

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]	0.25
Service factor		0.9
Rated Power P1	[kW]	0.08

Output data

Gear unit	M RT/RT 40/85 B3 21 1120 71 B14 AC 32 MT 0.25 kW 71 A4 B14 X3
------------------	--

Type		RT/RT - Worm speed reducers
Input type		M
Size		40/85
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]	668.5
Service Factor		0.9
Efficiency		0.35

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]	8300
Taper bearings output radial load	[N]	9400
Ball bearings output axial load	[N]	1660
Taper bearings output axial load	[N]	1880

Accessories

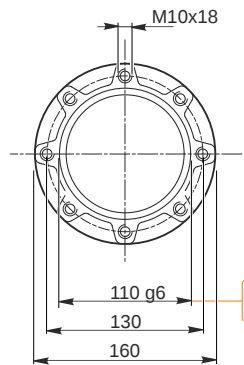
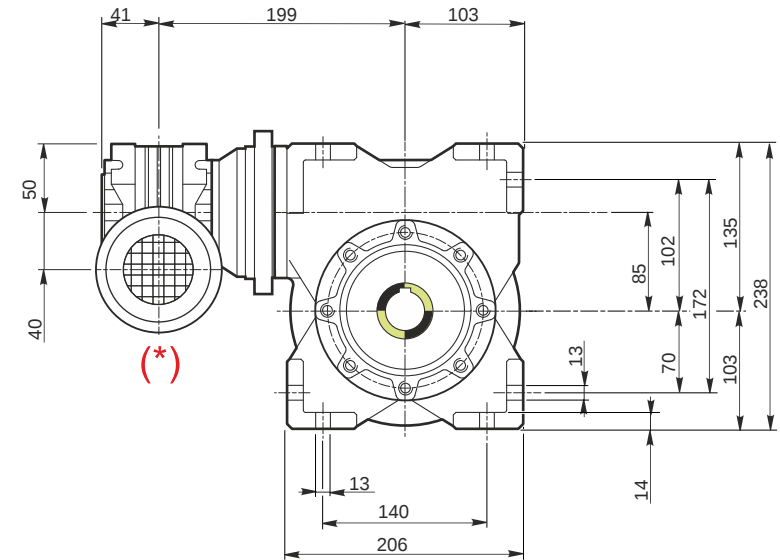
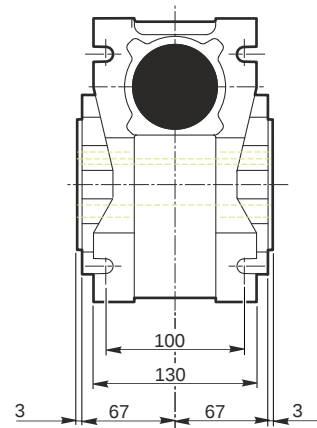
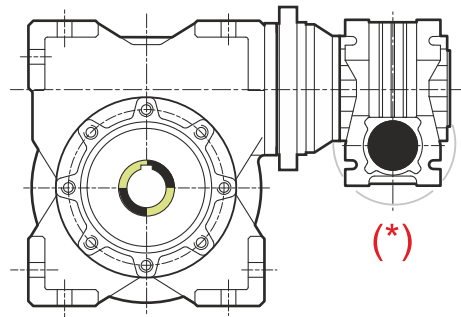
Hollow output shaft		AC 32
---------------------	--	-------

Electric motor

Size		71 A4
Poles		4
Power	[kW]	0.25

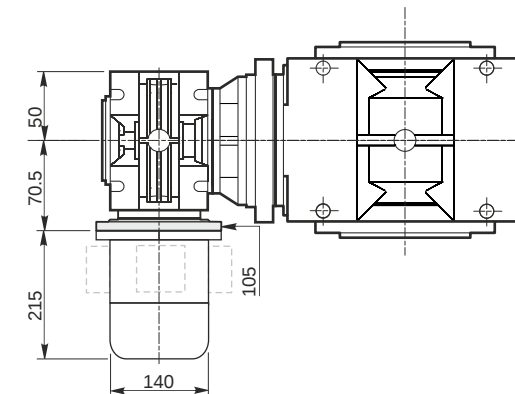
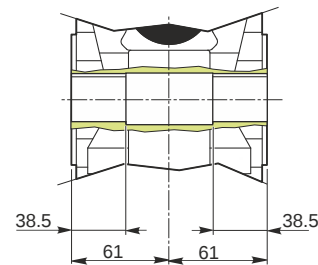
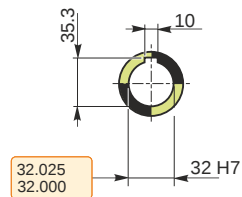
Electric motor configuration

Motor flange		B14
Terminal box position		X3



109.988
109.966

Hollow output shaft



Mounting positions

B3

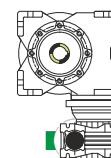
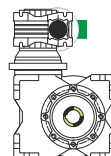
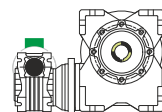
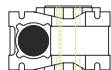
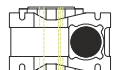
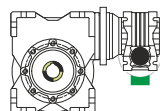
B6

B7

B8

V5

V6



Terminal box position



0.08

1

2

1

0.6

2

1

1

Oil quantity [litres]

Lubricant type: Long life synthetic oil ISO VG320

Attachment position

20

(std)

26

21

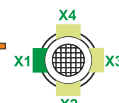
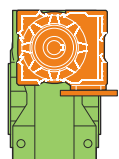
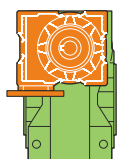
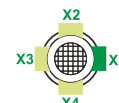
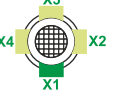
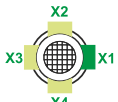
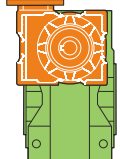
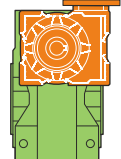
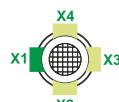
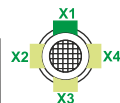
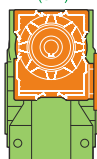
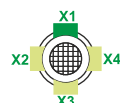
25

22

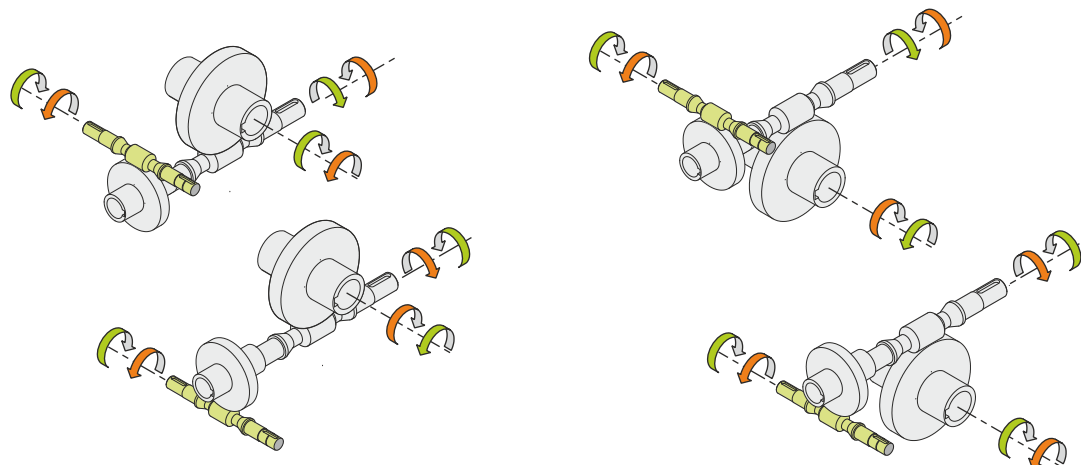
24

23

27



Direction of rotation



Weight

Gear unit [kg]	16.5
Electric motor [kg]	6.2

Gearing data

2	Axial module	4.7
	Number of starts	1
	Lead angle	6° 58'
	Pressure angle	20°

Backdriving

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

M RT/RT 40/85 B3 21 1120 71 B14 AC 32 MT 0.25 kW 71 A4 B14 X3