

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]	0.18
Service factor		0.9
Rated Power P1	[kW]	0.16

Output data

Gear unit	M RT/RT 28/60 B3 21 420 63 B14 AC 25 MT 0.18 kW 63 B4 B14 X3
------------------	---

Type		RT/RT - Worm speed reducers
Input type		M
Size		28/60
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]	216.59
Service Factor		0.9
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]	5600
Taper bearings output radial load	[N]	6600
Ball bearings output axial load	[N]	1120
Taper bearings output axial load	[N]	1320

Accessories

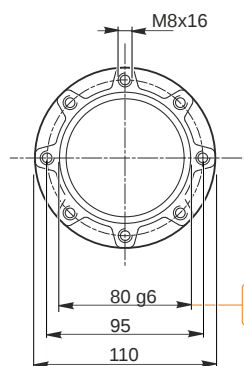
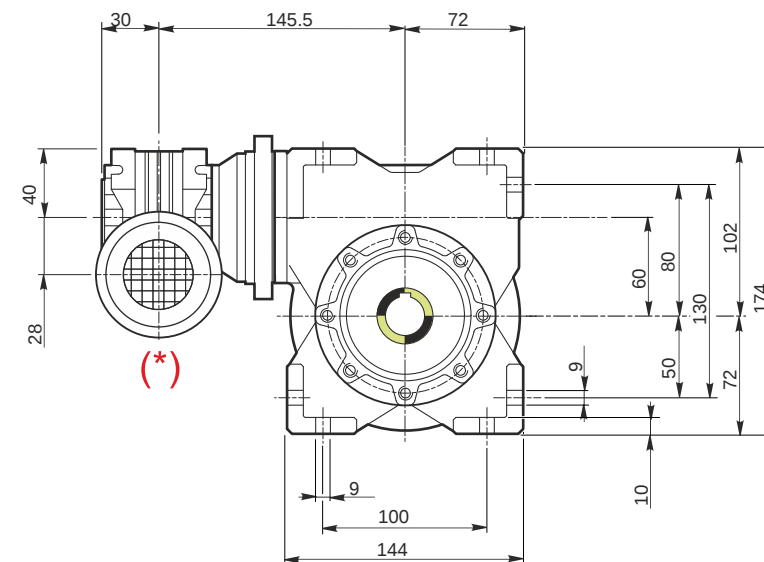
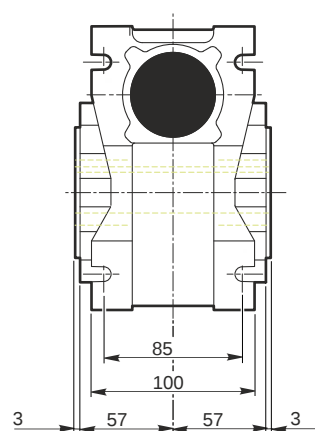
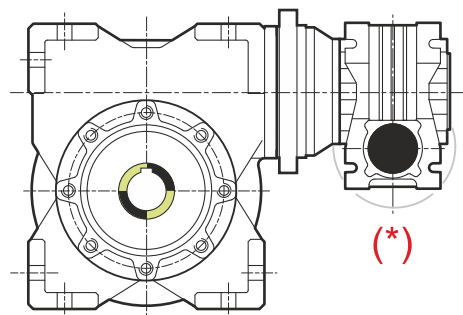
Hollow output shaft		AC 25
---------------------	--	-------

Electric motor

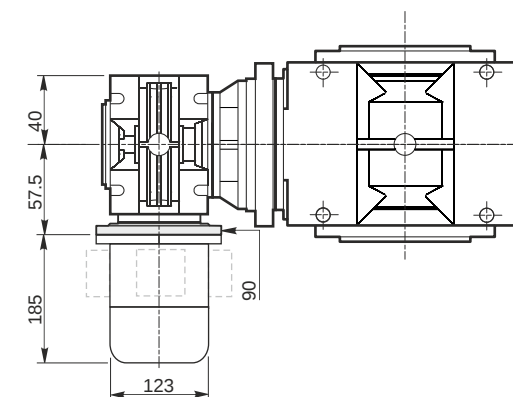
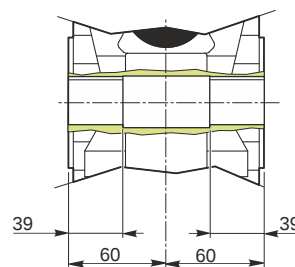
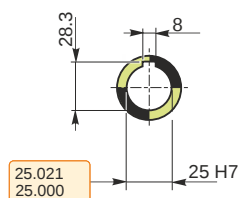
Size		63 B4
Poles		4
Power	[kW]	0.18

Electric motor configuration

Motor flange		B14
Terminal box position		X3



Hollow output shaft



Mounting positions

B3

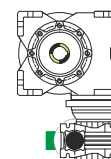
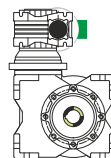
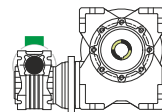
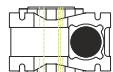
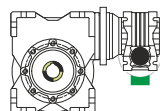
B6

B7

B8

V5

V6



Terminal box position



0.03

1

2

1

0.23

2

2

1

Oil quantity [litres]

Lubricant type: Long life synthetic oil ISO VG320

Attachment position

20

(std)

26

21

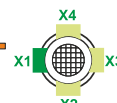
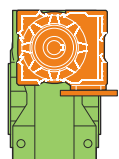
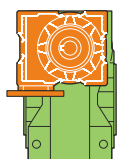
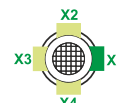
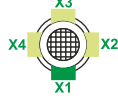
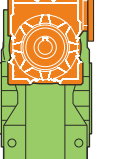
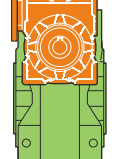
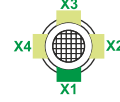
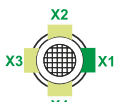
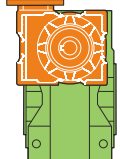
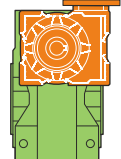
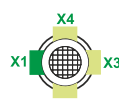
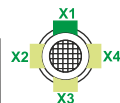
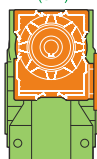
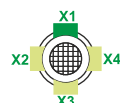
25

22

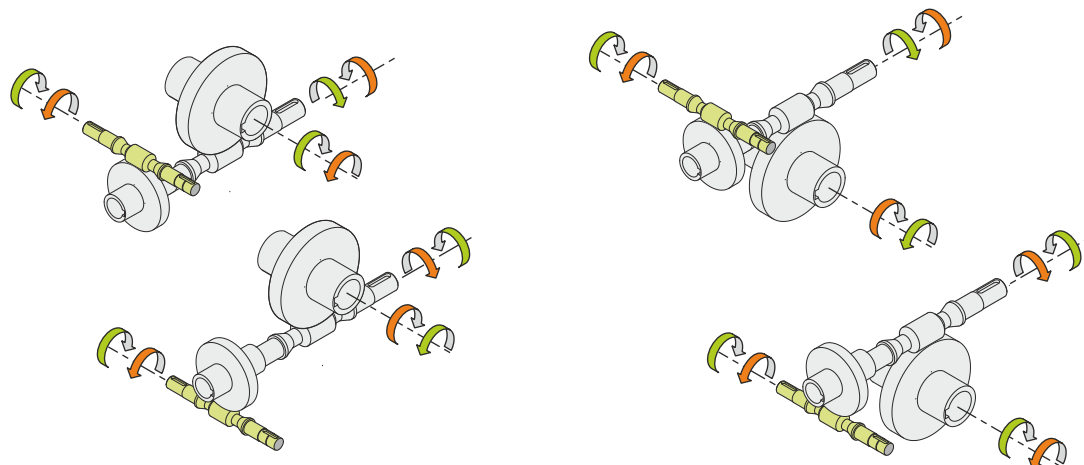
24

23

27



Direction of rotation



Weight

Gear unit [kg]	7.9
Electric motor [kg]	4.3

Gearing data

2	Axial module	3.3
	Number of starts	1
	Lead angle	6° 49'
	Pressure angle	20°

Backdriving

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

M RT/RT 28/60 B3 21 420 63 B14 AC 25 MT 0.18 kW 63 B4 B14 X3