

Input data

System of measurement		Metric
Input type		Gear motor
Input speed	[rpm]	1400
Output speed	[rpm]	2.5
Ratio (i=)		560
Frequency	[Hz]	50
Input options		IEC
Requested input power	[kW]	0.09
Service factor		1.2
Rated Power P1	[kW]	0.11

Output data

Gear unit	M RS/RS 28/50 S (bolted) 11 560 56 B14 AC 24 MT 0.09 kW 56 B4 B14 X3 B3
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Type		RS/RS - Worm speed reducers
Input type		M
Size		28/50
Ratio (i=)		560
Gearbox ratio		28.00
Pre-stage ratio		20.00
Input flange		B14
Mounting position		B3
Input speed	[rpm]	1400
Output speed	[rpm]	2.5
Rated output torque	[Nm]	127.21
Service Factor		1.2
Efficiency		0.37

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]	3200
Taper bearings output radial load	[N]	4200
Ball bearings output axial load	[N]	640
Taper bearings output axial load	[N]	840

Accessories

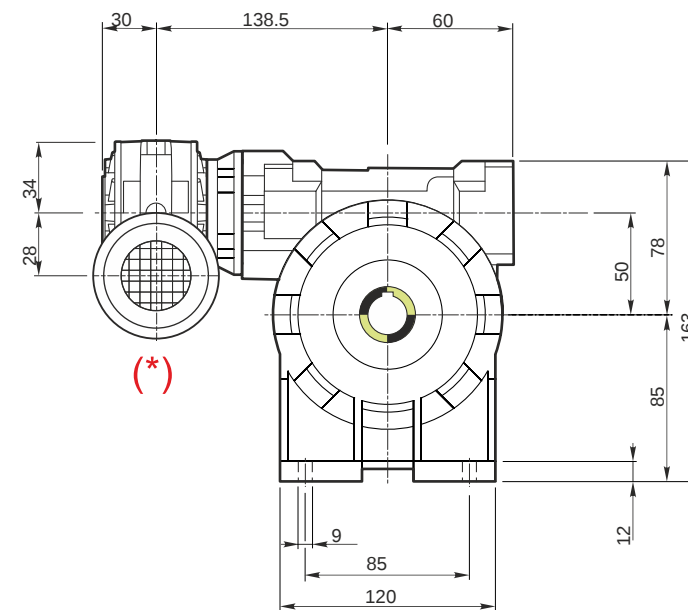
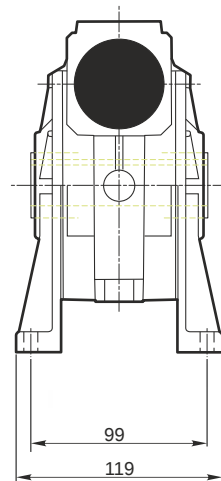
Hollow output shaft		AC 24
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Electric motor

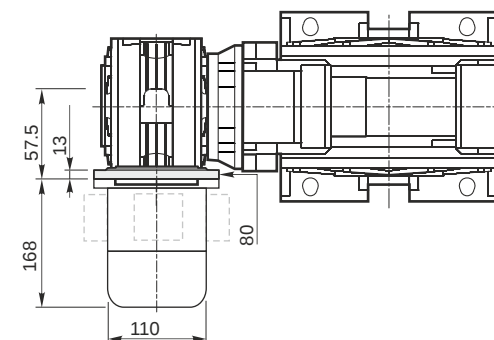
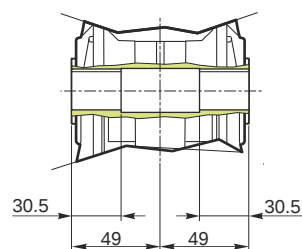
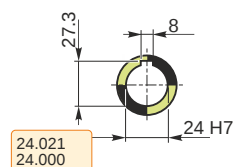
Size		56 B4
Poles		4
Power	[kW]	0.09

Electric motor configuration

Motor flange		B14
Terminal box position		X3

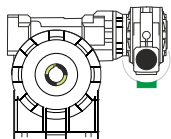


Hollow output shaft

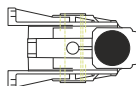


Mounting positions

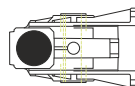
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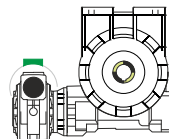
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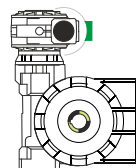
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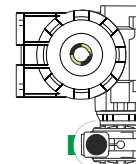
B8



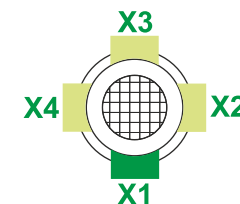
V5



V6



Terminal box position

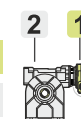


0.03

1

0.13

2

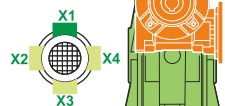


Oil quantity [litres]

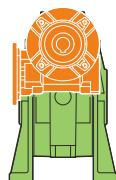
Lubricant type: Long life synthetic oil ISO VG320

Attachment position

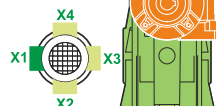
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11



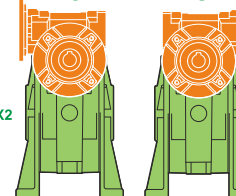
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13



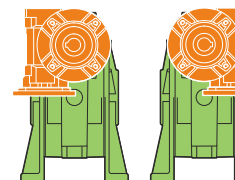
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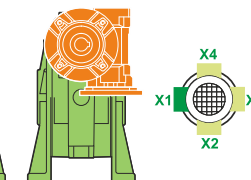
15



18



17



Direction of rotation



Weight

Gear unit [kg]	5.2
Electric motor [kg]	2.6

Gearing data 2

2	Axial module	2.7
	Number of starts	1
	Lead angle	6° 19'
	Pressure angle	20°

Backdriving

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

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