

Input data

System of measurement		Metric
Input type		Gear motor
Input speed	[rpm]	1400
Output speed	[rpm]	11.11
Ratio (i=)		126
Frequency	[Hz]	50
Input options		IEC
Requested input power	[kW]	1.5
Service factor		1.3
Rated Power P1	[kW]	1.88

Output data

Gear unit **M TA 100/110 B3 10 126 90 B14 AC 42 MT 1.5 kW 90 L4 B14 X3**

Type		TA - Worm speed reducers
Input type		M
Size		100/110
Ratio (i=)		126
Gearbox ratio		15.00
Pre-stage ratio		8.40
Input flange		B14
Input speed	[rpm]	1400
Output speed	[rpm]	11.11
Rated output torque	[Nm]	941.15
Service Factor		1.3
Efficiency		0.73

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]	9800
Taper bearings output radial load	[N]	11100
Ball bearings output axial load	[N]	1960
Taper bearings output axial load	[N]	2220

Accessories

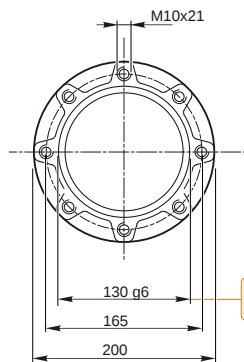
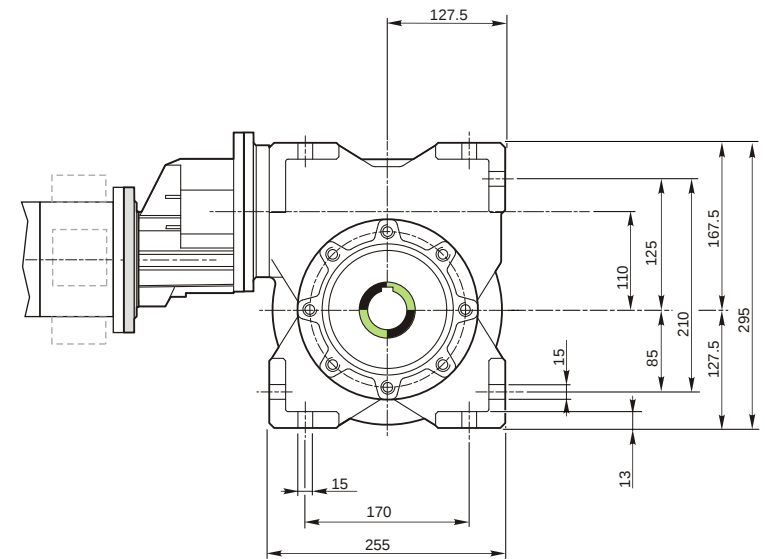
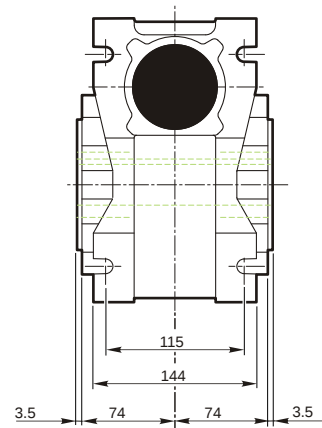
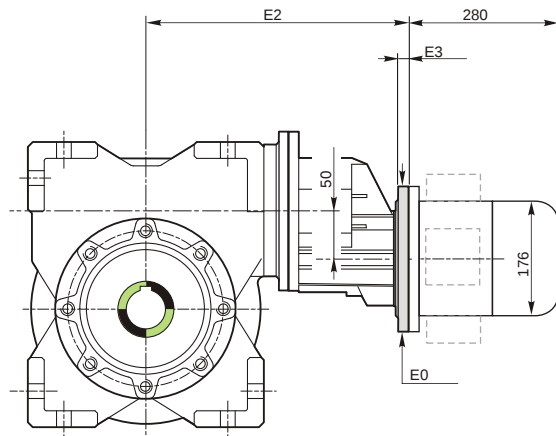
Hollow output shaft		AC 42
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Electric motor

Size		90 L4
Poles		4
Power	[kW]	1.5

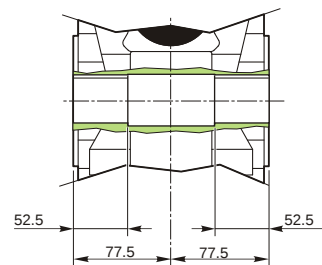
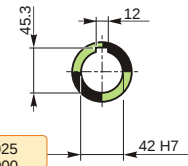
Electric motor configuration

Motor flange		B14
Terminal box position		X3

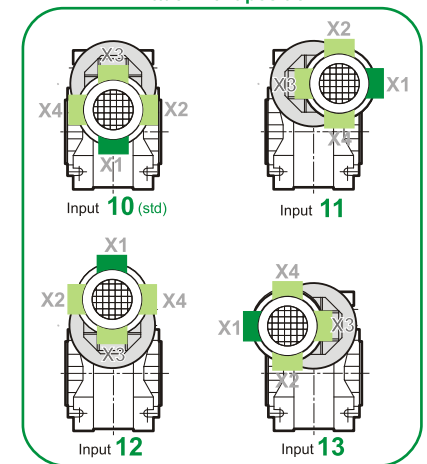


129.986
129.961

Hollow output shaft



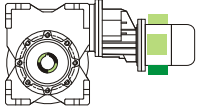
Attachment position



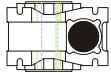
M TA 100/110 B3 10 126 90 B14 AC 42 MT 1.5 kW 90 L4 B14 X3

Mounting positions

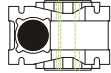
B3



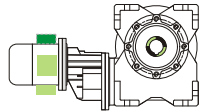
B6



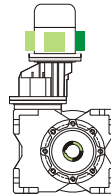
B7



B8



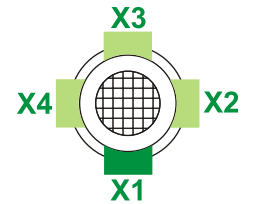
V5



V6



Terminal box position



0.2

1



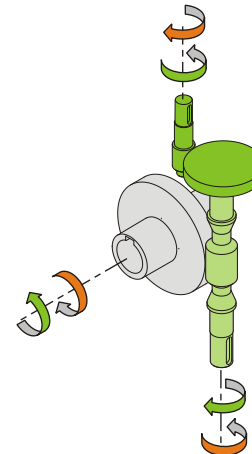
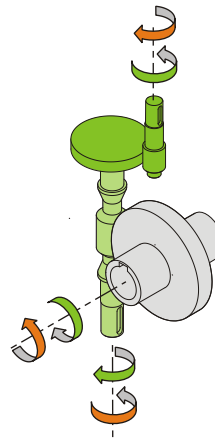
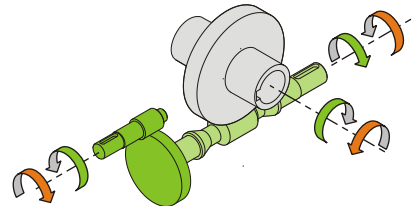
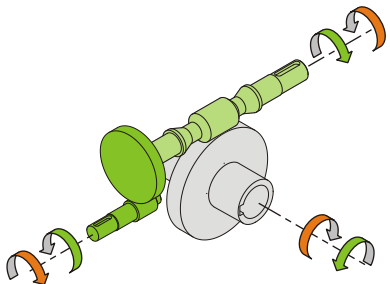
← Oil quantity [litres]

1.5

2

Lubricant type: Long life synthetic oil ISO VG320

Direction of rotation



Weight

Gear unit [kg]	46
Electric motor [kg]	13.5

Gearing data

Axial module	5.8
Number of starts	2
Lead angle	14° 09'
Pressure angle	20°

Backdriving

- Static back-driving
- Quick back-driving
- Dynamic back-driving

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