

Engineering data		Mechanical data	
Ratio	120	Radial force for 20'000h	2050 N*
Number of stages	3	Radial force for 30'000h	1700 N*
Rated output torque	93 Nm	Max. radial force	2500 N*
Cycling output torque	110 Nm	Axial force for 20'000h	2500 N
Max output torque	176 Nm	Axial force for 30'000h	2000 N
Emergency output torque	220 Nm	Max. axial force	3800 N
Rated input speed	4000 rpm	Protection	IP54
Max input speed	7000 rpm	Input inertia	0.59 kgcm ²
Efficiency	89 %*	Mass	3.96 kg
Operating temperature	<-25; 90> °C	Tilting moment for 20'000h	101 Nm
Backlash	< 11 arcmin	Tilting moment for 30'000h	84 Nm
Service life	20000 h	Max. bending moment	16 Nm
Running noise	60 dB(A)	Output shaft design	Shaft key
Torsional stiffness	11.40 Nm/arcmin		

* at rated speed & torque

* Defined for point of action at ½ output shaft length

Lubrication		Supported motors	
Type	Standard	Motor types	TGN3, TGT3, TGH3
Lubricant	Grease (lifetime lubrication)	Clamping diameter	19 mm
Customs info		Input flange	Motor adaptation - one part
HS Code	84834090	Installation position	Any



INDEX	ZMĚNA	DATUM	PODPIS		
ZM.MAT.			T.O.	HMOTNOST kg	MĚŘ.
ROZM.-POLOT.					
ROZM. ZAŘ.				ČSN	TRČ.
VÝPR.	NORM. REF.			POZN.	Č. KUSOVNÍKU
PŘEKR.					
TECHNOL.	SCHVÁLIL.	12.9.2020		STARÝ V.	Č.V.
NÁZEV					
Gearbox SGQ080				TGN3, TGH3, TGT3	
				Listů	List