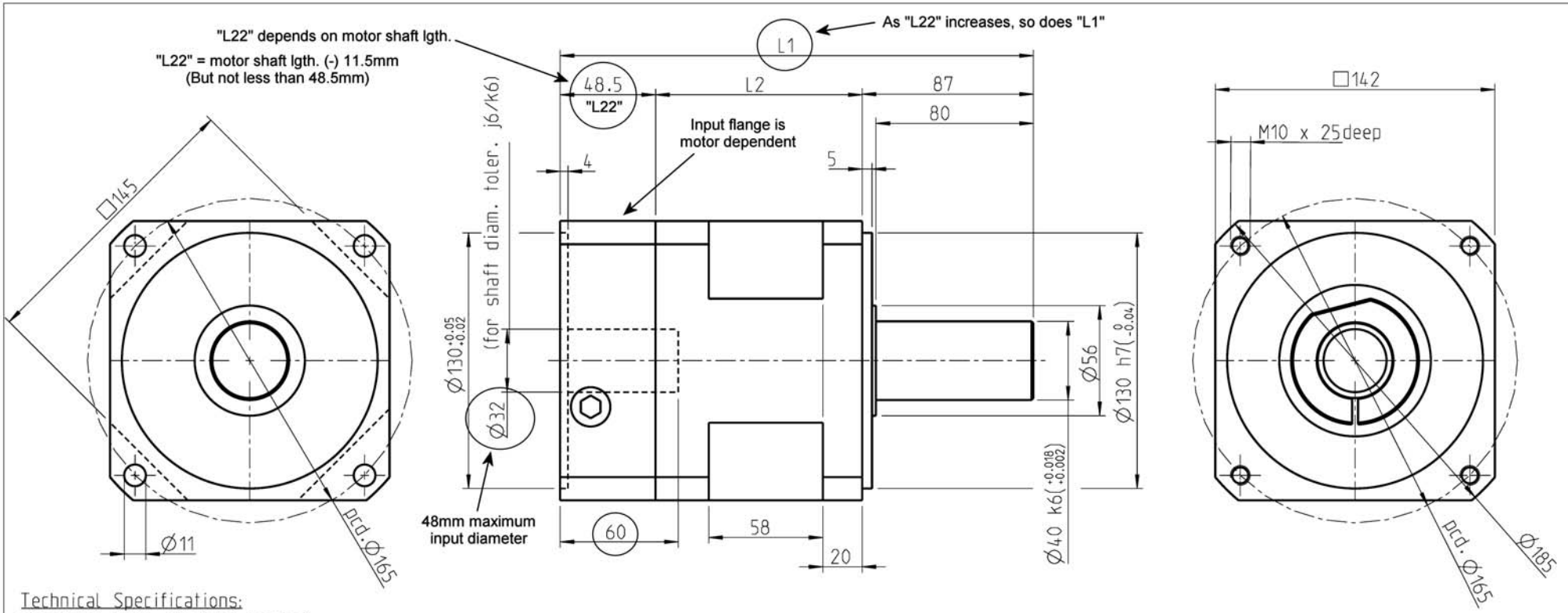

Technical Specifications:
planetary gear: straight-toothed
average lifetime: 20.000h
output shaft bearing: taper roller bearing
- max. axial load: 12000N by n2=100 1/min /Fr=0
- max. radial load: 12000N by n2=100 1/min/Fa=0 ⓓ
- ref. on shaft center/Lh=20.000h/T=30 °C
backlash: 1.stage<=3 arcmin / 2.stage<=5 arcmin
- ref. on output shaft
max. input speed: n1=8000 1/min[1] ⓒ
recommended input speed: n1<=3000 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: 40Nm
method of working: S1
operation ratio: cB=1
protective system: IP 65
max.motor weight static: 60 kg

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

	1.stage		2.stage	
L1	240,5		300	
L2	105		164,5	
	i	Mn	i	Mn
	4	1000	16	1000
	5	1000	20	1000
	8	500 ⓑ	25	1000
			32	1000
			40	1000
			64	500 ⓑ

Mn = nominal output torque
at output shaft [Nm]

ⓒ [1] Operating temperature may not be exceeded!

modification reserve!

Consider motor fitting instructions!

NEUGART

					date	name
h						
g				Auth.	23.04.02	Ille
f				Aud.	23.04.02	Bühler
e	text added	10.07.04	Ci	Rel.	04.09.03	Cihlar
d	value adjustment	26.01.04	BB			
c	text added	24.01.04	BB			
b	was 550 Nm	04.09.03	Ille			
a	value adjustment	11.03.03	Ille			
stat.	change	date	nam.			

Neugart GmbH
Keltenstrasse 16
D - 77971 Kippenheim

scale: 1:2 | DIN A3 | ISO

data sheet PLS 142 HP
standard flange

Draw.-No.: MB - 093
Part.-No.:

Blatt
Bl.

date | name