



Technical Specifications:

planetary gear: straight-toothed
 lifetime: 30.000h[Ⓔ]
 output shaft bearing: grooved ball bearing
 - max. axial load: 600N by n2=100 1/min /Fr=0 /Lh=10.000h
 - max. radial load: 500N by n2=100 1/min /Fa=0 /Lh=10.000h
 - max. axial load: 450N by n2=100 1/min /Fr=0 /Lh=30.000h
 - max. radial load: 340N by n2=100 1/min /Fa=0 /Lh=30.000h
 - ref. on shaft center /T=30 °C
 backlash: 1.stage<=16 arcmin / 2.stage<=20 arcmin [Ⓕ]
 - 3.stage<=22 arcmin, ref. on output shaft
 max. input speed: n1=13000 1/min[Ⓜ] [Ⓒ]
 recommended input speed: n1<=4000 1/min[Ⓜ] [Ⓓ]
 lubrication: life grease lubrication
 Operating temperature: -25 °C...+90 °C
 efficiency: by rated load (ratio dependently)
 - ca. 96% 1.stage, ca. 94% 2.stage, ca. 90% 3.stage
 nominal output torque: by n2=100 1/min
 sealing: bearing 2RS
 motor mounting: M2 (stocked driving pinion)
 - torque of clamping screw: 4,5Nm
 method of working: S1
 operation ratio: cB=1 [Ⓐ]
 protective system: IP 54
 max. motor weight static: 3,5 kg

	1.stage		2.stage		3.stage	
L1	106		118.5		131.5	
L2	47		59.5		72	
	i	Mn	i	Mn	i	Mn
	3	12	9	44	60	44
	4	16	12	44	80	44
	5	16	15	44	100	44
	8	15	16	44	120	44
			20	44	160	44
			25	40	200	40
			32	44	256	44
			40	40	320	40
			64	18	512	18

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

Ⓓ

Ⓜ 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: 1:1		DIN A3		ISO	
				data sheet PLE 60 standard flange					
h				date	name				
g				Auth.	18.09.01	ille			
f	value adjustment	21.09.05	IB/BB	Aud.	18.09.01	Cihlar			
e	Lh was 10./20.000h	22.10.04	BB/St	Ret.	15.07.03	Cihlar			
d	new dimensions	02.07.04	Fi						
c	text added	16.12.03	BB	Neugart GmbH Kettenstrasse 16 D - 77971 Kippenheim					Blatt
b	text added	15.07.03	ille						
a	was IP 43	11.12.01	Bg					Draw.-No.: MB - 904	
stat.	change	date	nam.	(Urspr.)				Part.-No.:	Bl.
		date	24.02.99	name		Cihlar			