

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]	0.75
Service factor		2.4
Rated Power P1	[kW]	1.83

Output data

Gear unit **M RT 50 B3 7 80 B14 AC 24 MT 0.75 kW 80 B4 B14 X3**

Type		RT - Worm speed reducers
Input type		M
Size		50
Ratio (i=)		7
Input flange		B14
Input speed	[rpm]	1400
Output speed	[rpm]	200
Rated output torque	[Nm]	30.8
Service Factor		2.4
Efficiency		0.86
Inertia moment	[kgm ²]	0.000061

Gear unit configuration

Output shaft	Hollow output shaft
Fixing	Universal
Version	B3

Output radial and axial loads

Ball bearings output radial load	[N]	1250
Taper bearings output radial load	[N]	1750
Ball bearings output axial load	[N]	250
Taper bearings output axial load	[N]	350

Accessories

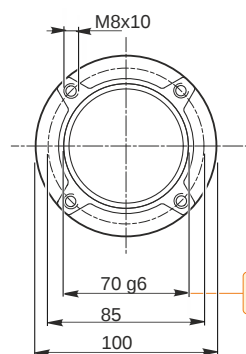
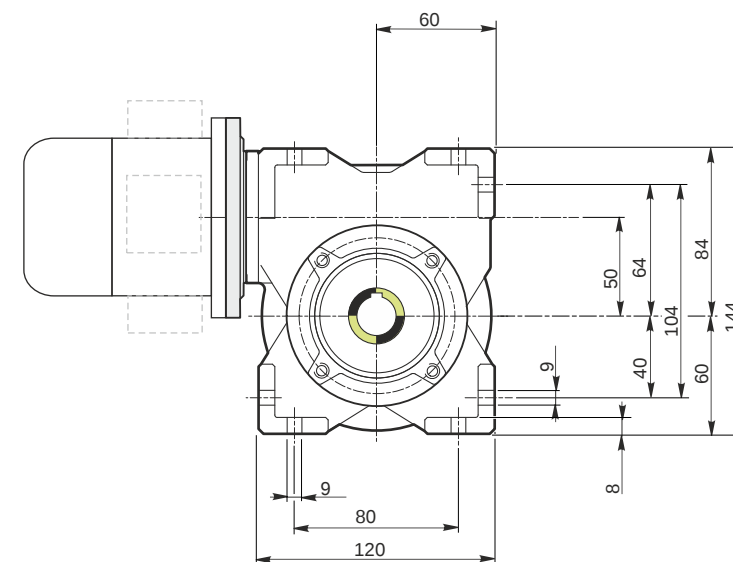
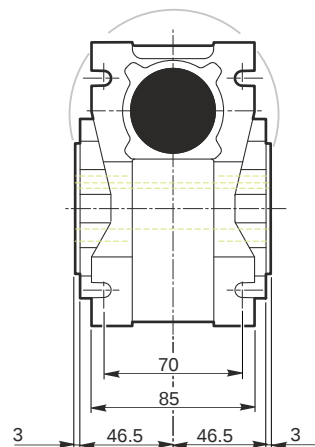
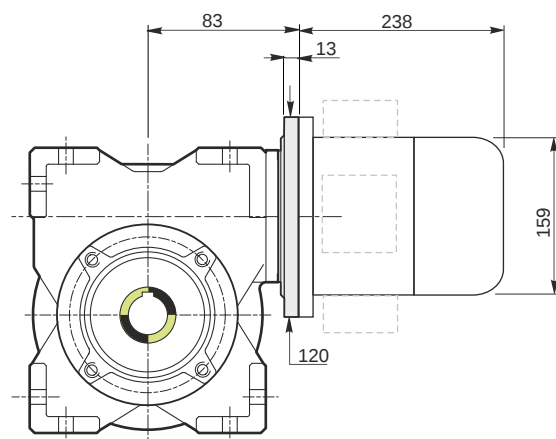
Hollow output shaft	AC 24
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Electric motor

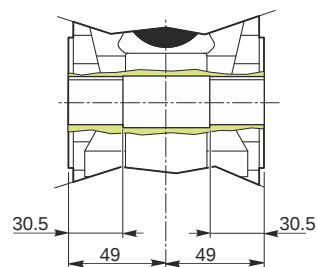
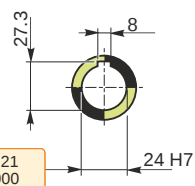
Size		80 B4
Poles		4
Power	[kW]	0.75

Electric motor configuration

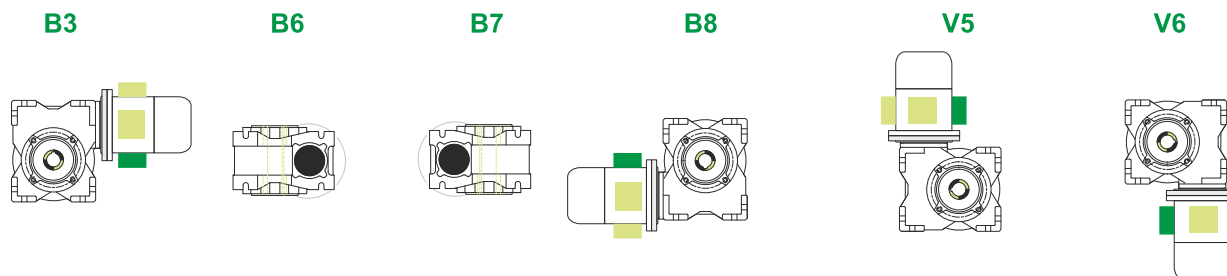
Motor flange	B14
Terminal box position	X3



Hollow output shaft



Mounting positions



Terminal box position



0.13



Oil quantity [litres]

Lubricant type: Long life synthetic oil ISO VG320

Direction of rotation



Weight

Gear unit [kg]	3.8
Electric motor [kg]	9.8

Gearing data

Axial module	2.7
Number of starts	
Lead angle	23° 52'
Pressure angle	20°

Backdriving

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