

Input data

System of measurement		Metric
Input type		Gear motor
Input speed	[rpm]	1400
Output speed	[rpm]	0.5
Ratio (i=)		2800
Frequency	[Hz]	50
Input options		IEC
Requested input power	[kW]	0.25
Service factor		0.9
Rated Power P1	[kW]	0.23

Output data

Gear unit	M RS/RS 50/110 S (bolted) 11 2800 71 B14 AC 42 MT 0.25 kW 71 A4 B14 X3 B3
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Type		RS/RS - Worm speed reducers
Input type		M
Size		50/110
Ratio (i=)		2800
Gearbox ratio		40.00
Pre-stage ratio		70.00
Input flange		B14
Mounting position		B3
Input speed	[rpm]	1400
Output speed	[rpm]	0.5
Rated output torque	[Nm]	1289.25
Service Factor		0.9
Efficiency		0.27

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]	9800
Taper bearings output radial load	[N]	11100
Ball bearings output axial load	[N]	1960
Taper bearings output axial load	[N]	2220

Accessories

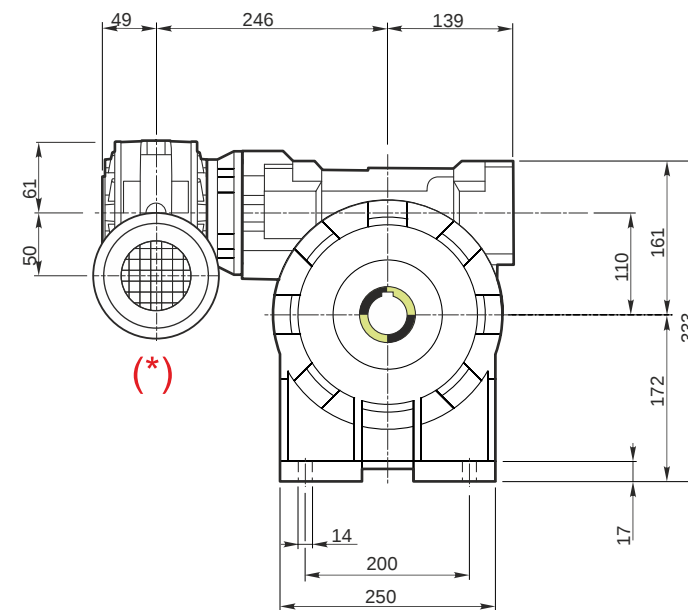
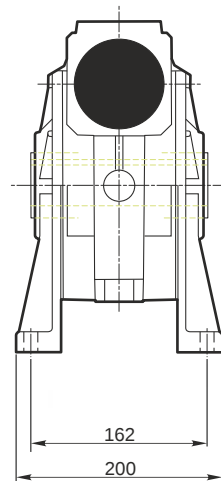
Hollow output shaft		AC 42
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Electric motor

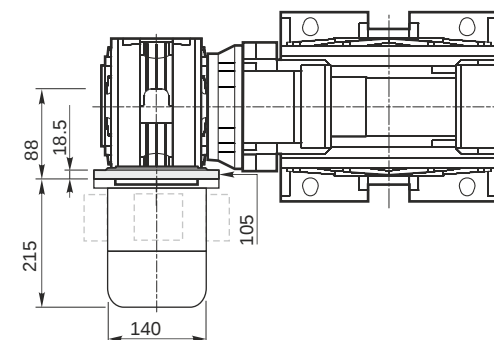
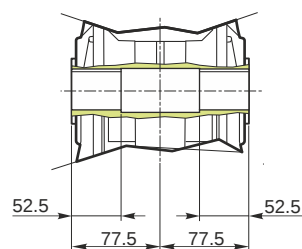
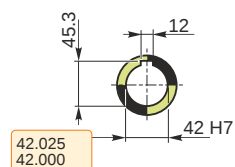
Size		71 A4
Poles		4
Power	[kW]	0.25

Electric motor configuration

Motor flange		B14
Terminal box position		X3

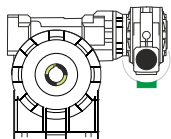


Hollow output shaft

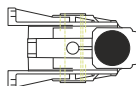


Mounting positions

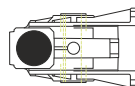
B3



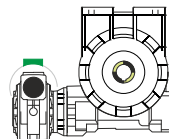
B6



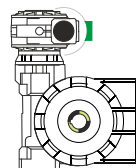
B7



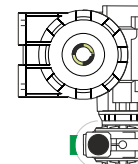
B8



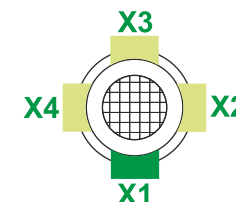
V5



V6



Terminal box position

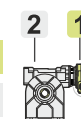


0.13

1

1.5

2

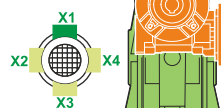


Oil quantity [litres]

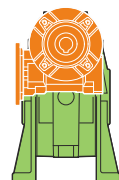
Lubricant type: Long life synthetic oil ISO VG320

Attachment position

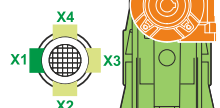
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11



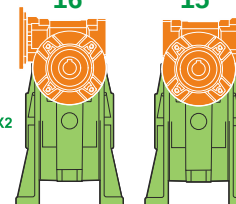
14



13



16



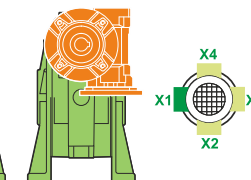
15



18



17



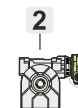
Direction of rotation



Weight

Gear unit [kg]	45
Electric motor [kg]	6.2

Gearing data 2



Axial module	4.4
Number of starts	1
Lead angle	20°42'
Pressure angle	20°42'

Backdriving

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

M RS/RS 50/110 S (bolted) 11 2800 71 B14 AC 42 MT 0.25 kW 71 A4 B14 X3 B3