


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: 2000N 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: 1500N by n2=100 1/min /Fa=0 /Lh=30.000h
 - ref. on shaft center/T=30°
 input shaft bearing: grooved ball bearing
 - max. axial load: 1300N by n1=1000 1/min /Fr=0
 - max. radial load: 1000N by n1=1000 1/min /Fa=0
 - ref. on shaft center/Lh=10.000h/T=30°
 backlash: 1.stage<=8 arcmin/2.stage<=12 arcmin [ⓑ]
 - 3.stage<=14 arcmin ref. on output shaft
 max. input speed: n1=6500 1/min [ⓐ]
 recommended input speed: n1<=2000 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
 method of working: S1
 operation ratio: cB=1
 protective system: IP 54

	1.stage		2.stage		3.stage	
L1	205		232.5		260	
L2	105		132.5		160	
	i	T _{2N} [ⓐ]	i	T _{2N}	i	T _{2N}
	3	115	9	210 [ⓐ]	60	260
	4	155	12	260	80	260
	5	195	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

- ⓐ T_{2N} = nominal output torque at output shaft with tumscent load [Nm]
 emergency stop torque: 2 times T_{2N}
- ⓑ ⓓ [ⓐ] Operating temperature may not be exceeded!
 The gear boxes must be reciprocally flanged on!

Material:
 output flange: Aluminium - untreated
 input flange: Aluminium - untreated
 housing: Steel - black
 Modification reserve!
 Consider motor fitting instructions!

				scale: 1:1		DIN A3	ISO				
		date: Name		data sheet PLE 120 OP1							
h	value adjustment	14.03.06	SI/ci					Aud.	01.08.02	Ilte	
q	value adjustment	23.09.05	BB/BB					Auth.	01.08.02	Cihlar	
f	value adjustment	09.11.04	BB/SI					Ret.	01.08.02	Bühler	
e	value adjustment	27.10.04	BB/SI								
d	new dimensions										
c	Lh was 10./20.000h	25.10.04	BB/SI	Neugart GmbH		Zchg-Nr.: MB - 791	Blatt				
b	new dimensions	06.07.04	Fi	Keltenstrasse 16		Sach-Nr.:	Bl.				
a	text added	17.12.03	BB	D - 77971 Kippenheim							
stat	change	date	Nam.	(Urspr.)							