

Input data

System of measurement		Metric
Input type		Gear motor
Input speed	[rpm]	1400
Output speed	[rpm]	35
Ratio (i=)		40
Frequency	[Hz]	50
Input options		IEC
Requested input power	[kW]	1.1
Service factor		1.1
Rated Power P1	[kW]	1.23

Output data

Gear unit **M RT 70 B3 40 90 B14 AC 28 MT 1.1 kW 90 S4 B14 X3**

Type		RT - Worm speed reducers
Input type		M
Size		70
Ratio (i=)		40
Input flange		B14
Input speed	[rpm]	1400
Output speed	[rpm]	35
Rated output torque	[Nm]	213.1
Service Factor		1.1
Efficiency		0.71
Inertia moment	[kgm ²]	0.000245

Gear unit configuration

Output shaft		Hollow output shaft
Fixing		Universal
Version		B3

Output radial and axial loads

Ball bearings output radial load	[N]	4500
Taper bearings output radial load	[N]	6100
Ball bearings output axial load	[N]	900
Taper bearings output axial load	[N]	1220

Accessories

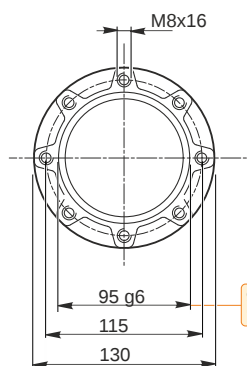
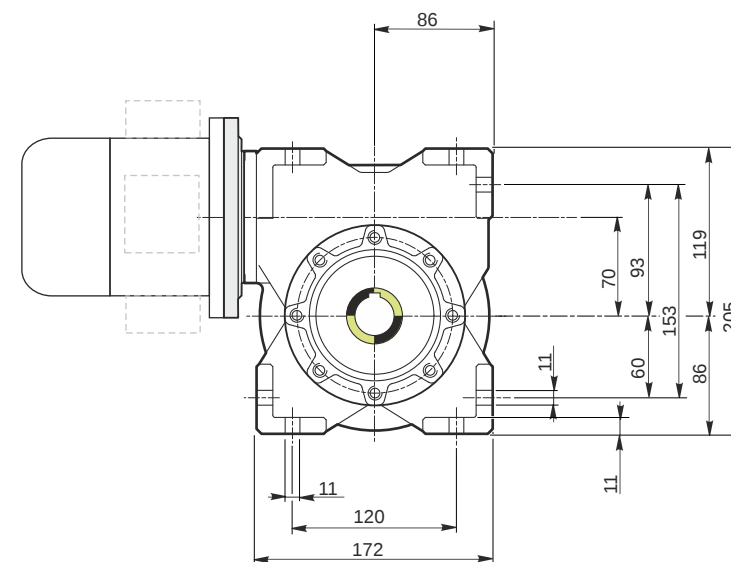
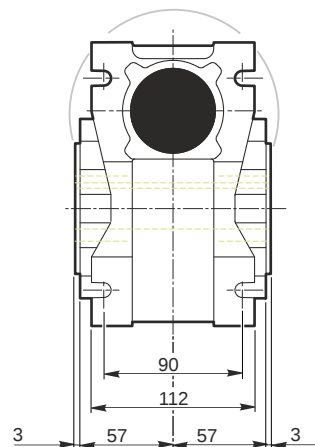
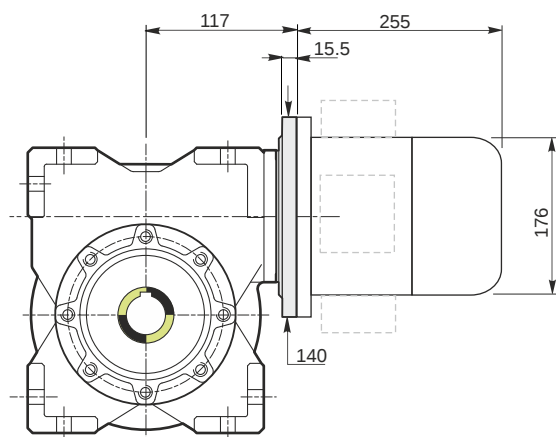
Hollow output shaft		AC 28
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Electric motor

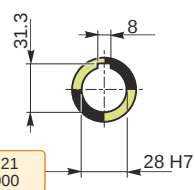
Size		90 S4
Poles		4
Power	[kW]	1.1

Electric motor configuration

Motor flange		B14
Terminal box position		X3

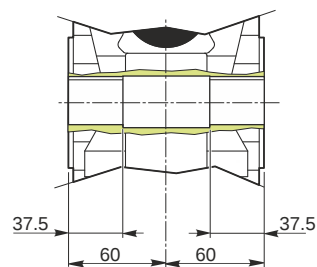


Hollow output shaft



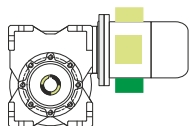
94.988
94.966

28.021
28.000

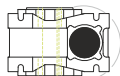


Mounting positions

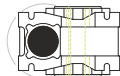
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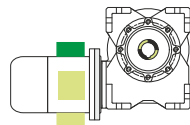
B6



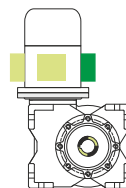
B7



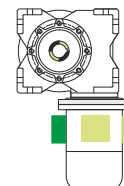
B8



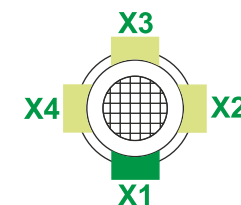
V5



V6



Terminal box position



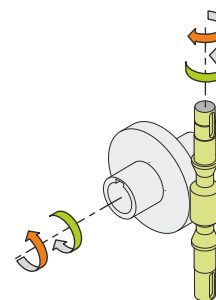
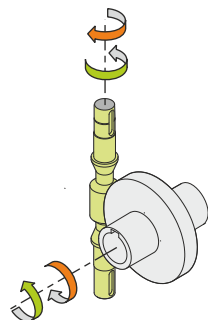
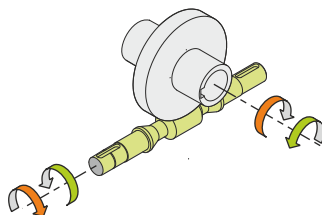
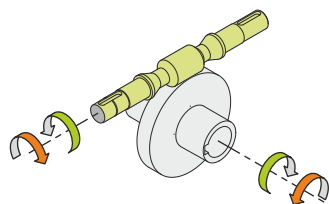
0.35



Oil quantity [litres]

Lubricant type: Long life synthetic oil ISO VG320

Direction of rotation



Weight

Gear unit [kg]	9
Electric motor [kg]	12

Gearing data

Axial module	2.8
Number of starts	1
Lead angle	5° 42'
Pressure angle	20°

Backdriving

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