

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]	0.06
Service factor		0.4
Rated Power P1	[kW]	0.03

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 28/28 S (bolted) 11 560 56 B14 AC 14 MT 0.06 kW 56 A4 B14 X3 B3
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Type		RS/RS - Worm speed reducers
Input type		M
Size		28/28
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]	36
Service Factor		0.4
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]	1000
Taper bearings output radial load	[N]	1300
Ball bearings output axial load	[N]	200
Taper bearings output axial load	[N]	260

Accessories

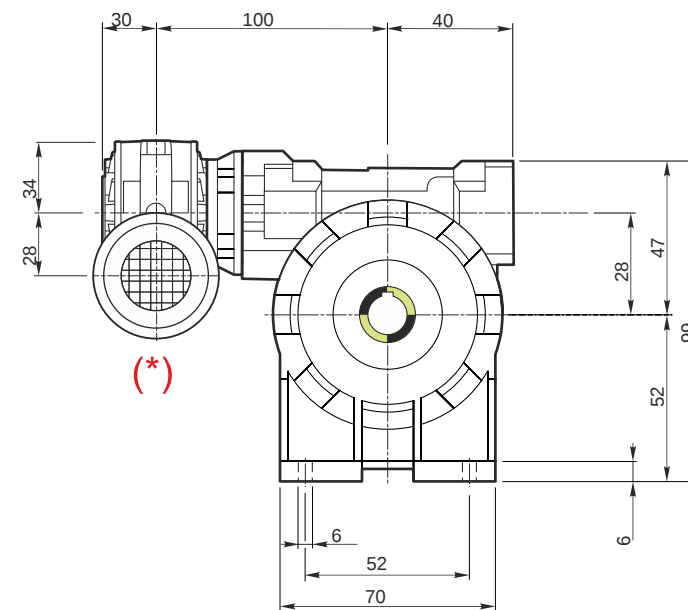
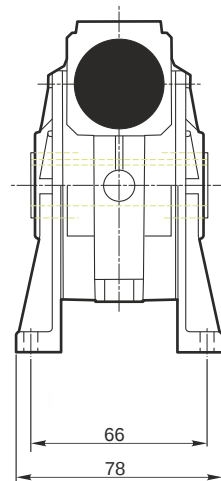
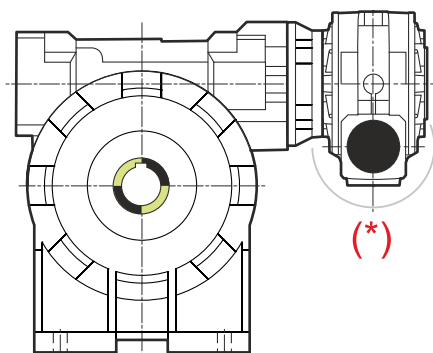
Hollow output shaft		AC 14
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Electric motor

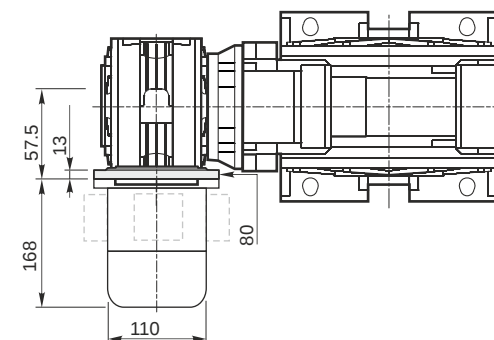
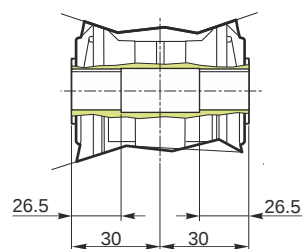
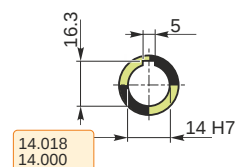
Size		56 A4
Poles		4
Power	[kW]	0.06

Electric motor configuration

Motor flange		B14
Terminal box position		X3

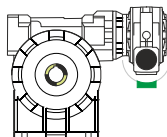


Hollow output shaft

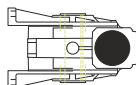


Mounting positions

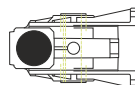
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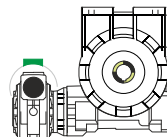
B6



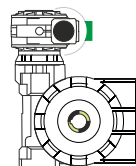
B7



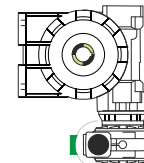
B8



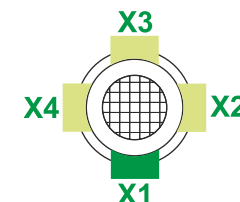
V5



V6



Terminal box position

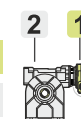


0.03

1

0.03

2

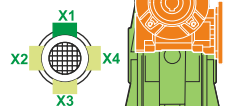


Oil quantity [litres]

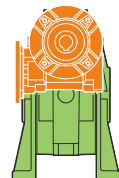
Lubricant type: Long life synthetic oil ISO VG320

Attachment position

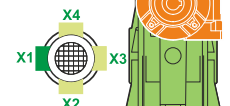
12



11



14



13



16



15



18



17



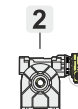
Direction of rotation



Weight

Gear unit [kg]	2.5
Electric motor [kg]	2.6

Gearing data 2



Axial module	1.5
Number of starts	1
Lead angle	6°06'
Pressure angle	20°

Backdriving

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

M RS/RS 28/28 S (bolted) 11 560 56 B14 AC 14 MT 0.06 kW 56 A4 B14 X3 B3