

Engineering data		Mechanical data	
Ratio	16	Radial force for 20'000h	2400 N
Number of stages	2	Radial force for 30'000h	2100 N
Rated output torque	220 Nm	Max. radial force	3800 N
Cycling output torque	260 Nm	Axial force for 20'000h	3300 N
Max output torque	415 Nm	Axial force for 30'000h	3300 N
Emergency output torque	520 Nm	Max. axial force	5200 N
Rated input speed	2200 rpm	Protection	IP54
Max input speed	6500 rpm	Input inertia	1.78 kgcm ²
Efficiency	96 %*	Mass	8.23 kg
Operating temperature	<-25; 90> °C	Tilting moment for 20'000h	109 Nm
Backlash	< 9 arcmin	Tilting moment for 30'000h	96 Nm
Service life	20000 h	Max. bending moment	40 Nm
Running noise	65 dB(A)		
Torsional stiffness	58.75 Nm/arcmin		

* at rated speed & torque

Output shaft design Flange with dowel hole

Lubrication		Supported motors	
Type	Standard	Motor types	TGN5, TGT5, TGH5
Lubricant	Grease (lifetime lubrication)	Clamping diameter	24 mm
Customs info		Input flange	Motor adaptation - one part
HS Code	84834090	Installation position	Any

