

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]	0.09
Service factor		0.8
Rated Power P1	[kW]	0.08

Output data

Gear unit	M RS/RS 28/40 S (bolted) 11 420 56 B14 AC 19 MT 0.09 kW 56 B4 B14 X3 B3
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Type		RS/RS - Worm speed reducers
Input type		M
Size		28/40
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]	100.56
Service Factor		0.8
Efficiency		0.39

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]	2300
Taper bearings output radial load	[N]	2600
Ball bearings output axial load	[N]	460
Taper bearings output axial load	[N]	520

Accessories

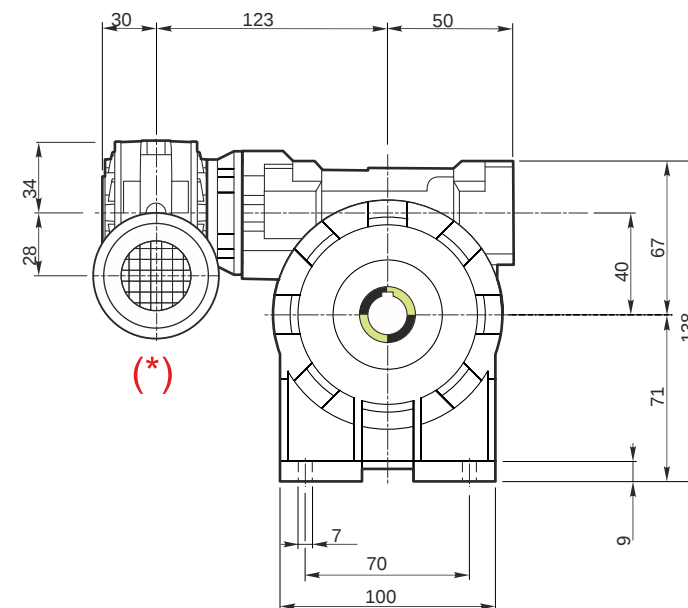
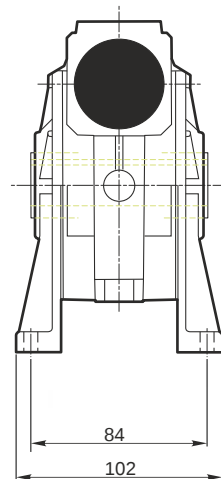
Hollow output shaft		AC 19
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Electric motor

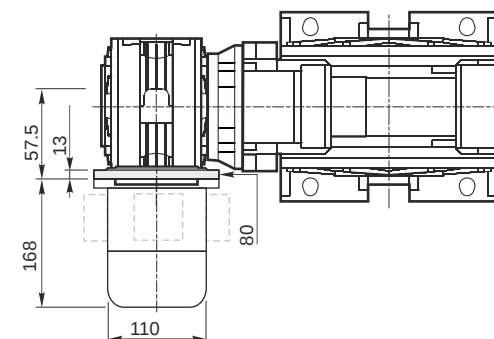
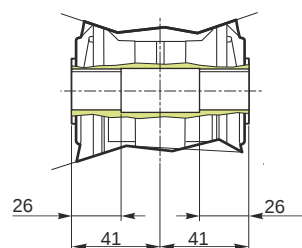
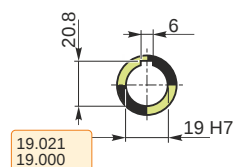
Size		56 B4
Poles		4
Power	[kW]	0.09

Electric motor configuration

Motor flange		B14
Terminal box position		X3

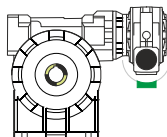


Hollow output shaft

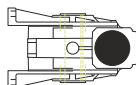


Mounting positions

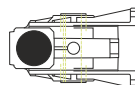
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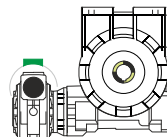
B6



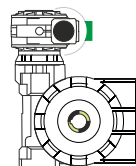
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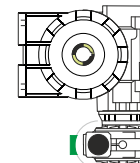
B8



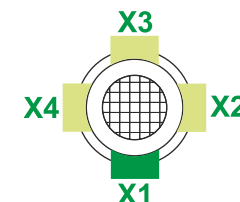
V5



V6



Terminal box position

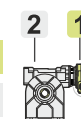


0.03

1

0.08

2

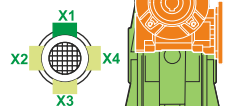


Oil quantity [litres]

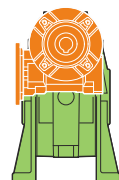
Lubricant type: Long life synthetic oil ISO VG320

Attachment position

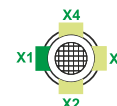
12



11



14



13



16



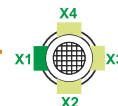
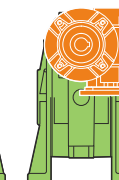
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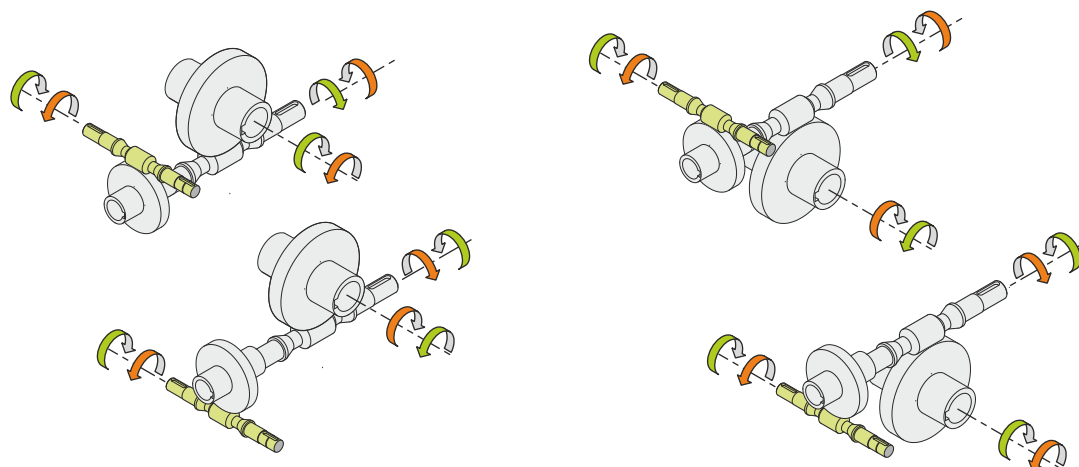
18



17



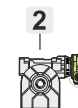
Direction of rotation



Weight

Gear unit [kg]	3.9
Electric motor [kg]	2.6

Gearing data 2



Axial module	2.1
Number of starts	1
Lead angle	20° 39'
Pressure angle	

Backdriving

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

M RS/RS 28/40 S (bolted) 11 420 56 B14 AC 19 MT 0.09 kW 56 B4 B14 X3 B3