

Input data

System of measurement		Metric
Input type		Gear motor
Input speed	[rpm]	1400
Output speed	[rpm]	0.14
Ratio (i=)		10000
Frequency	[Hz]	50
Input options		IEC
Requested input power	[kW]	0.25
Service factor		0.5
Rated Power P1	[kW]	0.13

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 70/150 S (integral) 11 10000 71 B5 AC 55 MT 0.25 kW 71 A4 B5 X3 B3
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Type		RS/RS - Worm speed reducers
Input type		M
Size		70/150
Ratio (i=)		10000
Gearbox ratio		100.00
Pre-stage ratio		100.00
Input flange		B5
Mounting position		B3
Input speed	[rpm]	1400
Output speed	[rpm]	0.14
Rated output torque	[Nm]	1995
Service Factor		0.5
Efficiency		0.22

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]	15000
Taper bearings output radial load	[N]	19500
Ball bearings output axial load	[N]	3000
Taper bearings output axial load	[N]	3900

Accessories

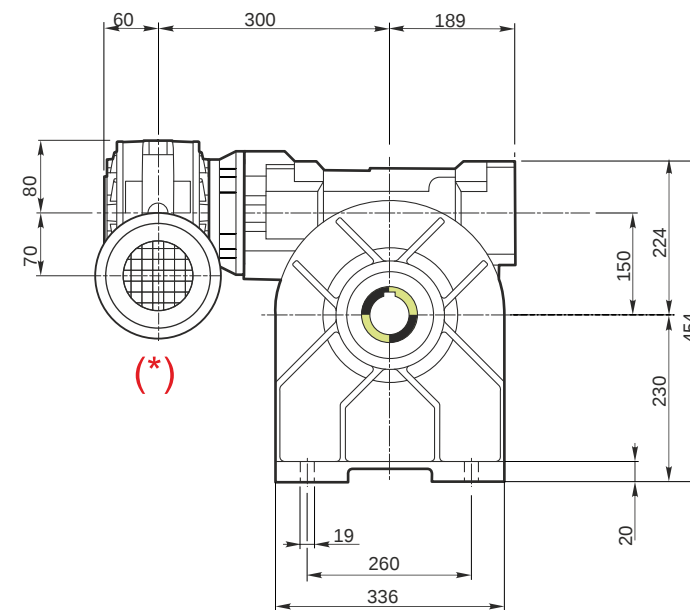
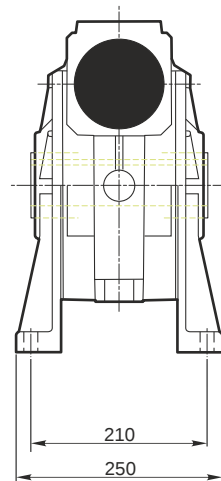
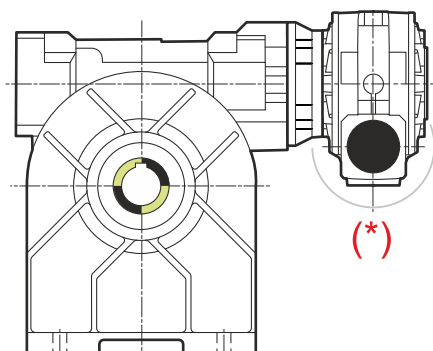
Hollow output shaft		AC 55
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Electric motor

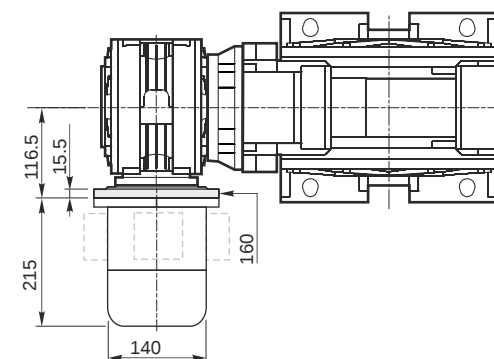
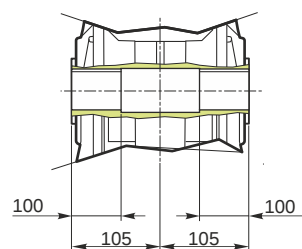
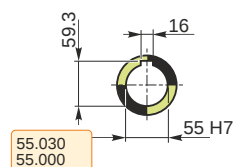
Size		71 A4
Poles		4
Power	[kW]	0.25

Electric motor configuration

Motor flange		B5
Terminal box position		X3

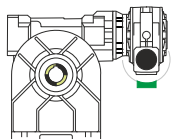


Hollow output shaft

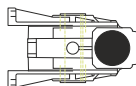


Mounting positions

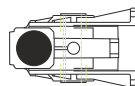
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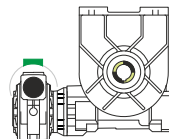
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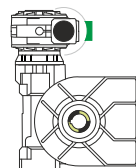
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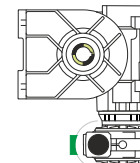
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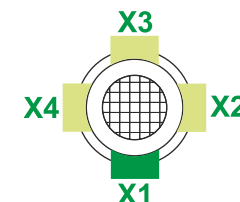
V5



V6



Terminal box position

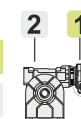


0.35

1

4.4

2

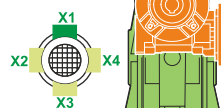


Oil quantity [litres]

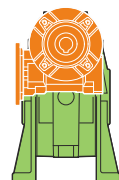
Lubricant type: Long life synthetic oil ISO VG320

Attachment position

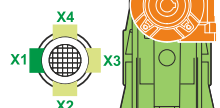
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11



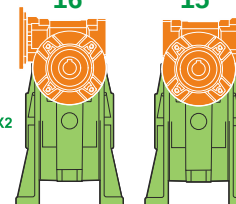
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13



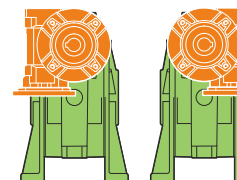
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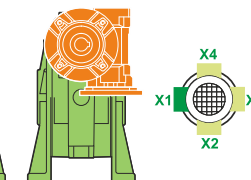
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18



17



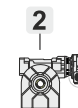
Direction of rotation



Weight

Gear unit [kg]	90
Electric motor [kg]	6.2

Gearing data 2



Axial module	2.6
Number of starts	1
Lead angle	30° 43'
Pressure angle	

Backdriving

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

M RS/RS 70/150 S (integral) 11 10000 71 B5 AC 55 MT 0.25 kW 71 A4 B5 X3 B3