

- 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:
- ≤ 10 arcmin; reduced ≤ 6 arcmin

lifetime: > 30.000h

efficiency: by rated load 94% (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 =	3	4	5	7	10
nominal output torque [Nm]	40	54	54	54	40
max. acceleration torque [Nm]	70	100	100	100	75
emergency torque [Nm]	160	216	216	216	160

Zust	Änderung	Datum	Name	Ursprung	Ersatz für:	Ersatz durch:	Blatt
					DS0840429-1		1
Verwendungsbereich				Allgemein-toleranzen ISO 2768-mH	Kanten ISO 13715	Maßstab (Werkstoff, Halbzeug) (Rohteil-Nr) (Modell- oder Gesenk-Nr)	(Gewicht)
Datum				Bearb. 04.06.16	Name BITZER	EPL 84/1 14x30	
Norm				Gepr.		pd50 bc70 4xM5 ø84	
Tolerierung ISO 8015							
							

consider mounting instruction  
subject to modifications