

Input data

System of measurement		Metric
Input type		Gear motor
Input speed	[rpm]	1400
Output speed	[rpm]	0.18
Ratio (i=)		8000
Frequency	[Hz]	50
Input options		IEC
Requested input power	[kW]	0.25
Service factor		0.5
Rated Power P1	[kW]	0.12

Warning! The torque generated by the selected motor is above the gearbox rated output torque; please refer to the gearbox rated output torque.

Output data

Gear unit	M RS/RS 60/130 S (integral) 11 8000 71 B14 AC 48 MT 0.25 kW 71 A4 B14 X3 B3
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Type		RS/RS - Worm speed reducers
Input type		M
Size		60/130
Ratio (i=)		8000
Gearbox ratio		80.00
Pre-stage ratio		100.00
Input flange		B14
Mounting position		B3
Input speed	[rpm]	1400
Output speed	[rpm]	0.18
Rated output torque	[Nm]	1420
Service Factor		0.5
Efficiency		0.21

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

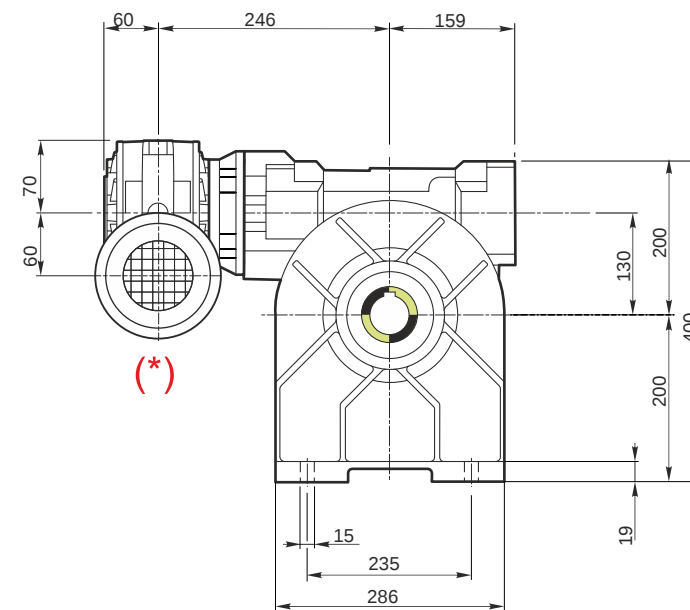
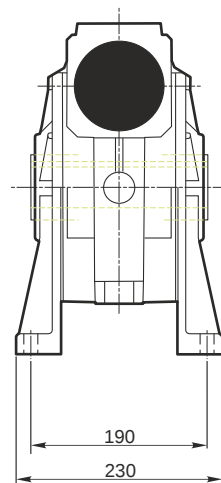
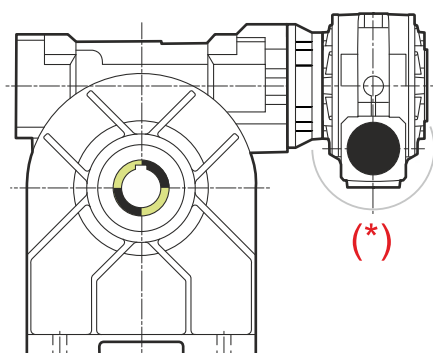
Hollow output shaft		AC 48
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Electric motor

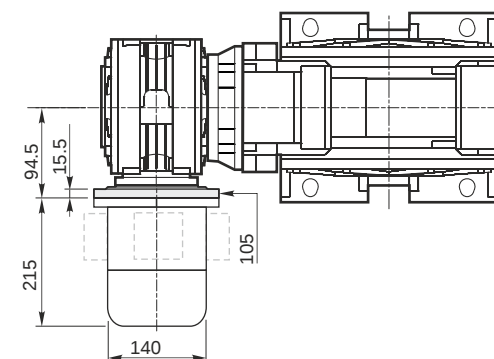
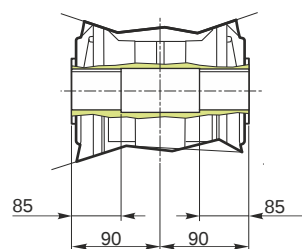
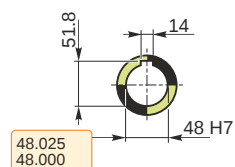
Size		71 A4
Poles		4
Power	[kW]	0.25

Electric motor configuration

Motor flange		B14
Terminal box position		X3

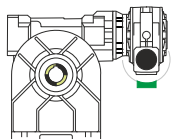


Hollow output shaft

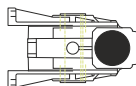


Mounting positions

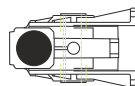
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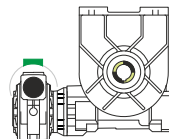
B6



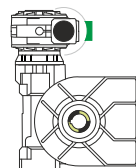
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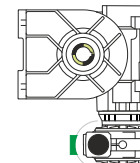
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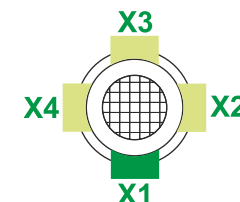
V5



V6



Terminal box position

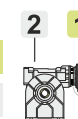


0.23

1

2.75

2

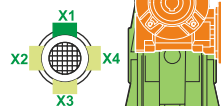


Oil quantity [litres]

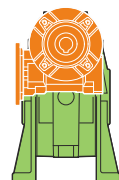
Lubricant type: Long life synthetic oil ISO VG320

Attachment position

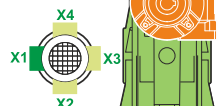
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11



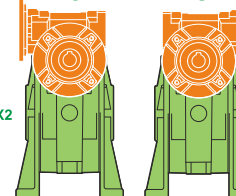
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13



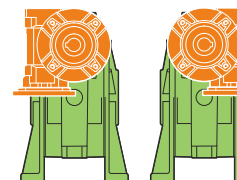
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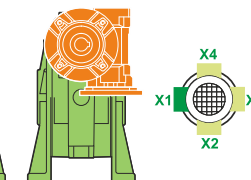
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18



17



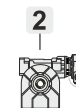
Direction of rotation



Weight

Gear unit [kg]	57
Electric motor [kg]	6.2

Gearing data 2



Axial module	2.7
Number of starts	1
Lead angle	30°
Pressure angle	30°

Backdriving

- Static self-locking
- No back-driving
- No dynamic back-driving

M RS/RS 60/130 S (integral) 11 8000 71 B14 AC 48 MT 0.25 kW 71 A4 B14 X3 B3