

Engineering data		Mechanical data	
Ratio	4	Radial force for 20'000h	2150 N
Number of stages	1	Radial force for 30'000h	1900 N
Rated output torque	30 Nm	Max. radial force	2150 N
Cycling output torque	60 Nm	Axial force for 20'000h	4300 N
Max output torque	60 Nm	Axial force for 30'000h	3800 N
Emergency output torque	80 Nm	Max. axial force	4300 N
Rated input speed	2100 rpm	Protection	IP65
Max input speed	14000 rpm	Input inertia	0.29 kgcm ²
Efficiency	97 %*	Mass	1.31 kg
Operating temperature	<-25; 90> °C	Tilting moment for 20'000h	132 Nm
Backlash	< 3 arcmin	Tilting moment for 30'000h	117 Nm
Service life	20000 h	Max. bending moment	18 Nm
Running noise	60 dB(A)	Output shaft design	Flange
Torsional stiffness	13.20 Nm/arcmin		

* at rated speed & torque

Lubrication		Supported motors	
Type	Standard	Motor types	TGN3, TGT3, TGH3
Lubricant	Castrol Optigear Synthetic 800/150	Clamping diameter	14 mm
		Input flange	Motor adaptation - 2 part, round universal flange
Customs info		Installation position	Any
HS Code	84834090		

