

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]	0.18
Service factor		0.9
Rated Power P1	[kW]	0.16

Output data

Gear unit	M RS/RS 28/60 S (bolted) 11 420 63 B14 AC 25 MT 0.18 kW 63 B4 B14 X3 B3
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Type		RS/RS - Worm speed reducers
Input type		M
Size		28/60
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]	216.59
Service Factor		0.9
Efficiency		0.42

Gear unit configuration

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

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

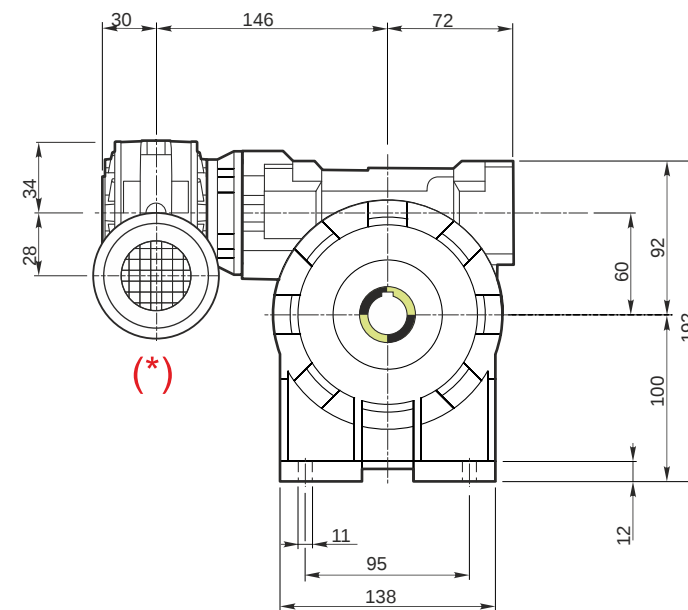
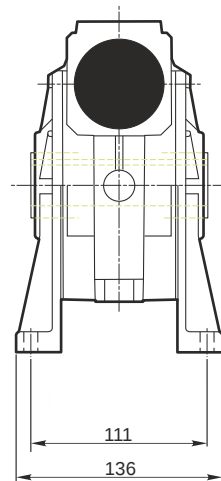
Hollow output shaft		AC 25
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Electric motor

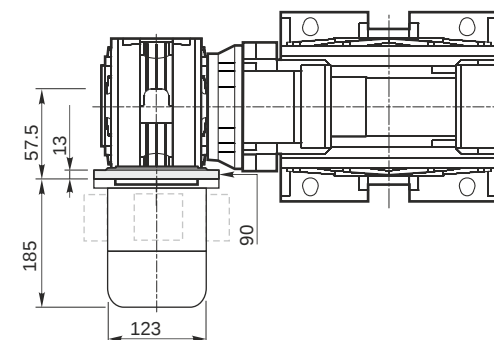
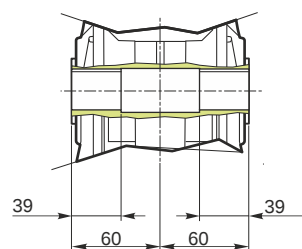
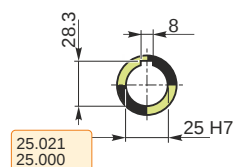
Size		63 B4
Poles		4
Power	[kW]	0.18

Electric motor configuration

Motor flange		B14
Terminal box position		X3

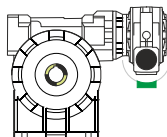


Hollow output shaft

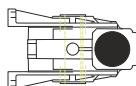


Mounting positions

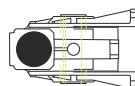
B3



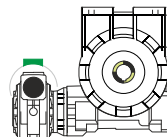
B6



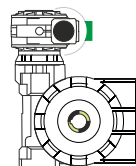
B7



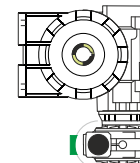
B8



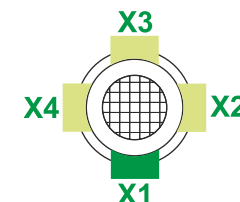
V5



V6



Terminal box position

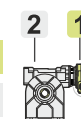


0.03

1

0.23

2

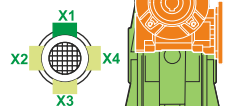


Oil quantity [litres]

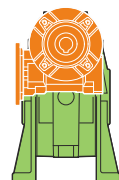
Lubricant type: Long life synthetic oil ISO VG320

Attachment position

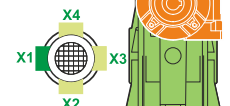
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11



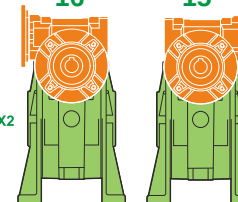
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13



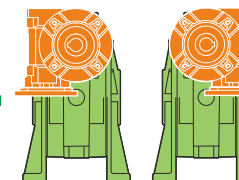
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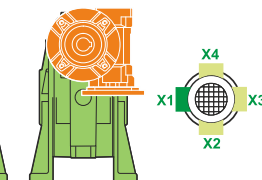
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18



17



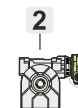
Direction of rotation



Weight

Gear unit [kg]	7.9
Electric motor [kg]	4.3

Gearing data 2



Axial module	3.3
Number of starts	1
Lead angle	6°49'
Pressure angle	

Backdriving

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

M RS/RS 28/60 S (bolted) 11 420 63 B14 AC 25 MT 0.18 kW 63 B4 B14 X3 B3