



T_{2N} = nominal output torque
at output shaft with tumscent load [Nm]
emergency stop torque: 2 times T_{2N}

	1-stage		2-stage		3-stage	
L1	106.5 (f)		118.5		131.5	
L2	47		59.5		72	
	i	T_{2N} (a)	i	T_{2N}	i	T_{2N}
	3	28	9	44	60	44
	4	38	12	44	80	44
	5	40	15	44	100	44
	8	18	16	44	120	44
			20	44	160	44
			25	40	200	40
			32	44	256	44
			40	40	320	40
			64	18	512	18

Technical Specifications:
planetary gear: straight-toothed
lifetime: 30.000h

output shaft bearing: grooved ball bearing
- max. axial load: 600N by $n_2=100$ 1/min /Fr=0 /Lh=10.000h
- max. radial load: 500N by $n_2=100$ 1/min /Fa=0 /Lh=10.000h
- max. axial load: 450N by $n_2=100$ 1/min /Fr=0 /Lh=30.000h
- max. radial load: 340N by $n_2=100$ 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: $n_1=13000$ 1/min⁽¹⁾

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 $n_2=100$ 1/min
sealing: bearing 2RS
motor mounting: M2 (stocked driving pinion)
- torque of clamping screw: 4,5Nm
method of working: S1
operation ratio: $c_B=1$
protective system: IP 54
max. motor weight static: 3,5 kg

max. middle ⁽¹⁾ input speed at normal conditions and S1 duty (b)								
i	n_1 at 50% T_{2N}	n_1 at 100% T_{2N}	i	n_1 at 50% T_{2N}	n_1 at 100% T_{2N}	i	n_1 at 50% T_{2N}	n_1 at 100% T_{2N}
3	4500	4450	9	4500	4500	60	4500	4500
4	4500	4400	12	4500	4500	80	4500	4500
5	4500	4500	15	4500	4500	100	4500	4500
8	4500	4500	16	4500	4500	120	4500	4500
			20	4500	4500	160	4500	4500
			25	4500	4500	200	4500	4500
			32	4500	4500	256	4500	4500
			40	4500	4500	320	4500	4500
			64	4500	4500	512	4500	4500

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

⁽¹⁾ Operating temperature
may not be exceeded!

Modification reserve!
Consider motor fitting
instructions!

(2)	Measurements depend on the motor	
(3)	Standard motor shaft Ø	Dimensional drawing no.
	6/6.35/8/9/9.525/10/11/12/14	MB-904
	16/19	MB-1147

NEUGART				scale: 1:1		DIN A3		ISO	
h				date	name				
g	IN0045	09.09.08	IB/CK	Auth.	26.06.06	Ilte			
f	IN0042	28.07.08	SI/JS	Aud.	26.06.06	Cihlar			
e	IN0038	14.07.08	SI/JS	Rel.	26.06.06	Cihlar			
d	IN0024	14.05.08	IB/JS						
c	IN0023	14.05.08	IB/JS		Neugart GmbH		Draw.-No.: MB - 904		Blatt
b	added	26.06.06	SI/JS		Keltenstrasse 16		Part.-No.:		
a	value adjustment	26.06.06	SI/JS		D - 77971 Kippenheim		Ident.-No.:		Bl.
stat.	change	date	nam.	(Urspr.)	date	18.09.01	name	Schaberger	

data sheet PLE 60
standard flange