

Input data

System of measurement		Metric
Input type		Gear motor
Input speed	[rpm]	1400
Output speed	[rpm]	4.46
Ratio (i=)		313.6
Frequency	[Hz]	50
Input options		IEC
Requested input power	[kW]	0.25
Service factor		1
Rated Power P1	[kW]	0.25

Output data

Gear unit	M RA 71/70 PC 10 313.6 71 B14 AC 28 MT 0.25 kW 71 A4 B14 X3 B3
------------------	---

Type		RA - Worm speed reducers
Input type		M
Size		71/70
Ratio (i=)		313.6
Gearbox ratio		49.00
Pre-stage ratio		6.40
Input flange		B14
Mounting position		B3
Input speed	[rpm]	1400
Output speed	[rpm]	4.46
Rated output torque	[Nm]	267.4
Service Factor		1
Efficiency		0.5
Inertia moment	[kgm²]	0.000051

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]	6700
Taper bearings output radial load	[N]	7900
Ball bearings output axial load	[N]	1340
Taper bearings output axial load	[N]	1580

Accessories

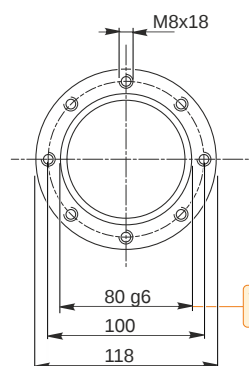
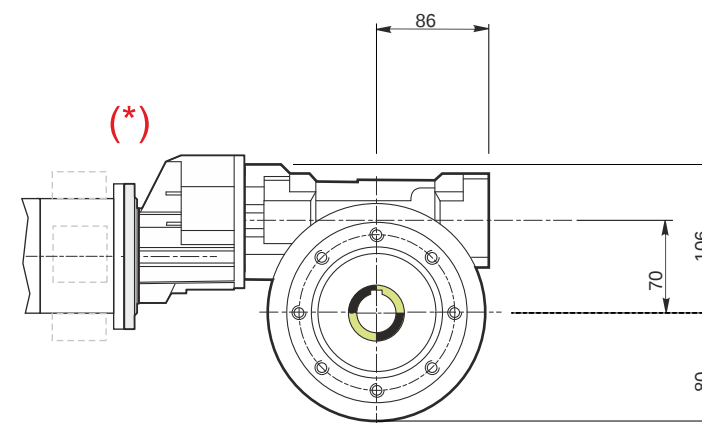
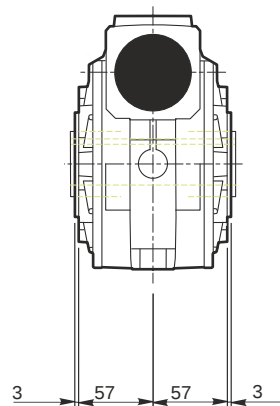
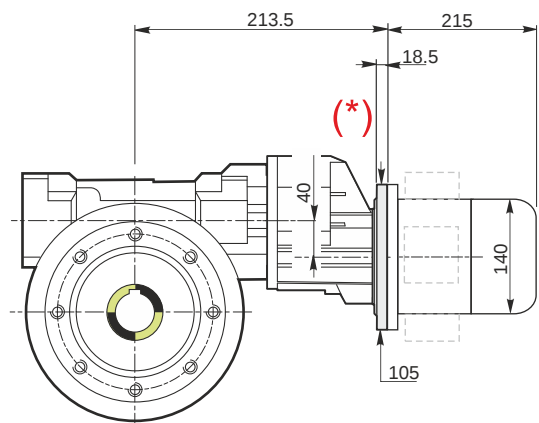
Hollow output shaft	AC 28
---------------------	-------

Electric motor

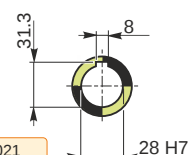
Size		71 A4
Poles		4
Power	[kW]	0.25

Electric motor configuration

Motor flange	B14
Terminal box position	X3

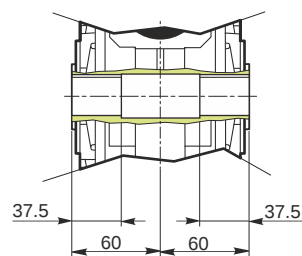


Hollow output shaft

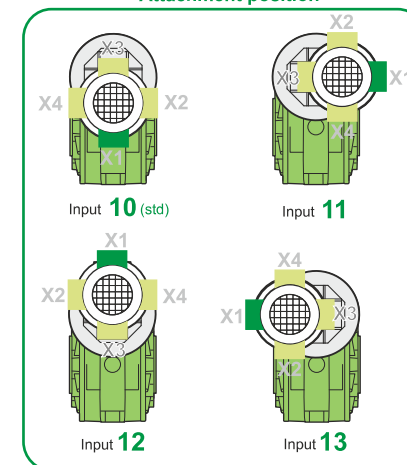


79.99
79.971

28.021
28.000



Attachment position



Mounting positions

B3

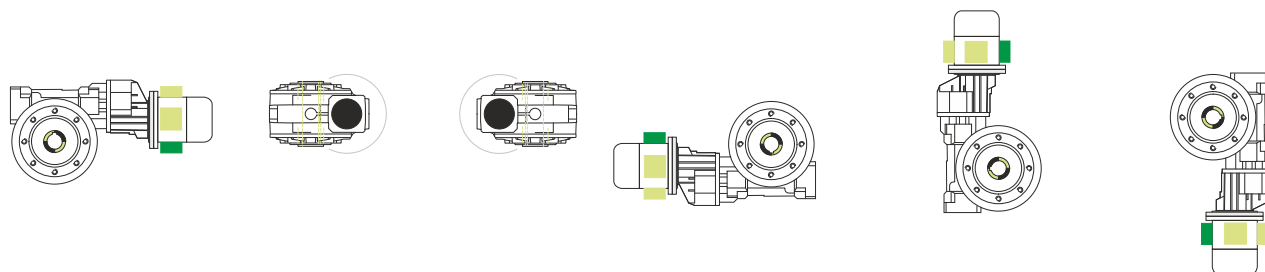
B6

B7

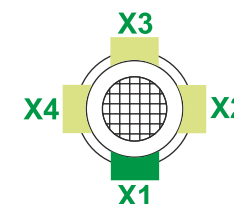
B8

V5

V6



Terminal box position



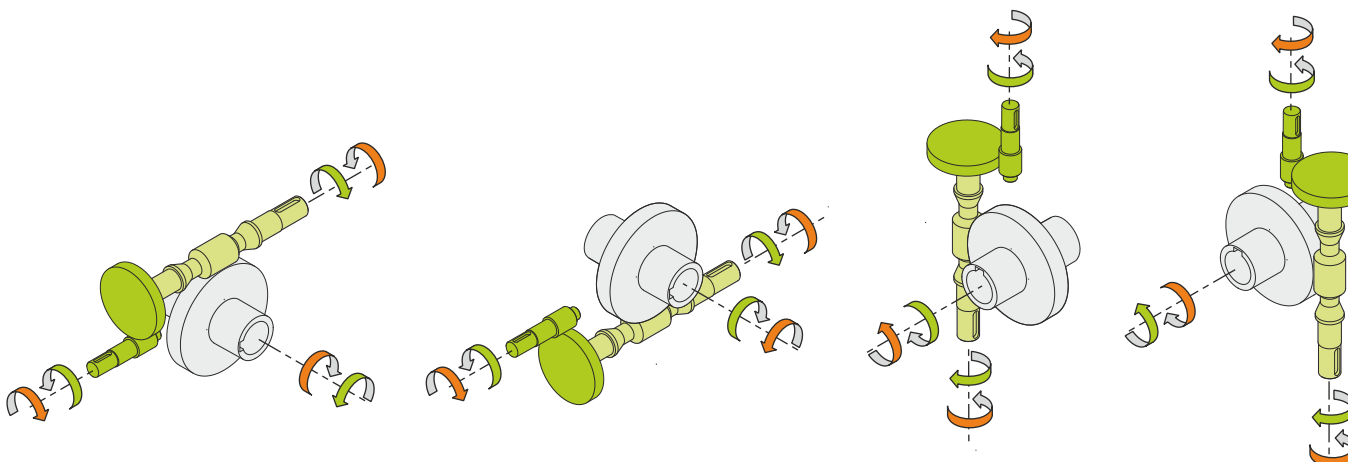
0.05	1
0.35	2



Oil quantity [litres]

Lubricant type: Long life synthetic oil ISO VG320

Direction of rotation



Weight

Gear unit [kg]	11.8
Electric motor [kg]	6.2

Gearing data

Axial module	2.3
Number of starts	1
Lead angle	4° 48'
Pressure angle	20°

Backdriving

Static self-locking
Slow back-driving in case of vibrations
Low dynamic back-driving

M RA 71/70 PC 10 313.6 71 B14 AC 28 MT 0.25 kW 71 A4 B14 X3 B3