

Input data

System of measurement		Metric
Input type		Gear motor
Input speed	[rpm]	1400
Output speed	[rpm]	11.11
Ratio (i=)		126
Frequency	[Hz]	50
Input options		IEC
Requested input power	[kW]	3
Service factor		1
Rated Power P1	[kW]	2.93

Output data

Gear unit	M RA 100/130 PC 10 126 100 B14 AC 48 MT 3 kW 100 B4 B14 X3 B3
------------------	--

Type		RA - Worm speed reducers
Input type		M
Size		100/130
Ratio (i=)		126
Gearbox ratio		15.00
Pre-stage ratio		8.40
Input flange		B14
Mounting position		B3
Input speed	[rpm]	1400
Output speed	[rpm]	11.11
Rated output torque	[Nm]	1882.31
Service Factor		1
Efficiency		0.73

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]	11900
Taper bearings output radial load	[N]	14500
Ball bearings output axial load	[N]	2380
Taper bearings output axial load	[N]	2900

Accessories

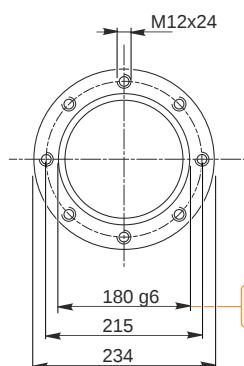
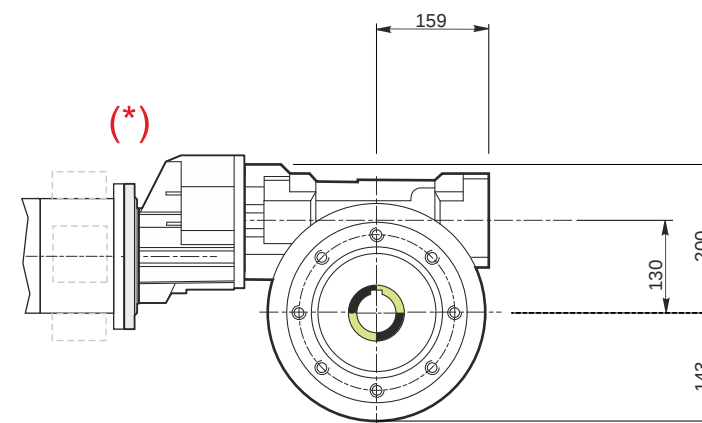
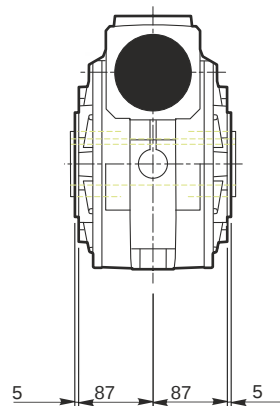
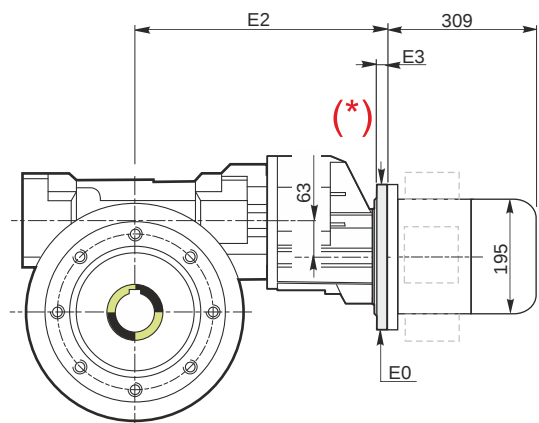
Hollow output shaft	AC 48
---------------------	-------

Electric motor

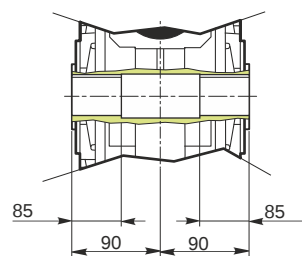
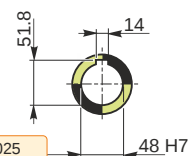
Size		100 B4
Poles		4
Power	[kW]	3

Electric motor configuration

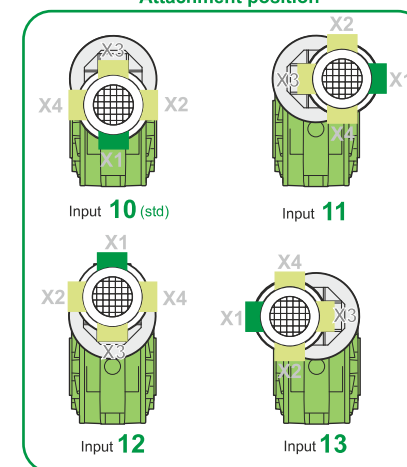
Motor flange	B14
Terminal box position	X3



Hollow output shaft

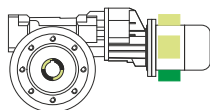


Attachment position

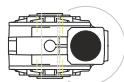


Mounting positions

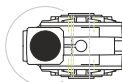
B3



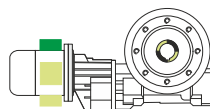
B6



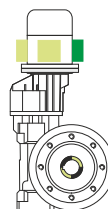
B7



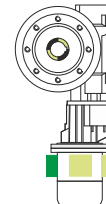
B8



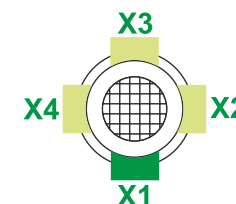
V5



V6



Terminal box position

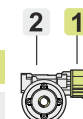


0.2

1

2.75

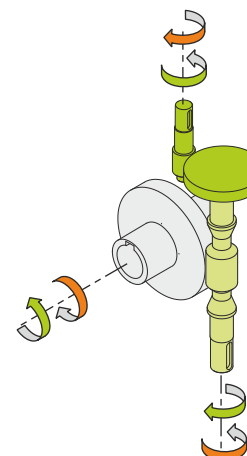
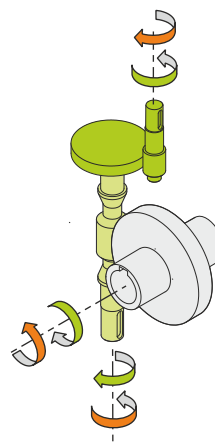
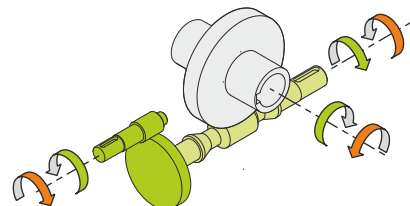
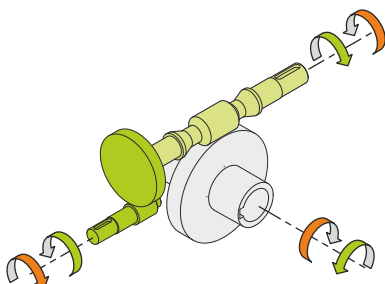
2



Oil quantity [litres]

Lubricant type: Long life synthetic oil ISO VG320

Direction of rotation



Weight

Gear unit [kg]	64
Electric motor [kg]	21

Gearing data

Axial module	6.85
Number of starts	2
Lead angle	14° 06'
Pressure angle	20°

Backdriving

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