

Engineering data		Mechanical data	
Ratio	64	Radial force for 20'000h	12000 N
Number of stages	2	Radial force for 30'000h	11000 N
Rated output torque	225 Nm	Max. radial force	12000 N
Cycling output torque	450 Nm	Axial force for 20'000h	8500 N
Max output torque	560 Nm	Axial force for 30'000h	7500 N
Emergency output torque	970 Nm	Max. axial force	8500 N
Rated input speed	3500 rpm	Protection	IP65
Max input speed	8500 rpm	Input inertia	2.00 kgcm ²
Efficiency	93 %*	Mass	14.90 kg
Operating temperature	<-25; 90> °C	Tilting moment for 20'000h	1219 Nm
Backlash	< 1 arcmin	Tilting moment for 30'000h	1117 Nm
Service life	20000 h	Max. bending moment	80 Nm
Running noise	70 dB(A)		
Torsional stiffness	223.00 Nm/arcmin		

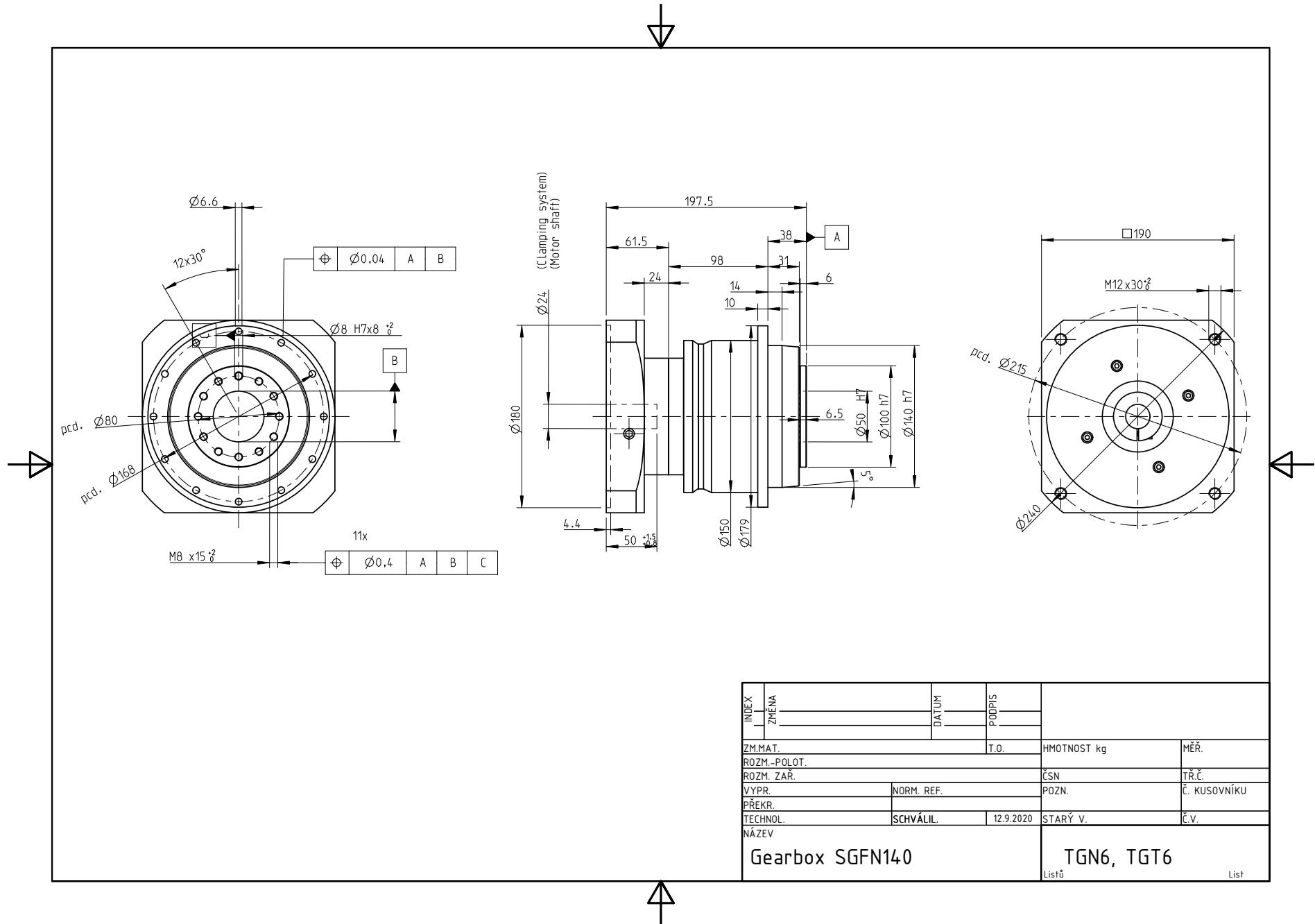
* at rated speed & torque

Lubrication	
Type	Standard
Lubricant	Castrol Optigear Synthetic 800/150

Customs info	
HS Code	84834090

Output shaft design Flange with dowel hole

Supported motors	
Motor types	TGN6, TGT6
Clamping diameter	24 mm
Input flange	Motor adaptation - 2 part, round universal flange
Installation position	Any



INDEX	ZMĚNA	DATUM	PODPIS		
ZM.MAT.			T.O.	HMOTNOST kg	MĚŘ.
ROZM.-POLOT.					
ROZM. ZAR.				ČSN	TR.Č.
VYPR.	NORM. REF.			POZN.	Č. KUSOVNÍKU
PŘEKR.					
TECHNOL.	SCHVÁLIL.	12.9.2020	STARÝ V.	Č.V.	
NÁZEV					
Gearbox SGFN140				TGN6, TGT6	
				Listů	List