Input data

System of measurement		Metric
Input type		Gear motor
Input speed	[rpm]	1400
Output speed	[rpm]	1.79
Ratio (i=)		784
Frequency	[Hz]	50
Input options		IEC
Requested input power	[kW]	0.75
Service factor		0.8
Rated Power P1	[kW]	0.58

Output data

Gear unit		**M RT/RT 50/110 B3 21 784 80 B14 AC 42 MT 0.75 kW 80 B4 B14 X3**
Type		RT/RT - Worm speed reducers
Input type		M
Size		50/110
Ratio (i=)		784
Gearbox ratio		28.00
Pre-stage ratio		28.00
Input flange		B14
Input speed	[rpm]	1400
Output speed	[rpm]	1.79
Rated output torque	[Nm]	1684.62
Service Factor		0.8
Efficiency		0.42

Gear unit configuration

Output shaft		Hollow output shaft
Fixing		Universal
Version		B3
Attachment position		21

Output radial and axial loads

Ball bearings output radial load	[N]	9800
Taper bearings output radial load	[N]	11100
Ball bearings output axial load	[N]	1960
Taper bearings output axial load	[N]	2220

Accessories

Hollow output shaft		AC 42

Electric motor

Size		80 B4
Poles		4
Power	[kW]	0.75

Electric motor configuration

Motor flange		B14
Terminal box position		X3

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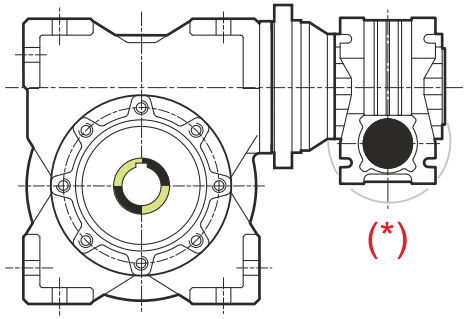
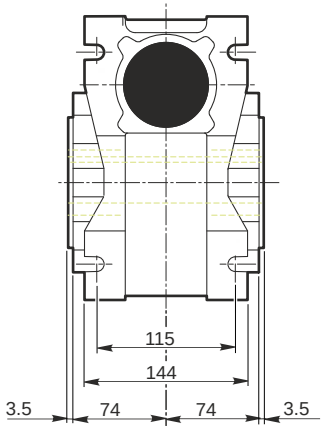
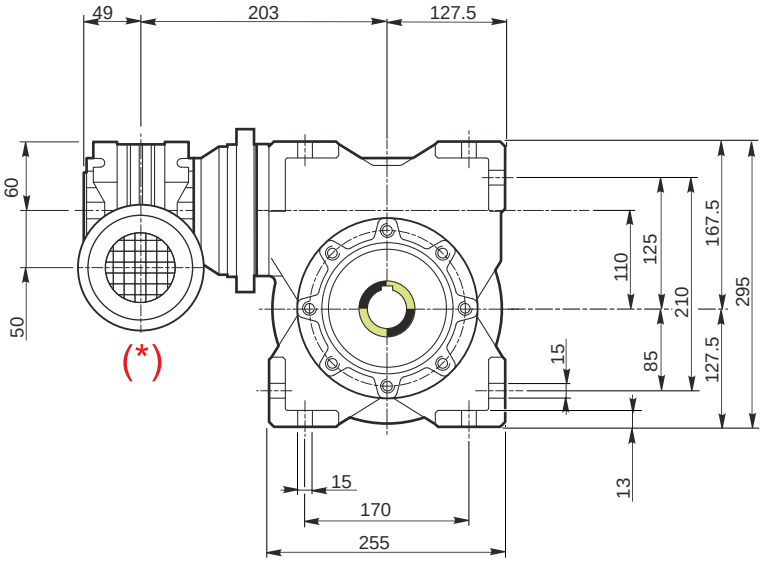
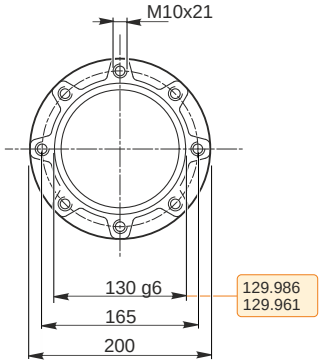
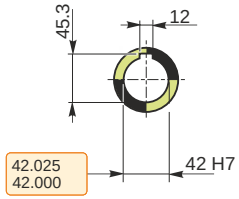


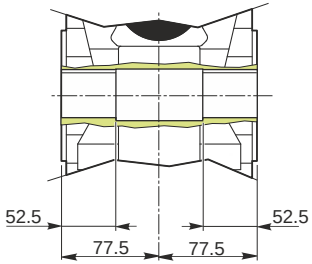


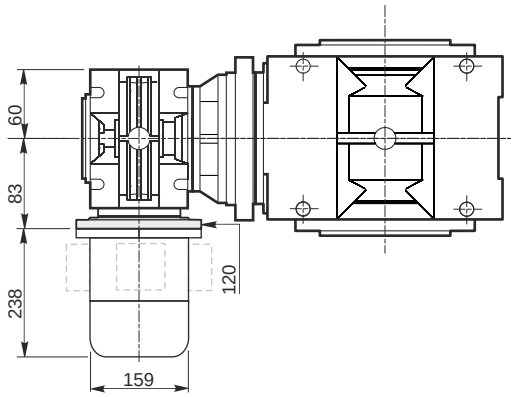




Hollow output shaft







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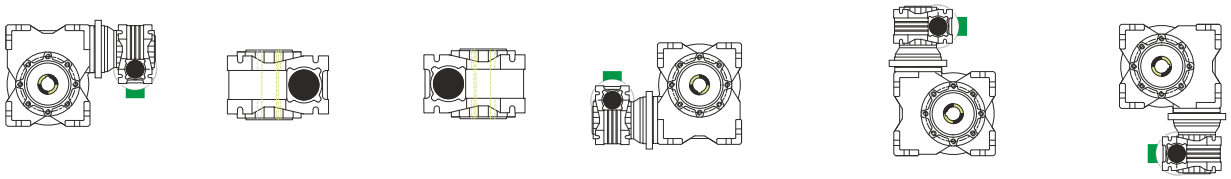
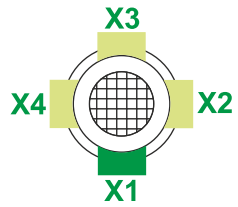
Mounting positions

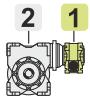
B3 B6 B7 B8 V5 V6



Terminal box position



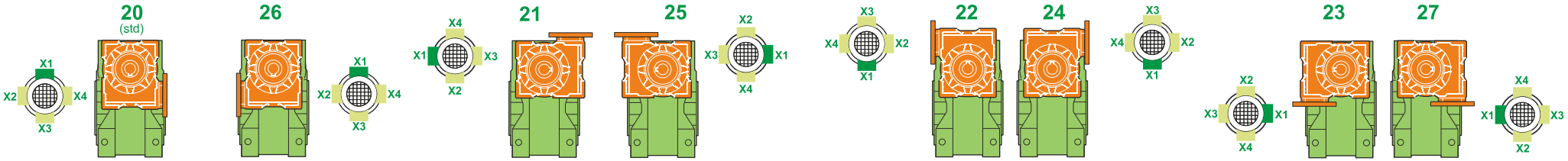
0.13	1
1.5	2



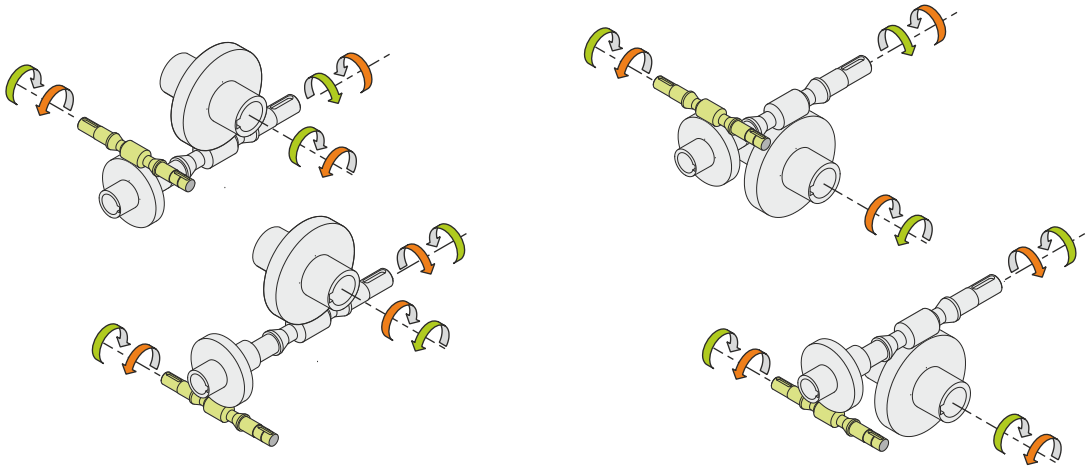
Oil quantity [litres]

Lubricant type: Long life synthetic oil ISO VG320

Attachment position



Direction of rotation



Weight

Gear unit [kg]	45
Electric motor [kg]	9.8

Gearing data

Axial module	6.1
Number of starts	1
Lead angle	7° 04’
Pressure angle	20°

Backdriving

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

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