

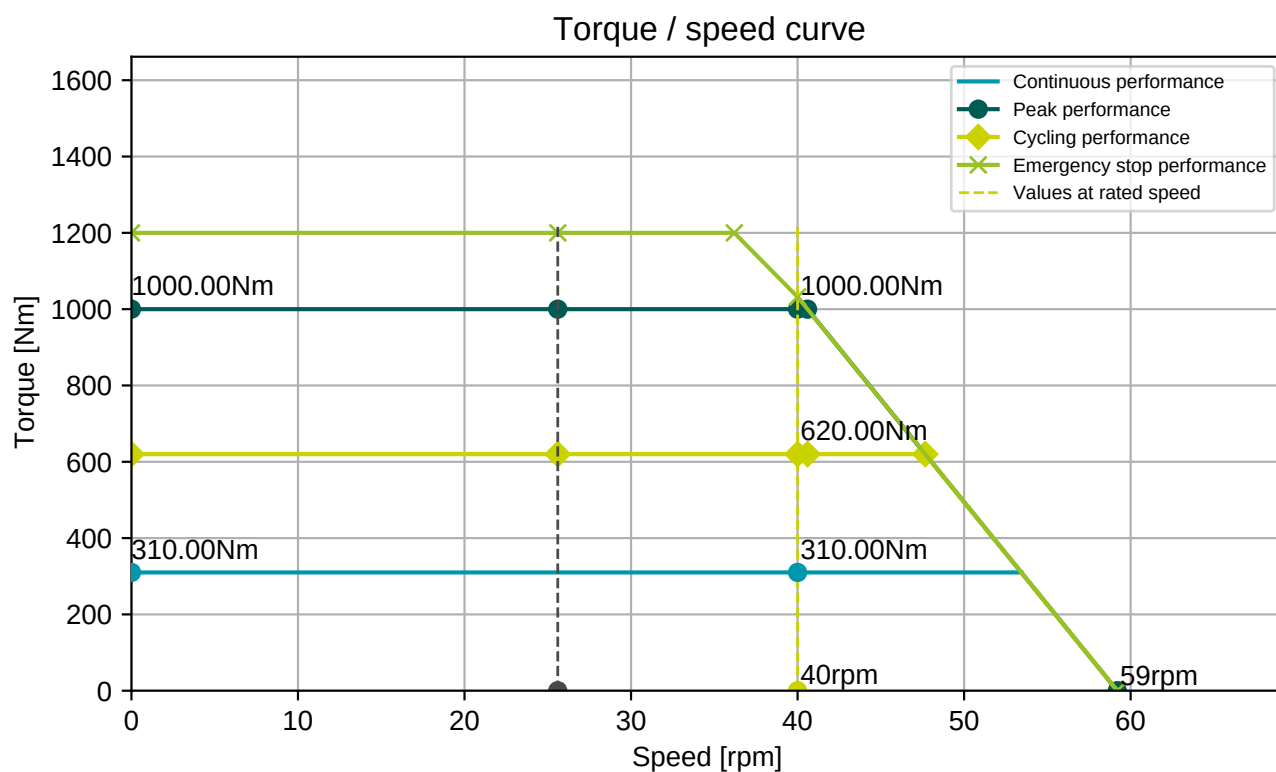
Engineering motordata (WIN 771)		Mechanical motor data (setting 48)	
DC bus voltage	560 V DC	Max mechanical speed	9000 rpm
Nominal AC voltage	380 V AC (rms)	Mech. time constant	0.81 ms
Rated voltage	289 V AC (rms)	Thermal time constant	45 min
Rated power	2.3 kW	Rotor inertia	7.9 kgcm²
Rated speed	2000 rpm	Protection	IP64
Rated torque	11.20 Nm	Color	RAL 9005
Rated current	5.98 A (rms)	Cooling	Convection
Peak torque	36 Nm	Motor-only mass	7.5 kg
Peak current	20.9 A (rms)	Max. axial force 20kh	126 N
Stall torque	12 Nm	Max. radial force 20kh	665 N*
Stall current	5.7 A (rms)	Max. axial force 100kh	74 N
No load speed	2960 rpm	Max. radial force 100kh	389 N*
EMF constant ±10%	128 V AC (rms) / 1000rpm	* Defined for point of action at ½ output shaft length	
Theoretical torque constant ±10%	2.12 Nm / A (rms)		
Torque constant ±10% @ rated load	1.87 Nm / A (rms)	Sensors	
Number of poles	10	Temperature	PT1000 {PT1000}
Electrical time constant	8.05 ms	Feedback	EDS35 (HDSL) single-turn, 24 bits
Winding terminal resistance	2.66 Ω		
Rotary field terminal inductance	21.4 mH		

Customs info	
HS Code	85015220

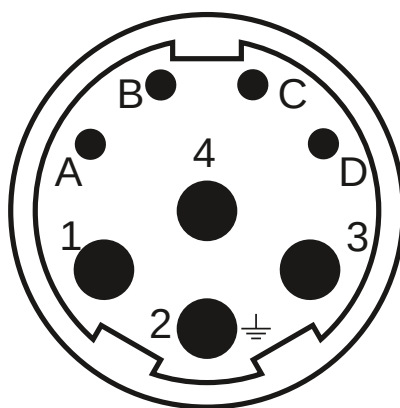
Gearbox engineering data		Gearbox mechanical data	
Gear ratio	50	Radial force for 20'000h	12000 N
Efficiency	94 %*	Radial force for 30'000h	11000 N
Torsional stiffness	241 Nm/arcmin	Max. radial force	12000 N
Number of stages	2	Axial force for 20'000h	8500 N
Rated output torque	310 Nm	Axial force for 30'000h	7500 N
Cycling output torque	620 Nm	Max. axial force	8500 N
Max output torque	1000 Nm	Tilting moment for 20'000h	1219 Nm
Emergency output torque	1200 Nm	Tilting moment for 30'000h	1117 Nm
Rated input speed	3500 rpm	Max. bending moment	80 Nm
Max input speed	8500 rpm	Output shaft design	Flange
Operating temperature	<-25; 90> °C	Mass	14.37 kg
Max. backlash	< 1 arcmin	Input inertia	1.977 kgcm ²
Service life	20000 h	Protection	IP65

* at rated speed & torque

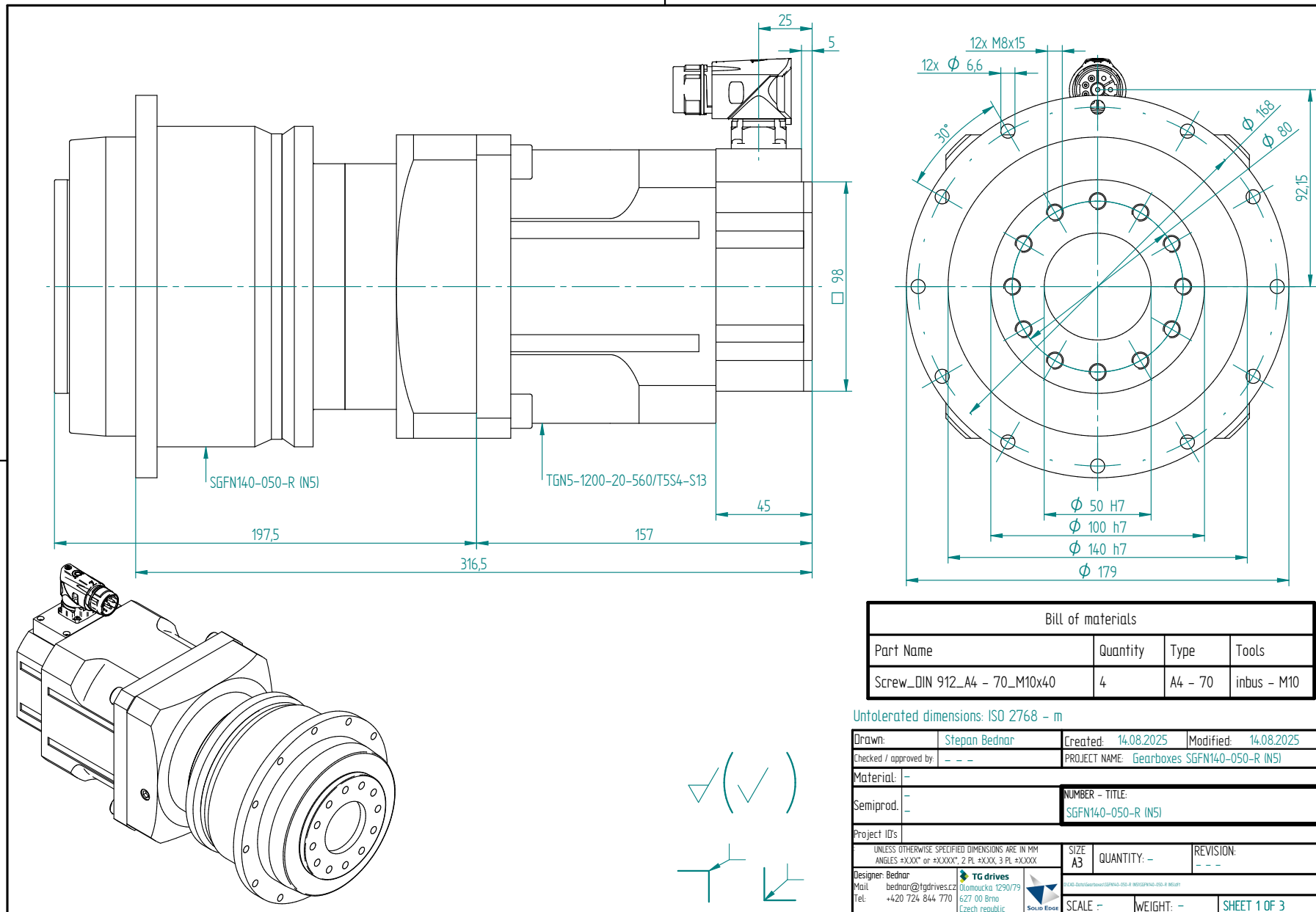
Lubrication		Actuator data	
Type	Standard	Rated speed	40 rpm
Lubricant	Castrol Optigear Synthetic	Rated torque	310.00 Nm
	800/150	Cycling torque	620.00 Nm
		Peak torque	1000.00 Nm
		Emergency stop torque	1200.00 Nm
		EMF constant ±10%	6400.0 V AC (rms) / 1000rpm
		Torque constant ±10% @ rated load	88.03 Nm / A (rms)
		Total mass	21.87 kg
		Output inertia	24692.5 kgcm ²

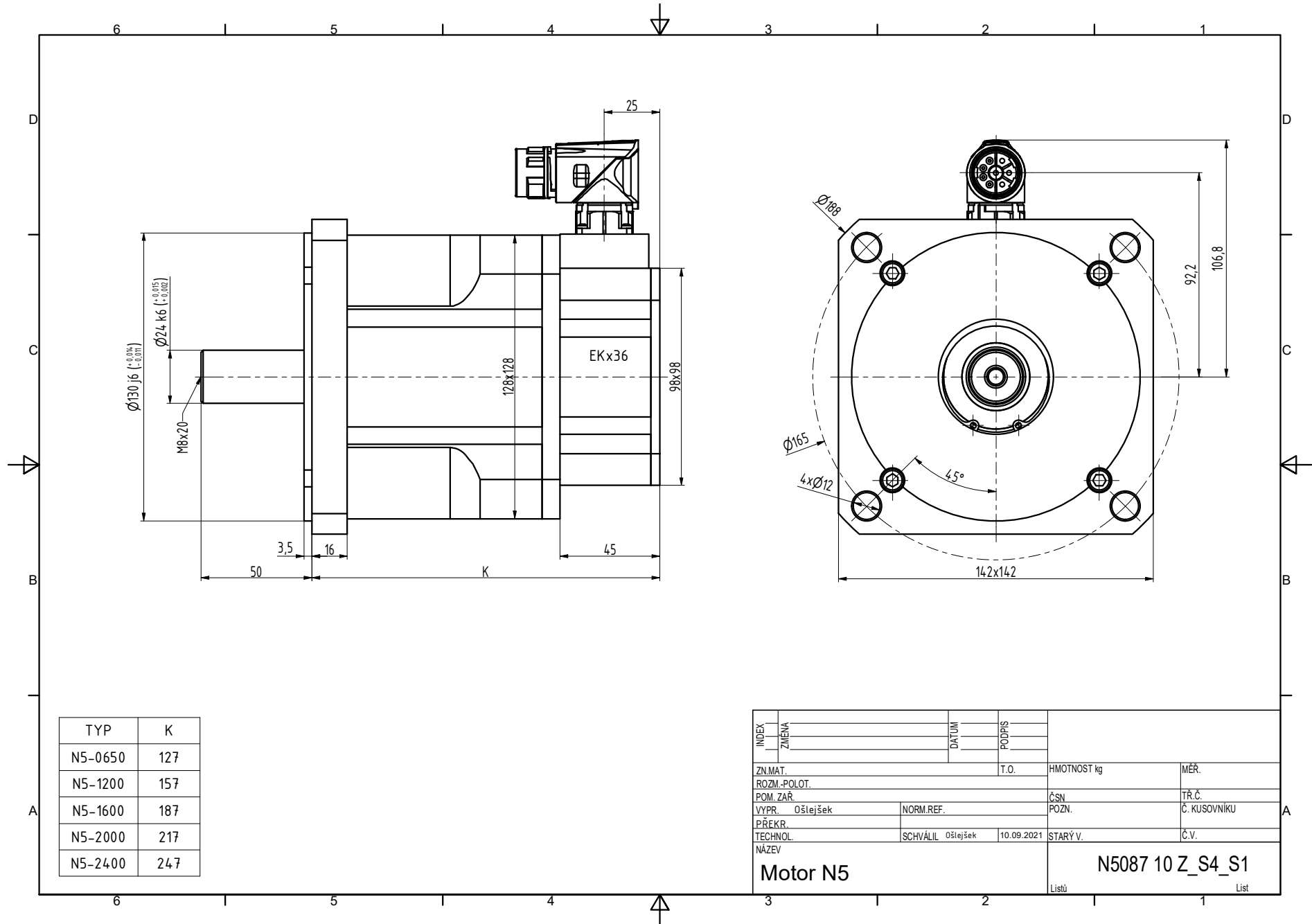

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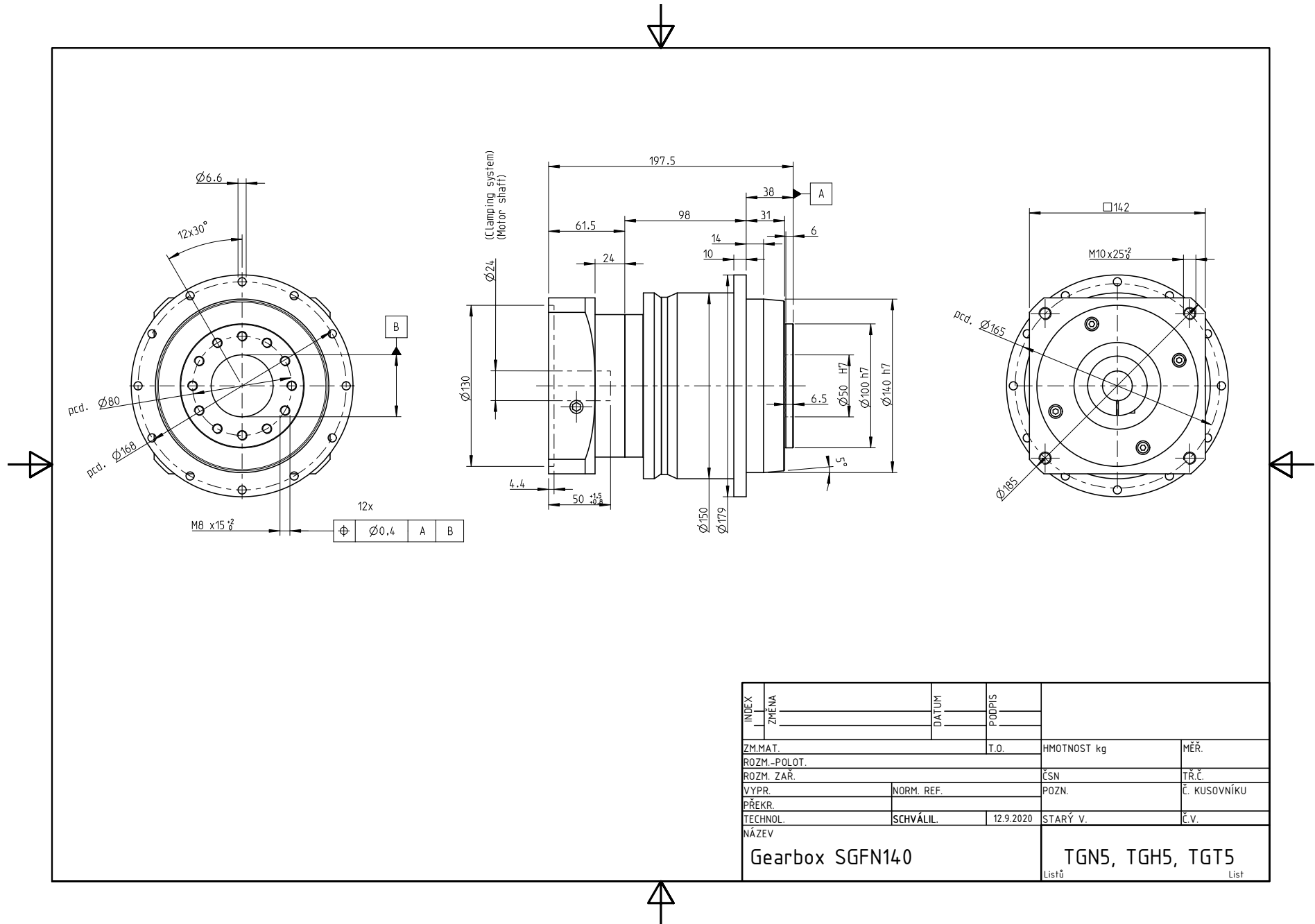
M23, 8 poles, rotary


Connector 1 (283)

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







INDEX	ZMĚNA	DATUM	PODPIS		
ZM.MAT.			T.O.	HMOTNOST kg	MĚŘ.
ROZM.-POLOT.				ČSN	TRČ.
ROZM. ZAR.				POZN.	Č. KUSOVNÍKU
VYPR.	NORM. REF.			STARÝ V.	Č.V.
PŘEKR.					
TECHNOL.	SCHVÁLIL.	12.9.2020			
NÁZEV	Gearbox SGFN140			TGN5, TGH5, TGT5	
				Listů	List