

Engineering data		Mechanical data	
Ratio	12	Radial force for 20'000h	200 N*
Number of stages	2	Radial force for 30'000h	160 N*
Rated output torque	14.5 Nm	Max. radial force	200 N*
Cycling output torque	20 Nm	Axial force for 20'000h	200 N
Max output torque	32 Nm	Axial force for 30'000h	160 N
Emergency output torque	40 Nm	Max. axial force	240 N
Rated input speed	5000 rpm	Protection	IP54
Max input speed	18000 rpm	Input inertia	0.03 kgcm ²
Efficiency	96 %*	Mass	0.44 kg
Operating temperature	<-25; 90> °C	Tilting moment for 20'000h	5 Nm
Backlash	< 19 arcmin	Tilting moment for 30'000h	4 Nm
Service life	20000 h	Max. bending moment	4 Nm
Running noise	58 dB(A)	Output shaft design	Smooth shaft
Torsional stiffness	1.00 Nm/arcmin		

* at rated speed & torque

* Defined for point of action at ½ output shaft length

Lubrication		Supported motors	
Type	Standard	Motor types	TGN2, TGT2, TGH2
Lubricant	Grease (lifetime lubrication)	Clamping diameter	9 mm
Customs info		Input flange	Motor adaptation - one part
HS Code	84834090	Installation position	Any

