

Input data

System of measurement		Metric
Input type		Gear motor
Input speed	[rpm]	1400
Output speed	[rpm]	1.25
Ratio (i=)		1120
Frequency	[Hz]	50
Input options		IEC
Requested input power	[kW]	0.55
Service factor		0.8
Rated Power P1	[kW]	0.45

Output data

Gear unit	M RT/RT 50/110 B3 21 1120 80 B14 AC 42 MT 0.55 kW 80 A4 B14 X3
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Type		RT/RT - Worm speed reducers
Input type		M
Size		50/110
Ratio (i=)		1120
Gearbox ratio		28.00
Pre-stage ratio		40.00
Input flange		B14
Input speed	[rpm]	1400
Output speed	[rpm]	1.25
Rated output torque	[Nm]	1554.74
Service Factor		0.8
Efficiency		0.37

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

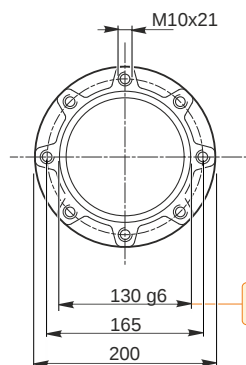
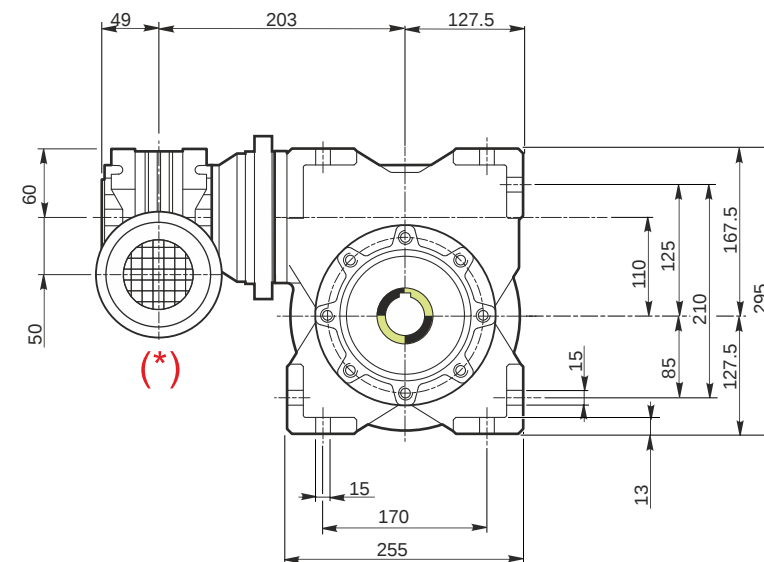
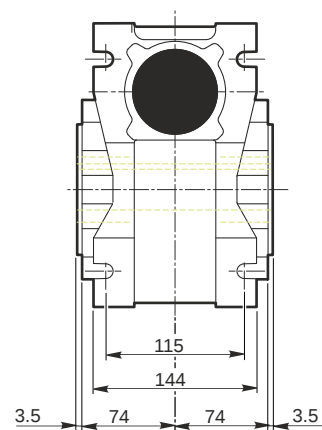
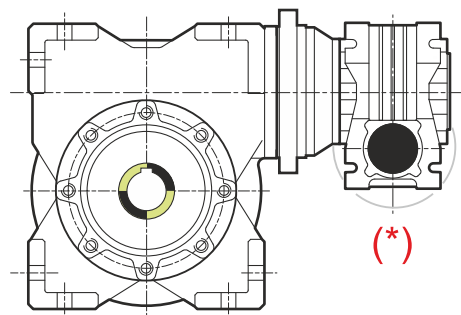
Hollow output shaft		AC 42
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Electric motor

Size		80 A4
Poles		4
Power	[kW]	0.55

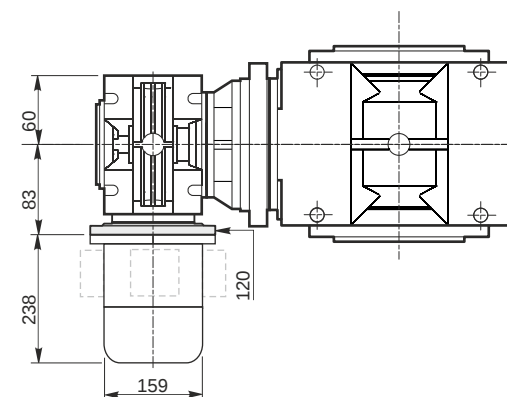
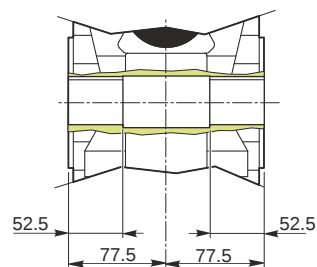
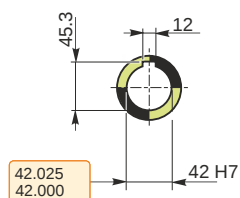
Electric motor configuration

Motor flange		B14
Terminal box position		X3



129.986
129.961

Hollow output shaft



Mounting positions

B3

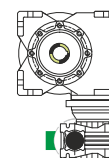
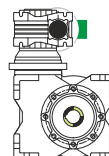
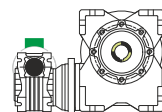
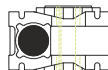
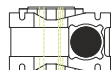
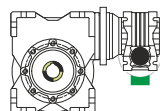
B6

B7

B8

V5

V6



Terminal box position



0.13

1

2

1

1.5

2



Oil quantity [litres]

Lubricant type: Long life synthetic oil ISO VG320

Attachment position

20

(std)

26

21

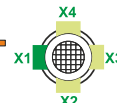
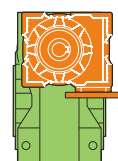
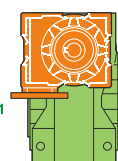
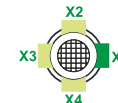
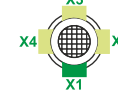
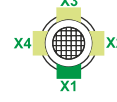
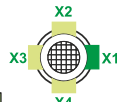
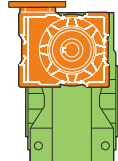
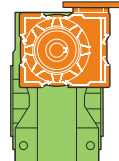
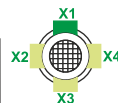
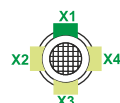
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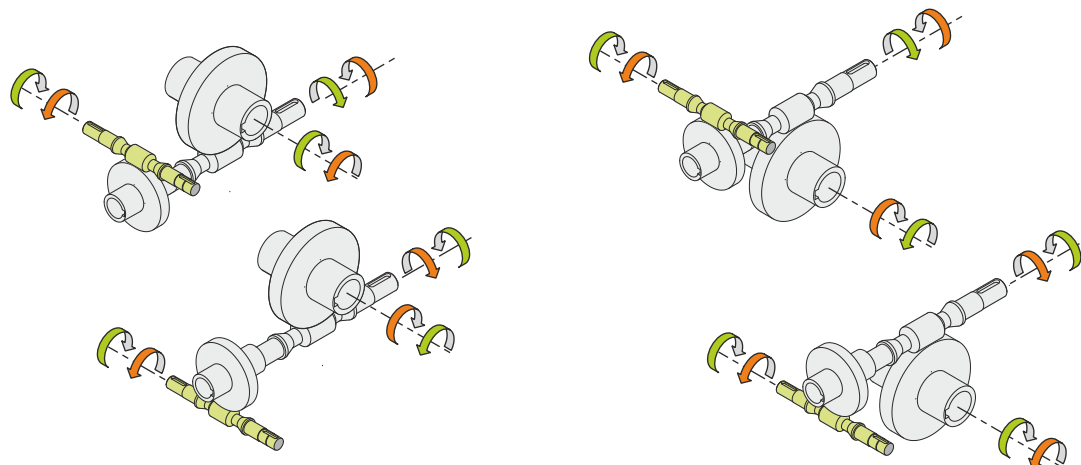
24

23

27



Direction of rotation



Weight

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

Gearing data

2	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

M RT/RT 50/110 B3 21 1120 80 B14 AC 42 MT 0.55 kW 80 A4 B14 X3