



Technical Specifications:

planetary gear: straight-toothed
 average lifetime : 20.000h
 output shaft bearing: taper roller bearing
 - max. axial load: 5000N by n2=100 1/min /Fr=0
 - max. radial load: 6000N by n2=100 1/min/Fa=0
 - ref. on shaft center/Lh=20.000h/T=30 °C
 backlash: 1-stage<=3 arcmin / 2-stage<=5 arcmin
 - ref. on output shaft
 recommended motor speed: n1<=5000 1/min
 lubrication: life grease lubrication
 max. operating temp.: -25 °C...+120 °C
 efficiency:by rated load ca. 98% 1-stage
 ca.95% 2-stage
 nominal output torque: by n2=100 1/min
 sealing:
 - input: radial shaft seal ring
 - output: radial shaft seal ring
 motor mounting: M2 (stocked driving pinion)
 - torque of clamping screw: 16,5Nm
 method of working: S1
 operation ratio: cB=1
 protective system: IP 65
 max.motor weight static: 20 kg

Material:

output shaft : steel
 housing: steel - black
 input flange: Aluminium

	1-stage		2-stage	
L1	138,5		180	
L2	68		109,5	
	i	Mn (Nm)	i	Mn (Nm)
	4	220	16	220
	5	220	20	220
	8	120	25	220
			32	220
			40	220
			64	120

Mn = nominal output torque
 at output shaft

Modification reserve !

Consider motor fitting instructions !

				scale: 1:2		DIN A3		ISO	
h				date	name		Data sheet PLS 90 HP standard flange		
g				Auth.	Ille				
f				Aud.	Cihlar				
e				Rel.	Bühler				
d									
c				Neugart GmbH		Draw.-No.: MB - 091		Blatt	
b				Keltenstrasse 16		Part.-No.:		Bl.	
a				D - 77971 Kippenheim					
stat.	change	date	nam.	date		name			