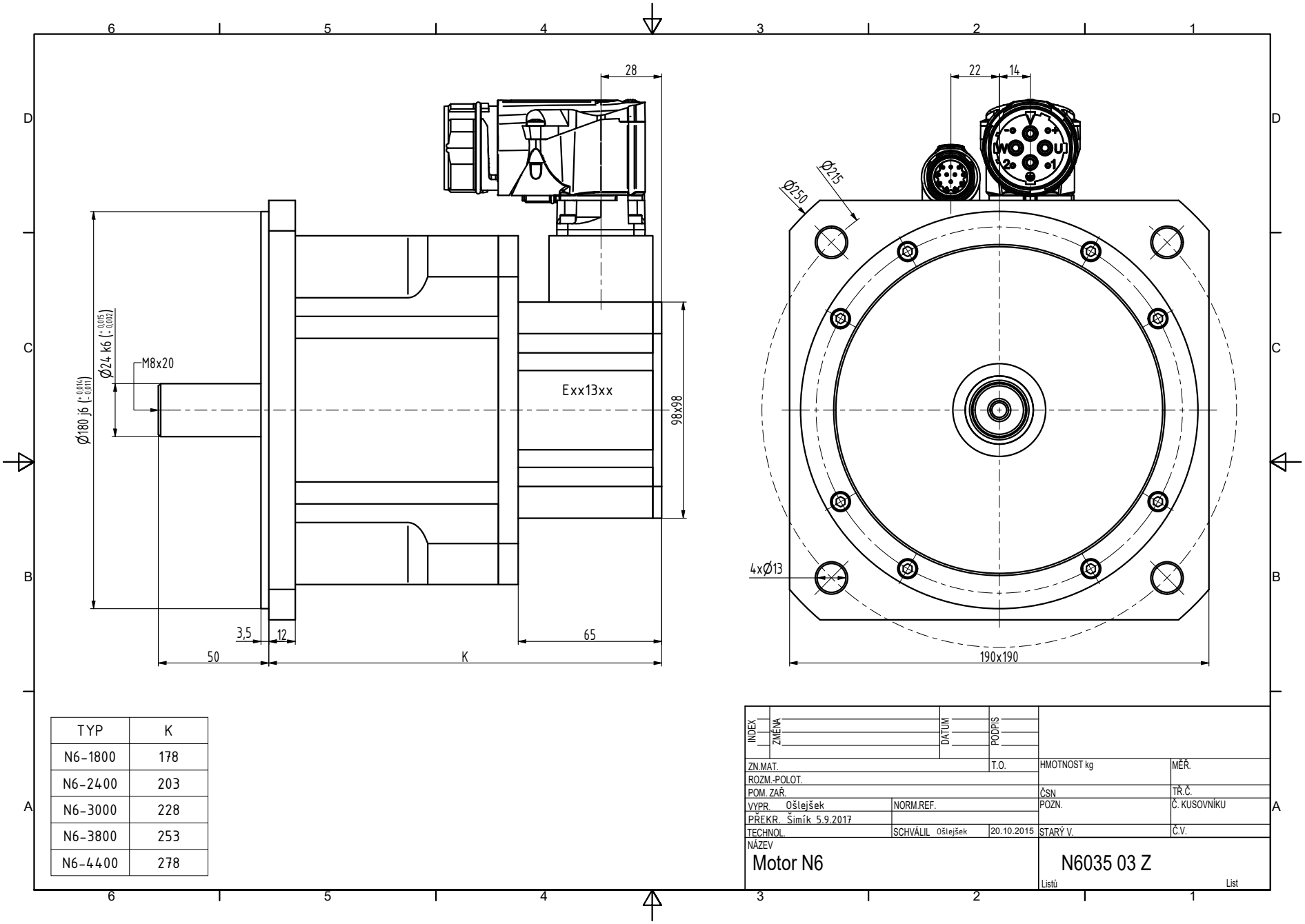


AGC052N00001215000
M23, 12 poles, rotary



Connector 1 (151)	
U	U
V	V
W	W
PE	PE
+	Brake+
-	Brake-
1	Therm+
2	Therm-

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
N6-1800	178
N6-2400	203
N6-3000	228
N6-3800	253
N6-4400	278

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 5.9.2017				
TECHNOL.	SCHVÁLIL Ošlejšek	20.10.2015	STARÝ V.	Č.V.

NÁZEV
Motor N6

N6035 03 Z

Listů List