

Input data

System of measurement		Metric
Input type		Gear motor
Input speed	[rpm]	1400
Output speed	[rpm]	280
Ratio (i=)		5
Frequency	[Hz]	50
Input options		IEC
Requested input power	[kW]	0.75
Service factor		5.5
Rated Power P1	[kW]	4.12

Output data

Gear unit	M RT 60 Output flange No Flange FL 5 80 B14 AC 25 MT 0.75 kW 80 B4 B14 X3
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Type		RT - Worm speed reducers
Input type		M
Size		60
Ratio (i=)		5
Input flange		B14
Input speed	[rpm]	1400
Output speed	[rpm]	280
Rated output torque	[Nm]	22.77
Service Factor		5.5
Efficiency		0.89

Gear unit configuration

Output shaft		Hollow output shaft
Fixing		Output flange
Right side flange		No Flange
Left side flange		FL

Output radial and axial loads

Ball bearings output radial load	[N]	2250
Taper bearings output radial load	[N]	2900
Ball bearings output axial load	[N]	450
Taper bearings output axial load	[N]	580

Accessories

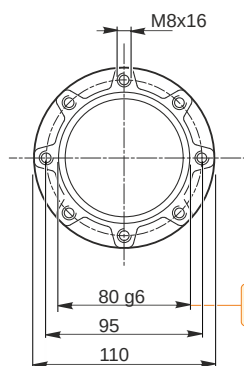
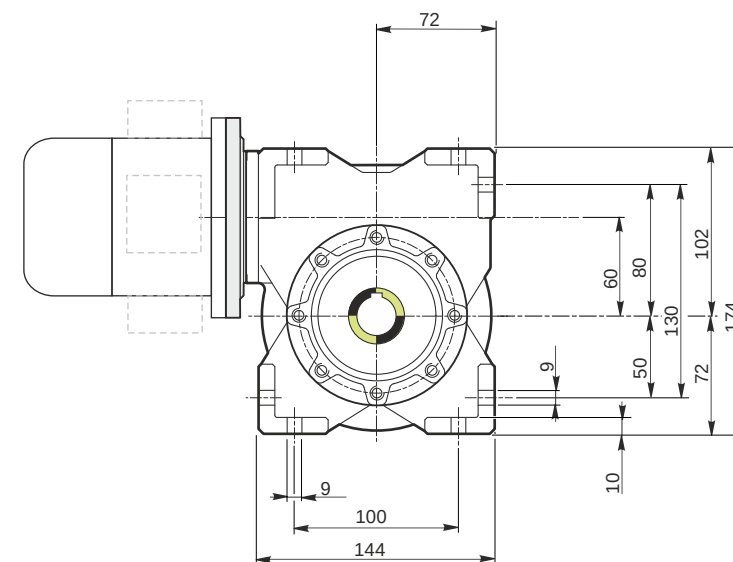
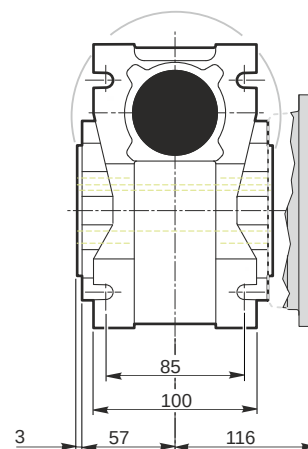
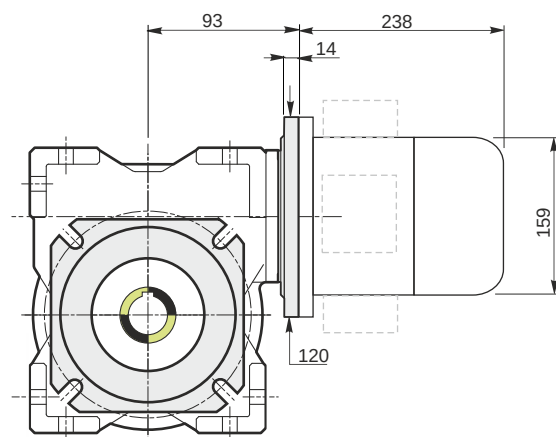
Hollow output shaft		AC 25
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Electric motor

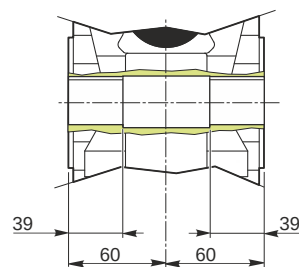
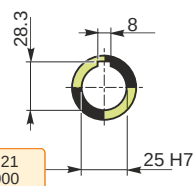
Size		80 B4
Poles		4
Power	[kW]	0.75

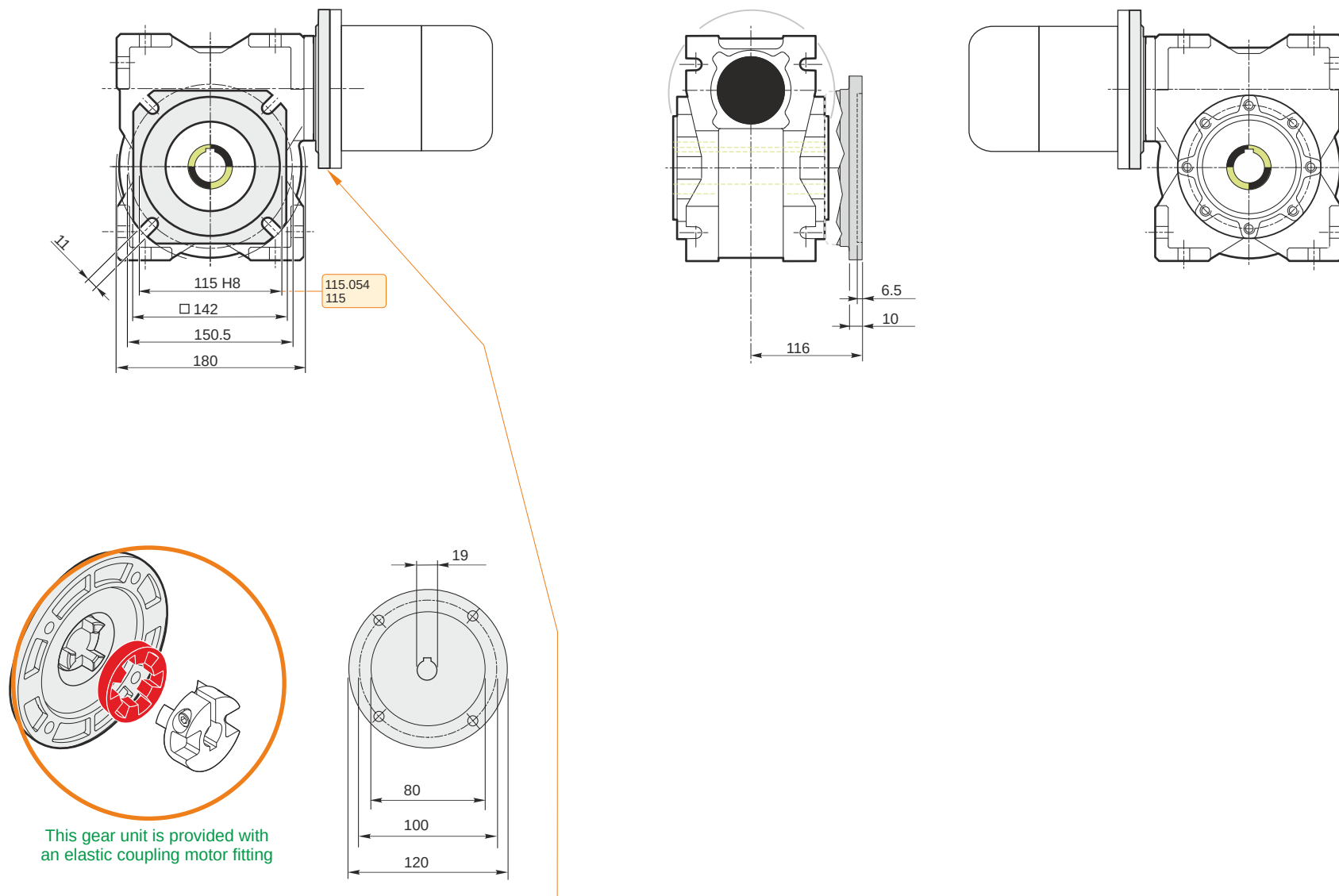
Electric motor configuration

Motor flange		B14
Terminal box position		X3



Hollow output shaft

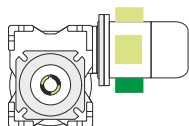




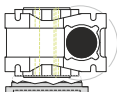
M RT 60 Output flange No Flange FL 5 80 B14 AC 25 MT 0.75 kW 80 B4 B14 X3

Mounting positions

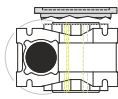
B3



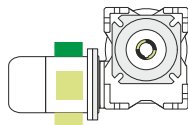
B6



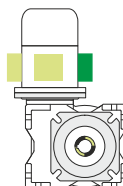
B7



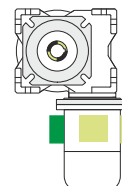
B8



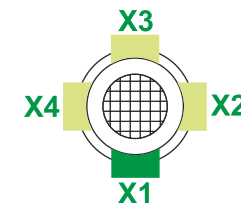
V5



V6



Terminal box position



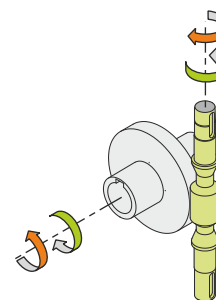
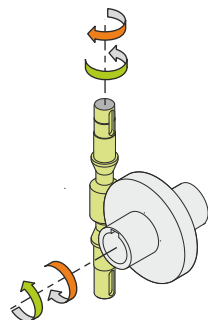
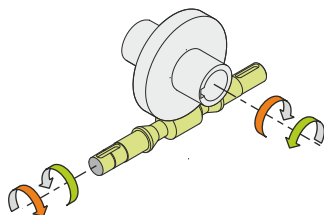
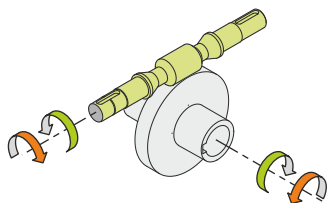
0.23



Oil quantity [litres]

Lubricant type: Long life synthetic oil ISO VG320

Direction of rotation



Weight

Gear unit [kg]	6.5
Electric motor [kg]	9.8

Gearing data

Axial module	3.15
Number of starts	6
Lead angle	36° 32'
Pressure angle	20°

Backdriving

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