

Input data

System of measurement		Metric
Input type		Gear motor
Input speed	[rpm]	1400
Output speed	[rpm]	70
Ratio (i=)		20
Frequency	[Hz]	50
Input options		IEC
Requested input power	[kW]	4
Service factor		1.4
Rated Power P1	[kW]	5.71

Output data

Gear unit **M RT 110 B3 20 112 B14 AC 42 MT 4 kW 112 A4 B14 X3**

Type		RT - Worm speed reducers
Input type		M
Size		110
Ratio (i=)		20
Input flange		B14
Input speed	[rpm]	1400
Output speed	[rpm]	70
Rated output torque	[Nm]	452.94
Service Factor		1.4
Efficiency		0.83
Inertia moment	[kgm ²]	0.001745

Gear unit configuration

Output shaft		Hollow output shaft
Fixing		Universal
Version		B3

Output radial and axial loads

Ball bearings output radial load	[N]	5400
Taper bearings output radial load	[N]	7500
Ball bearings output axial load	[N]	1080
Taper bearings output axial load	[N]	1500

Accessories

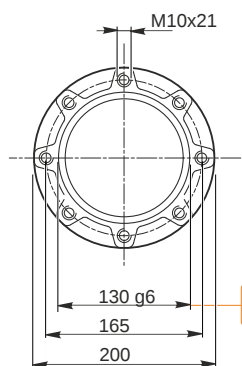
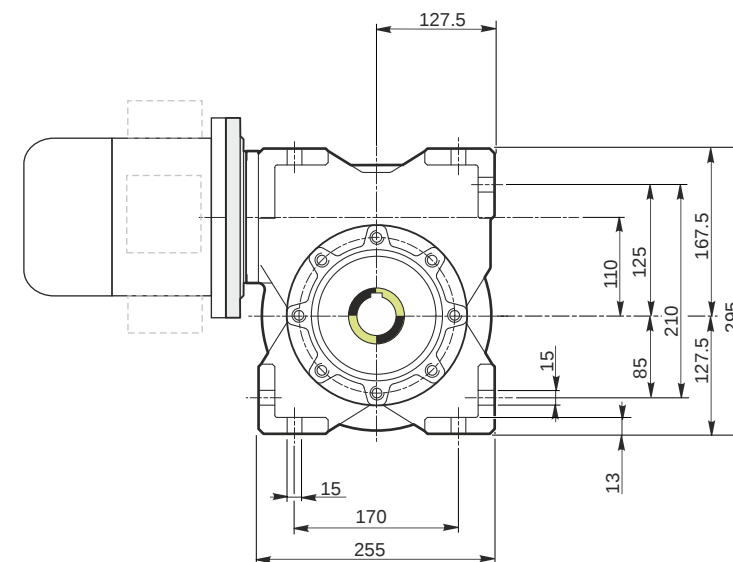
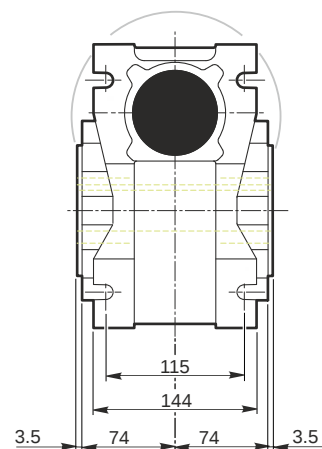
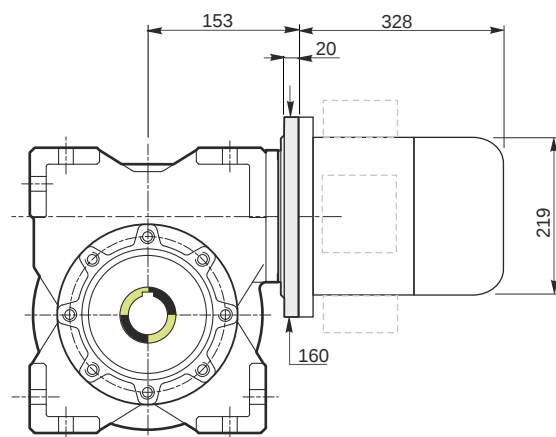
Hollow output shaft		AC 42
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Electric motor

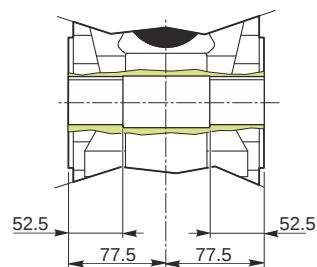
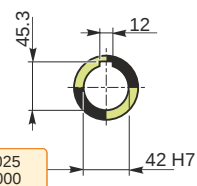
Size		112 A4
Poles		4
Power	[kW]	4

Electric motor configuration

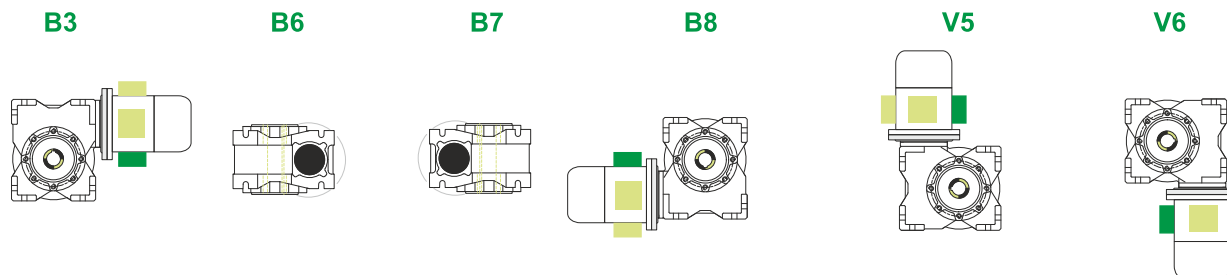
Motor flange		B14
Terminal box position		X3



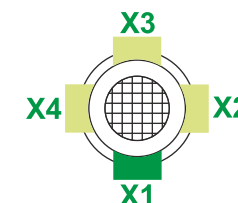
Hollow output shaft



Mounting positions



Terminal box position



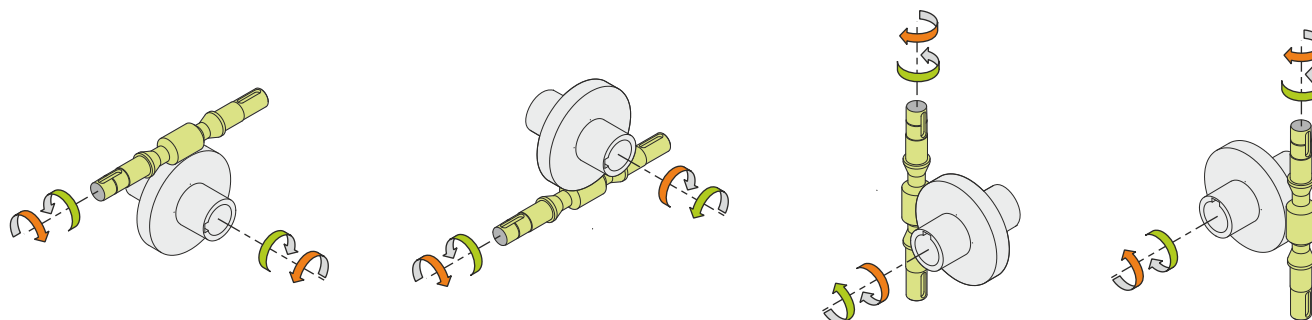
1.5



Oil quantity [litres]

Lubricant type: Long life synthetic oil ISO VG320

Direction of rotation



Weight

Gear unit [kg]	39
Electric motor [kg]	29

Gearing data

Axial module	4.4
Number of starts	2
Lead angle	11° 18'
Pressure angle	20°

Backdriving

Variable static self-locking
Quick back-driving in case of vibrations
Dynamic back-driving