

Engineering data		Mechanical data	
Ratio	160	Radial force for 20'000h	400 N*
Number of stages	3	Radial force for 30'000h	340 N*
Rated output torque	37 Nm	Max. radial force	700 N*
Cycling output torque	44 Nm	Axial force for 20'000h	500 N
Max output torque	65 Nm	Axial force for 30'000h	450 N
Emergency output torque	88 Nm	Max. axial force	800 N
Rated input speed	4500 rpm	Protection	IP54
Max input speed	13000 rpm	Input inertia	0.09 kgcm ²
Efficiency	86 %*	Mass	1.27 kg
Operating temperature	<-25; 90> °C	Tilting moment for 20'000h	14 Nm
Backlash	< 15 arcmin	Tilting moment for 30'000h	12 Nm
Service life	20000 h	Max. bending moment	12 Nm
Running noise	60 dB(A)	Output shaft design	Shaft key
Torsional stiffness	2.80 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	14 mm
Customs info		Input flange	Motor adaptation - one part
HS Code	84834090	Installation position	Any

