

Engineering data		Mechanical data	
Ratio	80	Radial force for 20'000h	1750 N*
Number of stages	3	Radial force for 30'000h	1500 N*
Rated output torque	220 Nm	Max. radial force	2000 N*
Cycling output torque	260 Nm	Axial force for 20'000h	2500 N
Max output torque	415 Nm	Axial force for 30'000h	2100 N
Emergency output torque	520 Nm	Max. axial force	3800 N
Rated input speed	3500 rpm	Protection	IP54
Max input speed	6500 rpm	Input inertia	1.57 kgcm ²
Efficiency	91 %*	Mass	9.21 kg
Operating temperature	<-25; 90> °C	Tilting moment for 20'000h	101 Nm
Backlash	< 11 arcmin	Tilting moment for 30'000h	86 Nm
Service life	20000 h	Max. bending moment	40 Nm
Running noise	65 dB(A)	Output shaft design	Smooth shaft
Torsional stiffness	22.00 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

