

Input data

System of measurement		Metric
Input type		Gear motor
Input speed	[rpm]	1400
Output speed	[rpm]	25
Ratio (i=)		56
Frequency	[Hz]	50
Input options		IEC
Requested input power	[kW]	1.5
Service factor		1.5
Rated Power P1	[kW]	2.23

Output data

Gear unit	M RT 110 B3 56 90 B5 AC 42 MT 1.5 kW 90 L4 B5 X3
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Type		RT - Worm speed reducers
Input type		M
Size		110
Ratio (i=)		56
Input flange		B5
Input speed	[rpm]	1400
Output speed	[rpm]	25
Rated output torque	[Nm]	401.1
Service Factor		1.5
Efficiency		0.7
Inertia moment	[kgm ²]	0.001688

Gear unit configuration

Output shaft		Hollow output shaft
Fixing		Universal
Version		B3

Output radial and axial loads

Ball bearings output radial load	[N]	7800
Taper bearings output radial load	[N]	11100
Ball bearings output axial load	[N]	1560
Taper bearings output axial load	[N]	2220

Accessories

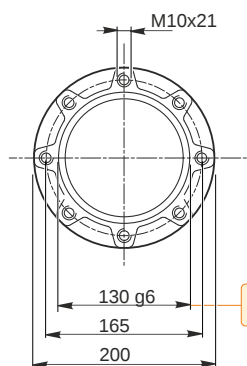
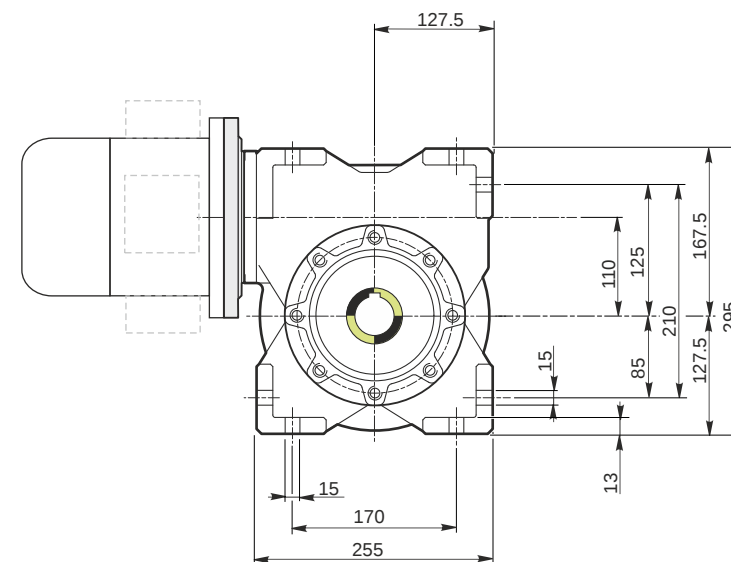
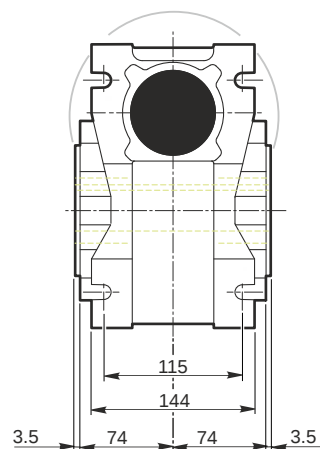
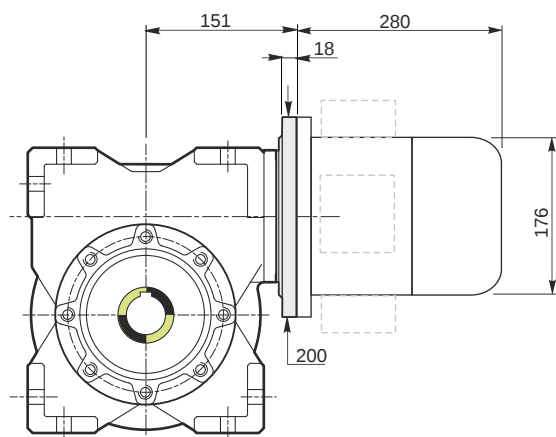
Hollow output shaft		AC 42
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Electric motor

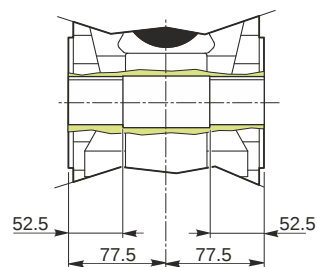
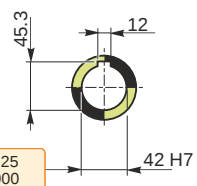
Size		90 L4
Poles		4
Power	[kW]	1.5

Electric motor configuration

Motor flange		B5
Terminal box position		X3

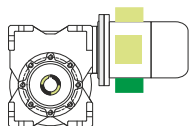


Hollow output shaft

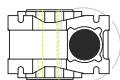


Mounting positions

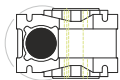
B3



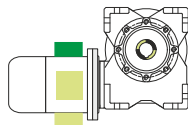
B6



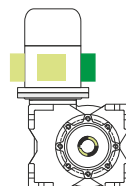
B7



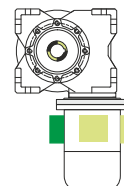
B8



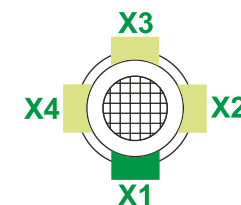
V5



V6



Terminal box position



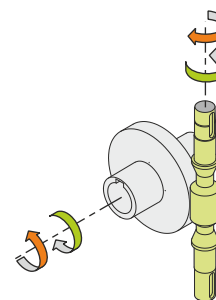
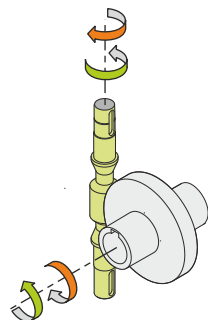
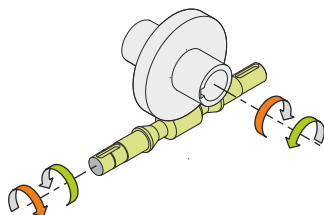
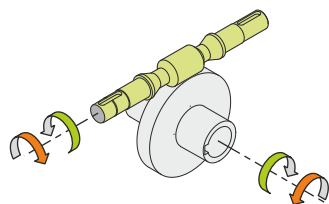
1.5



Oil quantity [litres]

Lubricant type: Long life synthetic oil ISO VG320

Direction of rotation



Weight

Gear unit [kg]	39
Electric motor [kg]	13.5

Gearing data

Axial module	3.2
Number of starts	1
Lead angle	4° 29'
Pressure angle	20°

Backdriving

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