

Input data

System of measurement		Metric
Input type		Gear motor
Input speed	[rpm]	1400
Output speed	[rpm]	31.25
Ratio (i=)		44.8
Frequency	[Hz]	50
Input options		IEC
Requested input power	[kW]	0.75
Service factor		1.2
Rated Power P1	[kW]	0.9

Output data

Gear unit	M RA 80/60 PC 10 44.8 80 B14 AC 25 MT 0.75 kW 80 B4 B14 X3 B3
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Type		RA - Worm speed reducers
Input type		M
Size		80/60
Ratio (i=)		44.8
Gearbox ratio		7.00
Pre-stage ratio		6.40
Input flange		B14
Mounting position		B3
Input speed	[rpm]	1400
Output speed	[rpm]	31.25
Rated output torque	[Nm]	181.07
Service Factor		1.2
Efficiency		0.79
Inertia moment	[kgm ²]	0.000259

Gear unit configuration

Output shaft		Hollow output shaft
Fixing		Shaft mounting
Version		PC
Attachment position		10

Output radial and axial loads

Ball bearings output radial load	[N]	4100
Taper bearings output radial load	[N]	5450
Ball bearings output axial load	[N]	820
Taper bearings output axial load	[N]	1090

Accessories

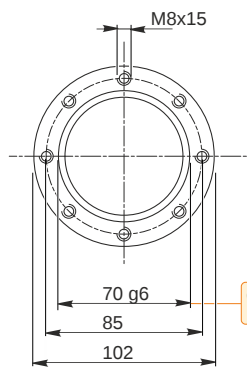
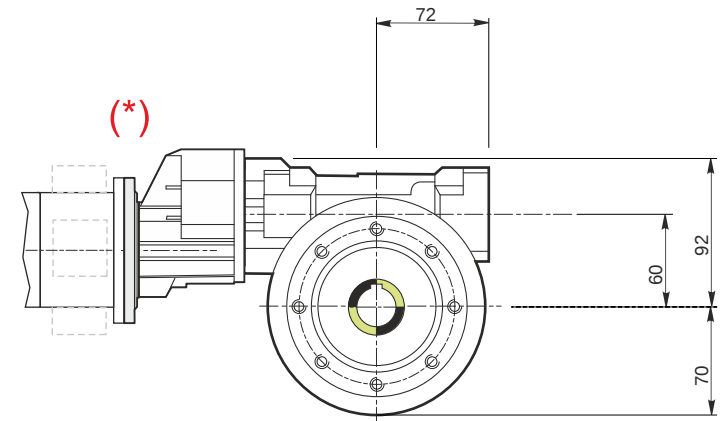
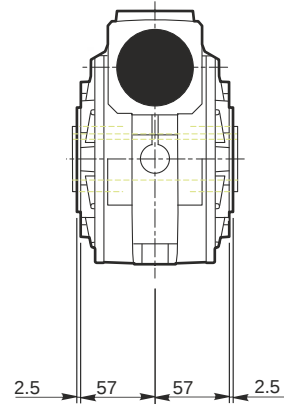
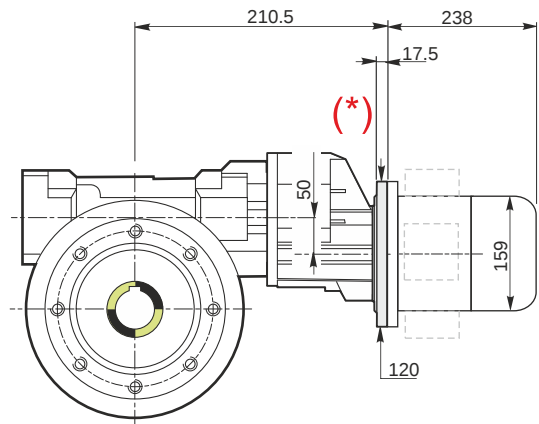
Hollow output shaft		AC 25
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Electric motor

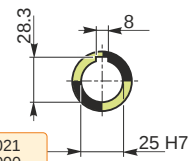
Size		80 B4
Poles		4
Power	[kW]	0.75

Electric motor configuration

Motor flange		B14
Terminal box position		X3

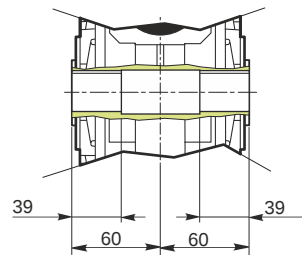


Hollow output shaft

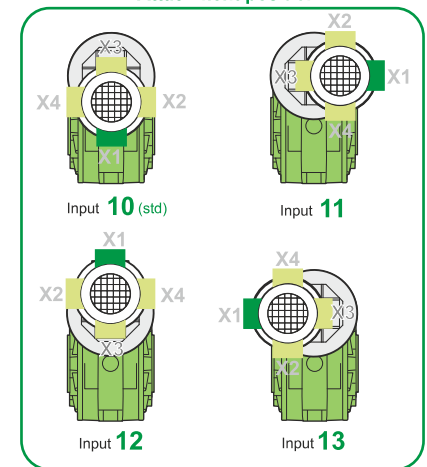


69.99
69.971

25.021
25.000

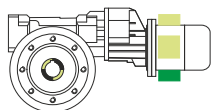


Attachment position

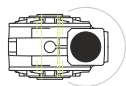


Mounting positions

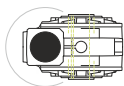
B3



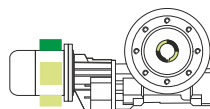
B6



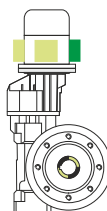
B7



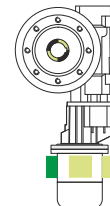
B8



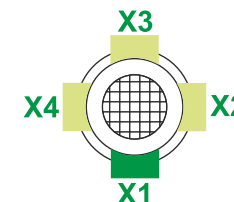
V5



V6



Terminal box position

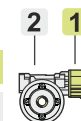


0.1

1

0.23

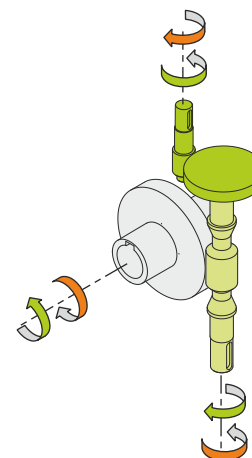
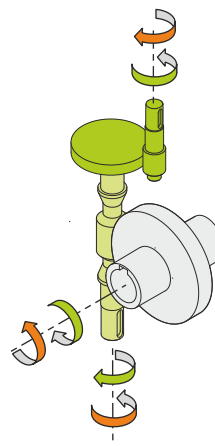
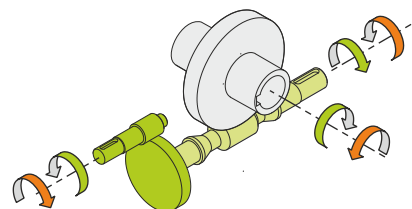
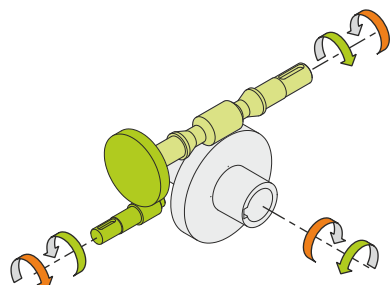
2



Oil quantity [litres]

Lubricant type: Long life synthetic oil ISO VG320

Direction of rotation



Weight

Gear unit [kg]	10.5
Electric motor [kg]	9.8

Gearing data

Axial module	3.3
Number of starts	4
Lead angle	25° 33'
Pressure angle	20°

Backdriving

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

M RA 80/60 PC 10 44.8 80 B14 AC 25 MT 0.75 kW 80 B4 B14 X3 B3