

Input data

System of measurement		Metric
Input type		Gear motor
Input speed	[rpm]	1400
Output speed	[rpm]	200
Ratio (i=)		7
Frequency	[Hz]	50
Input options		IEC
Requested input power	[kW]	1.1
Service factor		2.5
Rated Power P1	[kW]	2.75

Output data

Gear unit **M RT 60 B3 7 90 B14 AC 25 MT 1.1 kW 90 S4 B14 X3**

Type		RT - Worm speed reducers
Input type		M
Size		60
Ratio (i=)		7
Input flange		B14
Input speed	[rpm]	1400
Output speed	[rpm]	200
Rated output torque	[Nm]	45.17
Service Factor		2.5
Efficiency		0.86
Inertia moment	[kgm ²]	0.000134

Gear unit configuration

Output shaft	Hollow output shaft
Fixing	Universal
Version	B3

Output radial and axial loads

Ball bearings output radial load	[N]	2400
Taper bearings output radial load	[N]	3000
Ball bearings output axial load	[N]	480
Taper bearings output axial load	[N]	600

Accessories

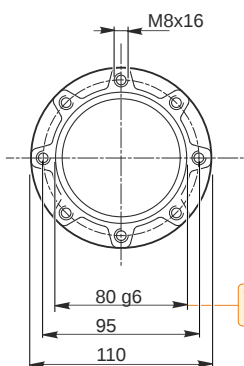
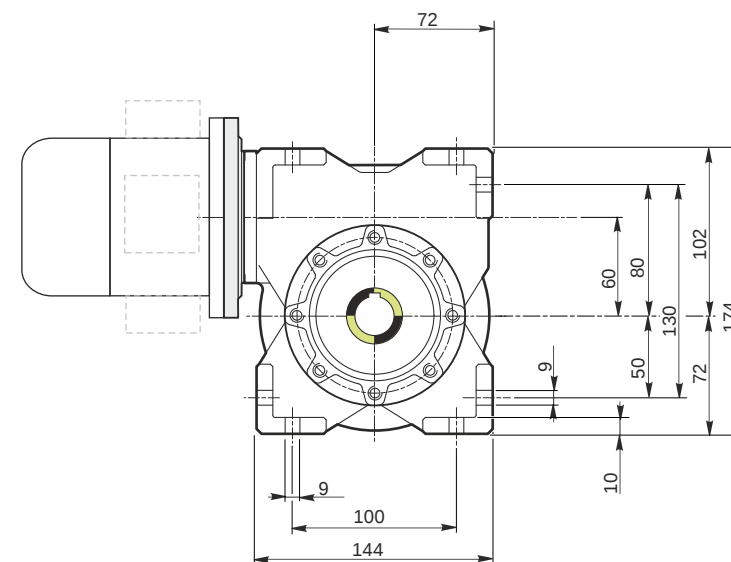
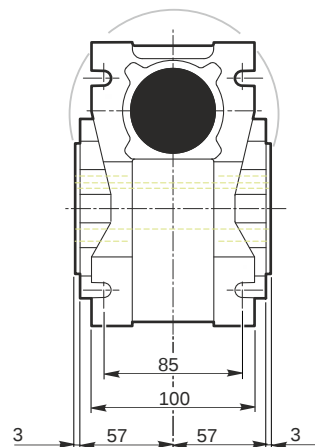
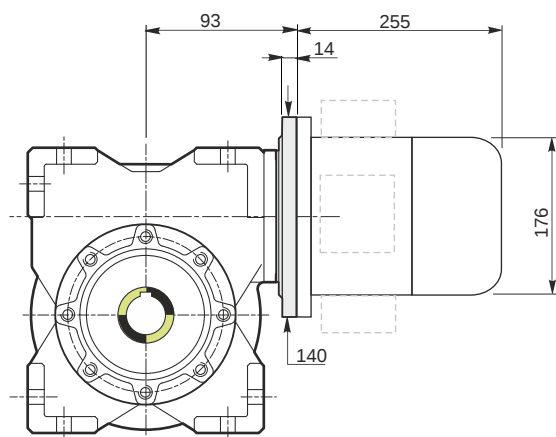
Hollow output shaft	AC 25
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Electric motor

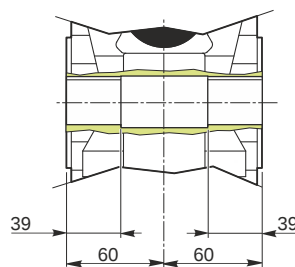
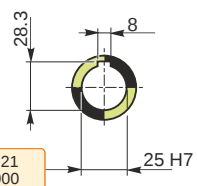
Size		90 S4
Poles		4
Power	[kW]	1.1

Electric motor configuration

Motor flange	B14
Terminal box position	X3

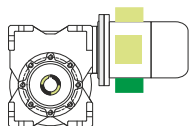


Hollow output shaft

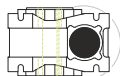


Mounting positions

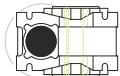
B3



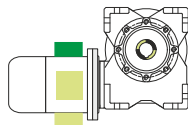
B6



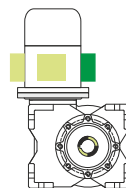
B7



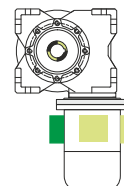
B8



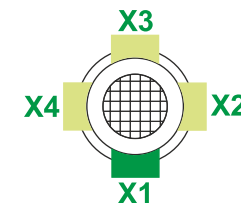
V5



V6



Terminal box position



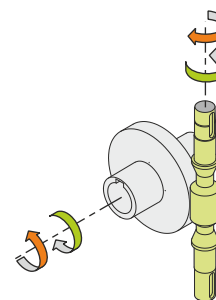
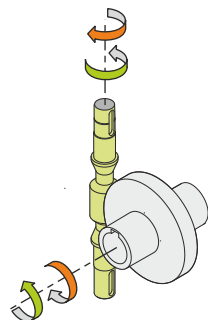
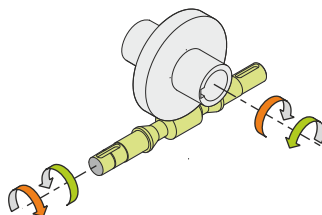
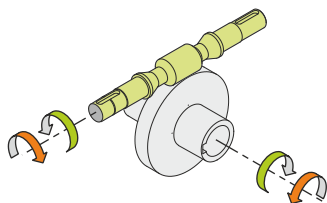
0.23



Oil quantity [litres]

Lubricant type: Long life synthetic oil ISO VG320

Direction of rotation



Weight

Gear unit [kg]	6.5
Electric motor [kg]	12

Gearing data

Axial module	3.3
Number of starts	4
Lead angle	25° 33'
Pressure angle	20°

Backdriving

Static back-driving
Quick back-driving
Dynamic back-driving

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