Input data

System of measurement		Metric
Input type		Gear motor
Input speed	[rpm]	1400
Output speed	[rpm]	3.97
Ratio (i=)		353
Frequency	[Hz]	50
Input options		IEC
Requested input power	[kW]	0.25
Service factor		0.8
Rated Power P1	[kW]	0.19

Output data

Gear unit		**M TA 71/70 B3 10 353 71 B14 AC 28 MT 0.25 kW 71 A4 B14 X3**
Type		TA - Worm speed reducers
Input type		M
Size		71/70
Ratio (i=)		353
Gearbox ratio		100.00
Pre-stage ratio		3.53
Input flange		B14
Input speed	[rpm]	1400
Output speed	[rpm]	3.97
Rated output torque	[Nm]	234.78
Service Factor		0.8
Efficiency		0.39
Inertia moment	[kgm^2]	0.000084

Gear unit configuration

Output shaft		Hollow output shaft
Fixing		Universal
Version		B3
Attachment position		10

Output radial and axial loads

Ball bearings output radial load	[N]	6700
Taper bearings output radial load	[N]	7900
Ball bearings output axial load	[N]	1340
Taper bearings output axial load	[N]	1580

Accessories

Hollow output shaft		AC 28

Electric motor

Size		71 A4
Poles		4
Power	[kW]	0.25

Electric motor configuration

Motor flange		B14
Terminal box position		X3

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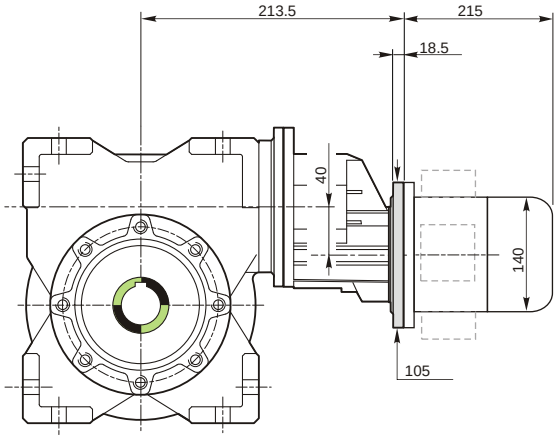
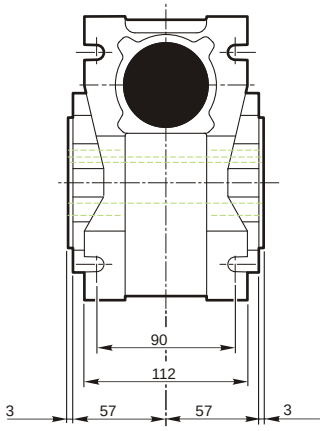
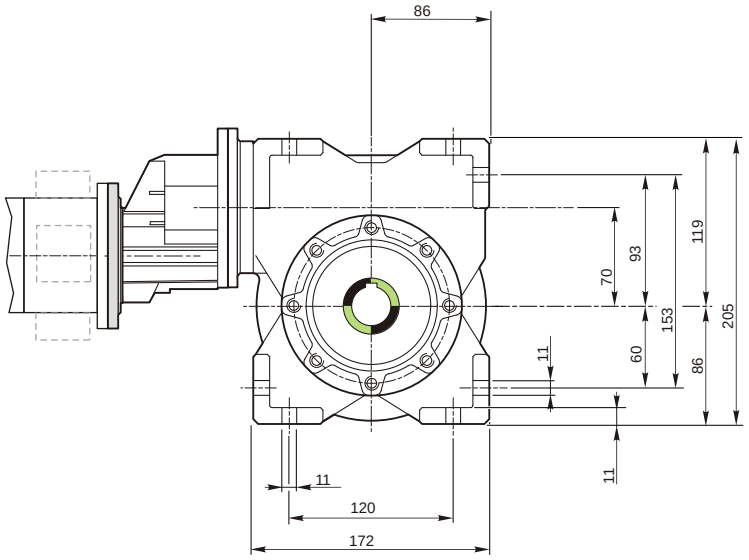
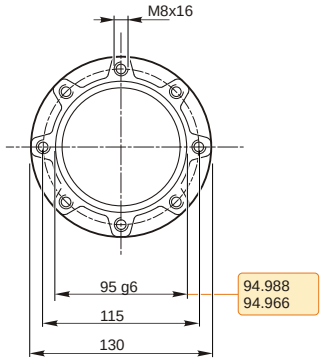




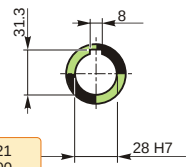


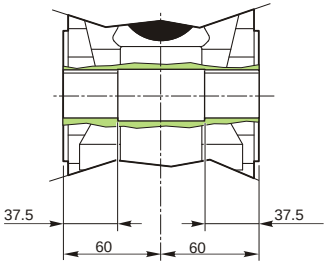


94.988
94.966

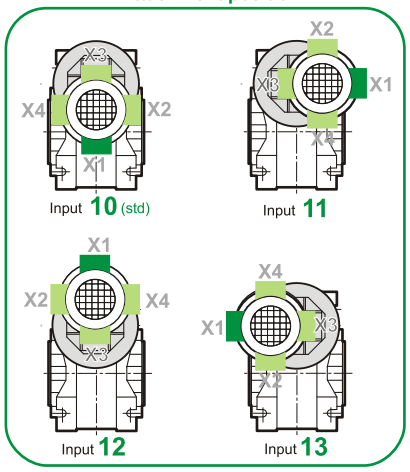
28.021
28.000

Hollow output shaft





Attachment position



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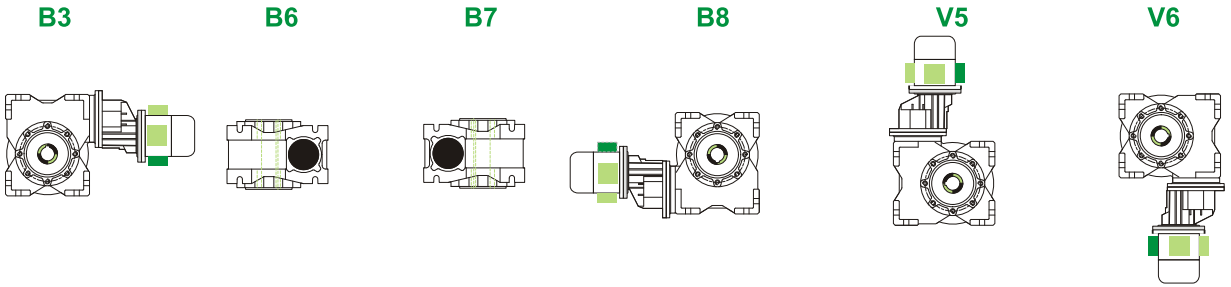
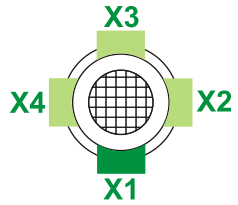
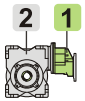
Mounting positions



Terminal box position



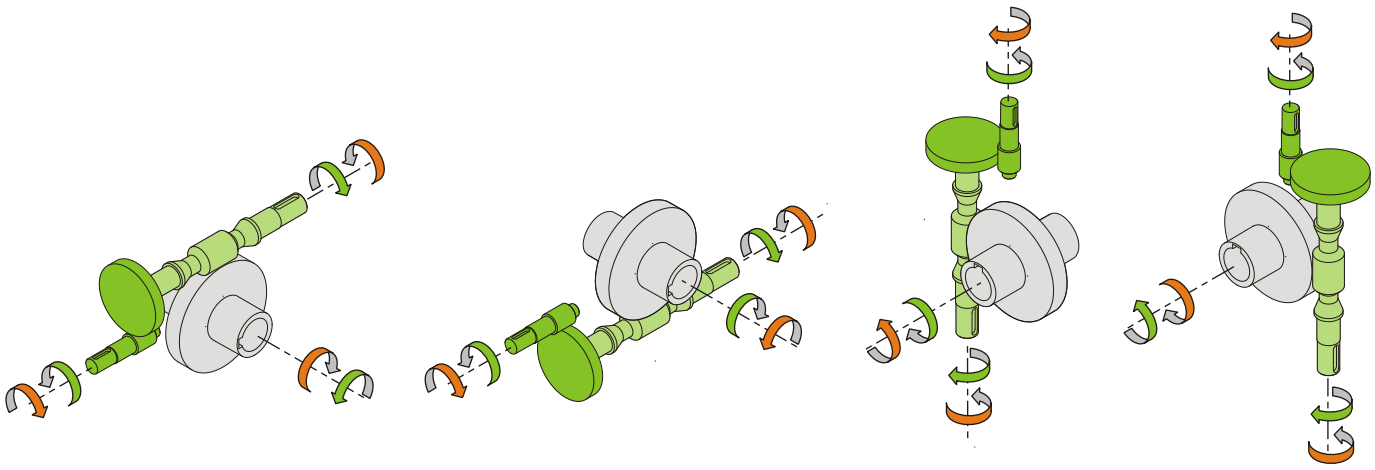
0.05	1
0.35	2



Oil quantity [litres]

Lubricant type: Long life synthetic oil ISO VG320

Direction of rotation



Weight

Gear unit [kg]	11.8
Electric motor [kg]	6.2

Gearing data

Axial module	1.15
Number of starts	1
Lead angle	2° 38'
Pressure angle	20°

Backdriving

Static self-locking
No back-driving
Low dynamic back-driving

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