



Technical Specifications:

planetary gear: straight-toothed
 lifetime: 20.000h

output shaft bearing: taper roller bearing

- max. axial load: 8000N by $n_2=100$ 1/min /Fr=0 /Lh=20.000h [Ⓐ]
- max. radial load: 4800N by $n_2=100$ 1/min /Fa=0 /Lh=20.000h [Ⓒ]
- max. axial load: 7100N by $n_2=100$ 1/min /Fr=0 /Lh=30.000h [Ⓐ]
- max. radial load: 4300N by $n_2=100$ 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: $n_1=8500$ 1/min [Ⓐ]

recommended input speed: $n_1<=4000$ 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 $n_2=100$ 1/min

sealing:

- input: radial shaft seal ring

- output: radial shaft seal ring

motor mounting: M2 (stocked driving pinion)

- torque of clamping screw: 16.5Nm

method of working: S1

operation ratio: $cB=1$

protective system: IP 65

max.motor weight static: 34kg

Material:

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

	1.stage		2.stage	
L1	188		221.5	
L2	77.5		111	
	i	Mn	i	Mn
	3	150	12	260
	4	200	15	210
	5	210	16	260
	8	148	20	260
	10	125	25	210
			32	260
			40	210
			64	148
			100	125

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

[Ⓐ] Operating temperature may not be exceeded! [Ⓐ]

Modification reservel

Consider motor fitting instructions!

NEUGART						scale: 3:5	DIN A3	ISO	
h	text added	19.09.05	Si/Ci	date	name	data sheet PLS 115 standard flange			
g	value adjustment	19.09.05	Si/Ci	Auth.	08.08.01				Ille
f	was 55	29.08.05	IB/BB	Aud.	08.08.01				Cihlar
e	was 59	31.05.05	Si/DH	Rel.	08.08.01				Cihlar
d	was 58	29.04.05	Si/DH						
c	text added	28.04.05	Si/DH	Neugart GmbH Kettenstrasse 16 D - 77971 Kippenheim			Draw.-No.: MB - 914	sheet	
b	text added	09.07.04	Ci				Part.-No.:	sh.	
a	text added	11.12.03	BB				date 01.03.99	name Cihlar	
stat.	change	date	nam.						