

Input data

System of measurement		Metric
Input type		Gear motor
Input speed	[rpm]	1400
Output speed	[rpm]	14.66
Ratio (i=)		95.48
Frequency	[Hz]	50
Input options		IEC
Requested input power	[kW]	0.55
Service factor		1
Rated Power P1	[kW]	0.55

Output data

Gear unit	M TA 80/60 B3 10 95.48 80 B14 AC 25 MT 0.55 kW 80 A4 B14 X3
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Type		TA - Worm speed reducers
Input type		M
Size		80/60
Ratio (i=)		95.48
Gearbox ratio		28.00
Pre-stage ratio		3.41
Input flange		B14
Input speed	[rpm]	1400
Output speed	[rpm]	14.66
Rated output torque	[Nm]	218.51
Service Factor		1
Efficiency		0.61
Inertia moment	[kgm ²]	0.00038

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]	5600
Taper bearings output radial load	[N]	6600
Ball bearings output axial load	[N]	1120
Taper bearings output axial load	[N]	1320

Accessories

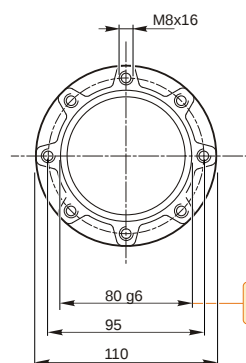
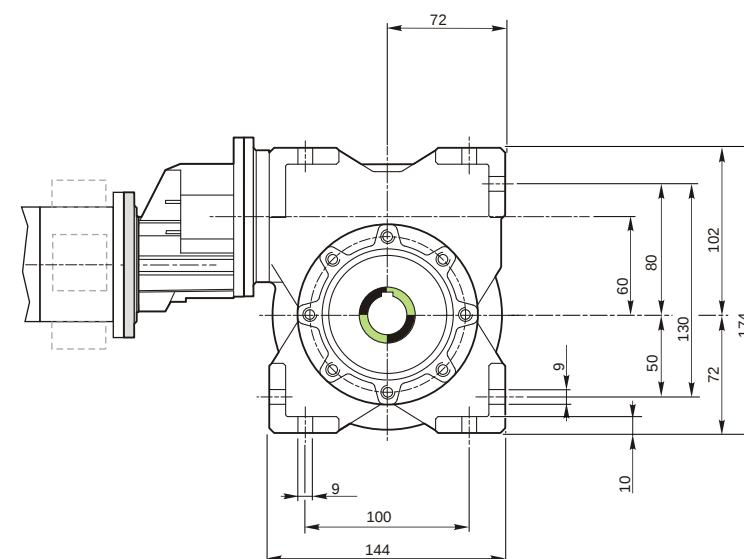
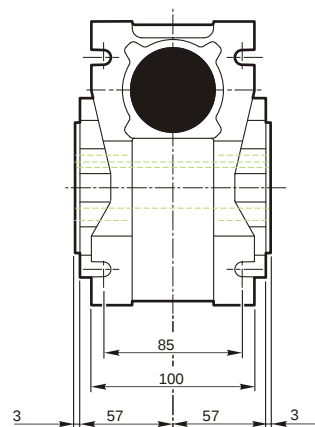
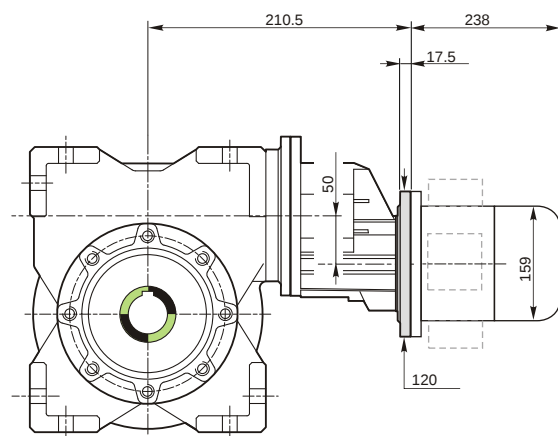
Hollow output shaft		AC 25
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Electric motor

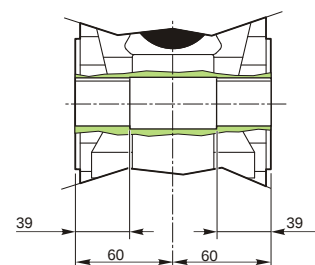
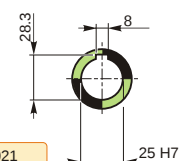
Size		80 A4
Poles		4
Power	[kW]	0.55

Electric motor configuration

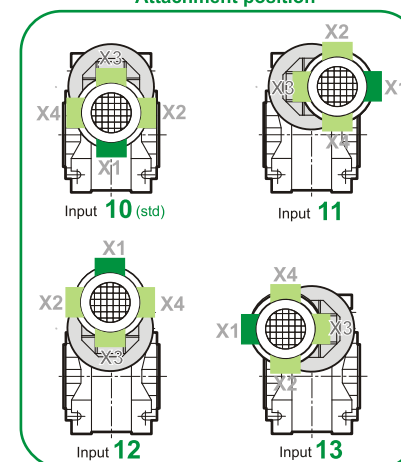
Motor flange		B14
Terminal box position		X3



Hollow output shaft



Attachment position



M TA 80/60 B3 10 95.48 80 B14 AC 25 MT 0.55 kW 80 A4 B14 X3

Mounting positions

B3

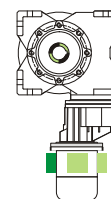
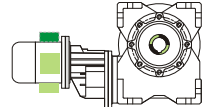
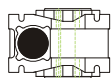
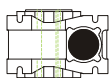
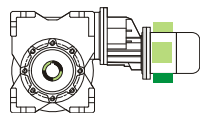
B6

B7

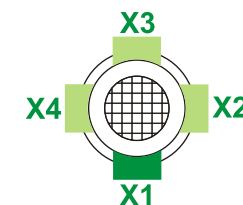
B8

V5

V6



Terminal box position



0.1

1

0.23

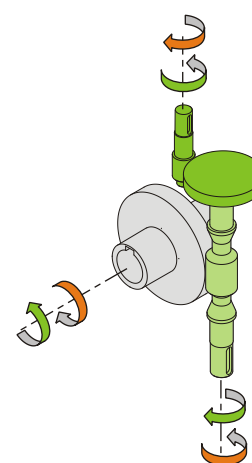
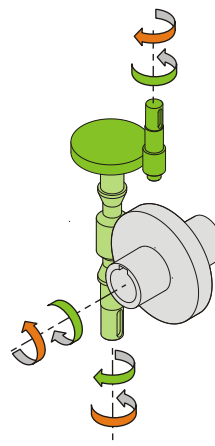
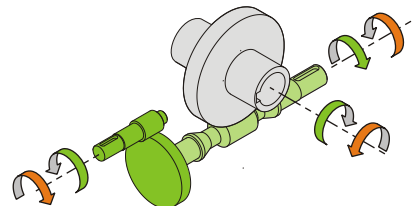
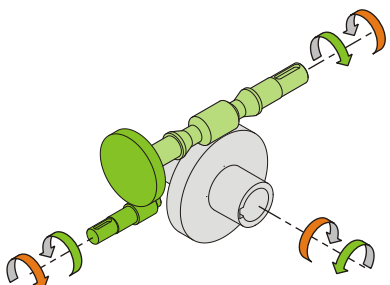
2



Oil quantity [litres]

Lubricant type: Long life synthetic oil ISO VG320

Direction of rotation



Weight

Gear unit [kg]	10.5
Electric motor [kg]	9.8

Gearing data

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

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