



output shaft bearing: taper roller bearing

- max. radial load: 6300N by n2=100 1/min Lh > 10.000h
- max. axial load: 5600N by n2=100 1/min Lh > 10.000h
- reference to shaft center at temp. = 30°C

straight-toothed planetary gearbox

backlash: ≤ 3 / 5 arcmin reference to output shaft

torsional stiffness: 40 Nm/arcmin

lifetime: > 30.000h

efficiency at load: 96% (depends on ratio)

lubrication: lifetime lubrication

running noise: ≤ 64 dbA (measured in 1m distance at n1=3000 1/min)

nominal output torque at n1 = 3000 1/min

i =	3	4 / 5 / 7	10
nominal output torque [Nm]	110	150	115
max. acceleration torque [Nm]	180	250	200
emergency torque [Nm]	500	600	500

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: 35 Nm

operation mode: S1

operation ratio: S1

protection system: IP 65

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consider mounting instruction
subject to modifications

Verwendungsbereich		Allgemein- toleranzen ISO 2768-mH		Kanten ISO 13715		Maßstab (Werkstoff Halbzug) (Rohrteil-Nr) (Modell- oder Gassenk-Nr)	
Datum		Bearb. 07.08.16		Name BITZER		ESP 100/1 35x80	
Norm		Tolerierung ISO 8015		Gepr.		pdf114,3 bc200 4xM12 sq170	
Zust		Änderung		Datum		Name	
Ursprung:		Ersatz für:		Ersatz durch:		Blatt 1	
Ersatz für:		Ersatz durch:		Blatt		1 Bl.	

