

Technical Specifications:

planetary gear: straight-toothed
lifetime: 20.000h

output shaft bearing: taper roller bearing

- max. axial load: 6400N by n2=100 1/min /Fr=0 /Lh=20.000h
- max. radial load: 4300N by n2=100 1/min /Fa=0 /Lh=20.000h
- max. axial load: 5700N by n2=100 1/min /Fr=0 /Lh=30.000h
- max. radial load: 3900N by n2=100 1/min /Fa=0 /Lh=30.000h
- ref. on shaft center /T=30 °C

backlash: 1.stage<=3 arcmin / 2.stage<=5 arcmin
- ref. on output shaft

max. input speed: n1=10000 1/min^(*)

recommended input speed: n1<=4500 1/min^(*)

lubrication: life lubrication

operating temperature: -25 °C...+100 °C

efficiency: by rated load (ratio dependently)

- ca. 98% 1.stage, ca.95% 2.stage

nominal output torque: by n2=100 1/min

sealing:

- input: radial shaft seal ring

- output: radial shaft seal ring

motor mounting: M2 (stocked driving pinion)

- torque of clamping screw: 9.5Nm

method of working: S1

operation ratio: cB=1

protective system: IP 65

max.motor weight static: 15kg

Material:

output shaft: GGG 60
housing: steel - black
input flange: Aluminium


| | 1.stage | | 2.stage | |
|----|---------|-----|---------|-----|
| L1 | 150.5 | | 179 | |
| L2 | 54.5 | | 83 | |
| | i | Mn | i | Mn |
| | 3 | 75 | 12 | 120 |
| | 4 | 100 | 15 | 110 |
| | 5 | 110 | 16 | 120 |
| | 8 | 62 | 20 | 110 |
| | 10 | 45 | 25 | 110 |
| | | | 32 | 120 |
| | | | 40 | 110 |
| | | | 64 | 62 |
| | | | 100 | 45 |

Mn = nominal output torque
at output shaft [Nm]
emergency stop torque: 2 times

^(*) Operating temperature may not be exceeded!

Modification reserve!

Consider motor fitting instructions!

| | | | | | | | |
|---|--------|------|------|--|--------|---------------------|-------|
|  | | | | scale: 4:5 | | DIN A3 | ISO |
| | | | | data sheet PLV 90 standard flange | | | |
| h | | | | date | name | | |
| g | | | | Auth. 08.02.06 | Ille | | |
| f | | | | Aud. 08.02.06 | Bühler | | |
| e | | | | Rel. 08.02.06 | Bühler | | |
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| stat. | change | date | nam. | Neugart GmbH Keltenstrasse 16 D - 77971 Kippenheim | | Draw.-No.: MB - 547 | sheet |
| | | | | | | Part.-No.: | sh. |
| | | | | date | name | | |