

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: ≤ 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: S1
 protection system IP 65

consider mounting instruction
 subject to modifications

Verwendungsbereich		Allgemein- toleranzen ISO 2768-mH	Kanten ISO 13715	Maßstab (Werkstoff Halbzug) (Rohrteil-Nr) (Modell- oder Gassenk-Nr)	(Gewicht)
Datum		Bearb. 26.05.16	BITZER	ESP 100/2 14x30	
Norm		Tolerierung ISO 8015		pd60 bc90 4xM5 sq81	
Zust		Änderung		Ersatz für:	
Datum		Name		Ersatz durch:	
Ursprung:				DS1000408-2	
				Blatt 1	
				1 Bl.	