

Engineering data		Mechanical data	
Ratio	320	Radial force for 20'000h	750 N*
Number of stages	3	Radial force for 30'000h	650 N*
Rated output torque	93 Nm	Max. radial force	1250 N*
Cycling output torque	110 Nm	Axial force for 20'000h	1000 N
Max output torque	176 Nm	Axial force for 30'000h	900 N
Emergency output torque	220 Nm	Max. axial force	1600 N
Rated input speed	4000 rpm	Protection	IP54
Max input speed	7000 rpm	Input inertia	0.37 kgcm ²
Efficiency	80 %*	Mass	3.16 kg
Operating temperature	<-25; 90> °C	Tilting moment for 20'000h	31 Nm
Backlash	< 11 arcmin	Tilting moment for 30'000h	27 Nm
Service life	20000 h	Max. bending moment	16 Nm
Running noise	60 dB(A)	Output shaft design	Smooth shaft
Torsional stiffness	10.20 Nm/arcmin		

* at rated speed & torque

* Defined for point of action at ½ output shaft length

Lubrication		Supported motors	
Type	Standard	Motor types	TGN4, TGT4, TGH4
Lubricant	Grease (lifetime lubrication)	Clamping diameter	19 mm
Customs info		Input flange	Motor adaptation - one part
HS Code	84834090	Installation position	Any

