

Engineering data		Mechanical data	
Ratio	16	Radial force for 20'000h	5000 N*
Number of stages	2	Radial force for 30'000h	4200 N*
Rated output torque	680 Nm	Max. radial force	5000 N*
Cycling output torque	800 Nm	Axial force for 20'000h	7000 N
Max output torque	1280 Nm	Axial force for 30'000h	6000 N
Emergency output torque	1600 Nm	Max. axial force	11000 N
Rated input speed	1950 rpm	Protection	IP54
Max input speed	6500 rpm	Input inertia	6.06 kgcm ²
Efficiency	96 %*	Mass	22.80 kg
Operating temperature	<-25; 90> °C	Tilting moment for 20'000h	474 Nm
Backlash	< 9 arcmin	Tilting moment for 30'000h	398 Nm
Service life	20000 h	Max. bending moment	140 Nm
Running noise	58 dB(A)	Output shaft design	Smooth shaft
Torsional stiffness	75.00 Nm/arcmin		

* at rated speed & torque

* Defined for point of action at ½ output shaft length

Lubrication		Supported motors	
Type	Standard	Motor types	TGN5, TGT5, TGH5
Lubricant	Grease (lifetime lubrication)	Clamping diameter	35 mm
Customs info		Input flange	Motor adaptation - one part
HS Code	84834090	Installation position	Any

