

Engineering data		Mechanical data	
Ratio	4	Radial force for 20'000h	750 N*
Number of stages	1	Radial force for 30'000h	650 N*
Rated output torque	82 Nm	Max. radial force	1250 N*
Cycling output torque	115 Nm	Axial force for 20'000h	1000 N
Max output torque	140 Nm	Axial force for 30'000h	900 N
Emergency output torque	200 Nm	Max. axial force	1600 N
Rated input speed	3750 rpm	Protection	IP54
Max input speed	7000 rpm	Input inertia	0.46 kgcm ²
Efficiency	98 %*	Mass	2.13 kg
Operating temperature	<-25; 90> °C	Tilting moment for 20'000h	31 Nm
Backlash	< 7 arcmin	Tilting moment for 30'000h	27 Nm
Service life	20000 h	Max. bending moment	16 Nm
Running noise	60 dB(A)	Output shaft design	Shaft key
Torsional stiffness	10.00 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	19 mm
Customs info		Input flange	Motor adaptation - one part
HS Code	84834090	Installation position	Any

