Input data

System of measurement		Metric
Input type		Gear motor
Input speed	[rpm]	1400
Output speed	[rpm]	32.1
Ratio (i=)		43.61
Frequency	[Hz]	50
Input options		IEC
Requested input power	[kW]	1.5
Service factor		2.8
Rated Power P1	[kW]	4.27

Output data

Gear unit		**M TA 100/110 B3 10 43.61 90 B14 AC 42 MT 1.5 kW 90 L4 B14 X3**
Type		TA - Worm speed reducers
Input type		M
Size		100/110
Ratio (i=)		43.61
Gearbox ratio		7.00
Pre-stage ratio		6.23
Input flange		B14
Input speed	[rpm]	1400
Output speed	[rpm]	32.1
Rated output torque	[Nm]	361.44
Service Factor		2.8
Efficiency		0.81

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]	7150
Taper bearings output radial load	[N]	9950
Ball bearings output axial load	[N]	1430
Taper bearings output axial load	[N]	1990

Accessories

Hollow output shaft		AC 42

Electric motor

Size		90 L4
Poles		4
Power	[kW]	1.5

Electric motor configuration

Motor flange		B14
Terminal box position		X3

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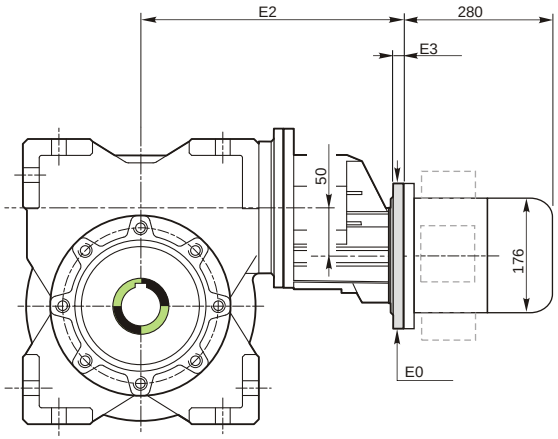
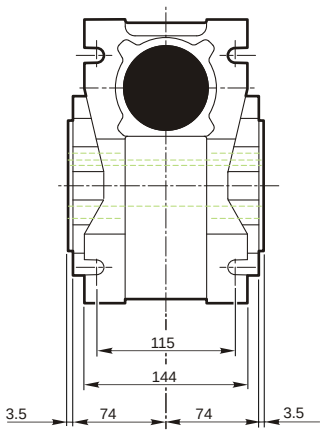
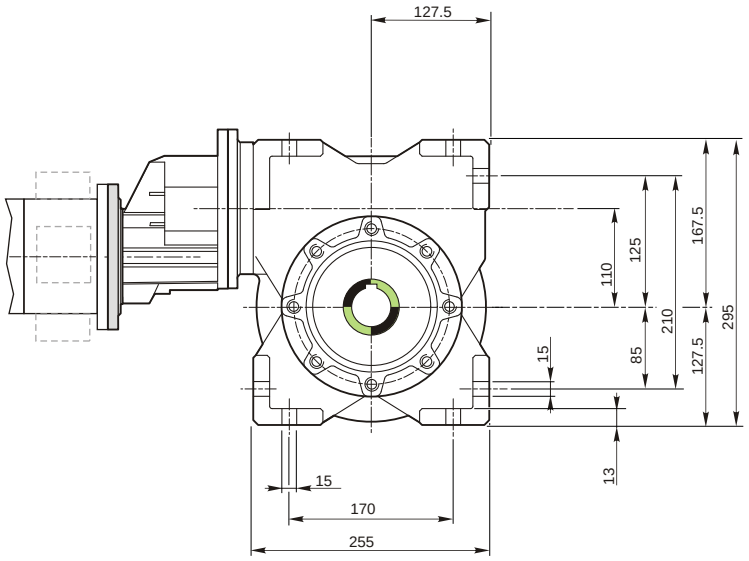
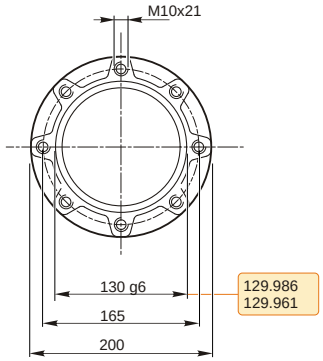
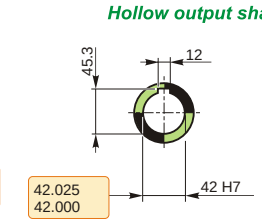




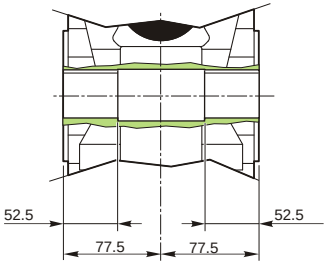


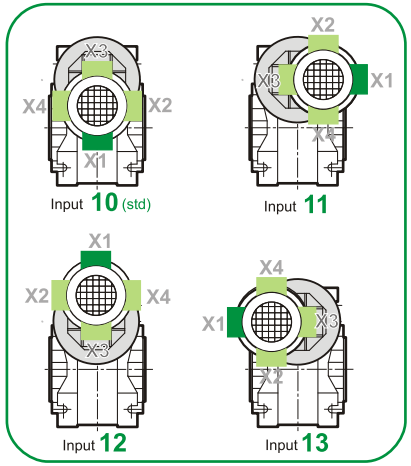




129.986
129.961

42.025
42.000





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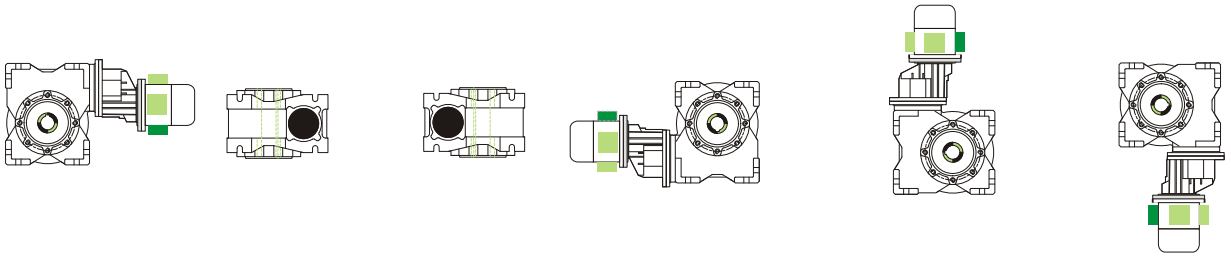
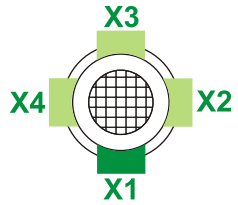
Mounting positions

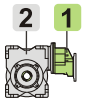
B3 B6 B7 B8 V5 V6



Terminal box position



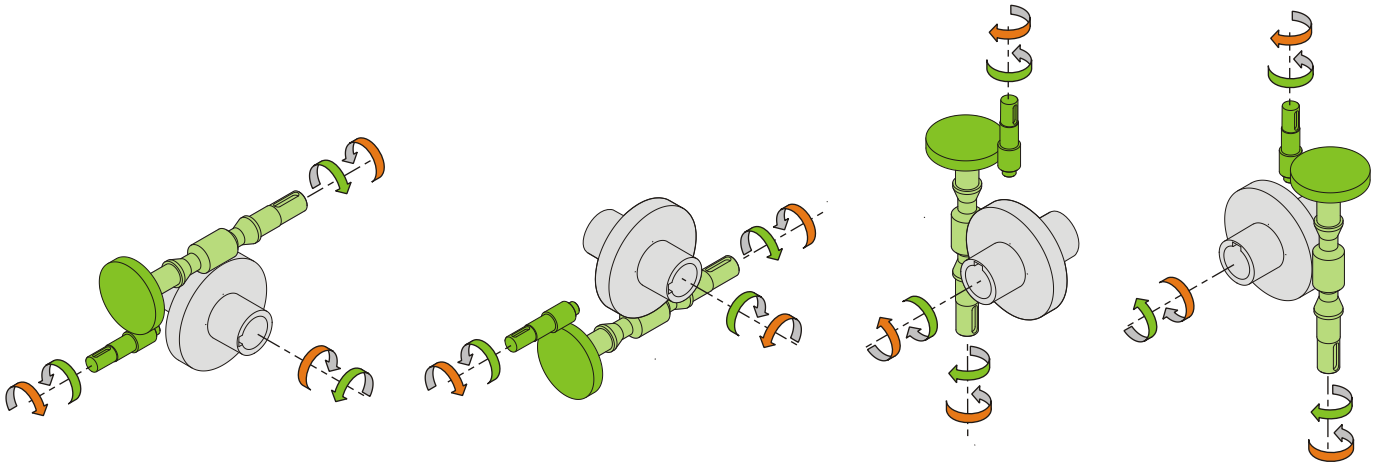
0.2	1
1.5	2



Oil quantity [litres]

Lubricant type: Long life synthetic oil ISO VG320

Direction of rotation



Weight

Gear unit [kg]	46
Electric motor [kg]	13.5

Gearing data

Axial module	6.1
Number of starts	4
Lead angle	6° 22'
Pressure angle	20°

Backdriving

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

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