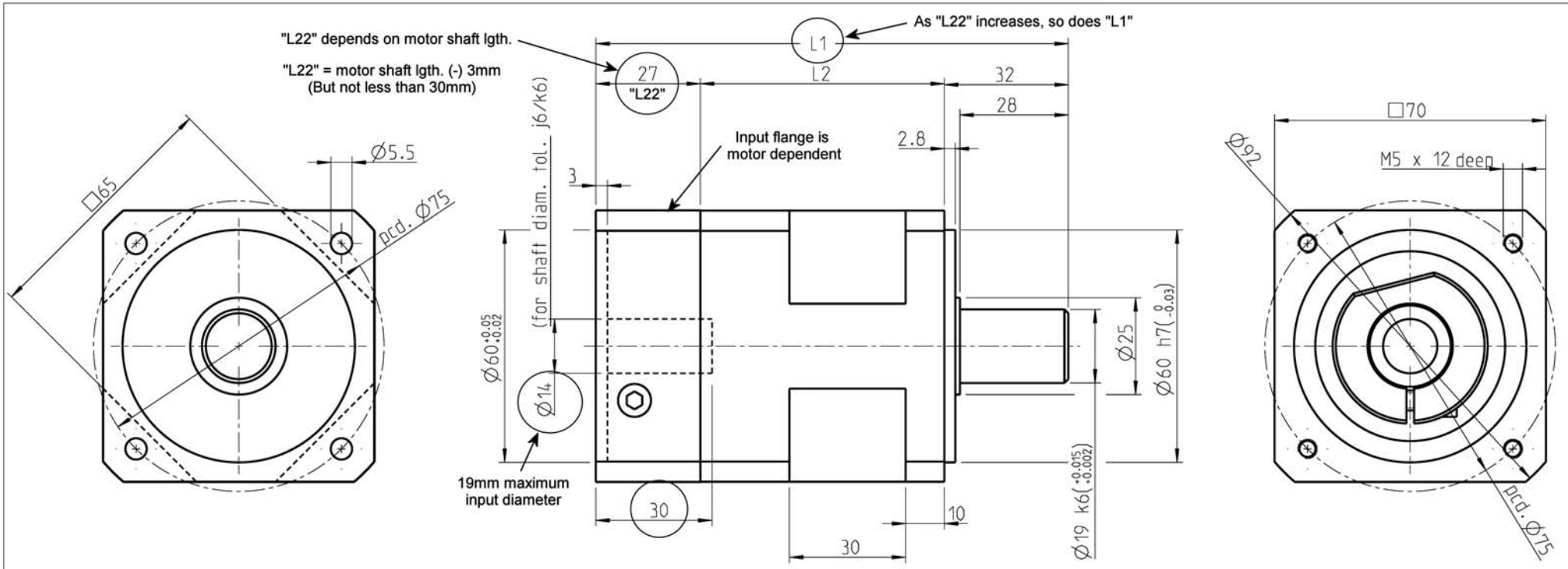

Technical Specifications:
planetary gear: straight-toothed
average lifetime: 20.000h
output shaft bearing: taper roller bearing
- max. axial load: 4000N by n2=100 1/min /Fr=0
- max. radial load: 4500N by n2=100 1/min/Fa=0
- ref. on shaft center/Lh=20.000h/T=30 °C
backlash: 1.stage<=3 arcmin / 2.stage<=5 arcmin
- ref. on output shaft
max. input speed: n1=16000 1/min(1) ⓑ
recommended input speed: n1<=6000 1/min(1)
lubrication: life lubrication
operating temperature: -25 °C...+110 °C ⓐ
efficiency: by rated load (ratio dependently) ©
- 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: 9,5Nm
method of working: S1
operation ratio: cB=1
protective system: IP 65
max.motor weight static: 15kg

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

	1.stage		2.stage	
L1	122		154,5	
L2	63		95,5	
	i	Mn	i	Mn
	4	110	16	110
	5	110	20	110
	8	60	25	110
			32	110
			40	110
			64	60

Mn = nominal output torque at output shaft [Nm]

ⓑ (1) Operating temperature may not be exceeded!

Modification reserve!
Consider motor fitting instructions!

					date	name
g				Auth.	22.04.02	Ille
f				Aud.	22.04.02	Cihlar
e				Rel.	11.03.03	Böhler
d						
c	text added	10.07.04	Ci	Neugart GmbH		
b	text added	23.01.04	BB	Keltenstrasse 16		
a	value adjustment	11.03.03	Ille	D - 77971 Kippenheim		
stat.	change	date	nam.	(Urspr.)		

scale: 1:1 | DIN A3 | ISO

Data sheet PLS 70 HP
standard flange

Draw.-No.: MB - 090
Part.-No.:

Blatt
Bl.

date | name