

Input data

System of measurement		Metric
Input type		Gear motor
Input speed	[rpm]	1400
Output speed	[rpm]	140
Ratio (i=)		10
Frequency	[Hz]	50
Input options		IEC
Requested input power	[kW]	4
Service factor		1.1
Rated Power P1	[kW]	4.57

Output data

Gear unit	M RS 85 PC 10 112 B14 AC 32 MT 4 kW 112 A4 B14 X3 B3
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Type		RS - Worm speed reducers
Input type		M
Size		85
Ratio (i=)		10
Input flange		B14
Mounting position		B3
Input speed	[rpm]	1400
Output speed	[rpm]	140
Rated output torque	[Nm]	234.66
Service Factor		1.1
Efficiency		0.86
Inertia moment	[kgm ²]	0.000413

Gear unit configuration

Output shaft	Hollow output shaft
Fixing	Shaft mounting
Version	PC

Output radial and axial loads

Ball bearings output radial load	[N]	3700
Taper bearings output radial load	[N]	4600
Ball bearings output axial load	[N]	740
Taper bearings output axial load	[N]	920

Accessories

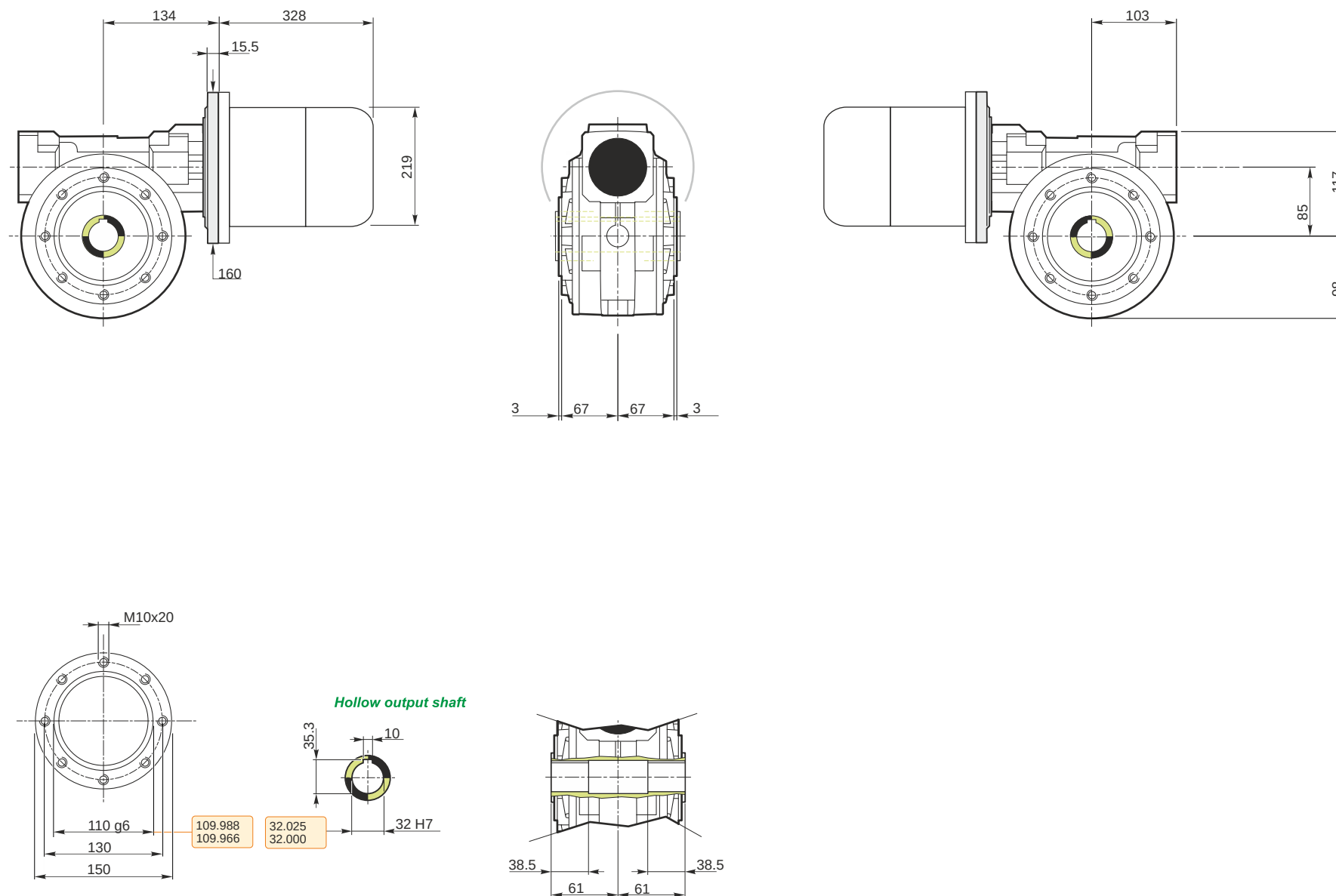
Hollow output shaft	AC 32
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Electric motor

Size		112 A4
Poles		4
Power	[kW]	4

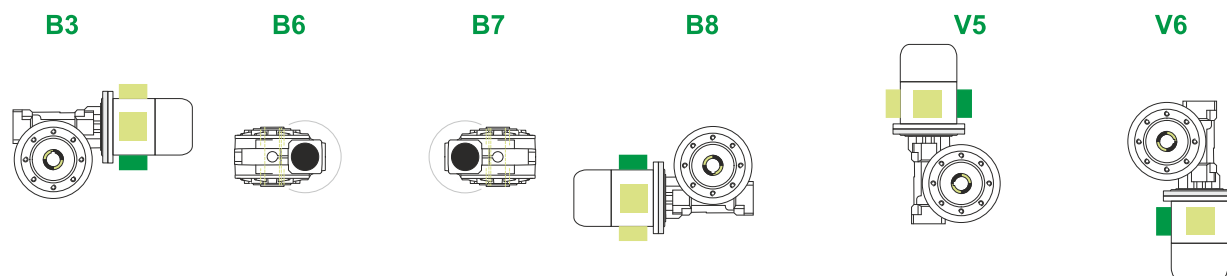
Electric motor configuration

Motor flange	B14
Terminal box position	X3

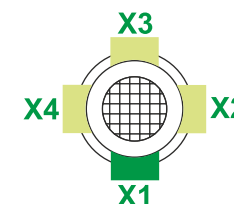


M RS 85 PC 10 112 B14 AC 32 MT 4 kW 112 A4 B14 X3 B3

Mounting positions



Terminal box position



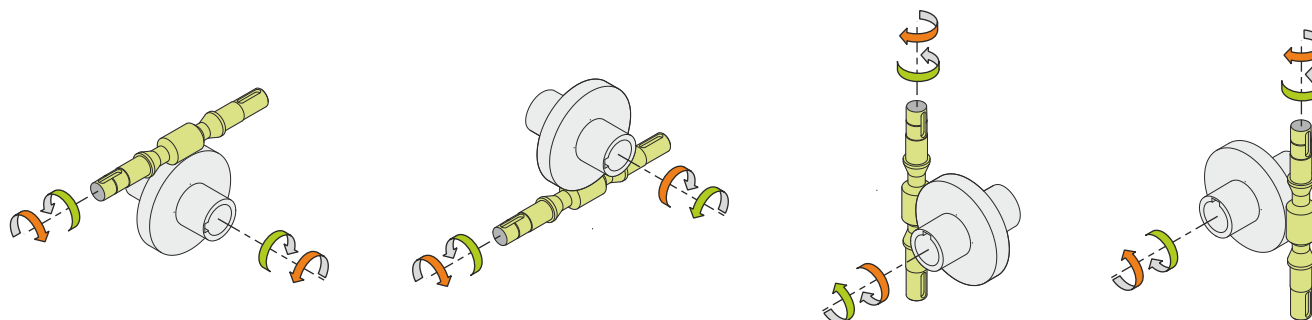
0.6



← Oil quantity [litres]

Lubricant type: Long life synthetic oil ISO VG320

Direction of rotation



Weight

Gear unit [kg]	13.5
Electric motor [kg]	29

Gearing data

Axial module	4.4
Number of starts	3
Lead angle	19° 09'
Pressure angle	20°

Backdriving

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