

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]	0.09
Service factor		0.8
Rated Power P1	[kW]	0.08

Output data

Gear unit	M RT/RT 28/40 B3 21 420 56 B14 AC 19 MT 0.09 kW 56 B4 B14 X3
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Type		RT/RT - Worm speed reducers
Input type		M
Size		28/40
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]	100.56
Service Factor		0.8
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]	2300
Taper bearings output radial load	[N]	2600
Ball bearings output axial load	[N]	460
Taper bearings output axial load	[N]	520

Accessories

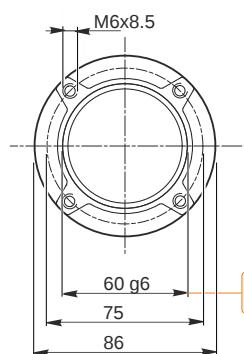
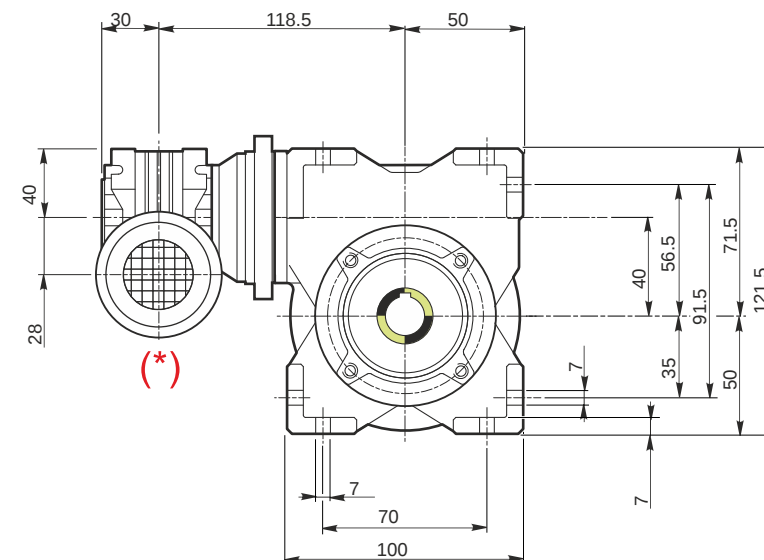
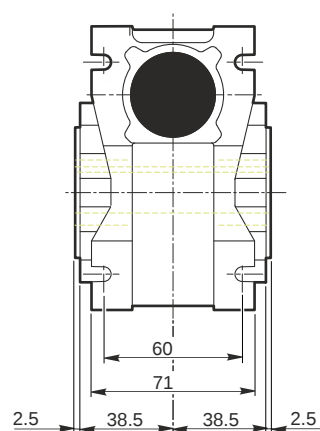
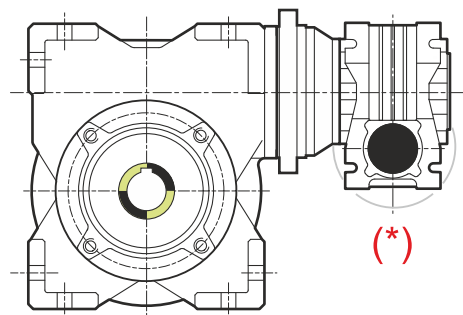
Hollow output shaft		AC 19
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Electric motor

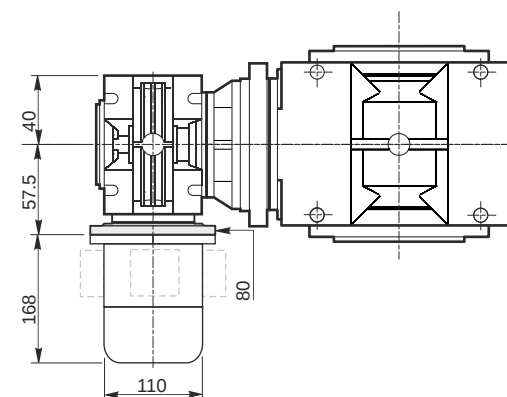
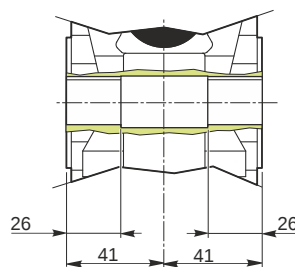
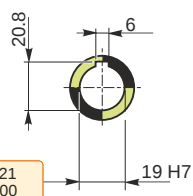
Size		56 B4
Poles		4
Power	[kW]	0.09

Electric motor configuration

Motor flange		B14
Terminal box position		X3



Hollow output shaft



M RT/RT 28/40 B3 21 420 56 B14 AC 19 MT 0.09 kW 56 B4 B14 X3

Mounting positions

B3

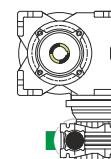
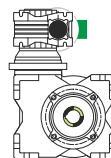
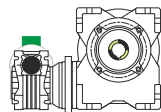
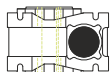
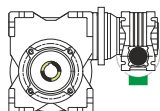
B6

B7

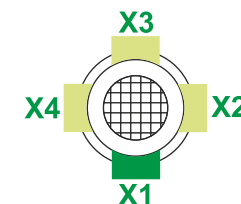
B8

V5

V6



Terminal box position



0.03

1

2

1

0.08

2

1

Oil quantity [litres]

Lubricant type: Long life synthetic oil ISO VG320

Attachment position

20

(std)

26

21

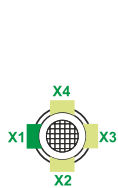
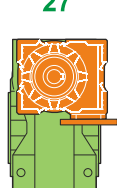
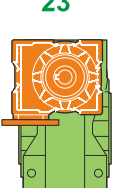
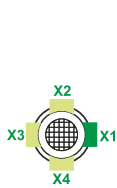
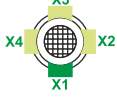
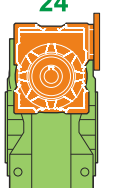
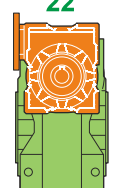
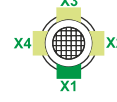
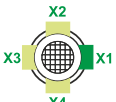
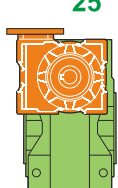
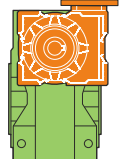
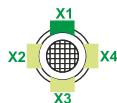
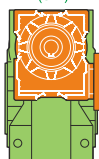
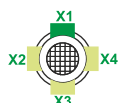
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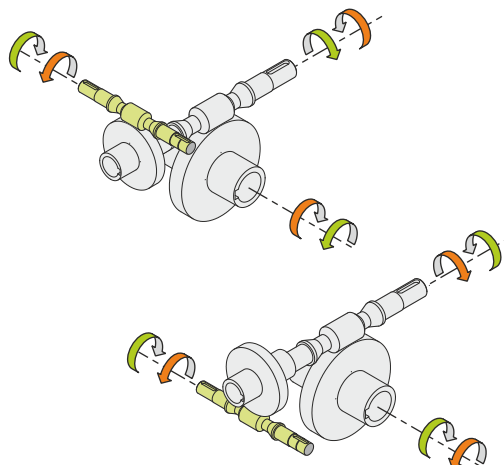
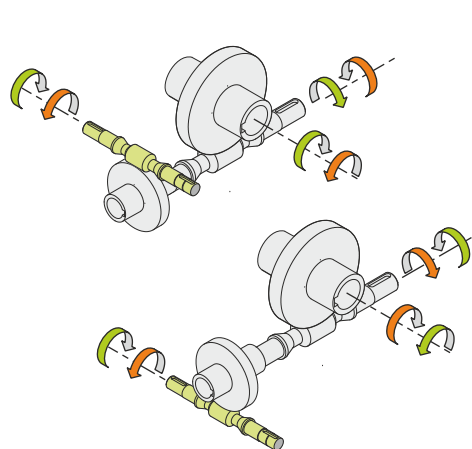
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23

27



Direction of rotation



Weight

Gear unit [kg]	3.9
Electric motor [kg]	2.6

Gearing data

2	Axial module	2.1
	Number of starts	1
	Lead angle	5° 39'
	Pressure angle	20°

Backdriving

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

M RT/RT 28/40 B3 21 420 56 B14 AC 19 MT 0.09 kW 56 B4 B14 X3