

Input data

System of measurement		Metric
Input type		Gear motor
Input speed	[rpm]	1400
Output speed	[rpm]	5.47
Ratio (i=)		256
Frequency	[Hz]	50
Input options		IEC
Requested input power	[kW]	0.55
Service factor		0.9
Rated Power P1	[kW]	0.52

Output data

Gear unit	M TA 80/85 B3 10 256 80 B14 AC 32 MT 0.55 kW 80 A4 B14 X3
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Type		TA - Worm speed reducers
Input type		M
Size		80/85
Ratio (i=)		256
Gearbox ratio		40.00
Pre-stage ratio		6.40
Input flange		B14
Input speed	[rpm]	1400
Output speed	[rpm]	5.47
Rated output torque	[Nm]	528.25
Service Factor		0.9
Efficiency		0.55
Inertia moment	[kgm ²]	0.000264

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

Accessories

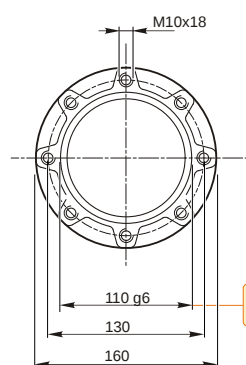
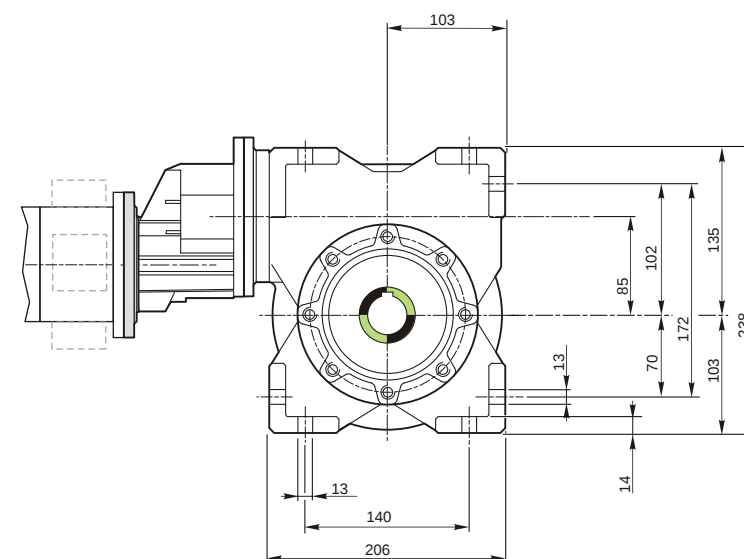
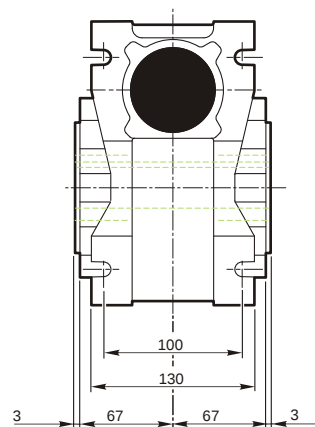
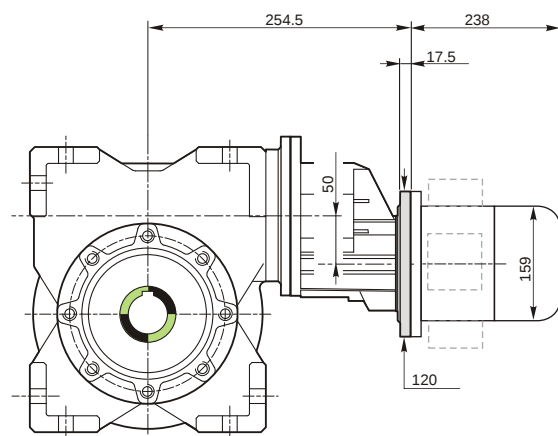
Hollow output shaft		AC 32
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Electric motor

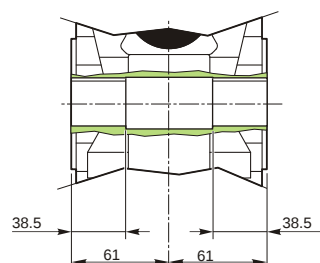
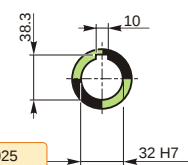
Size		80 A4
Poles		4
Power	[kW]	0.55

Electric motor configuration

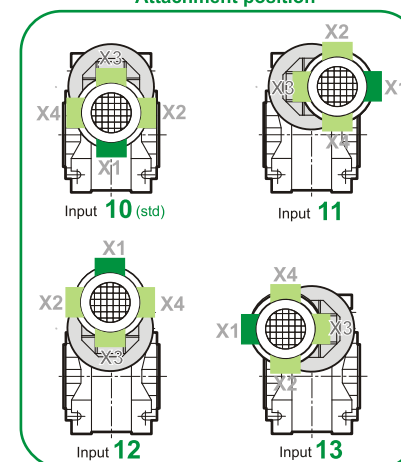
Motor flange		B14
Terminal box position		X3



Hollow output shaft



Attachment position



M TA 80/85 B3 10 256 80 B14 AC 32 MT 0.55 kW 80 A4 B14 X3

Mounting positions

B3

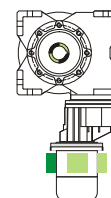
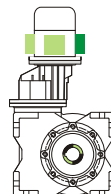
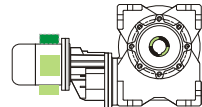
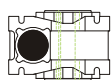
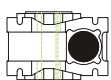
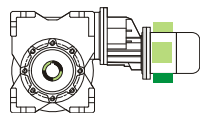
B6

B7

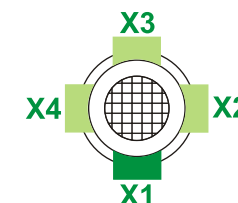
B8

V5

V6



Terminal box position



0.1

1



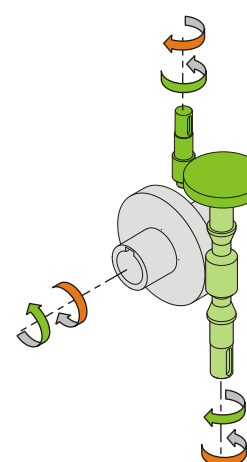
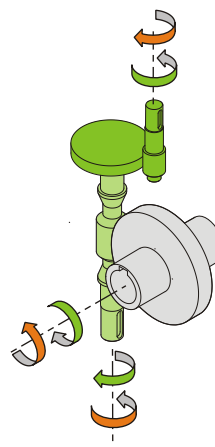
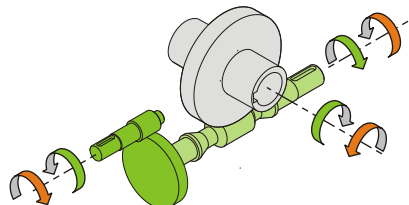
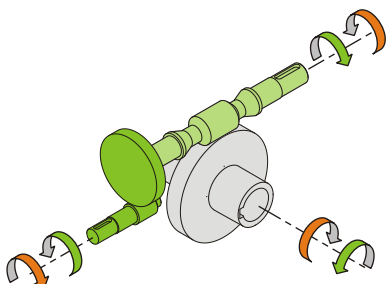
Oil quantity [litres]

0.6

2

Lubricant type: Long life synthetic oil ISO VG320

Direction of rotation



Weight

Gear unit [kg]	17.5
Electric motor [kg]	9.8

Gearing data

Axial module	3.4
Number of starts	1
Lead angle	5° 52'
Pressure angle	20°

Backdriving

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

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