Engineering data		
Ratio	10	
Number of stages	1	
Rated output torque	80	Nm
Cycling output torque	95	Nm
Max output torque	152	Nm
Emergency output torque	480	Nm
Rated input speed	3500	rpm
Max input speed	6500	rpm
Efficiency*	97	%
Operating temperature	<-25; 90>	°C
Backlash	< 9	arcmin
Service life	20000	h
Running noise	65	dB(A)
Torsional stiffness	21.00	Nm/arcmin

** at rated speed & torque*

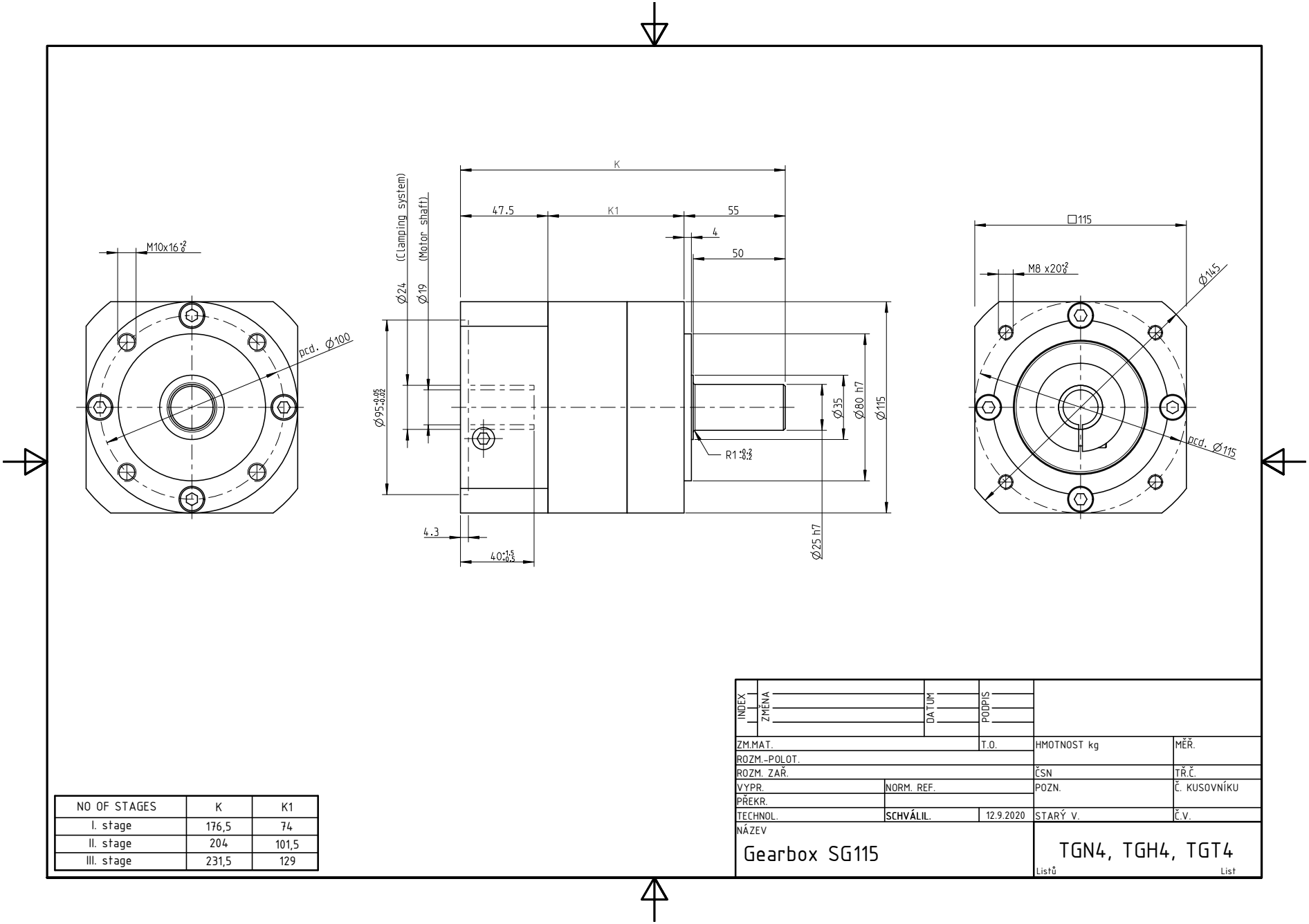
Lubrication	
Type	Standard
Lubricant	Grease (lifetime lubrication)

Customs info	
HS Code	84834090

Mechanical data		
Radial force for 20'000h*	1750	N
Radial force for 30'000h*	1500	N
Max. radial force*	2000	N
Axial force for 20'000h	2500	N
Axial force for 30'000h	2100	N
Max. axial force	3800	N
Protection	IP54	
Input inertia	1.38	kgcm2
Mass	5.75	kg
Tilting moment for 20'000h	101	Nm
Tilting moment for 30'000h	86	Nm
Max. bending moment	40	Nm
Output shaft design	Smooth shaft	

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

Supported motors	
Motor types	TGN4, TGT4, TGH4
Clamping diameter	24 mm
Input flange	Motor adaptation - one part
Installation position	Any



NO OF STAGES	K	K1
I. stage	176,5	74
II. stage	204	101,5
III. stage	231,5	129

INDEX	ZMĚNA	DATUM	PODPIS		
ZM.MAT.			T.O.	HMOTNOST kg	MĚŘ.
ROZM.-POLOT.					
ROZM. ZAŘ.				ČSN	TŘ.Č.
VYPR.		NORM. REF.		POZN.	Č. KUSOVNÍKU
PŘEKR.					
TECHNOL.		SCHVÁLIL.	12.9.2020	STARÝ V.	Č.V.
NÁZEV	Gearbox SG115			TGN4, TGH4, TGT4	
				Listů	List