



Technical Specifications:

planetary gear: straight-toothed

lifetime: 30.000h[Ⓒ]

output shaft bearing: grooved ball bearing

- max. axial load: 1200N by n2=100 1/min /Fr=0 /Lh=10.000

- max. radial load: 950N by n2=100 1/min /Fa=0 /Lh=10.000

- max. axial load: 900N by n2=100 1/min /Fr=0 /Lh=30.000

- max. radial load: 650N by n2=100 1/min /Fa=0 /Lh=30.000

- ref. on shaft center/T=30 °C

backlash: 1.stage<=9 arcmin / 2.stage<=14 arcmin

- 3.stage<=16 arcmin, ref. on output shaft

max. input speed: n1=7000 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: 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	133.5		151		168.5	
L2	60		77.5		95	
	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

output flange: Aluminium - untreated

Modification reserve!

Consider motor fitting instructions!



h	date	name	scale: 1:1.5		DIN A3	ISO
g	Auth.	21.09.01	data sheet PLE 80			
f	value adjustment	21.09.05	standard flange			
e	Lh was 10./20.000h	23.10.04				
d	new dimensions	02.07.04				
c	text added	16.12.03	Draw.-No.: MB - 906			
b	text added	15.07.03	Part.-No.:			
a	was IP 43	11.12.01	Blatt			
stat.	change	date	nam.	(Urspr.)	date	24.02.99