

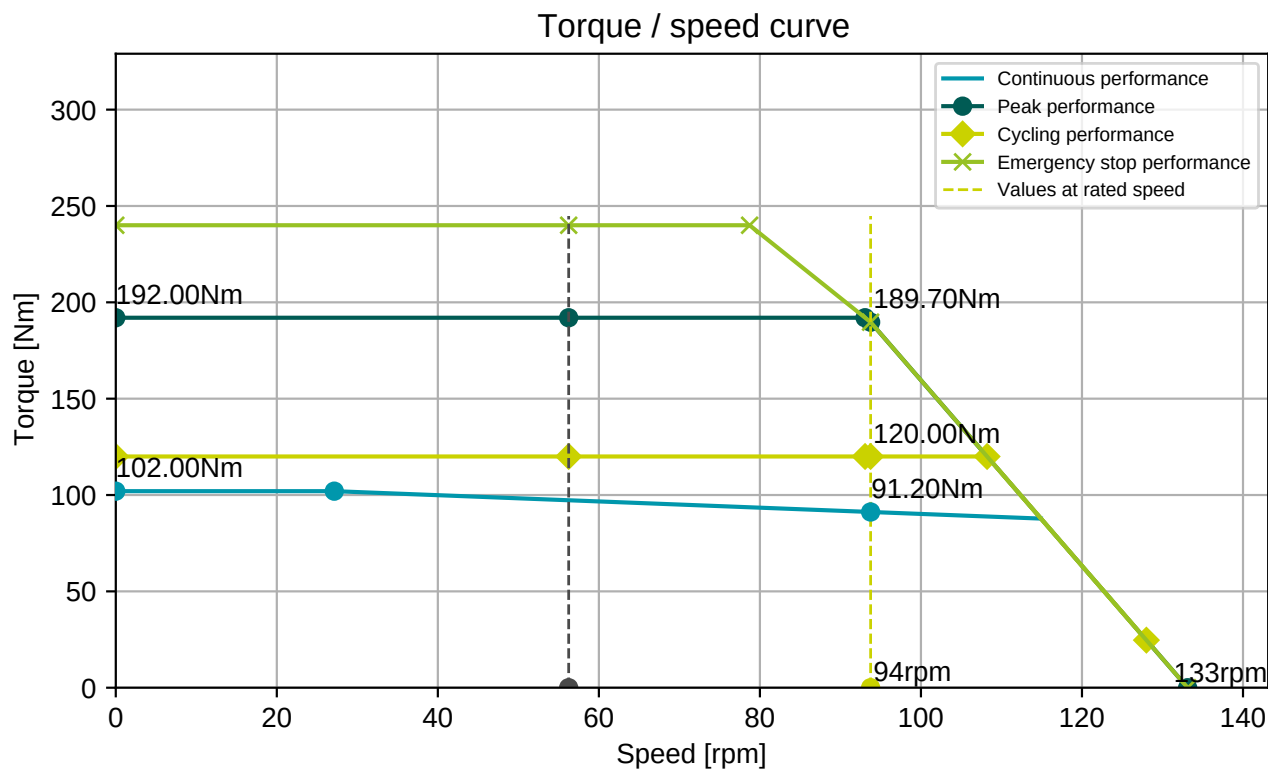
Engineering motordata (WIN 707)		Mechanical motor data (setting 48)							
DC bus voltage	560 V DC	Max mechanical speed	12000 rpm						
Nominal AC voltage	380 V AC (rms)	Mech. time constant	0.74 ms						
Rated voltage	278 V AC (rms)	Thermal time constant	27 min						
Rated power	942 W	Rotor inertia	1.04 kgcm²						
Rated speed	3000 rpm	Protection	IP64						
Rated torque	3.00 Nm	Color	RAL 9005						
Rated current	2.42 A (rms)	Cooling	Convection						
Peak torque	10.5 Nm	Motor-only mass	2 kg						
Peak current	10.9 A (rms)	Max. axial force 20kh	68 N						
Stall torque	3.5 Nm	Max. radial force 20kh	356 N*						
Stall current	2.38 A (rms)	Max. axial force 100kh	40 N						
No load speed	4260 rpm	Max. radial force 100kh	208 N*						
EMF constant ±10%	89 V AC (rms) / 1000rpm	* Defined for point of action at ½ output shaft length							
Theoretical torque constant ±10%	1.47 Nm / A (rms)								
Torque constant ±10% @ rated load	1.24 Nm / A (rms)	<table><tr><th colspan="2">Sensors</th></tr><tr><td>Temperature</td><td>PT1000 {PT1000}</td></tr><tr><td>Feedback</td><td>EKS36 (HDSL) single-turn, 17 bits</td></tr></table>		Sensors		Temperature	PT1000 {PT1000}	Feedback	EKS36 (HDSL) single-turn, 17 bits
Sensors									
Temperature	PT1000 {PT1000}								
Feedback	EKS36 (HDSL) single-turn, 17 bits								
Number of poles	10								
Electrical time constant	2.87 ms								
Winding terminal resistance	8.89 Ω								
Rotary field terminal inductance	25.5 mH								

Customs info	
HS Code	85015220

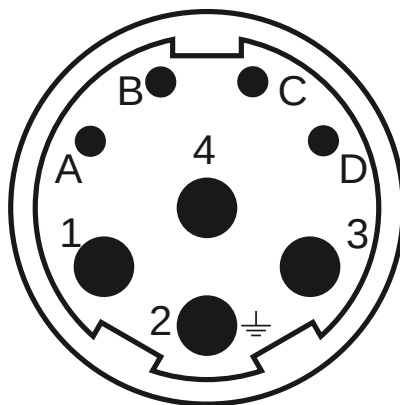
Gearbox engineering data		Gearbox mechanical data	
Gear ratio	32	Radial force for 20'000h	750 N*
Efficiency	95 %*	Radial force for 30'000h	650 N*
Torsional stiffness	10.4 Nm/arcmin	Max. radial force	1250 N*
Number of stages	2	Axial force for 20'000h	1000 N
Rated output torque	102 Nm	Axial force for 30'000h	900 N
Cycling output torque	120 Nm	Max. axial force	1600 N
Max output torque	192 Nm	Tilting moment for 20'000h	31 Nm
Emergency output torque	240 Nm	Tilting moment for 30'000h	27 Nm
Rated input speed	4000 rpm	Max. bending moment	16 Nm
Max input speed	7000 rpm	Output shaft design	Shaft key
Operating temperature	<-25; 90> °C	Mass	2.63 kg
Max. backlash	< 9 arcmin	Input inertia	0.366 kgcm ²
Service life	20000 h	Protection	IP54
* at rated speed & torque		* Defined for point of action at ½ output shaft length	

Lubrication	
Type	Standard
Lubricant	Grease (lifetime lubrication)

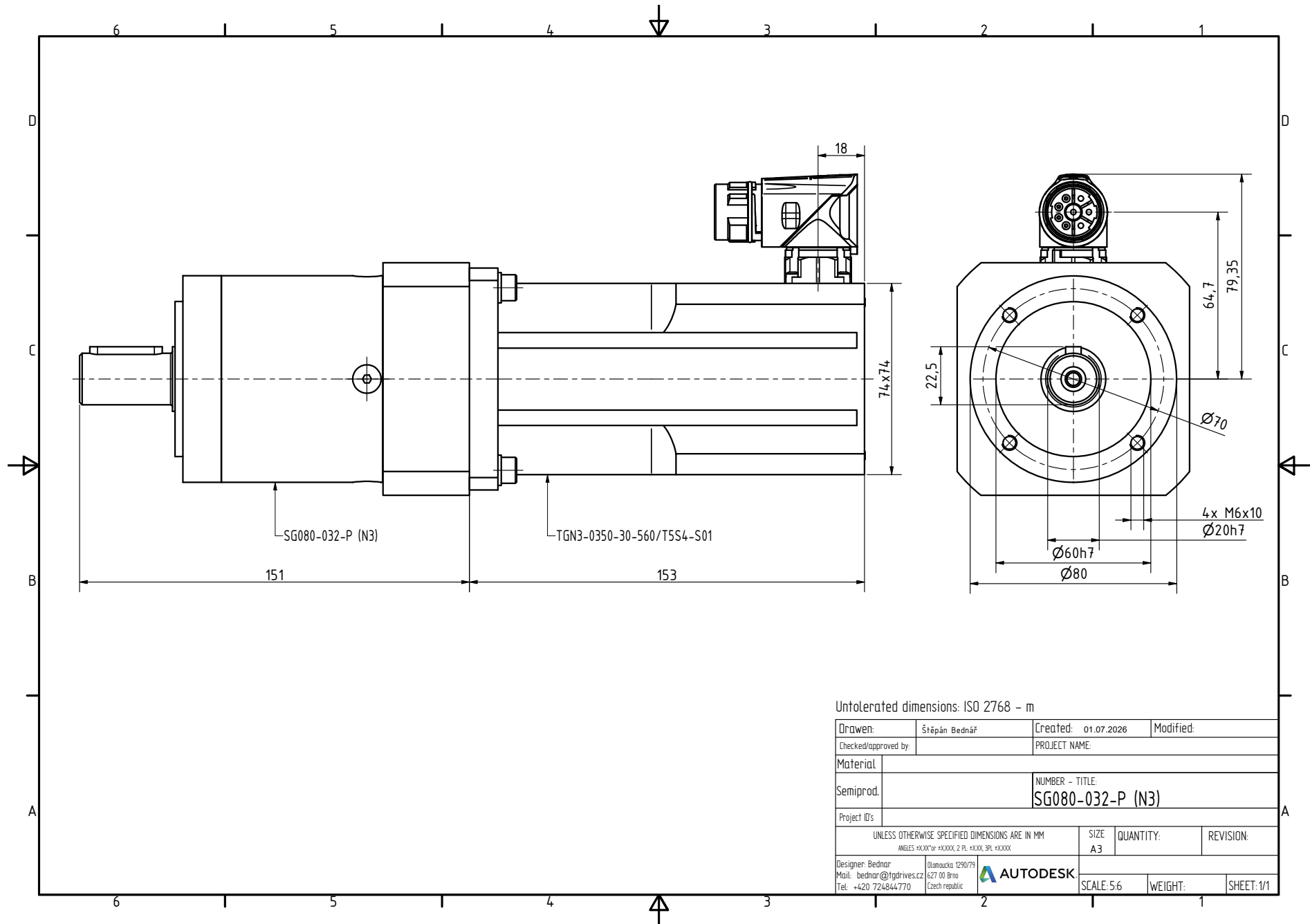
Actuator data	
Rated speed	94 rpm
Rated torque	91.20 Nm
Cycling torque	120.00 Nm
Peak torque	192.00 Nm
Emergency stop torque	240.00 Nm
EMF constant ±10%	2848.0 V AC (rms) / 1000rpm
Torque constant ±10% @ rated load	37.69 Nm / A (rms)
Total mass	4.63 kg
Output inertia	1439.7 kgcm ²

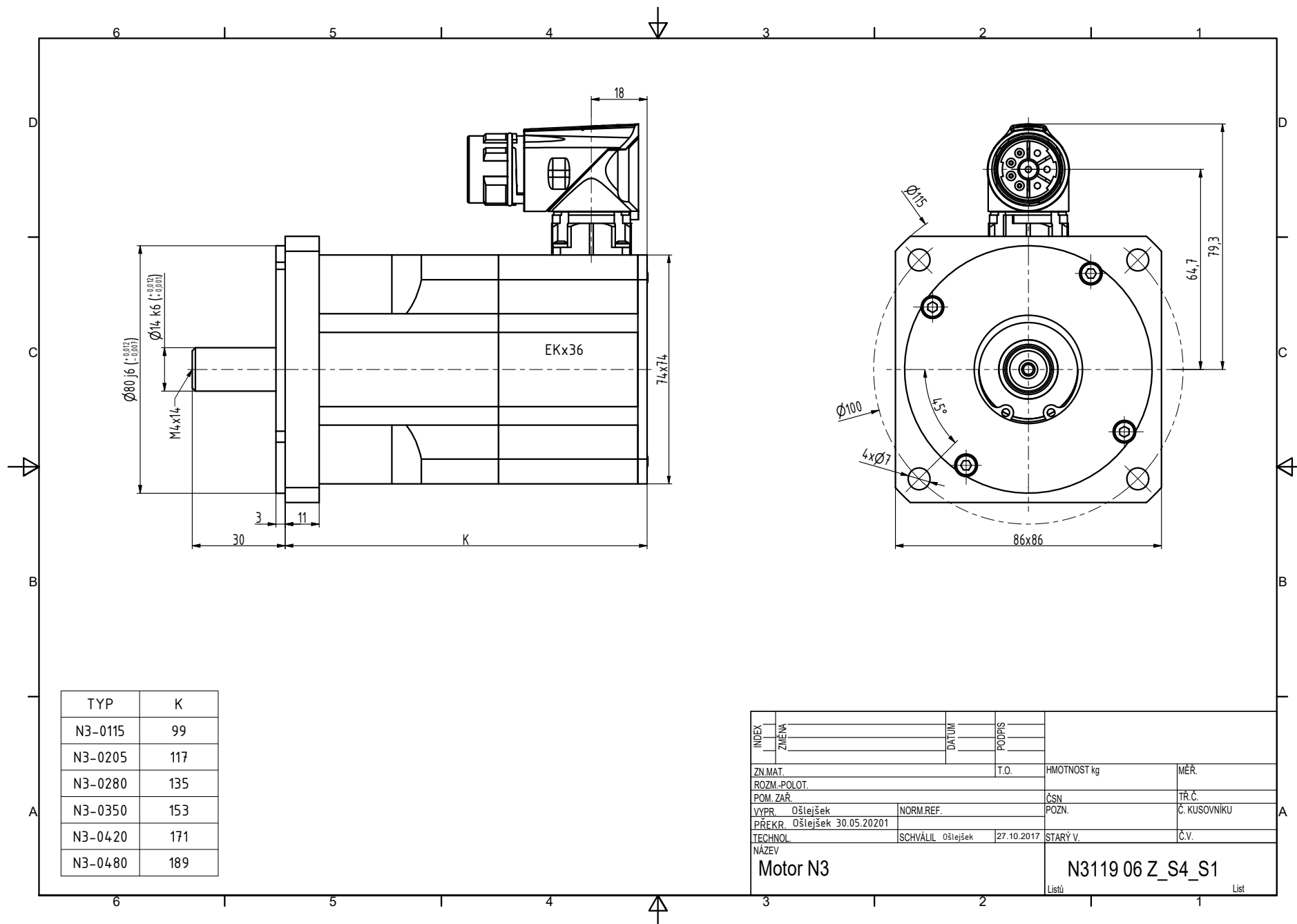

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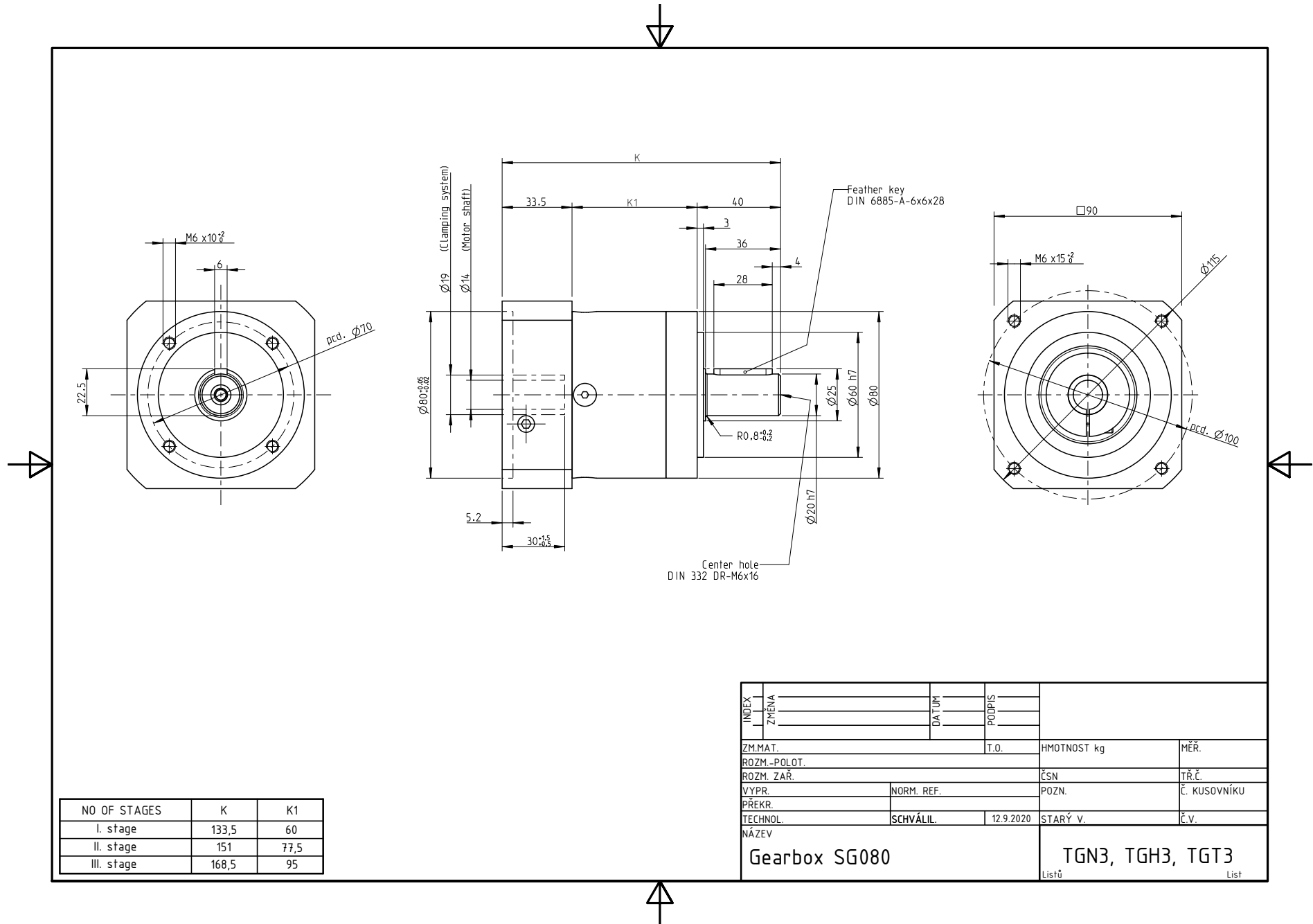
M23, 8 poles, rotary


Connector 1 (283)

1	U
4	V
3	W
2	PE
A	Brake+
B	Brake-
C	GND/DSL-
D	+Us/DSL+







NO OF STAGES	K	K1
I. stage	133,5	60
II. stage	151	77,5
III. stage	168,5	95

INDEX	ZMĚNA	DATUM	PODPIS		
ZM.MAT.			T.O.	HMOTNOST kg	MĚŘ.
ROZM.-POLOT.					
ROZM. ZAŘ.				ČSN	TR.Č.
VYPR.		NORM. REF.		POZN.	Č. KUSOVNÍKU
PŘEKR.					
TECHNOL.		SCHVÁLIL.	12.9.2020	STARÝ V.	Č.V.
NÁZEV				TGN3, TGH3, TGT3	
Gearbox SG080				Listů	List