Input data

System of measurement		Metric
Input type		Gear motor
Input speed	[rpm]	1400
Output speed	[rpm]	93.33
Ratio (i=)		15
Frequency	[Hz]	50
Input options		IEC
Requested input power	[kW]	2.2
Service factor		1
Rated Power P1	[kW]	2.21

Output data

Gear unit		**M RS 70 PC 15 100 B14 AC 28 MT 2.2 kW 100 A4 B14 X3 B3**
Type		RS - Worm speed reducers
Input type		M
Size		70
Ratio (i=)		15
Input flange		B14
Mounting position		B3
Input speed	[rpm]	1400
Output speed	[rpm]	93.33
Rated output torque	[Nm]	186.84
Service Factor		1
Efficiency		0.83
Inertia moment	[kgm^2]	0.000257

Gear unit configuration

Output shaft		Hollow output shaft
Fixing		Shaft mounting
Version		PC

Output radial and axial loads

Ball bearings output radial load	[N]	3600
Taper bearings output radial load	[N]	4500
Ball bearings output axial load	[N]	720
Taper bearings output axial load	[N]	900

Accessories

Hollow output shaft		AC 28

Electric motor

Size		100 A4
Poles		4
Power	[kW]	2.2

Electric motor configuration

Motor flange		B14
Terminal box position		X3

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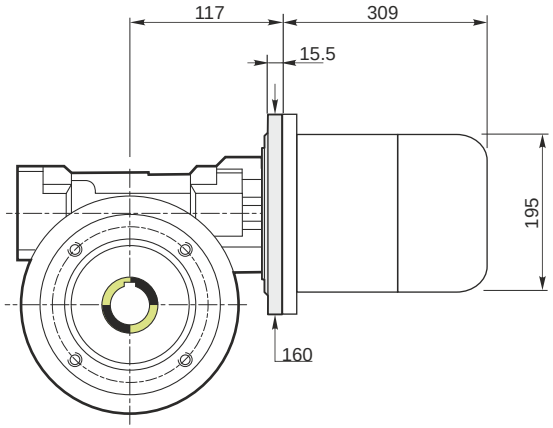
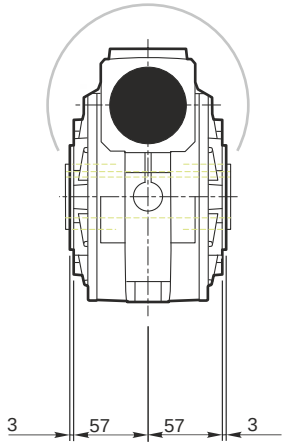
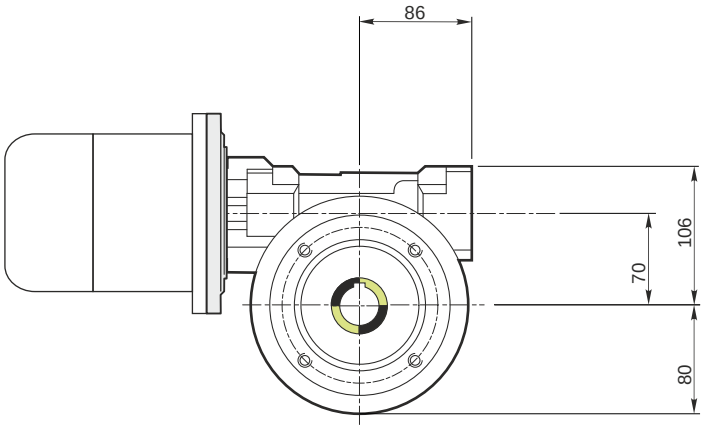
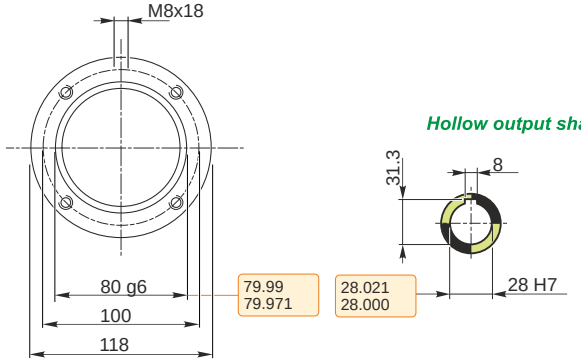
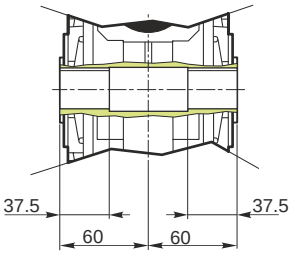








Hollow output shaft



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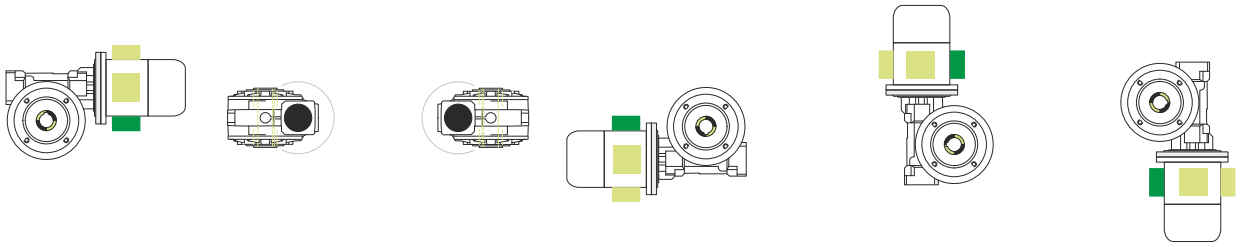
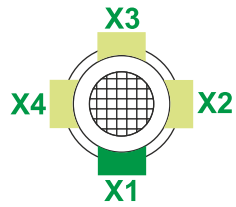
Mounting positions

B3 B6 B7 B8 V5 V6



Terminal box position

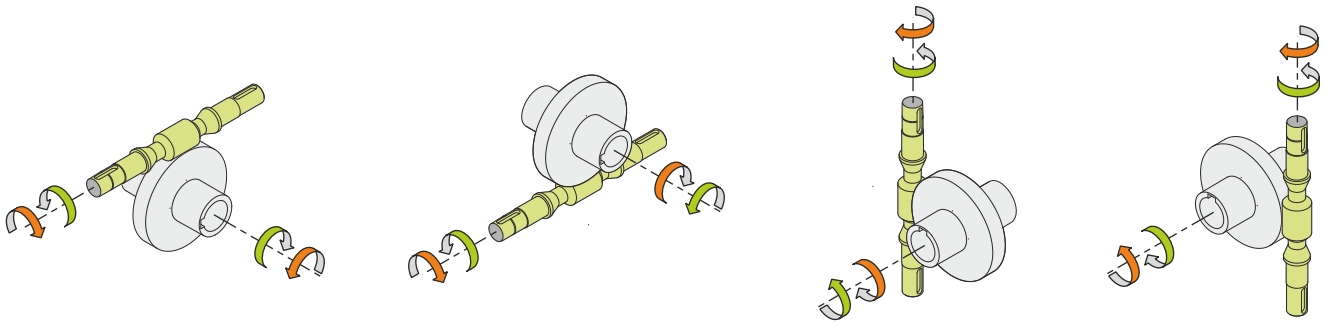


0.35

Oil quantity [litres]

Lubricant type: Long life synthetic oil ISO VG320

Direction of rotation



Weight

Gear unit [kg]	9
Electric motor [kg]	21

Gearing data

Axial module	3.6
Number of starts	2
Lead angle	12° 40’
Pressure angle	20°

Backdriving

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

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