



output shaft bearing: taper roller bearing

- max. radial load: 6300N by  $n_2=100$  1/min Lh > 10.000h
- max. axial load: 5600N by  $n_2=100$  1/min Lh > 10.000h
- reference to shaft center at temp. = 30°C

straight-toothed planetary gearbox

backlash:  $\leq 4$  / 6 arcmin reference to output shaft

torsional stiffness: 40 Nm/arcmin

lifetime: > 30.000h

efficiency at load: 94% (depends on ratio)

lubrication: lifetime lubrication

running noise:  $\leq 64$  dbA (measured in 1m distance at  $n_1=3000$  1/min)

nominal output torque at  $n_1 = 3000$  1/min

$i =$	12 - 70	100
nominal output torque [Nm]	180	48
max. acceleration torque [Nm]	260	94
emergency torque [Nm]	600	200

allowed average speed: 4000 1/min

max. speed: 6000 1/min (allowed operating temp. must be considered)

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

motor mounting: M2 (supported drive pinion)

- torque of clamping screw: 10 Nm

operation mode: S1

operation ratio: CB1

protection system IP 65

consider mounting instruction  
subject to modifications

Zust	Anderung	Datum	Name	Ursprung:	Ersatz für:		Ersatz durch:		
					DS1000413-2				
Verwendungsbereich					Allgemein- toleranzen ISO 2768-mH	Kanten ISO 13715	Maßstab (Werkstoff Halbzug) (Rohteil-Nr) (Modell- oder Gassenk-Nr)		
Datum					Bearb. 26.05.16	BITZER	ESP 100/2 24x50		
Norm					Gepr.		pd130 bc165 4xM10 sq140		
Tolerierung ISO 8015									
Eisela Antriebstechnik							Blatt 1		
							1 Bl.		