Input data

System of measurement		Metric
Input type		Gear motor
Input speed	[rpm]	1400
Output speed	[rpm]	14.58
Ratio (i=)		96
Frequency	[Hz]	50
Input options		IEC
Requested input power	[kW]	0.55
Service factor		0.9
Rated Power P1	[kW]	0.51

Output data

Gear unit		**M RA 80/60 PC 10 96 80 B14 AC 25 MT 0.55 kW 80 A4 B14 X3 B3**
Type		RA - Worm speed reducers
Input type		M
Size		80/60
Ratio (i=)		96
Gearbox ratio		15.00
Pre-stage ratio		6.40
Input flange		B14
Mounting position		B3
Input speed	[rpm]	1400
Output speed	[rpm]	14.58
Rated output torque	[Nm]	252.12
Service Factor		0.9
Efficiency		0.7
Inertia moment	[kgm^2]	0.000258

Gear unit configuration

Output shaft		Hollow output shaft
Fixing		Shaft mounting
Version		PC
Attachment position		10

Output radial and axial loads

Ball bearings output radial load	[N]	5550
Taper bearings output radial load	[N]	6600
Ball bearings output axial load	[N]	1110
Taper bearings output axial load	[N]	1320

Accessories

Hollow output shaft		AC 25

Electric motor

Size		80 A4
Poles		4
Power	[kW]	0.55

Electric motor configuration

Motor flange		B14
Terminal box position		X3

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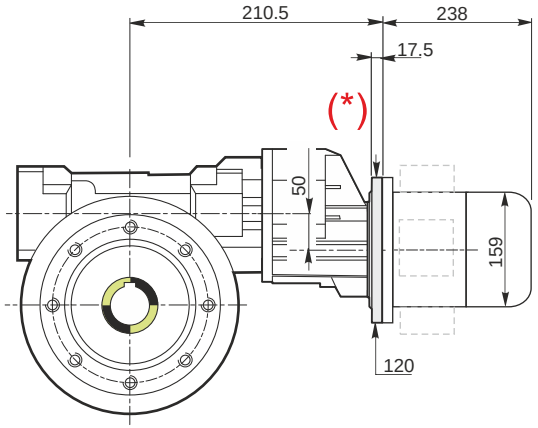
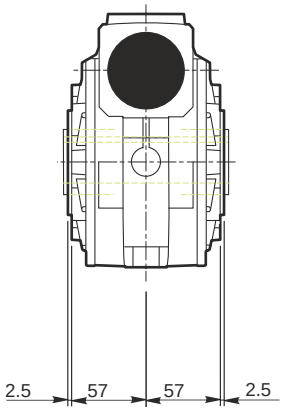
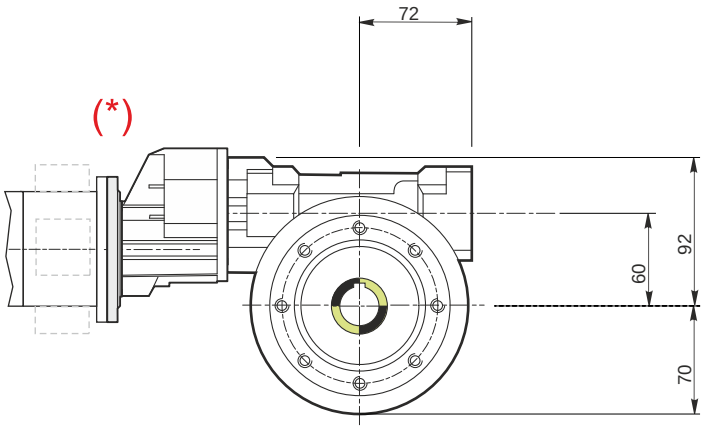
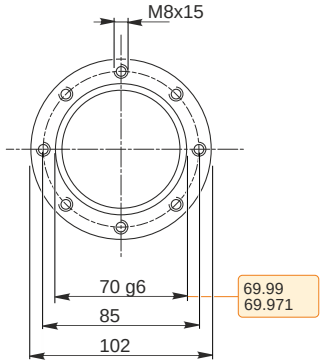




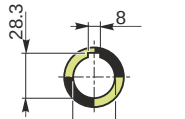


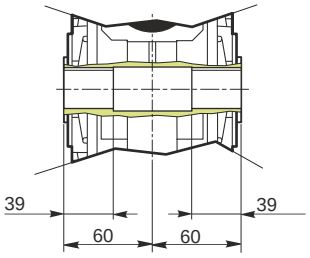


69.99
69.971

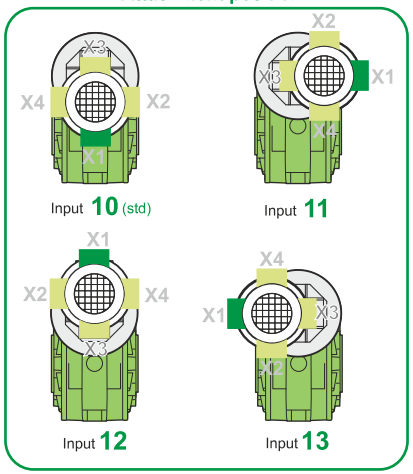
25.021
25.000

Hollow output shaft





Attachment position



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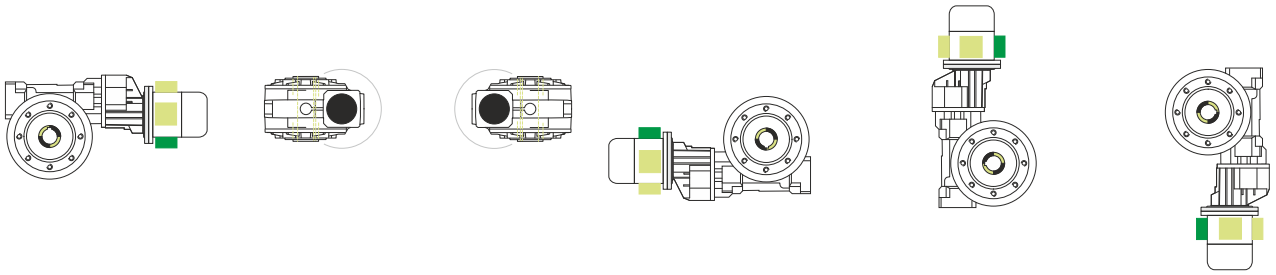
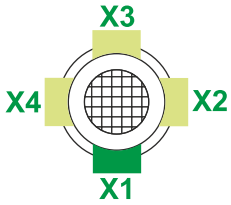
Mounting positions

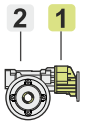
B3 B6 B7 B8 V5 V6



Terminal box position



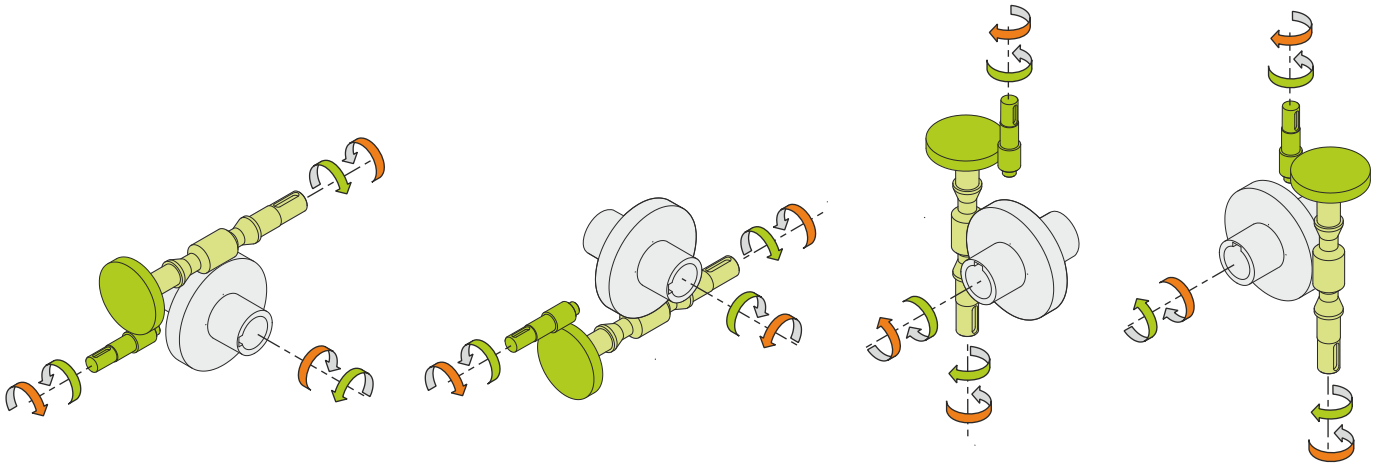
0.1	1
0.23	2



Oil quantity [litres]

Lubricant type: Long life synthetic oil ISO VG320

Direction of rotation



Weight

Gear unit [kg]	10.5
Electric motor [kg]	9.8

Gearing data

Axial module	3.1
Number of starts	2
Lead angle	12° 55’
Pressure angle	20°

Backdriving

Static back-driving
Quick back-driving
Dynamic back-driving

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