



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: ≤ 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 n1=3000 1/min)
nominal output torque at n1 = 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:		
Verwendungsbereich					Allgemein- toleranzen ISO 2768-mH	Kanten ISO 13715
Datum					Bearb./ Gepr.	BITZER
Norm					Tolerierung ISO 8015	
Maßstab					(Werkstoff Halbzug) (Rohrteil-Nr) (Modell- oder Gassenk-Nr)	
ESP 100/2 19x40					pd95 bc115 4xM8 sq110	
DS1000403-2					Ersatz für:	
Ersatz durch:					Blatt 1	
					1 Bl.	

