

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]	3
Service factor		1.5
Rated Power P1	[kW]	4.57

Output data

Gear unit	M RT 85 B3 10 100 B14 AC 32 MT 3 kW 100 B4 B14 X3
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Type		RT - Worm speed reducers
Input type		M
Size		85
Ratio (i=)		10
Input flange		B14
Input speed	[rpm]	1400
Output speed	[rpm]	140
Rated output torque	[Nm]	175.99
Service Factor		1.5
Efficiency		0.86
Inertia moment	[kgm ²]	0.000413

Gear unit configuration

Output shaft		Hollow output shaft
Fixing		Universal
Version		B3

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

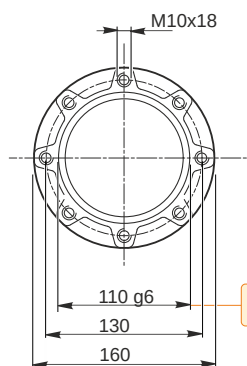
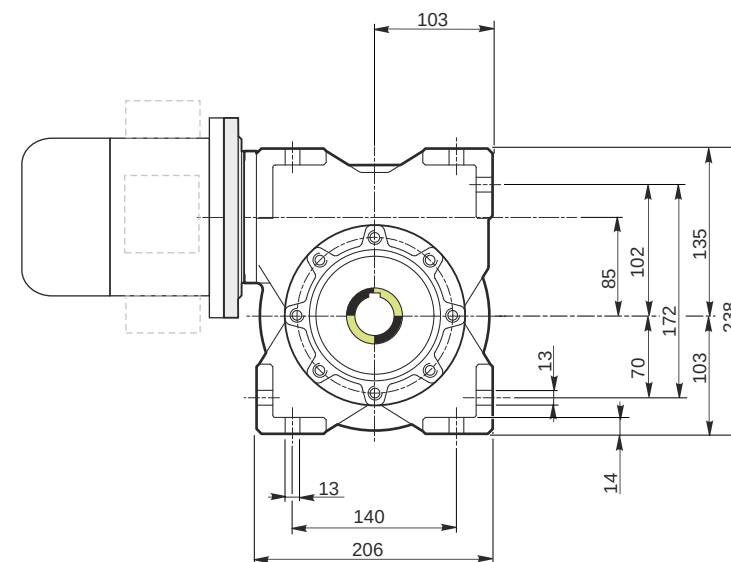
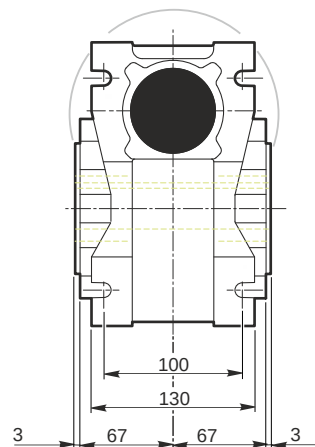
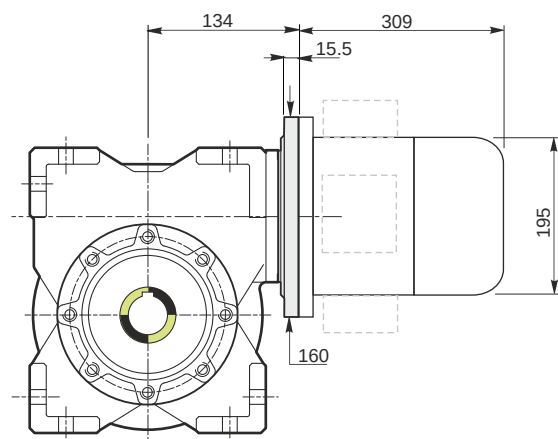
Hollow output shaft		AC 32
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Electric motor

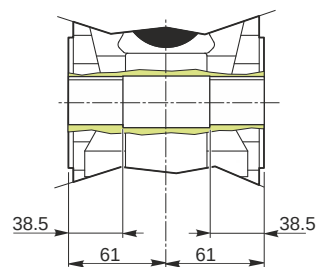
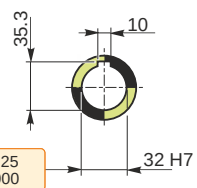
Size		100 B4
Poles		4
Power	[kW]	3

Electric motor configuration

Motor flange		B14
Terminal box position		X3

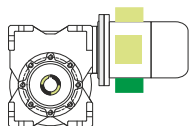


Hollow output shaft

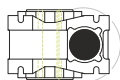


Mounting positions

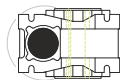
B3



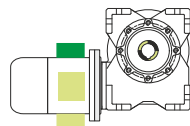
B6



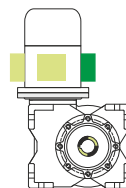
B7



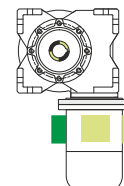
B8



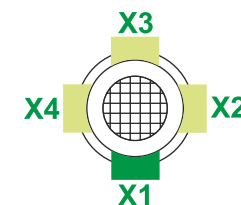
V5



V6



Terminal box position



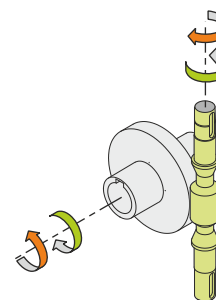
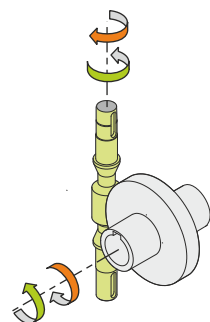
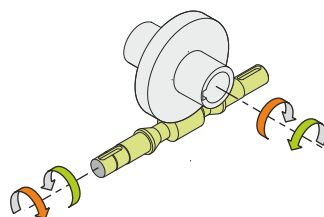
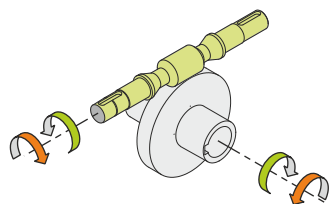
0.6



Oil quantity [litres]

Lubricant type: Long life synthetic oil ISO VG320

Direction of rotation



Weight

Gear unit [kg]	13.5
Electric motor [kg]	21

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

M RT 85 B3 10 100 B14 AC 32 MT 3 kW 100 B4 B14 X3