

Input data

System of measurement		Metric
Input type		Gear motor
Input speed	[rpm]	1400
Output speed	[rpm]	3.22
Ratio (i=)		435.12
Frequency	[Hz]	50
Input options		IEC
Requested input power	[kW]	0.09
Service factor		1
Rated Power P1	[kW]	0.09

Output data

Gear unit	M TA 63/50 B3 10 435.12 56 B14 AC 24 MT 0.09 kW 56 B4 B14 X3
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Type		TA - Worm speed reducers
Input type		M
Size		63/50
Ratio (i=)		435.12
Gearbox ratio		56.00
Pre-stage ratio		7.77
Input flange		B14
Input speed	[rpm]	1400
Output speed	[rpm]	3.22
Rated output torque	[Nm]	109.52
Service Factor		1
Efficiency		0.41
Inertia moment	[kgm ²]	0.000019

Gear unit configuration

Output shaft	Hollow output shaft
Fixing	Universal
Version	B3
Attachment position	10

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

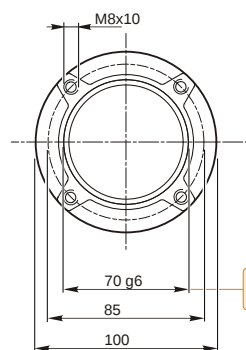
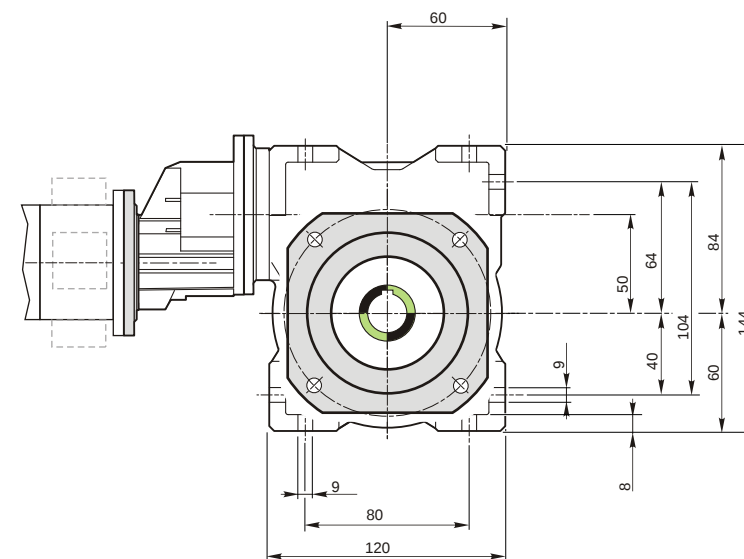
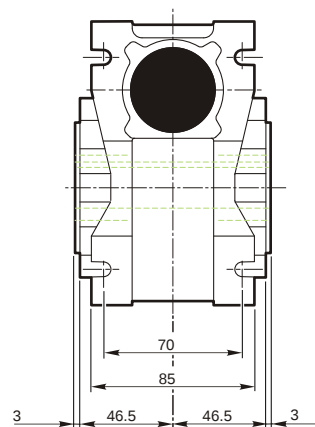
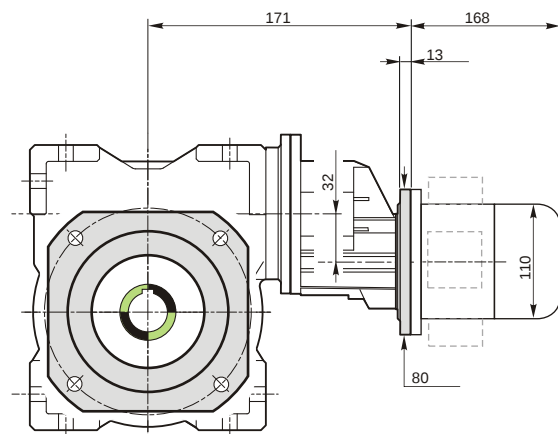
Hollow output shaft	AC 24
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Electric motor

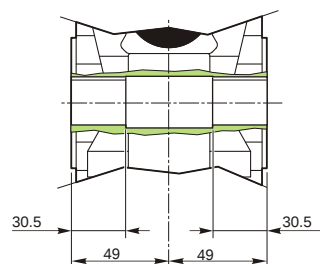
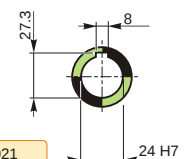
Size		56 B4
Poles		4
Power	[kW]	0.09

Electric motor configuration

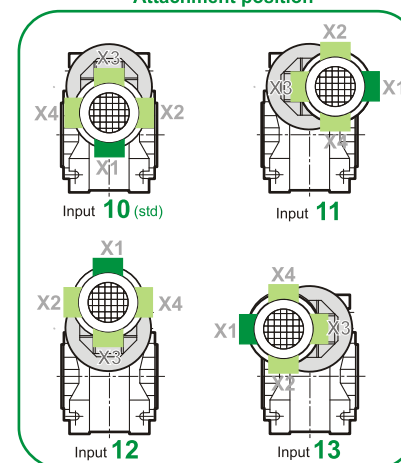
Motor flange	B14
Terminal box position	X3



Hollow output shaft



Attachment position



M TA 63/50 B3 10 435.12 56 B14 AC 24 MT 0.09 kW 56 B4 B14 X3

Mounting positions

B3

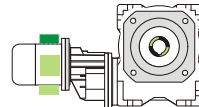
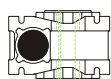
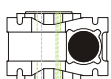
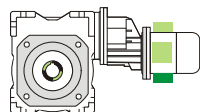
B6

B7

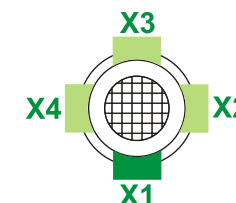
B8

V5

V6



Terminal box position



0.04

1



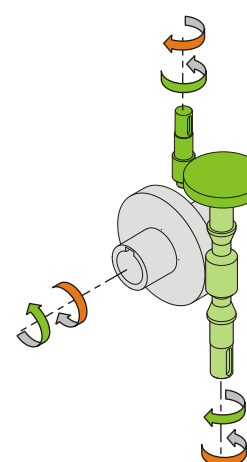
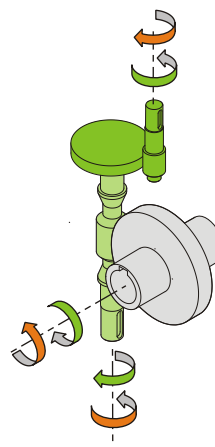
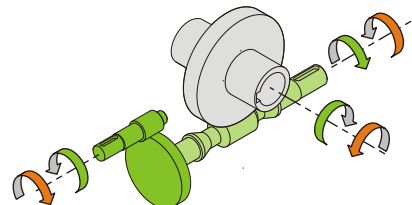
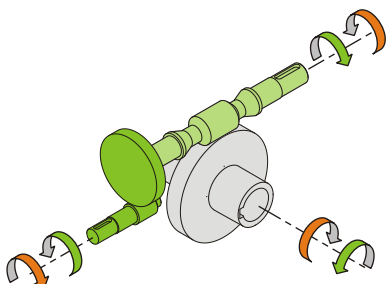
0.13

2

← Oil quantity [litres]

Lubricant type: Long life synthetic oil ISO VG320

Direction of rotation



Weight

Gear unit [kg]	5.3
Electric motor [kg]	2.6

Gearing data

Axial module	1.4
Number of starts	1
Lead angle	3° 42'
Pressure angle	20°

Backdriving

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

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