

Input data

System of measurement		Metric
Input type		Gear motor
Input speed	[rpm]	1400
Output speed	[rpm]	18.04
Ratio (i=)		77.6
Frequency	[Hz]	50
Input options		IEC
Requested input power	[kW]	3
Service factor		1.7
Rated Power P1	[kW]	5.12

Output data

Gear unit	M RA 100/150 PC 10 77.6 100 B14 AC 55 MT 3 kW 100 B4 B14 X3 B3
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Type		RA - Worm speed reducers
Input type		M
Size		100/150
Ratio (i=)		77.6
Gearbox ratio		20.00
Pre-stage ratio		3.88
Input flange		B14
Mounting position		B3
Input speed	[rpm]	1400
Output speed	[rpm]	18.04
Rated output torque	[Nm]	1206.9
Service Factor		1.7
Efficiency		0.76

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]	13000
Taper bearings output radial load	[N]	19500
Ball bearings output axial load	[N]	2600
Taper bearings output axial load	[N]	3900

Accessories

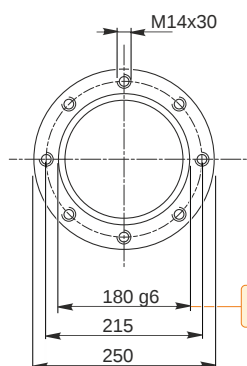
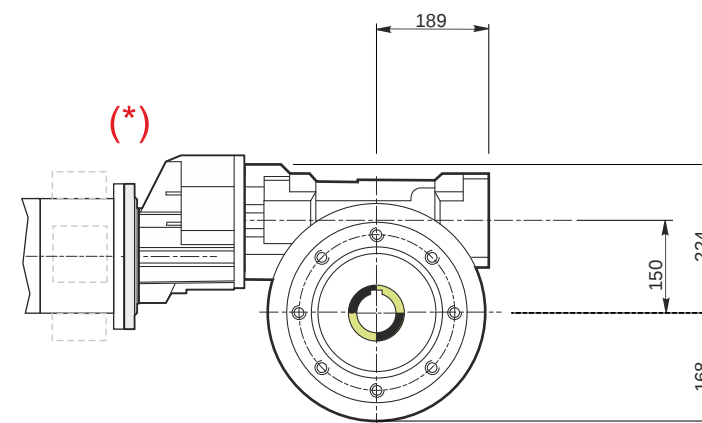
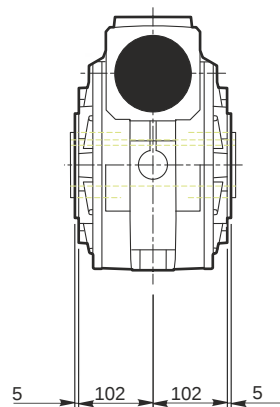
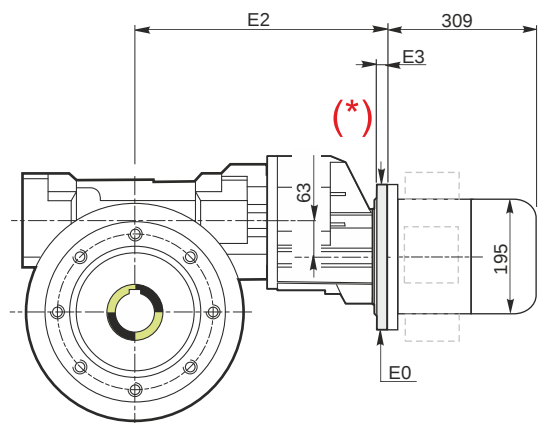
Hollow output shaft	AC 55
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Electric motor

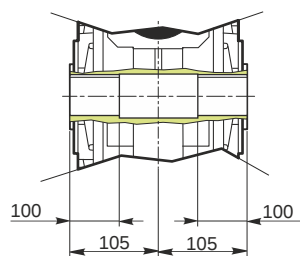
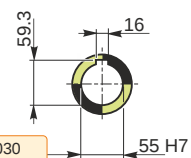
Size		100 B4
Poles		4
Power	[kW]	3

Electric motor configuration

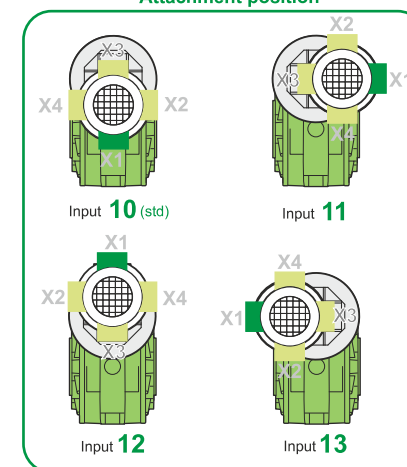
Motor flange	B14
Terminal box position	X3



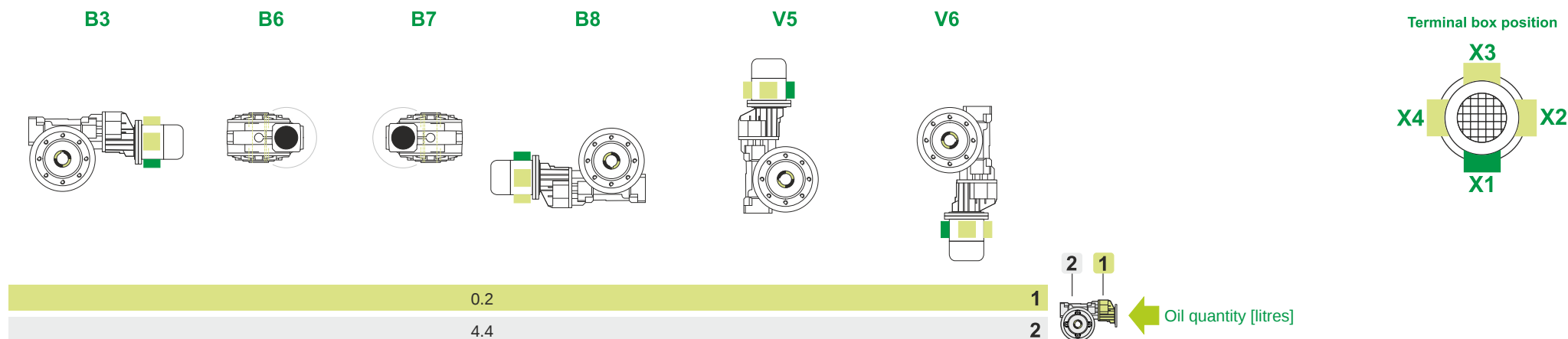
Hollow output shaft



Attachment position

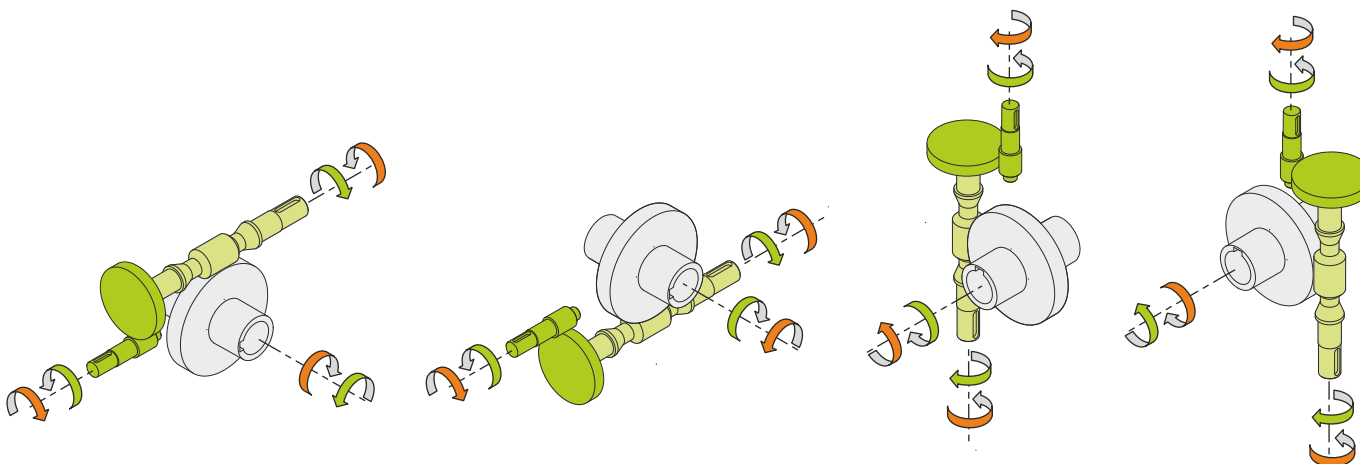


Mounting positions



Lubricant type: Long life synthetic oil ISO VG320

Direction of rotation



Weight

Gear unit [kg]	94
Electric motor [kg]	21

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