



Technical Specifications:

planetary gear: straight-toothed
 lifetime: 30.000h @
 output shaft bearing: grooved ball bearing
 - max. axial load: 2800N by n2=100 1/min /Fr=0 /Lh=10.000h
 - max. radial load: 3500N by n2=100 1/min /Fa=0 /Lh=10.000h
 - max. axial load: 2100N by n2=100 1/min /Fr=0 /Lh=30.000h
 - max. radial load: 2400N by n2=100 1/min /Fa=0 /Lh=30.000h
 - ref. on shaft center/T=30°C
 backlash: 1.stage<=8 arcmin / 2.stage<=12 arcmin
 - 3.stage<=14 arcmin, ref. on output shaft (g)
 max. input speed: n1=6500 1/min⁽¹⁾ (c)
 recommended input speed: n1<=3500 1/min⁽¹⁾
 lubrication: life grease lubrication
 operating temperature: -25°C...+90°C
 efficiency: by rated load (ratio dependently) (b)
 - ca. 96% 1.stage, ca. 94% 2.stage, ca. 90% 3.stage
 nominal output torque: by n2=100 1/min
 sealing: ball bearing 2RS
 motor mounting: M2 (stocked driving pinion)
 - torque of clamping screw: 16.5Nm
 method of working: S1
 operation ratio: cB=1
 protective system: IP 54 (a)
 max. motor weight static: 16 kg

	1.stage		2.stage		3.stage	
L1	201.5		228.5		256	
L2	99		126		153.5	
	i	Mn	i	Mn	i	Mn
	3	80	9	210 (f)	60	260
	4	100	12	260	80	260
	5	110	15	230	100	260
	8	120	16	260	120	230
			20	260	160	260
			25	230	200	230
			32	260	256	260
			40	230	320	230
			64	120	512	120

(b) Mn = nominal output torque at output shaft with tumscent load [Nm]

(d)

(1) Operating temperature may not be exceeded!

Material:
 housing: Steel - black
 input flange: Aluminium - untreated
 output flange: Aluminium - untreated

Modification reserve!
 Consider motor fitting instructions!

				scale: 1:2		DIN A3	ISO
				data sheet PLE 120/115 standard flange			
h	value adjustment	23.09.05	IB/BB	Auth.	24.09.01	Ille	
f	value adjustment	15.11.04	BB/SI	Aud.	24.09.01	Cihlar	
e	Lh was 10./20.000h	25.10.04	BB/SI	Rel.	15.07.03	Cihlar	
d	new dimensions	06.07.04	Fi				
c	text added	16.12.03	BB	Neugart GmbH Kettenstrasse 16 D - 77971 Kippenheim			Draw.-No.: MB - 908 Part.-No.:
b	text added	15.07.03	Ille				
a	was IP 43	11.12.01	Bg				Blatt
stat.	change	date	nam.	(Urspr.)			Bl.
		date	name	01.03.99			Cihlar