



Technical Specifications:

planetary gear: straight-toothed
lifetime: 20.000h

output shaft bearing: taper roller bearing

- max. axial load: 15000N by $n2=100$ 1/min $/Fr=0$ $/Lh=20.000h$
- max. radial load: 9000N by $n2=100$ 1/min $/Fa=0$ $/Lh=20.000h$
- max. axial load: 13300N by $n2=100$ 1/min $/Fr=0$ $/Lh=30.000h$
- max. radial load: 8200N by $n2=100$ 1/min $/Fa=0$ $/Lh=30.000h$
- ref. on shaft center / $T=30^\circ\text{C}$

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

max. input speed: $n1=6500$ 1/min⁽¹⁾

recommended input speed: $n1 \leq 3000$ 1/min⁽¹⁾

lubrication: life lubrication

operating temperature: $-25^\circ\text{C} \dots +100^\circ\text{C}$

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: 40Nm

method of working: S1

operation ratio: $cB=1$

protective system: IP 65

max. motor weight static: 50 kg

Material:

output shaft: GGG 60

housing: GGG 60 - black

input flange: Aluminium

	1.stage		2.stage	
L1	253.5		294.5	
L2	79		120	
	i	Mn	i	Mn
	3	400	12	910
	4	560	15	780
	5	700	16	910
	8	450	20	910
	10	305	25	780
			32	910
			40	780
			64	450
			100	305

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

⁽¹⁾ Operating temperature may not be exceeded!

modification reserve!

Consider motor fitting instructions!

				scale: 1:2		DIN A3	ISO			
				data sheet PLV 142 standard flange						
h			date					name		
g			Auth. 08.02.06					Ille		
f			Aud. 08.02.06					Bühler		
e			Ret. 08.02.06					Bühler		
d										
c			Neugart GmbH			Draw-No.: MB - 565				
b			Keltenstrasse 16			Part-No.:				
a			D - 77971 Kippenheim			Blatt				
stat.	change	date	name (Urspr.)	date	nam.	Bl.				