Input data

System of measurement		Metric
Input type		Gear motor
Input speed	[rpm]	1400
Output speed	[rpm]	28.57
Ratio (i=)		49
Frequency	[Hz]	50
Input options		IEC
Requested input power	[kW]	5.5
Service factor		1.1
Rated Power P1	[kW]	5.9

Output data

Gear unit		**M RS 150 PC 49 132 B14 AC 55 MT 5.5 kW 132 S4 B14 X3 B3**
Type		RS - Worm speed reducers
Input type		M
Size		150
Ratio (i=)		49
Input flange		B14
Mounting position		B3
Input speed	[rpm]	1400
Output speed	[rpm]	28.57
Rated output torque	[Nm]	1342.01
Service Factor		1.1
Efficiency		0.73
Inertia moment	[kgm^2]	0.005843

Gear unit configuration

Output shaft		Hollow output shaft
Fixing		Shaft mounting
Version		PC

Output radial and axial loads

Ball bearings output radial load	[N]	12000
Taper bearings output radial load	[N]	18000
Ball bearings output axial load	[N]	2400
Taper bearings output axial load	[N]	3600

Accessories

Hollow output shaft		AC 55

Electric motor

Size		132 S4
Poles		4
Power	[kW]	5.5

Electric motor configuration

Motor flange		B14
Terminal box position		X3

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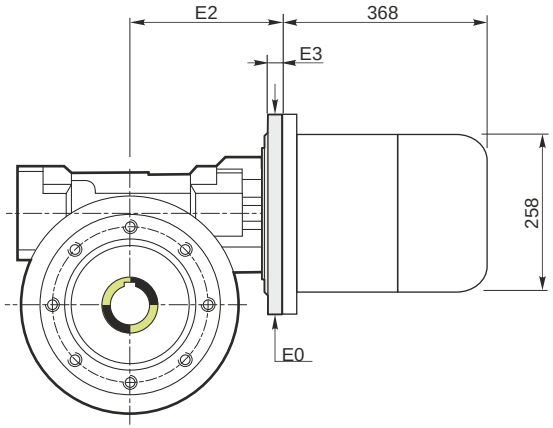
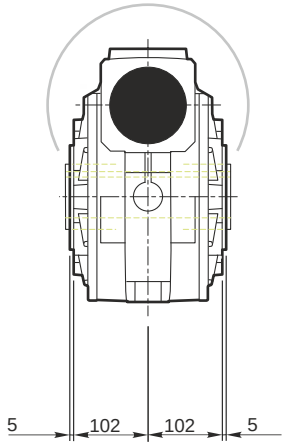
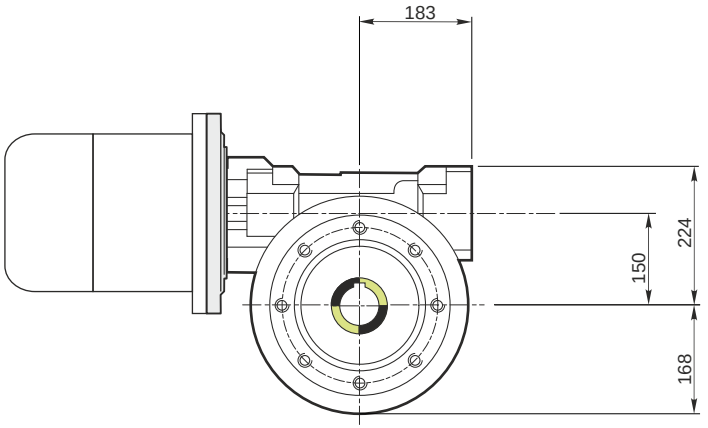
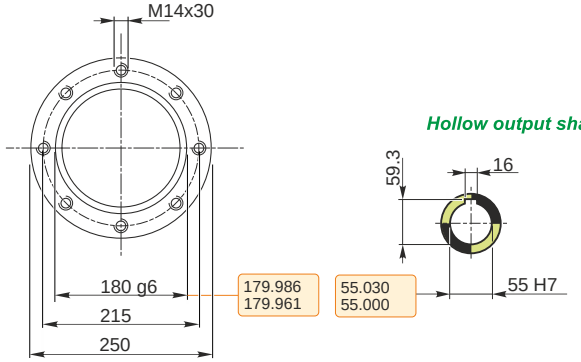
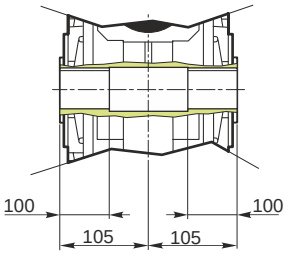








Hollow output shaft



M RS 150 PC 49 132 B14 AC 55 MT 5.5 kW 132 S4 B14 X3 B3

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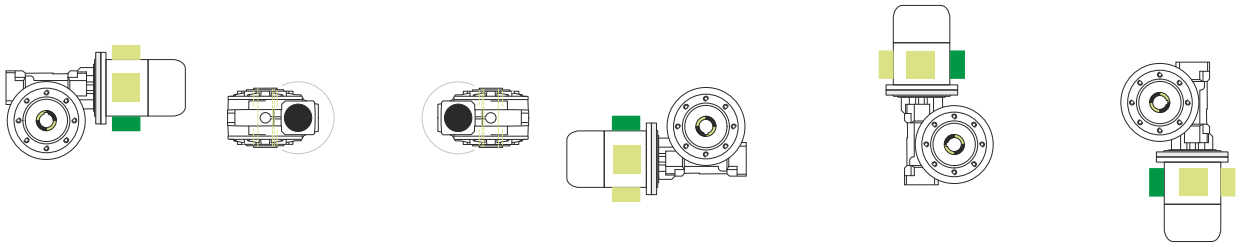
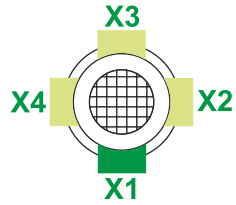
Mounting positions

B3 B6 B7 B8 V5 V6



Terminal box position

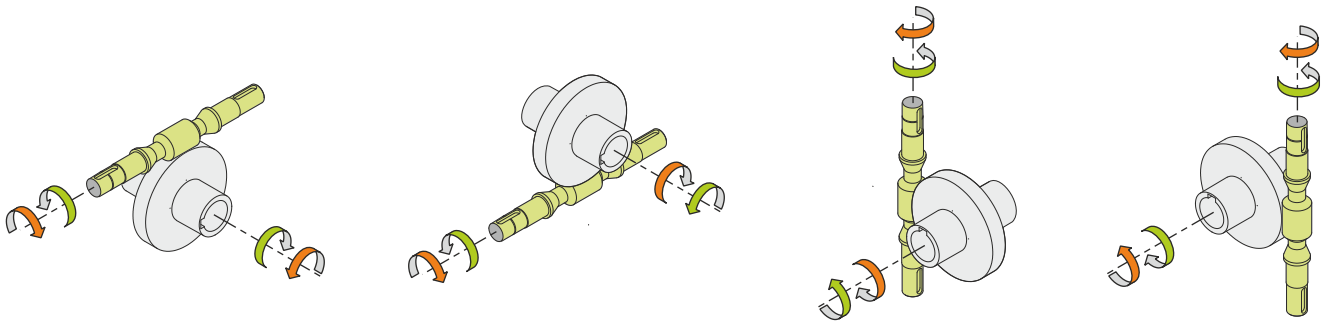


4.4

Oil quantity [litres]

Lubricant type: Long life synthetic oil ISO VG320

Direction of rotation



Weight

Gear unit [kg]	80
Electric motor [kg]	43

Gearing data

Axial module	5.10
Number of starts	1
Lead angle	5° 48’
Pressure angle	20°

Backdriving

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

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