



output shaft bearing: grooved ball bearing 2RS

- max. radial load: 1300N by  $n_2=100 \frac{1}{\text{min}}$   $L_h > 10.000\text{h}$
- max. axial load: 500N by  $n_2=100 \frac{1}{\text{min}}$   $L_h > 10.000\text{h}$
- reference to shaft center at temp. =  $30^\circ\text{C}$

straight-toothed planetary gearbox

backlash at output shaft:

$\leq 10$  arcmin; reduced  $\leq 6$  arcmin

lifetime:  $> 30.000\text{h}$

efficiency: by rated load 94% (depends on ratio)

lubrication: lifetime-lubrication

nominal output torque at  $n_1 = 3000 \frac{1}{\text{min}}$

operating temperature:  $-20^\circ\text{C}$  bis  $+90^\circ\text{C}$

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

Verwendungsbereich		Allgemein- toleranzen ISO 2768-mH	Kanten ISO 13715	Maßstab (Werkstoff, Halbzeug) (Rohrteil-Nr.) (Modell- oder Geseenk-Nr.)	(Gewicht)
Datum		Bearb. 04.06.16 Gepr.	Name BITZER	<p>EPL 84/1 14x30</p> <p>pd50 bc70 4xM4 sq90</p>	
Norm		Tolerierung ISO 8015			
Änderung		Datum	Name		
Datum		Name			
Zust.	Änderung	Datum	Name	Ursprung:	Ersatz für:
				D S0840421-1	
					Blatt 1
					1 Bl.

consider mounting instruction  
subject to modifications