

Input data

System of measurement		Metric
Input type		Gear motor
Input speed	[rpm]	1400
Output speed	[rpm]	0.18
Ratio (i=)		8000
Frequency	[Hz]	50
Input options		IEC
Requested input power	[kW]	0.13
Service factor		0.6
Rated Power P1	[kW]	0.08

Warning! The torque generated by the selected motor is above the gearbox rated output torque; please refer to the gearbox rated output torque.

Output data

Gear unit	M RT/RT 50/110 B3 21 8000 63 B5 AC 42 MT 0.13 kW 63 A4 B5 X3
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Type		RT/RT - Worm speed reducers
Input type		M
Size		50/110
Ratio (i=)		8000
Gearbox ratio		80.00
Pre-stage ratio		100.00
Input flange		B5
Input speed	[rpm]	1400
Output speed	[rpm]	0.18
Rated output torque	[Nm]	810
Service Factor		0.6
Efficiency		0.18

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

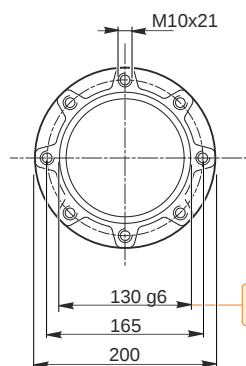
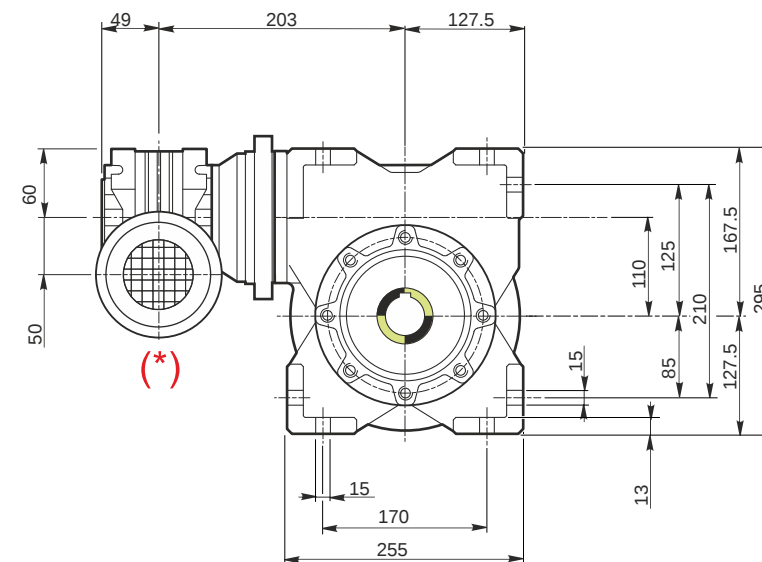
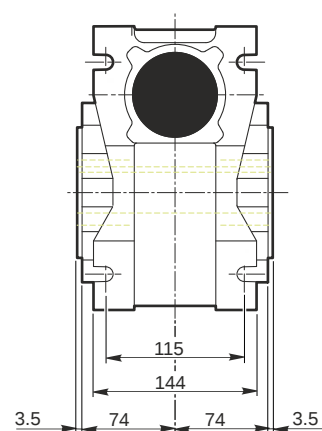
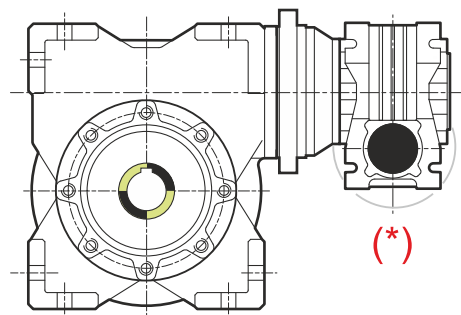
Hollow output shaft		AC 42
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Electric motor

Size		63 A4
Poles		4
Power	[kW]	0.13

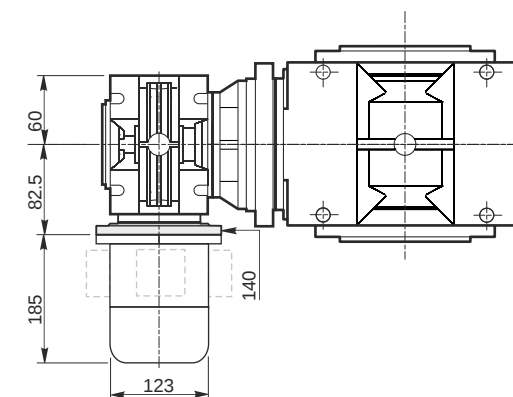
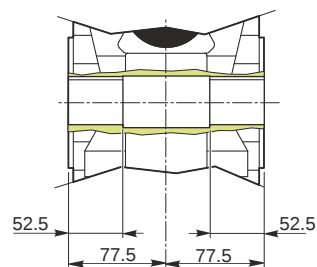
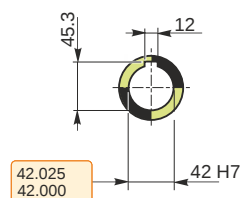
Electric motor configuration

Motor flange		B5
Terminal box position		X3



129.986
129.961

Hollow output shaft



Mounting positions

B3

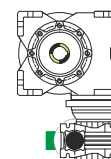
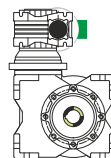
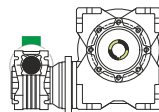
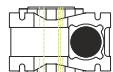
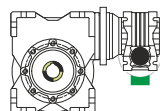
B6

B7

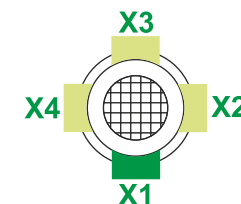
B8

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

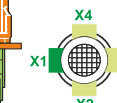
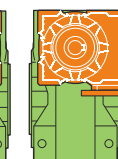
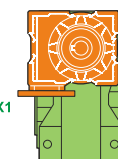
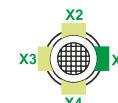
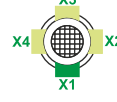
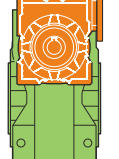
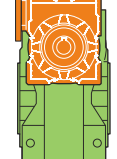
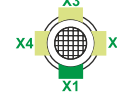
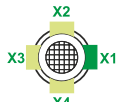
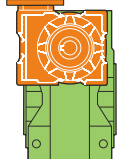
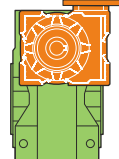
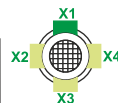
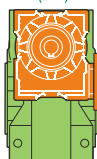
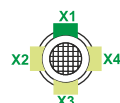
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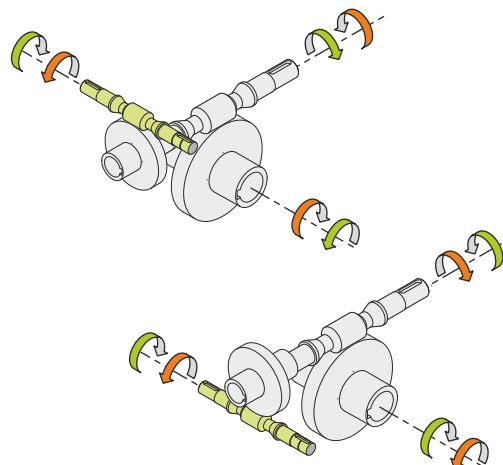
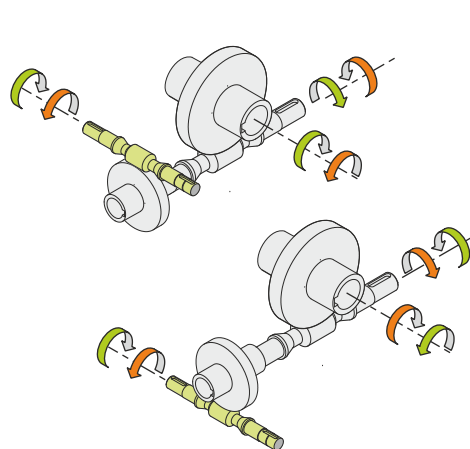
24

23

27



Direction of rotation



Weight

Gear unit [kg]	45
Electric motor [kg]	4.3

Gearing data

2	Axial module	2.3
	Number of starts	1
	Lead angle	3° 39'
	Pressure angle	20°

Backdriving

Static self-locking
No back-driving
No dynamic back-driving

M RT/RT 50/110 B3 21 8000 63 B5 AC 42 MT 0.13 kW 63 A4 B5 X3