Engineering data		
Ratio	50	
Number of stages	2	
Rated output torque	310	Nm
Cycling output torque	620	Nm
Max output torque	1000	Nm
Emergency output torque	1200	Nm
Rated input speed	3500	rpm
Max input speed	8500	rpm
Efficiency*	94	%
Operating temperature	<-25; 90>	°C
Backlash	< 1	arcmin
Service life	20000	h
Running noise	70	dB(A)
Torsional stiffness	223.00	Nm/arcmin

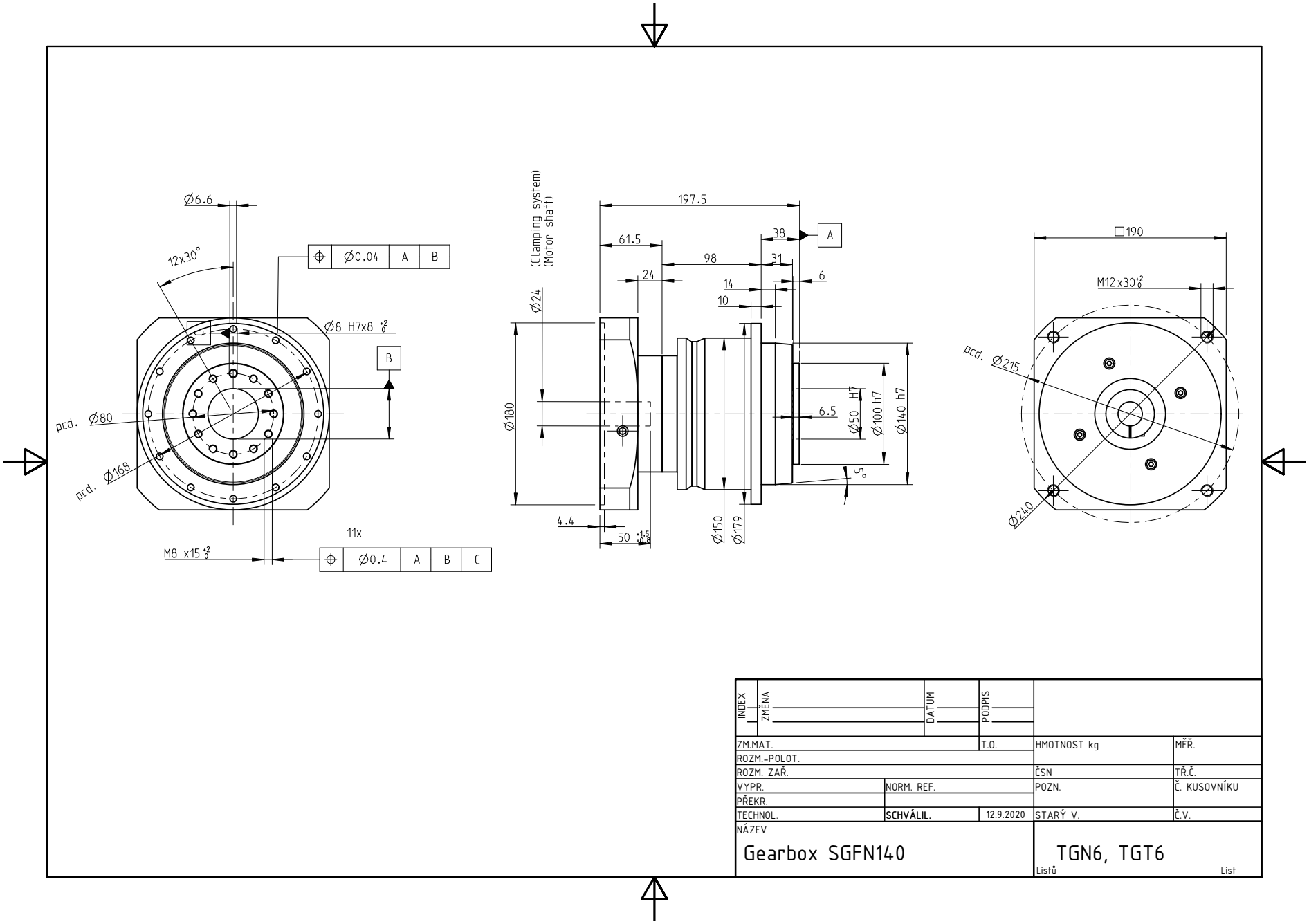
** at rated speed & torque*

Lubrication	
Type	Standard
Lubricant	Castrol Optigear Synthetic 800/150

Customs info	
HS Code	84834090

Mechanical data		
Radial force for 20'000h	12000	N
Radial force for 30'000h	11000	N
Max. radial force	12000	N
Axial force for 20'000h	8500	N
Axial force for 30'000h	7500	N
Max. axial force	8500	N
Protection	IP65	
Input inertia	1.98	kgcm2
Mass	14.37	kg
Tilting moment for 20'000h	1219	Nm
Tilting moment for 30'000h	1117	Nm
Max. bending moment	80	Nm
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


Ø6.6
12x30°
Ø0.04 A B
Ø8 H7x8
B
pcd. Ø80
pcd. Ø168
11x
M8 x15
Ø0,4 A B C
(Clamping system)
(Motor shaft)
197.5
61.5
98
38
31
24
14
10
6
A
Ø24
Ø180
6.5
Ø50 H7
Ø100 h7
Ø140 h7
5°
4.4
50
Ø150
Ø179
□190
M12 x30
pcd. Ø215
Ø240
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 SGFN140
TGN6, TGT6
Listů
List