



Technical Specifications

planetary gear: straight-toothed
 Lifetime: 20.000h
 output shaft bearing: grooved ball bearing
 - max. axial load: 1200N by n2=100 1/min /Fr=0 /Lh=10.000h
 - max. radial load: 950N by n2=100 1/min /Fa=0 /Lh=10.000h
 - max. axial load: 900N by n2=100 1/min /Fr=0 /Lh=30.000h
 - max. radial load: 650N by n2=100 1/min /Fa=0 /Lh=30.000h
 - ref. on shaft center/T=30°
 backlash: 1.stage<=15 arcmin, 2.stage<=19 arcmin
 - 3.stage<=21 arcmin ref. on output shaft
 max. input speed: n1=7000 1/min⁽¹⁾
 recommended input speed: n1<=3000 1/min⁽¹⁾
 lubrication: life grease lubrication
 operating temperature: -25°C...+90°C
 efficiency: by rated load (ratio dependently)
 - ca. 94% 1.stage, ca. 92% 2.stage,
 - ca. 88% 3.stage
 nominal output torque: by n2 = 100 1/min
 sealing: bearing 2RS
 motor mounting: M2 (stocked driving pinion)
 - torque of clamping screw: 9,5Nm
 method of working: S1
 operation ratio: cB=1
 protective system: IP 54
 max. motor weight static: 9,0kg

Mn = nominal output torque at output shaft with tumscent load [Nm]
⁽²⁾ lifetime deviating 10.000h at Mn

Material:

output flange: Aluminium - untreated
 input flange: Aluminium - untreated
 housing: Steel - black

⁽¹⁾ Operating temperature may not be exceeded!

Modification reserve!

Consider motor fitting instructions!

		scale: 1:1		DIN A3	ISO
		data sheet WPLE 80 standard flange			
		date	Name		
	Auth.	26.09.05	Burger		
	Aud.	26.09.05	Bühler		
	Rel.	26.09.05	Cihlar		
		Neugart GmbH Keltenstrasse 16 D - 77971 Kippenheim		Draw-No.: MB - 938	Blatt
				Part-No.:	Bl.
stat	change	date	nam. (Urspr.)	date: 12.12.01	name: IB/Bühler