

Input data

System of measurement		Metric
Input type		Gear motor
Input speed	[rpm]	1400
Output speed	[rpm]	3.33
Ratio (i=)		420
Frequency	[Hz]	50
Input options		IEC
Requested input power	[kW]	0.13
Service factor		1
Rated Power P1	[kW]	0.13

Output data

Gear unit	M RT/RT 28/50 B3 21 420 63 B14 AC 24 MT 0.13 kW 63 A4 B14 X3
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Type		RT/RT - Worm speed reducers
Input type		M
Size		28/50
Ratio (i=)		420
Gearbox ratio		28.00
Pre-stage ratio		15.00
Input flange		B14
Input speed	[rpm]	1400
Output speed	[rpm]	3.33
Rated output torque	[Nm]	145.26
Service Factor		1
Efficiency		0.39

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]	3200
Taper bearings output radial load	[N]	4200
Ball bearings output axial load	[N]	640
Taper bearings output axial load	[N]	840

Accessories

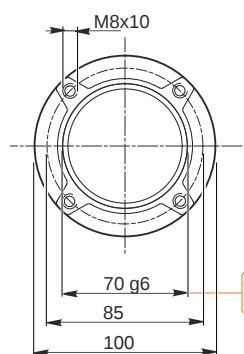
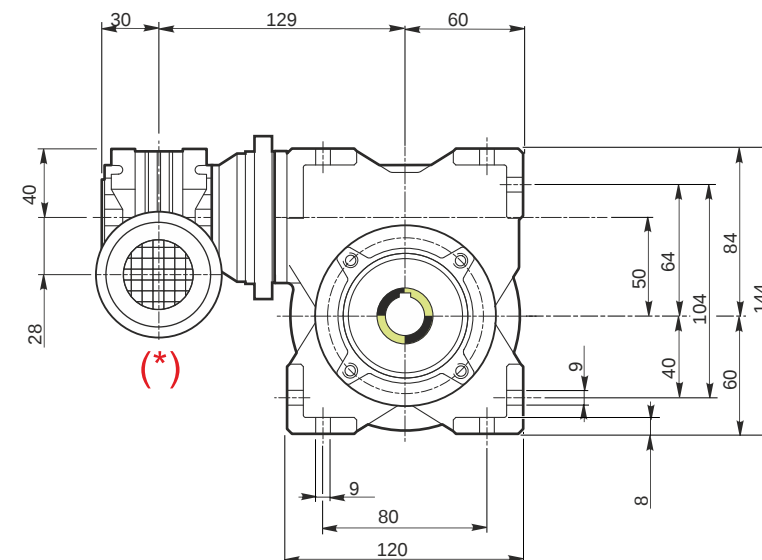
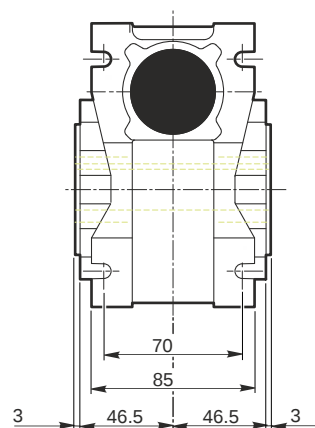
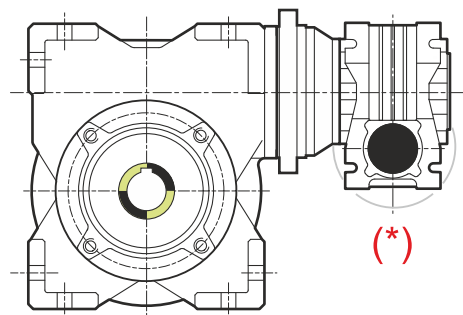
Hollow output shaft		AC 24
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Electric motor

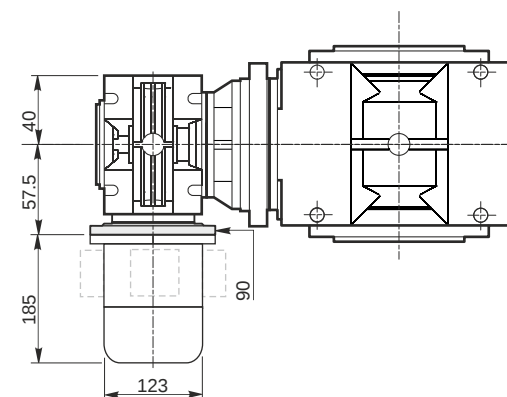
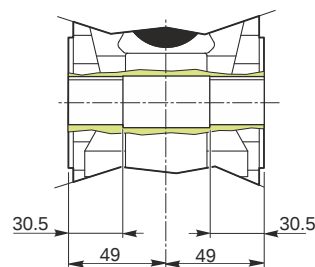
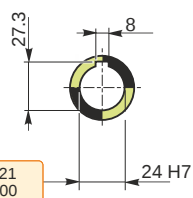
Size		63 A4
Poles		4
Power	[kW]	0.13

Electric motor configuration

Motor flange		B14
Terminal box position		X3



Hollow output shaft



Mounting positions

B3

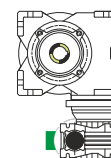
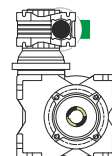
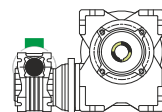
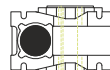
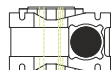
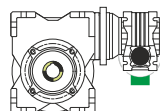
B6

B7

B8

V5

V6



Terminal box position



0.03

1

2

1

0.13

2

1

1

Oil quantity [litres]

Lubricant type: Long life synthetic oil ISO VG320

Attachment position

20

(std)

26

21

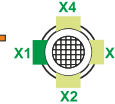
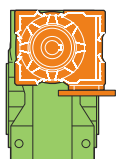
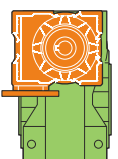
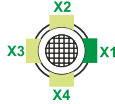
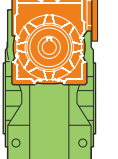
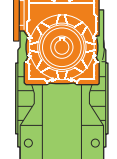
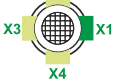
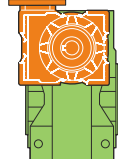
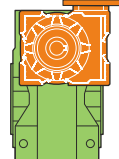
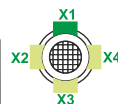
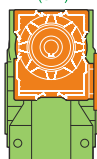
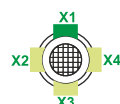
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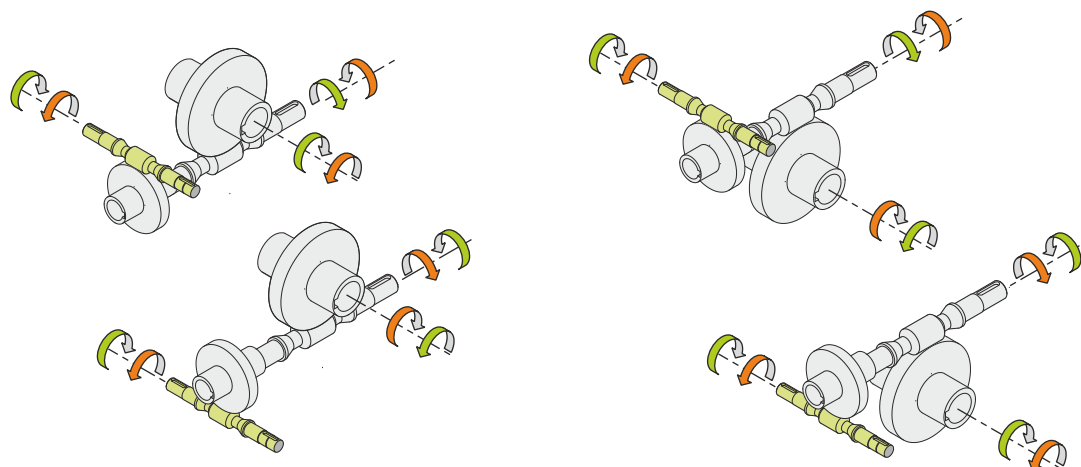
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23

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Direction of rotation



Weight

Gear unit [kg]	5.2
Electric motor [kg]	4.3

Gearing data

2	Axial module	2.7
	Number of starts	1
	Lead angle	6° 19'
	Pressure angle	20°

Backdriving

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

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