Input data

System of measurement		Metric
Input type		Gear motor
Input speed	[rpm]	1400
Output speed	[rpm]	4.5
Ratio (i=)		310.8
Frequency	[Hz]	50
Input options		IEC
Requested input power	[kW]	0.13
Service factor		1
Rated Power P1	[kW]	0.13

Output data

Gear unit		**M TA 63/50 B3 10 310.8 63 B14 AC 24 MT 0.13 kW 63 A4 B14 X3**
Type		TA - Worm speed reducers
Input type		M
Size		63/50
Ratio (i=)		310.8
Gearbox ratio		40.00
Pre-stage ratio		7.77
Input flange		B14
Input speed	[rpm]	1400
Output speed	[rpm]	4.5
Rated output torque	[Nm]	129.54
Service Factor		1
Efficiency		0.47
Inertia moment	[kgm^2]	0.000019

Gear unit configuration

Output shaft		Hollow output shaft
Fixing		Universal
Version		B3
Attachment position		10

Output radial and axial loads

Ball bearings output radial load	[N]	3200
Taper bearings output radial load	[N]	4200
Ball bearings output axial load	[N]	640
Taper bearings output axial load	[N]	840

Accessories

Hollow output shaft		AC 24

Electric motor

Size		63 A4
Poles		4
Power	[kW]	0.13

Electric motor configuration

Motor flange		B14
Terminal box position		X3

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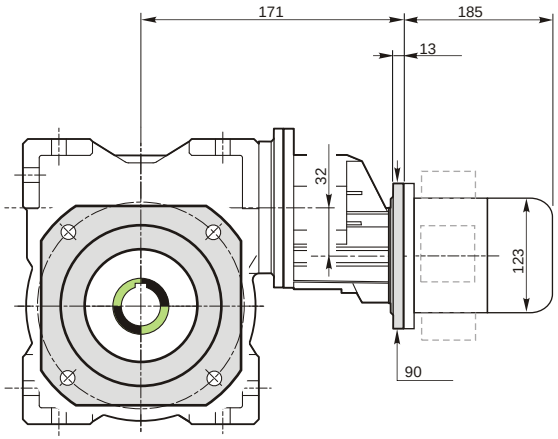
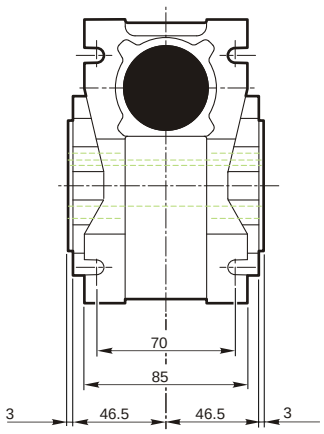
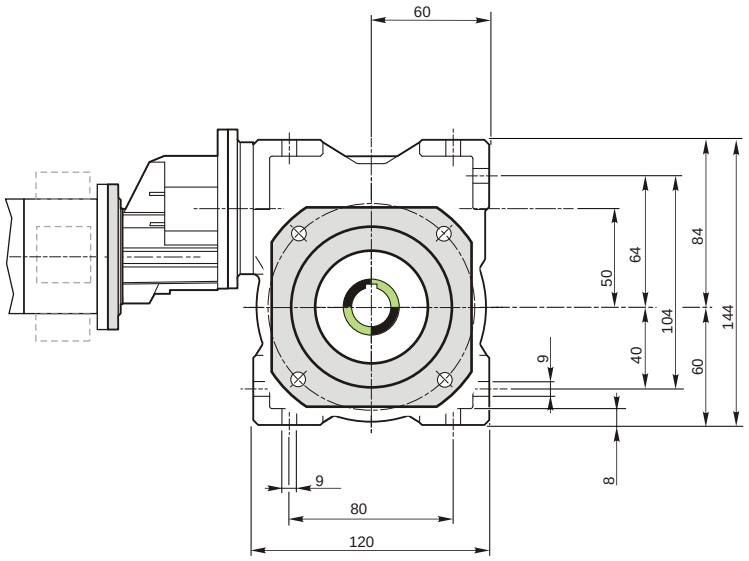
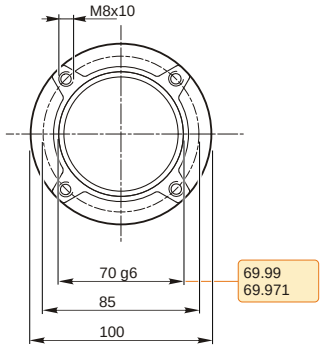




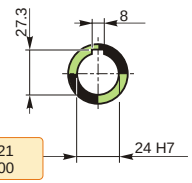


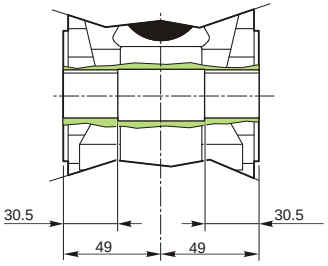


69.99
69.971

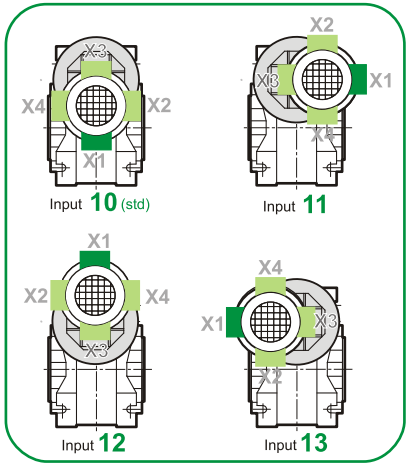
24.021
24.000

Hollow output shaft





Attachment position



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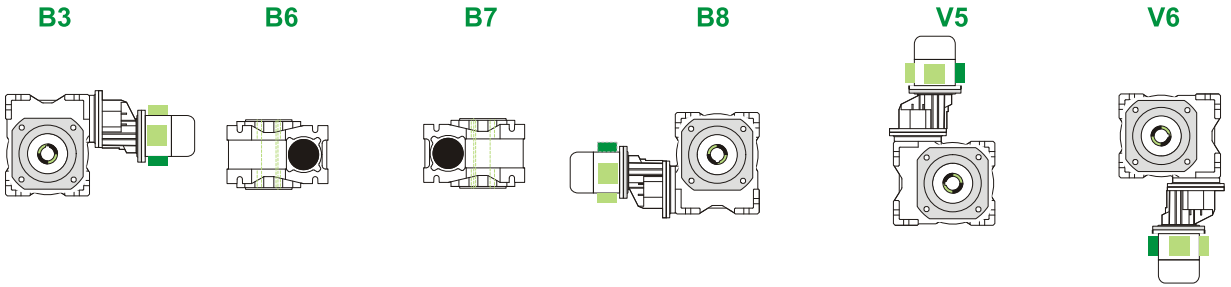
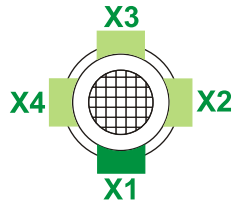
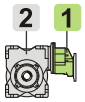
Mounting positions



Terminal box position



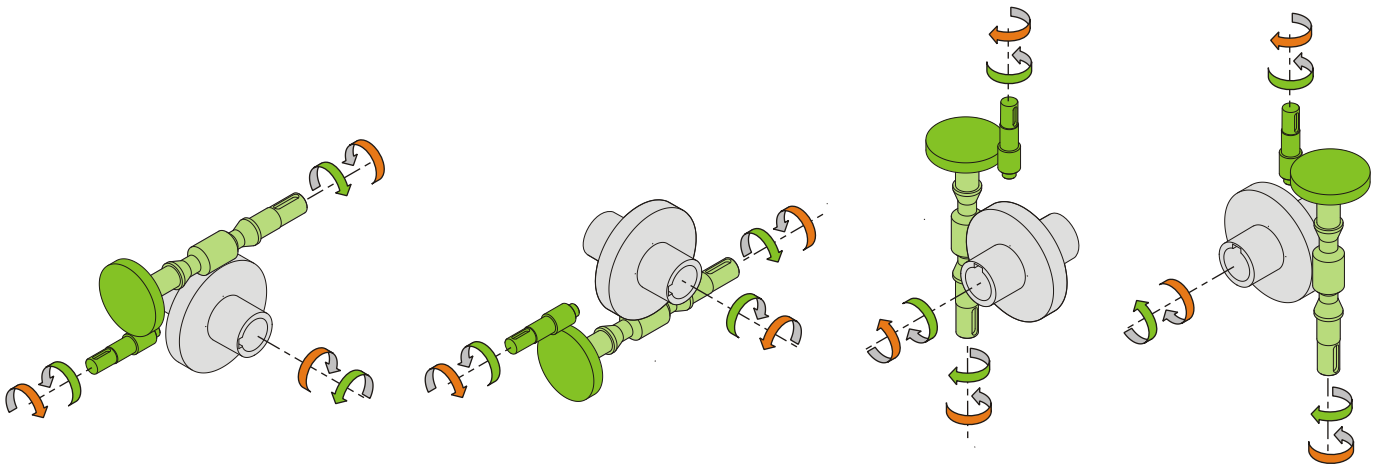
0.04	1
0.13	2



Oil quantity [litres]

Lubricant type: Long life synthetic oil ISO VG320

Direction of rotation



Weight

Gear unit [kg]	5.3
Electric motor [kg]	4.3

Gearing data

Axial module	1.9
Number of starts	1
Lead angle	4° 31’
Pressure angle	20°

Backdriving

Static self-locking
Slow back-driving in case of vibrations
Low dynamic back-driving

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