



Technical Specifications:

planetary gear: straight-toothed
 Lifetime: 30.000h [Ⓒ]
 output shaft bearing: grooved ballbearing
 - max. axial load: 2800N by n2=100 1/min /Fr=0 /Lh=10.000h
 - max. radial load: 2500N by n2=100 1/min /Fa=0 /Lh=10.000h
 - max. axial load: 2000N by n2=100 1/min /Fr=0 /Lh=30.000h
 - max. radial load: 1700N by n2=100 1/min /Fa=0 /Lh=30.000h
 - ref. on shaft center /T=30°C
 backlash: 1.stage<=9arcmin / 2.stage<=14 arcmin [Ⓕ]
 - 3.stage<=16 arcmin, ref. on output shaft
 max. input speed: n1=7000 1/min^(m) [Ⓒ]
 recommended input speed: n1<=4000 1/min^(m)
 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: 9,5Nm
 method of working: S1
 operation ratio: cB=1
 protective system: IP 54 [Ⓐ]
 max.motor weight static: 9 kg

	1.stage		2.stage		3.stage	
L1	144.5		162		179.5	
L2	71		88.5		106	
	i	Mn	i	Mn	i	Mn
	3	40	9	130	60	110
	4	50	12	120	80	120
	5	50	15	110	100	120
	8	50	16	120	120	110
			20	120	160	120
			25	110	200	110
			32	120	256	120
			40	110	320	110
			64	50	512	50

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

Modification reserve!
 Consider motor fitting instructions!



h				date	name
g				Auth.	21.09.01 ille
f	value adjustment	21.09.05	IB/BB	Aud.	21.09.01 Cihlar
e	Lh was 10./20.000h	23.10.04	BB/SI	Rel.	15.07.03 Cihlar
d	new dimensions	07.05.04	Fi		
c	text added	16.12.03	BB	Neugart GmbH	
b	text added	15.07.03	ille	Kettenstrasse 16	
a	was IP 43	11.12.01	Bg	D - 77971 Kippenheim	
stat.	change	date	nam.	(Urspr.)	

scale:	DIN A3	ISO
1:1.5		
data sheet PLE 80/90 standard flange		
Draw.-No.:	MB - 909	Blatt
Part.-No.:		Bl.
date	24.02.99	name Cihlar