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]	11
Service factor		1.1
Rated Power P1	[kW]	12.48

Output data

Gear unit		**M RS 150 PC 20 160 B5 AC 55 MT 11 kW 160 M4 B5 X3 B3**
Type		RS - Worm speed reducers
Input type		M
Size		150
Ratio (i=)		20
Input flange		B5
Mounting position		B3
Input speed	[rpm]	1400
Output speed	[rpm]	70
Rated output torque	[Nm]	1260.6
Service Factor		1.1
Efficiency		0.84
Inertia moment	[kgm^2]	0.006086

Gear unit configuration

Output shaft		Hollow output shaft
Fixing		Shaft mounting
Version		PC

Output radial and axial loads

Ball bearings output radial load	[N]	8800
Taper bearings output radial load	[N]	13200
Ball bearings output axial load	[N]	1760
Taper bearings output axial load	[N]	2640

Accessories

Hollow output shaft		AC 55

Electric motor

Size		160 M4
Poles		4
Power	[kW]	11

Electric motor configuration

Motor flange		B5
Terminal box position		X3

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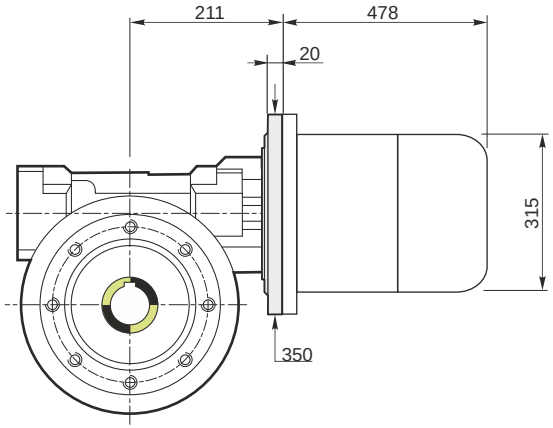
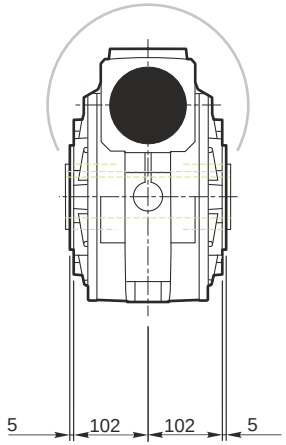
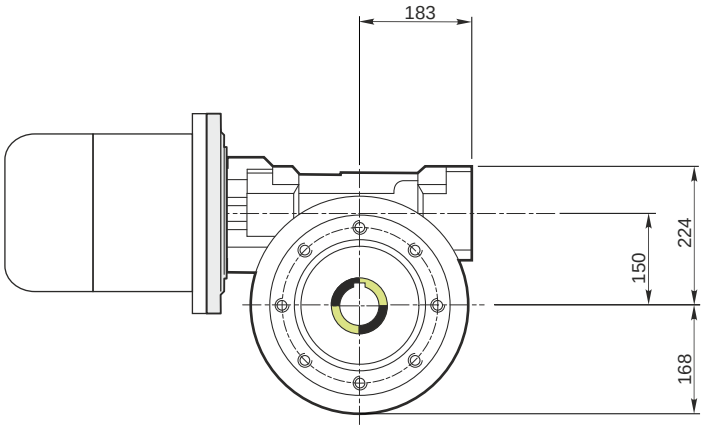
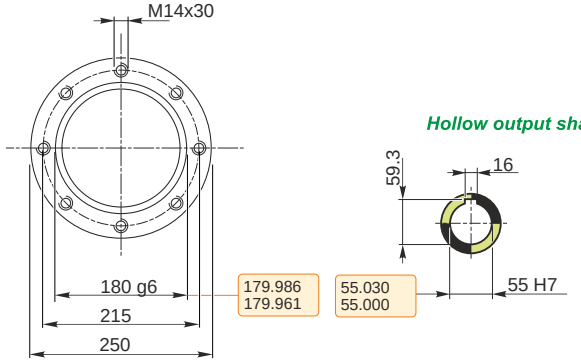
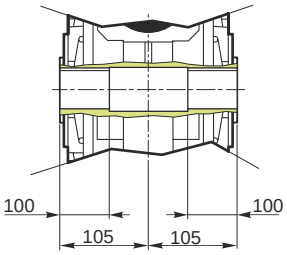








Hollow output shaft



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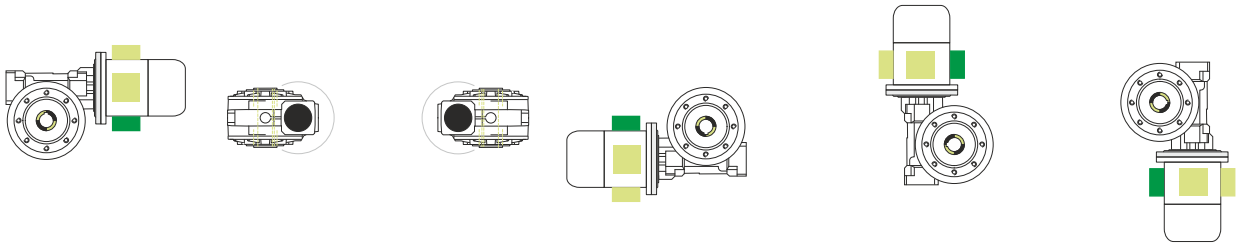
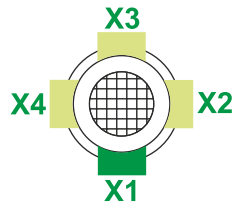
Mounting positions

B3 B6 B7 B8 V5 V6



Terminal box position

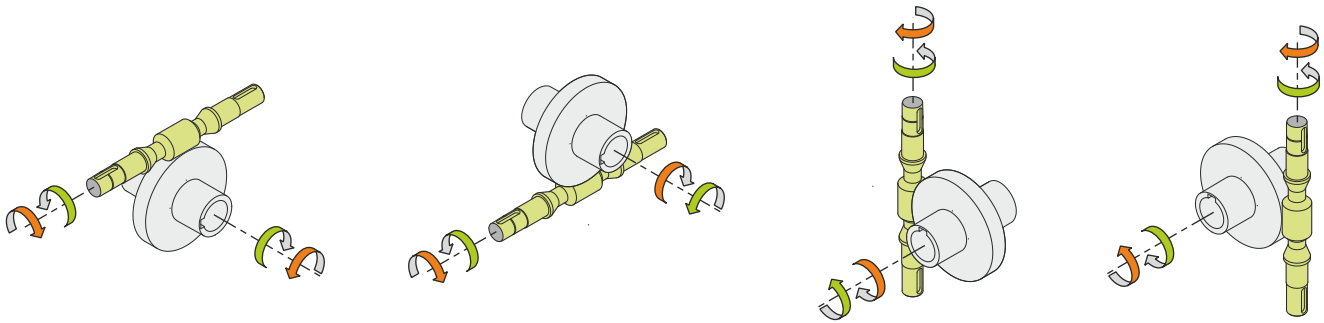


4.4

Oil quantity [litres]

Lubricant type: Long life synthetic oil ISO VG320

Direction of rotation



Weight

Gear unit [kg]	80
Electric motor [kg]	90

Gearing data

Axial module	6.20
Number of starts	2
Lead angle	13° 24’
Pressure angle	20°

Backdriving

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

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