

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]	1.5
Service factor		0.9
Rated Power P1	[kW]	1.41

Output data

Gear unit	M RS/RS 60/130 S (integral) 11 420 90 B14 AC 48 MT 1.5 kW 90 L4 B14 X3 B3
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Type		RS/RS - Worm speed reducers
Input type		M
Size		60/130
Ratio (i=)		420
Gearbox ratio		28.00
Pre-stage ratio		15.00
Input flange		B14
Mounting position		B3
Input speed	[rpm]	1400
Output speed	[rpm]	3.33
Rated output torque	[Nm]	2148.75
Service Factor		0.9
Efficiency		0.5

Gear unit configuration

Output shaft		Hollow output shaft
Fixing		Feet
Version		S (integral)
Attachment position		11

Output radial and axial loads

Ball bearings output radial load	[N]	11500
Taper bearings output radial load	[N]	14500
Ball bearings output axial load	[N]	2300
Taper bearings output axial load	[N]	2900

Accessories

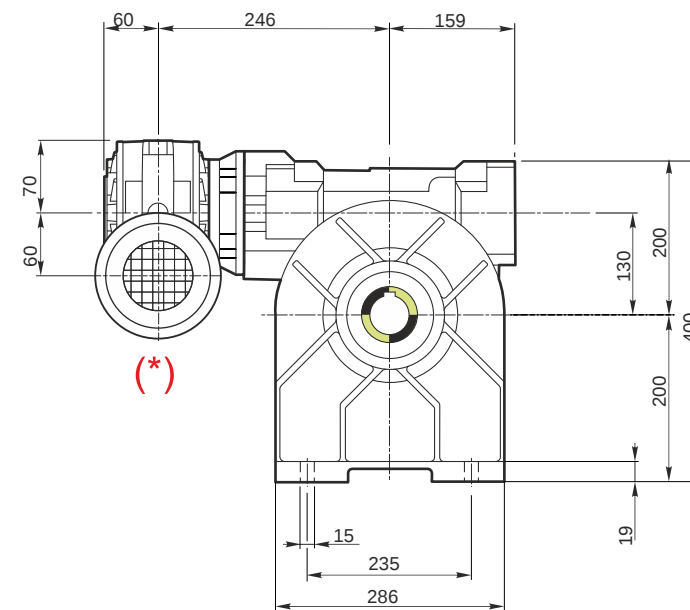
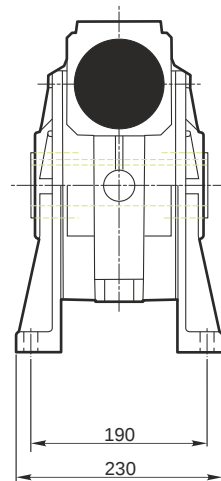
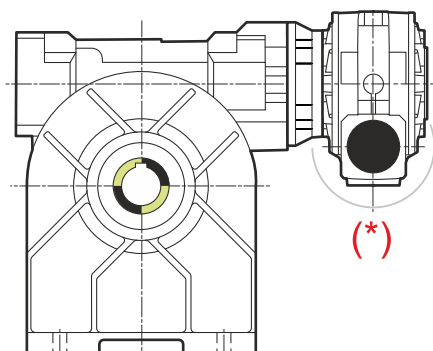
Hollow output shaft		AC 48
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Electric motor

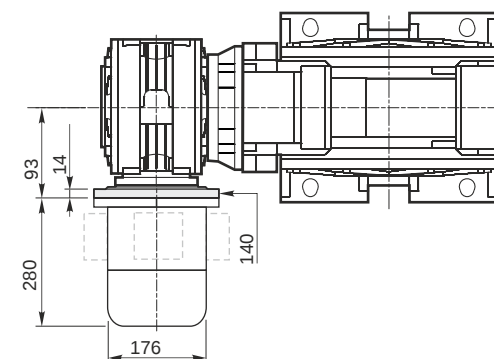
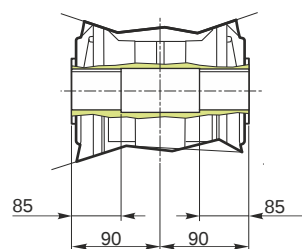
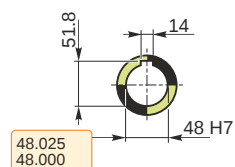
Size		90 L4
Poles		4
Power	[kW]	1.5

Electric motor configuration

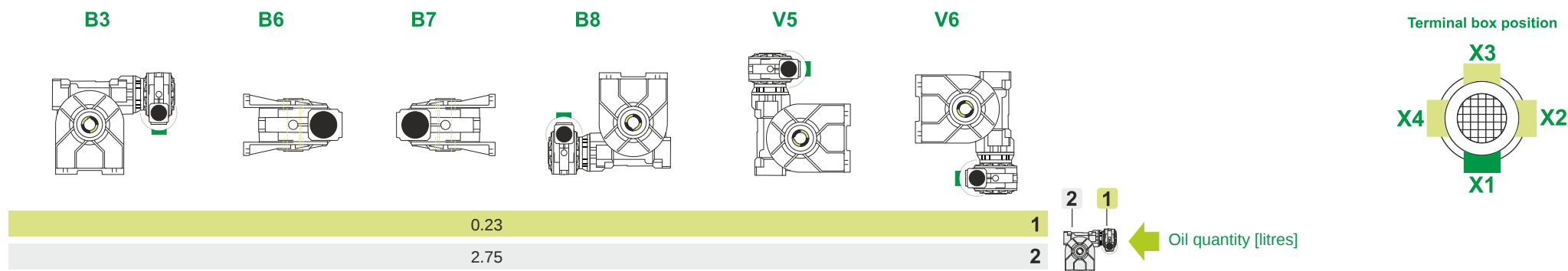
Motor flange		B14
Terminal box position		X3



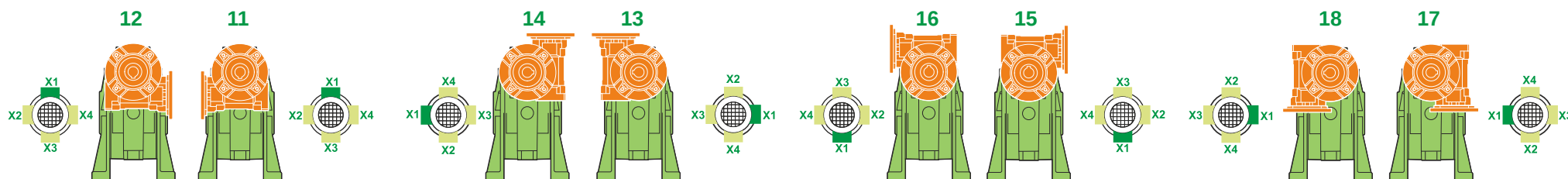
Hollow output shaft



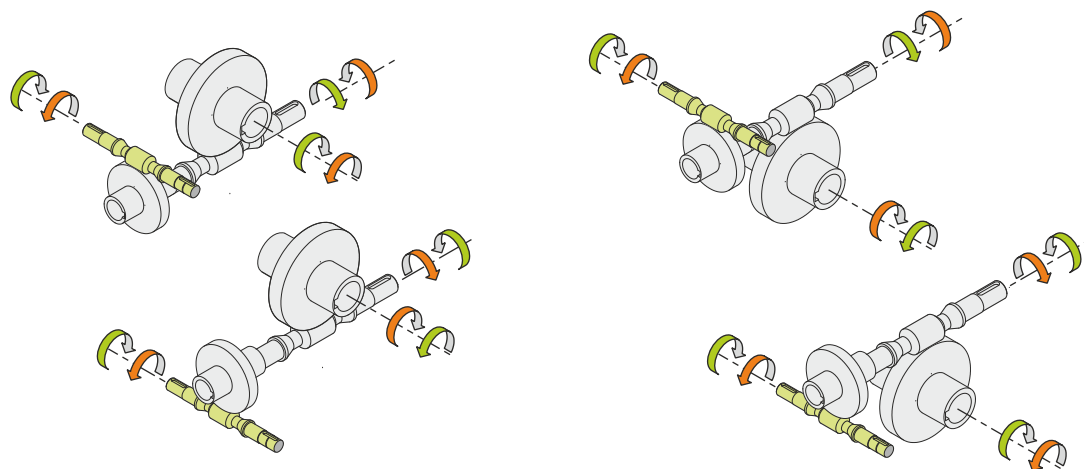
Mounting positions



Attachment position



Direction of rotation



Weight

Gear unit [kg]	57
Electric motor [kg]	13.5

Gearing data 2

2	Axial module	7.25
	Number of starts	1
	Lead angle	20° 14'
	Pressure angle	

Backdriving

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

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