

Engineering data		Mechanical data	
Ratio	64	Radial force for 20'000h	3950 N
Number of stages	2	Radial force for 30'000h	3500 N
Rated output torque	40 Nm	Max. radial force	3950 N
Cycling output torque	80 Nm	Axial force for 20'000h	8200 N
Max output torque	128 Nm	Axial force for 30'000h	7200 N
Emergency output torque	200 Nm	Max. axial force	8200 N
Rated input speed	4500 rpm	Protection	IP65
Max input speed	14000 rpm	Input inertia	0.22 kgcm ²
Efficiency	88 %*	Mass	3.38 kg
Operating temperature	<-25; 90> °C	Tilting moment for 20'000h	326 Nm
Backlash	< 1 arcmin	Tilting moment for 30'000h	289 Nm
Service life	20000 h	Max. bending moment	18 Nm
Running noise	62 dB(A)		
Torsional stiffness	32.50 Nm/arcmin		

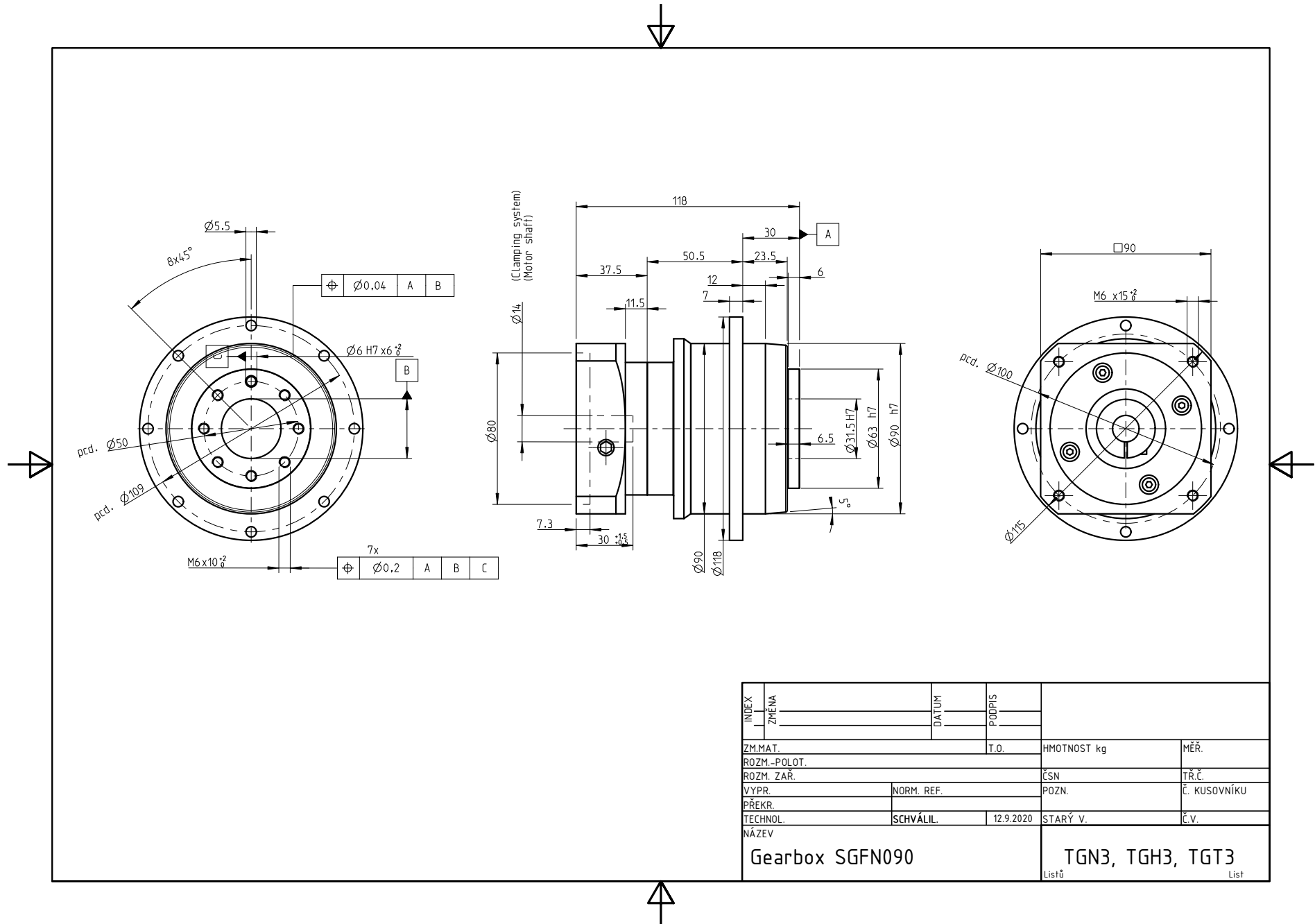
* at rated speed & torque

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	TGN3, TGT3, TGH3
Clamping diameter	14 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 SGFN090				TGN3, TGH3, TGT3	
				Listů	List