

Input data

System of measurement		Metric
Input type		Gear motor
Input speed	[rpm]	1400
Output speed	[rpm]	28.57
Ratio (i=)		49
Frequency	[Hz]	50
Input options		IEC
Requested input power	[kW]	0.55
Service factor		1.1
Rated Power P1	[kW]	0.62

Output data

Gear unit **M RT 60 B3 49 80 B14 AC 25 MT 0.55 kW 80 A4 B14 X3**

Type		RT - Worm speed reducers
Input type		M
Size		60
Ratio (i=)		49
Input flange		B14
Input speed	[rpm]	1400
Output speed	[rpm]	28.57
Rated output torque	[Nm]	113.98
Service Factor		1.1
Efficiency		0.62
Inertia moment	[kgm ²]	0.000104

Gear unit configuration

Output shaft		Hollow output shaft
Fixing		Universal
Version		B3

Output radial and axial loads

Ball bearings output radial load	[N]	4300
Taper bearings output radial load	[N]	5700
Ball bearings output axial load	[N]	860
Taper bearings output axial load	[N]	1140

Accessories

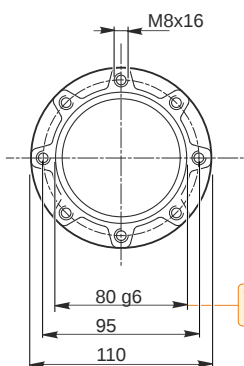
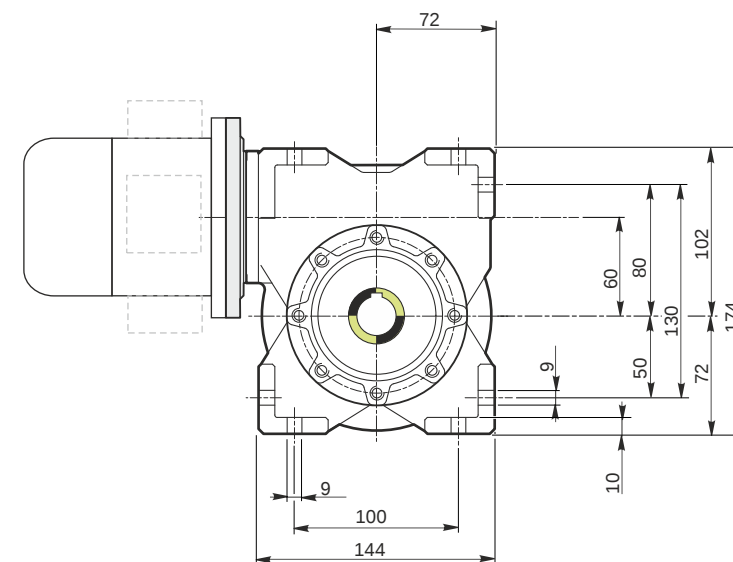
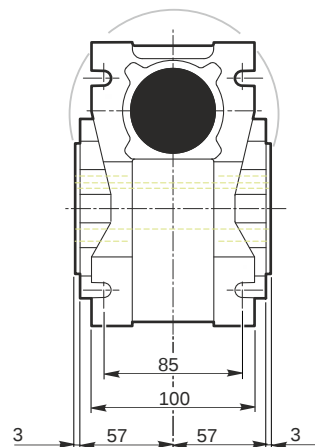
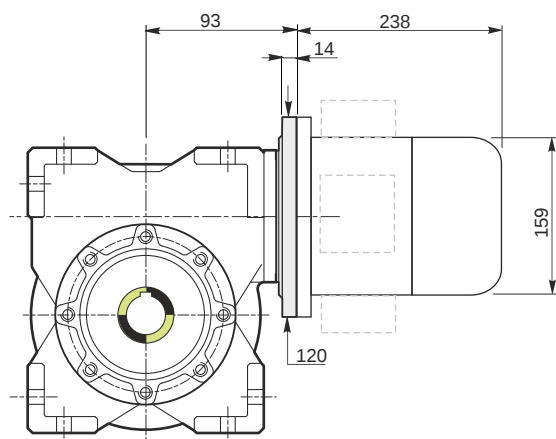
Hollow output shaft		AC 25
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Electric motor

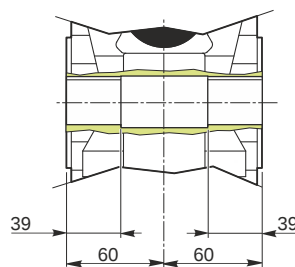
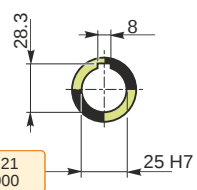
Size		80 A4
Poles		4
Power	[kW]	0.55

Electric motor configuration

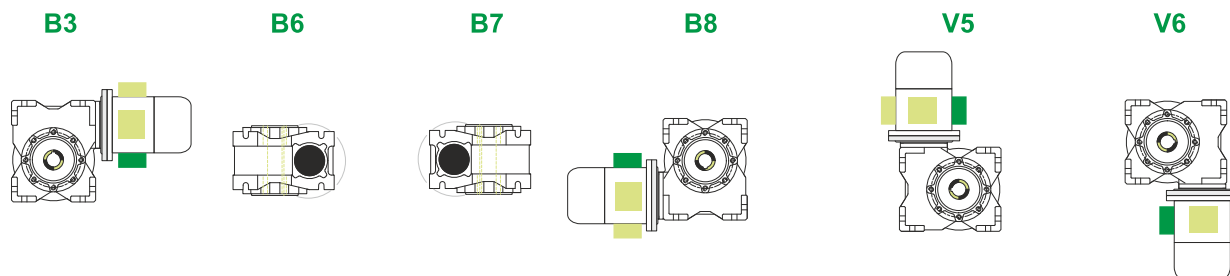
Motor flange		B14
Terminal box position		X3



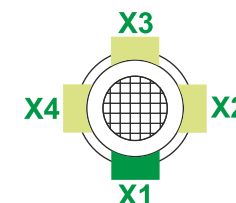
Hollow output shaft



Mounting positions



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	2
Number of starts	1
Lead angle	5° 11'
Pressure angle	20°

Backdriving

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

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