

Engineering motordata (WIN -100033)

DC bus voltage	24 V DC
Nominal AC voltage	17 V AC (rms)
Rated voltage	12 V AC (rms)
Rated power	304 W
Rated speed	2000 rpm
Rated torque	1.45 Nm
Rated current	20.9 A (rms)
Peak torque	4.5 Nm
Peak current	66.49 A (rms)
Stall torque	1.5 Nm
Stall current	18.66 A (rms)
No load speed	3460 rpm
EMF constant ±10%	4.9 V AC (rms) / 1000rpm
Theoretical torque constant ±10%	0.08 Nm / A (rms)
Torque constant ±10% @ rated load	0.07 Nm / A (rms)
Number of poles	10
Electrical time constant	1.39 ms
Winding terminal resistance	0.115 Ω
Rotary field terminal inductance	0.16 mH

Customs info

HS Code	85015100
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Mechanical motor data (setting 74)

Max mechanical speed	12000 rpm
Mech. time constant	1.67 ms
Thermal time constant	23 min
Rotor inertia	0.55 kgcm ²
Protection	IP64
Color	RAL 9005
Cooling	Convection

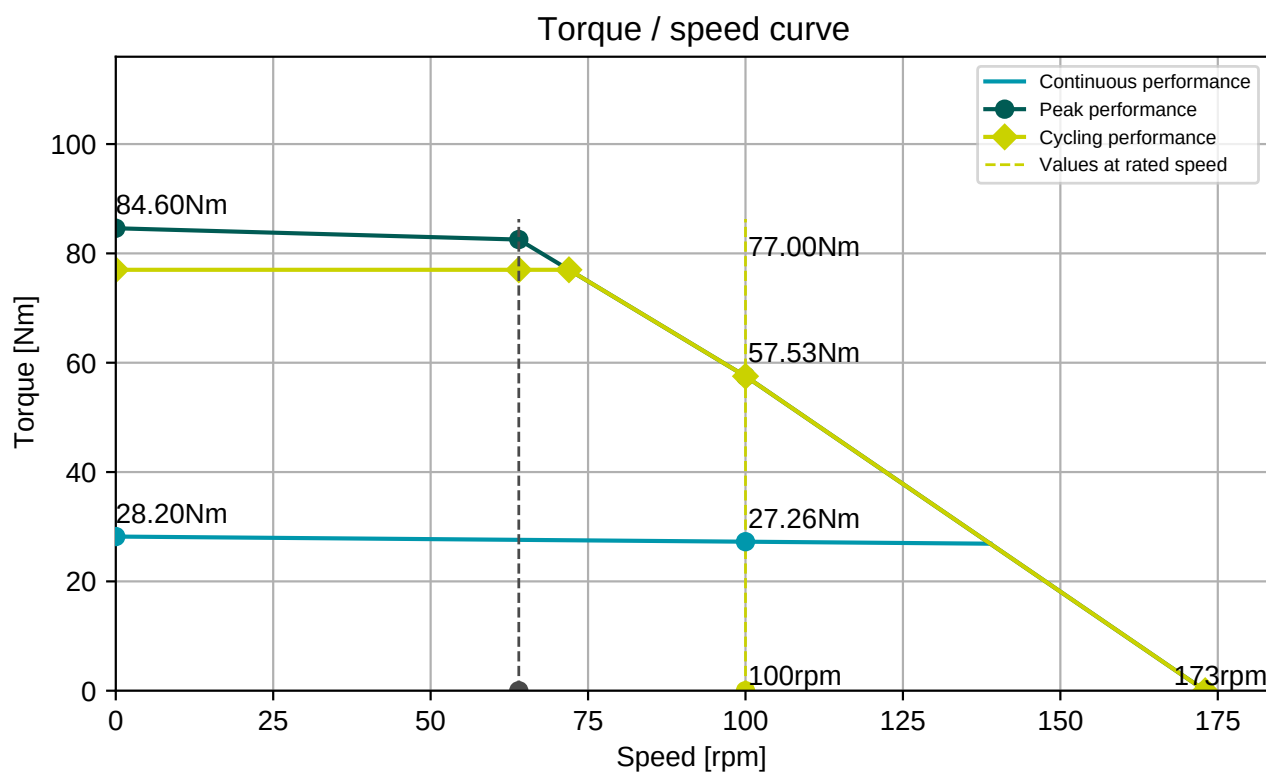
Sensors

Temperature	PT1000 {PT1000}
Feedback	AD36/1219Ax.xxBEx (Hengstler) multi-turn, 19+12 bits, BISS-C, 5V

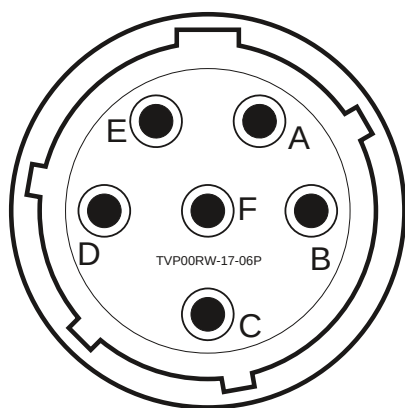
Brake

Braking torque	2.00 Nm
Voltage	24 V DC
Power @20°C	15.0 W
Current @20°C	0.63 A
Inertia	0.08 kgcm ²
Mass	0.25 kg

Gearbox engineering data		Gearbox mechanical data	
Gear ratio	20	Radial force for 20'000h	2150 N
Efficiency	94 %*	Axial force for 20'000h	2850 N
Torsional stiffness	13.7 Nm/arcmin	Output shaft design	Flange
Number of stages	2	Mass	1.87 kg
Rated output torque	38 Nm	Input inertia	0.228 kgcm ²
Cycling output torque	77 Nm	Protection	IP65
Max output torque	103 Nm	Actuator data	
Emergency output torque	150 Nm	Rated speed	100 rpm
Rated input speed	4200 rpm	Rated torque	27.26 Nm
Max input speed	10000 rpm	Cycling torque	77.00 Nm
Operating temperature	<-40; 50> °C	Peak torque	84.60 Nm
Max. backlash	< 2 arcmin	Emergency stop torque	90.00 Nm
Service life	20000 h	EMF constant ±10%	98.0 V AC (rms) / 1000rpm
<i>* at rated speed & torque</i>		Torque constant ±10% @ rated load	1.30 Nm / A (rms)
Lubrication		Output inertia	311.2 kgcm ²
Type	Low temperature		
Lubricant	Klübersynth GH 6-32		

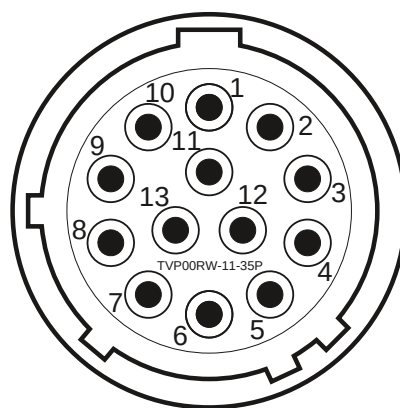


TVP00RW-17-06P



Connector 1 (202)

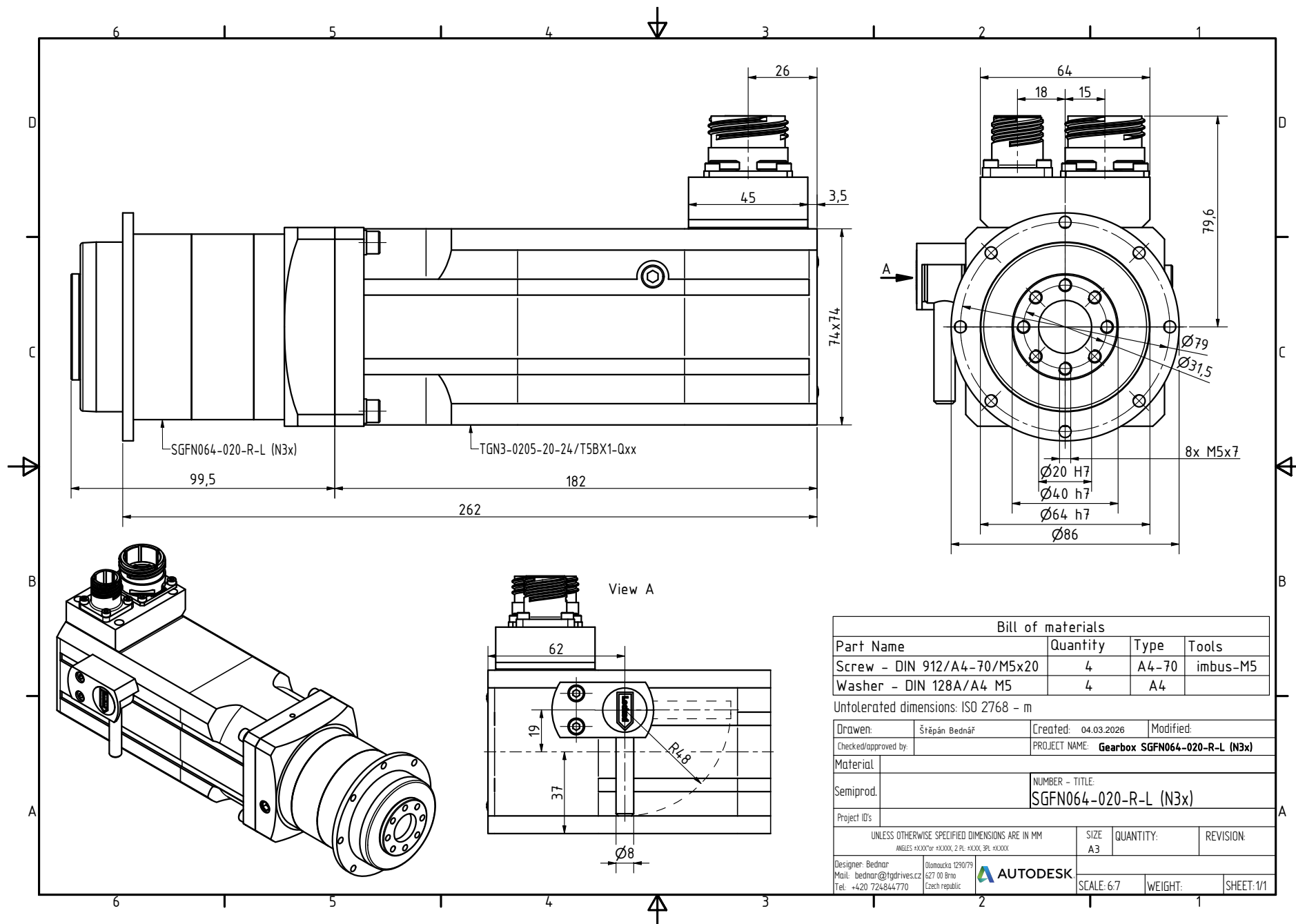
TVP00RW-11-35P



Connector 2 (520)

A	U
B	V
C	W
D	PE
E	Bremse +
F	Bremse -

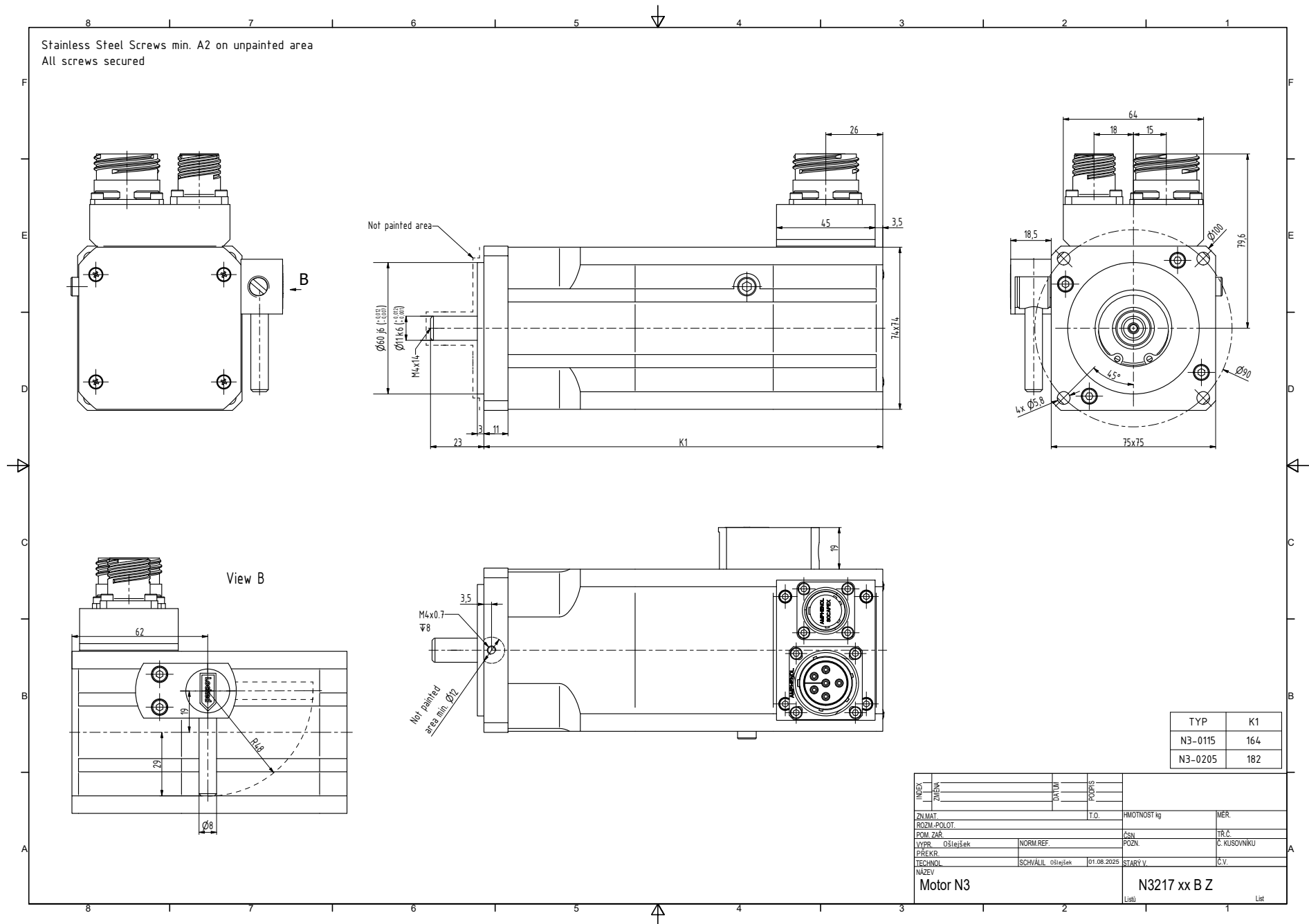
1	Vcc
2	GND
3	DATA
4	DATA-
5	CLOCK
6	CLOCK-
7	Therm+
8	Therm-

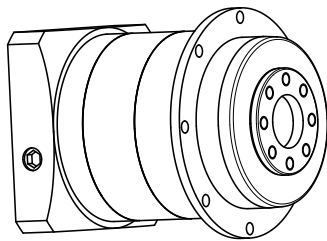
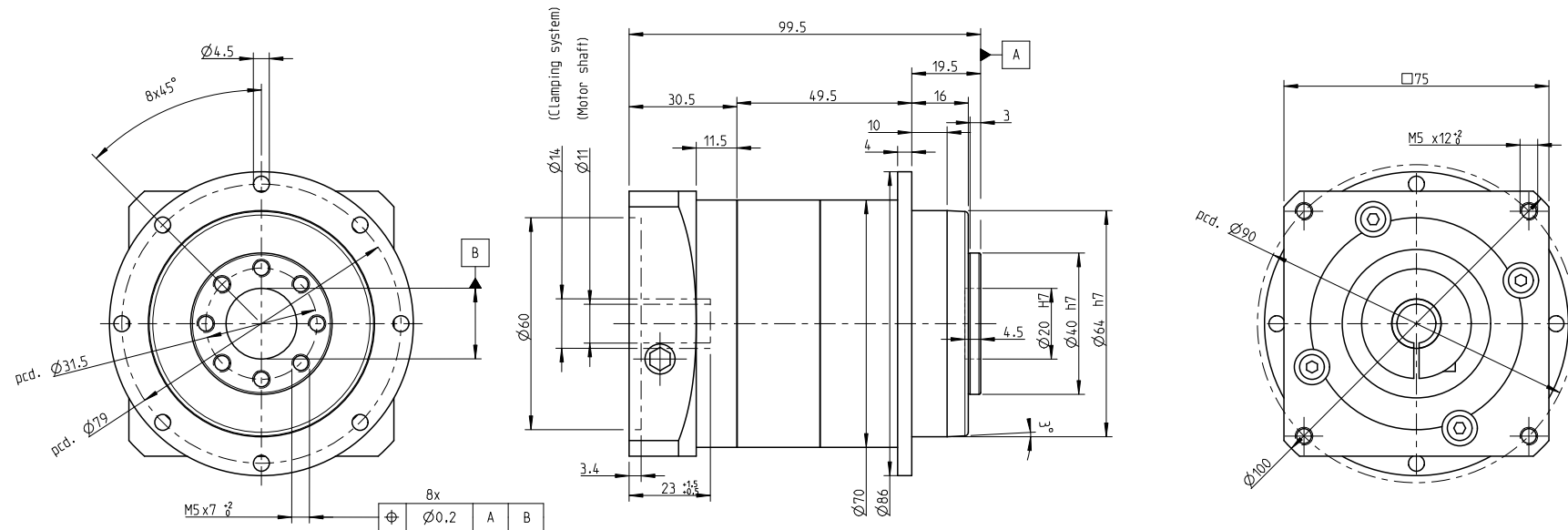


Actuator type
SGFN064-020-R-L-20-24/T5BX1-Qxx

Article no.
PM-8605

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INDEX	ZMENA	DATUM	PODPIS		
ZM.MAT.			T.O.	HMOTNOST kg	MÉR.
ROZM.-POLOT.					
ROZM. ZAR.				ČSN	TR.Č.
VYPR.	NORM. REF.			POZN.	Č. KUSOVNÍKU
PŘEKR.					
TECHNOL.	SCHVÁLIL.	12.9.2020	STARÝ V.	Č.V.	
NÁZEV				TGN3, TGH3, TGT3	
Gearbox SGFN064				Listů	List