

Engineering data		Mechanical data	
Ratio	50	Radial force for 20'000h	12000 N
Number of stages	2	Radial force for 30'000h	11000 N
Rated output torque	310 Nm	Max. radial force	12000 N
Cycling output torque	620 Nm	Axial force for 20'000h	8500 N
Max output torque	1000 Nm	Axial force for 30'000h	7500 N
Emergency output torque	1200 Nm	Max. axial force	8500 N
Rated input speed	3500 rpm	Protection	IP65
Max input speed	8500 rpm	Input inertia	1.98 kgcm ²
Efficiency	94 %*	Mass	14.37 kg
Operating temperature	<-25; 90> °C	Tilting moment for 20'000h	1219 Nm
Backlash	< 1 arcmin	Tilting moment for 30'000h	1117 Nm
Service life	20000 h	Max. bending moment	80 Nm
Running noise	70 dB(A)	Output shaft design	Flange with dowel hole
Torsional stiffness	223.00 Nm/arcmin		
* at rated speed & torque			
Lubrication		Supported motors	
Type	Standard	Motor types	TGN5, TGT5, TGH5
Lubricant	Castrol Optigear Synthetic 800/150	Clamping diameter	24 mm
Customs info		Input flange	Motor adaptation - 2 part, round universal flange
HS Code	84834090	Installation position	Any

