



output shaft bearing: grooved ball bearing 2RS

- max. radial load: 1300N by n2=100 1/min Lh > 10.000h
- max. axial load: 500N by n2=100 1/min Lh > 10.000h
- reference to shaft center at temp. = 30°C

straight-toothed planetary gearbox  
backlash at output shaft:

≤ 14 arcmin; reduced ≤ 8 arcmin

lifetime: > 30.000h

efficiency: by rated load 92% (depends on ratio)

lubrication: lifetime-lubrication

nominal output torque at n1 = 3000 1/min

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

motor mounting: M2 (stocked driving pinion)

- torque of clamping screw: 6 Nm
- operation mode: S1
- operation ratio: CB1
- protection system IP 54

|                               |     |     |     |     |     |     |     |     |     |
|-------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| i =                           | 12  | 16  | 20  | 25  | 35  | 40  | 50  | 70  | 100 |
| nominal output torque [Nm]    | 80  | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 64  |
| max. acceleration torque [Nm] | 100 | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 80  |
| emergency torque [Nm]         | 160 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 160 |

consider mounting instruction  
subject to modifications

|                    |          |       |       |   |                        |  |
|--------------------|----------|-------|-------|---|------------------------|--|
| Zust.              | Änderung | Datum | Name  | Ursprung:                               | Ersatz für:            | Ersatz durch:  |
|                    |          |       |       |   |                        |  |
| Verwendungsbereich |          |       |       | Allgemein-<br>toleranzen<br>ISO 2768-mH | Kanten<br>ISO<br>13715 | Maßstab<br>(Werkstoff, Halbzeug)<br>(Rohteil-Nr)<br>(Modell- oder Gesenk-Nr) |
|                    |          |       | Datum | Bearb. 11.06.16                         | Name<br>BITZER         | EPL 84/2 14x45   |
|                    |          |       | Gepr. | Norm                                    |                        |  |
|                    |          |       |       | Tolerierung ISO 8015                    |                        |  |
|                    |          |       |       |   |                        | DS084.0472-2   |
|                    |          |       |       | <p>pd70 bc85 4xØ9 Ø105</p>              |                        |  |
|                    |          |       |       |   |                        | Blaß<br>1  |
|                    |          |       |       |   |                        | 1 Bl.  |