



output shaft bearing: grooved ball bearing 2RS

- max. radial load: 1300N by n2=100 1/min Lh > 10.000h
- max. axial load: 500N by n2=100 1/min Lh > 10.000h
- reference to shaft center at temp. = 30°C

straight-toothed planetary gearbox  
backlash at output shaft:

≤ 14 arcmin; reduced ≤ 8 arcmin

lifetime: > 30.000h

efficiency: by rated load 92% (depends on ratio)

lubrication: lifetime-lubrication

nominal output torque at n1 = 3000 1/min

operating temperature: -20°C bis +90°C

motor mounting: M2 (stocked driving pinion)

- torque of clamping screw: 6 Nm
- operation mode: S1  
operation ratio: CB1  
protection system IP 54

i =	12	16	20	25	35	40	50	70	100
nominal output torque [Nm]	80	100	100	100	100	100	100	100	64
max. acceleration torque [Nm]	100	125	125	125	125	125	125	125	80
emergency torque [Nm]	160	216	216	216	216	216	216	216	160

consider mounting instruction  
subject to modifications

Zust	Änderung	Datum	Name	Ursprung	Ersatz für:	Ersatz durch:	Blatt
							1
Verwendungsbereich				Allgemein- toleranzen ISO 2768-mH	Kanten ISO 13715	Maßstab (Werkstoff, Halbzeug) (Rohrteil-Nr) (Modell- oder Gesenk-Nr)	(Gewicht)
			Datum	Bearb. 11.06.16	BITZER	EPL 84/2 14x30	
			Gepr.			pd80 bc100 4xM6 sq90	
			Norm				
			Tolerierung	ISO 8015			
				<b>Eiselle</b> Arbeitsmechanik		DS0840407-2	
						Blatt 1	
						1 Bl.	