

Engineering data		Mechanical data	
Ratio	16	Radial force for 20'000h	2500 N*
Number of stages	2	Radial force for 30'000h	2150 N*
Rated output torque	165 Nm	Max. radial force	4000 N*
Cycling output torque	195 Nm	Axial force for 20'000h	4000 N
Max output torque	310 Nm	Axial force for 30'000h	3000 N
Emergency output torque	520 Nm	Max. axial force	5900 N
Rated input speed	2800 rpm	Protection	IP54
Max input speed	6500 rpm	Input inertia	1.76 kgcm ²
Efficiency	96 %*	Mass	9.40 kg
Operating temperature	<-25; 90> °C	Tilting moment for 20'000h	168 Nm
Backlash	< 9 arcmin	Tilting moment for 30'000h	144 Nm
Service life	20000 h	Max. bending moment	40 Nm
Running noise	65 dB(A)	Output shaft design	Smooth shaft
Torsional stiffness	43.50 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	24 mm
Customs info		Input flange	Motor adaptation - one part
HS Code	84834090	Installation position	Any

