

Engineering data		Mechanical data	
Ratio	20	Radial force for 20'000h	1400 N
Number of stages	2	Radial force for 30'000h	1200 N
Rated output torque	102 Nm	Max. radial force	2200 N
Cycling output torque	120 Nm	Axial force for 20'000h	3000 N
Max output torque	192 Nm	Axial force for 30'000h	3000 N
Emergency output torque	240 Nm	Max. axial force	3300 N
Rated input speed	4000 rpm	Protection	IP54
Max input speed	7000 rpm	Input inertia	0.42 kgcm ²
Efficiency	96 %*	Mass	3.47 kg
Operating temperature	<-25; 90> °C	Tilting moment for 20'000h	46 Nm
Backlash	< 9 arcmin	Tilting moment for 30'000h	40 Nm
Service life	20000 h	Max. bending moment	16 Nm
Running noise	60 dB(A)		
Torsional stiffness	27.70 Nm/arcmin		

* at rated speed & torque

Output shaft design Flange with dowel hole

Lubrication		Supported motors	
Type	Standard	Motor types	TGN4, TGT4, TGH4
Lubricant	Grease (lifetime lubrication)	Clamping diameter	19 mm
Customs info		Input flange	Motor adaptation - one part
HS Code	84834090	Installation position	Any

