

### Input data

System of measurement		Metric
Input type		Gear motor
Input speed	[rpm]	1400
Output speed	[rpm]	3.97
Ratio (i=)		353
Frequency	[Hz]	50
Input options		IEC
Requested input power	[kW]	0.25
Service factor		0.8
Rated Power P1	[kW]	0.19

### Output data

<b>Gear unit</b>	<b>M RA 71/70 PC 10 353 71 B14 AC 28 MT 0.25 kW 71 A4 B14 X3 B3</b>	
------------------	---	--

Type		RA - Worm speed reducers
Input type		M
Size		71/70
Ratio (i=)		353
Gearbox ratio		100.00
Pre-stage ratio		3.53
Input flange		B14
Mounting position		B3
Input speed	[rpm]	1400
Output speed	[rpm]	3.97
Rated output torque	[Nm]	234.78
Service Factor		0.8
Efficiency		0.39
Inertia moment	[kgm <sup>2</sup> ]	0.000084

#### 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

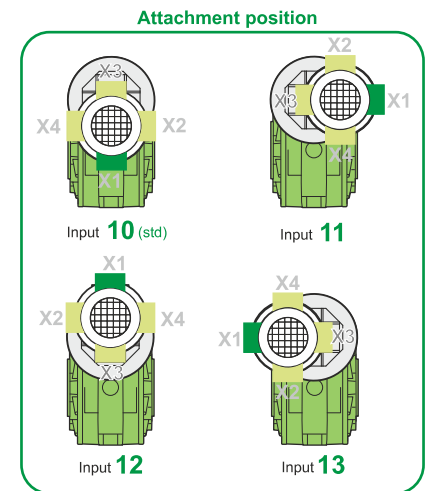
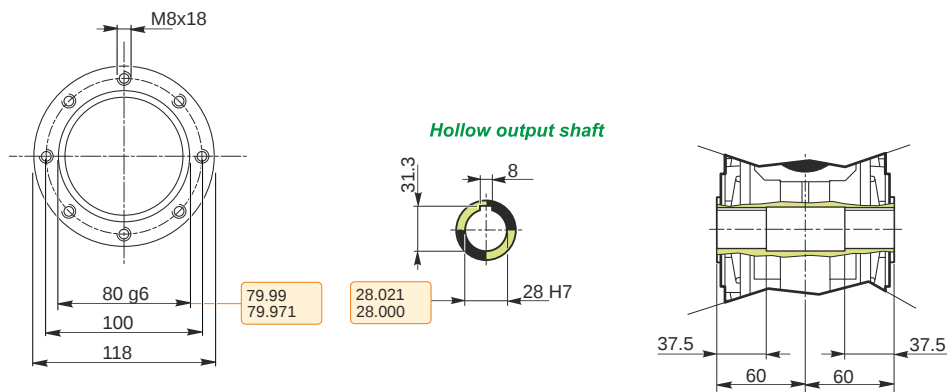
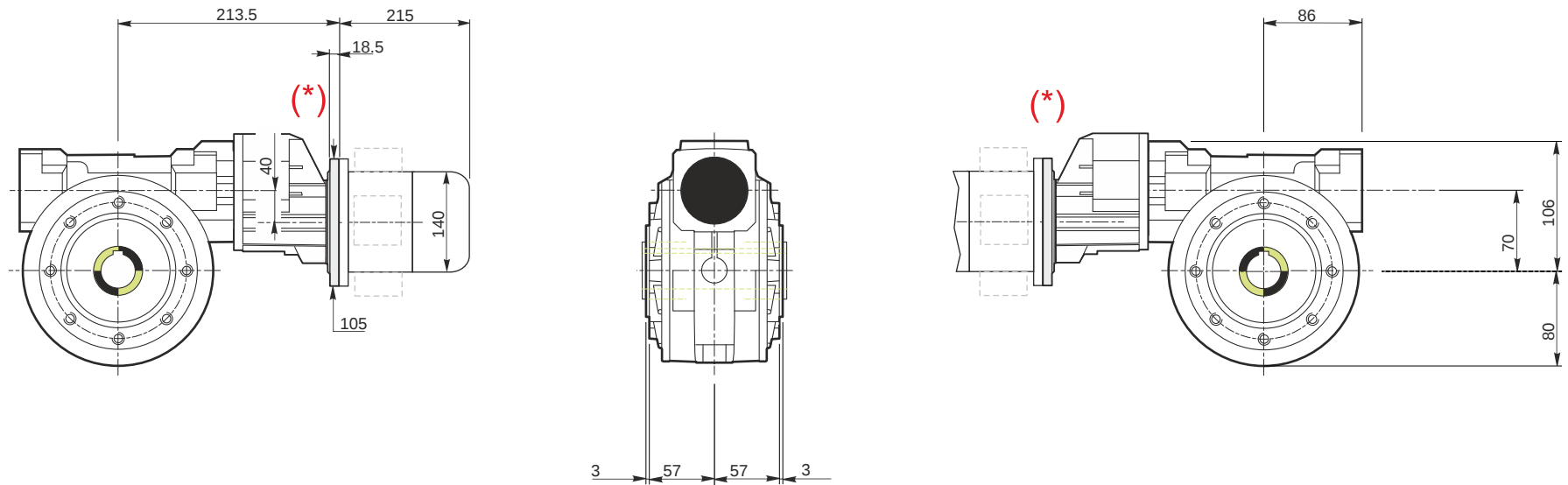
Hollow output shaft		AC 28
---------------------	--	-------

#### Electric motor

Size		71 A4
Poles		4
Power	[kW]	0.25

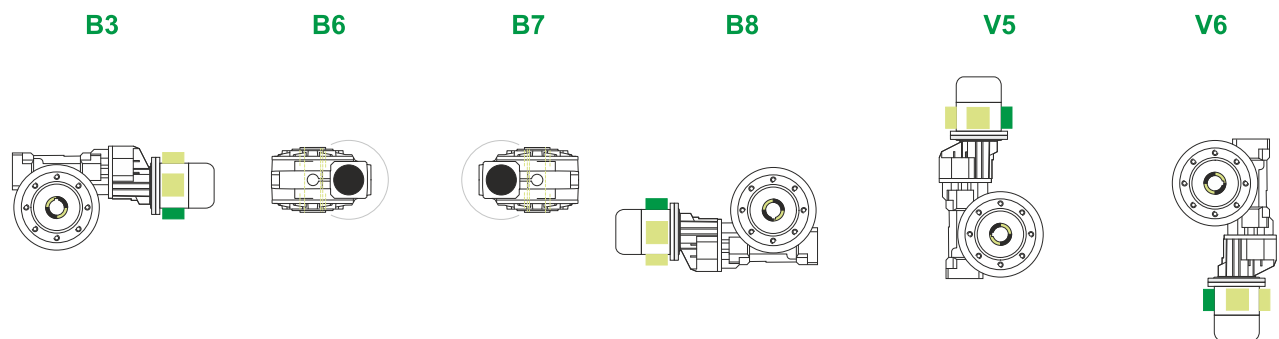
#### Electric motor configuration

Motor flange		B14
Terminal box position		X3

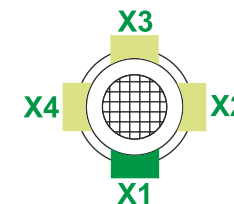


**M RA 71/70 PC 10 353 71 B14 AC 28 MT 0.25 kW 71 A4 B14 X3 B3**

### Mounting positions



Terminal box position

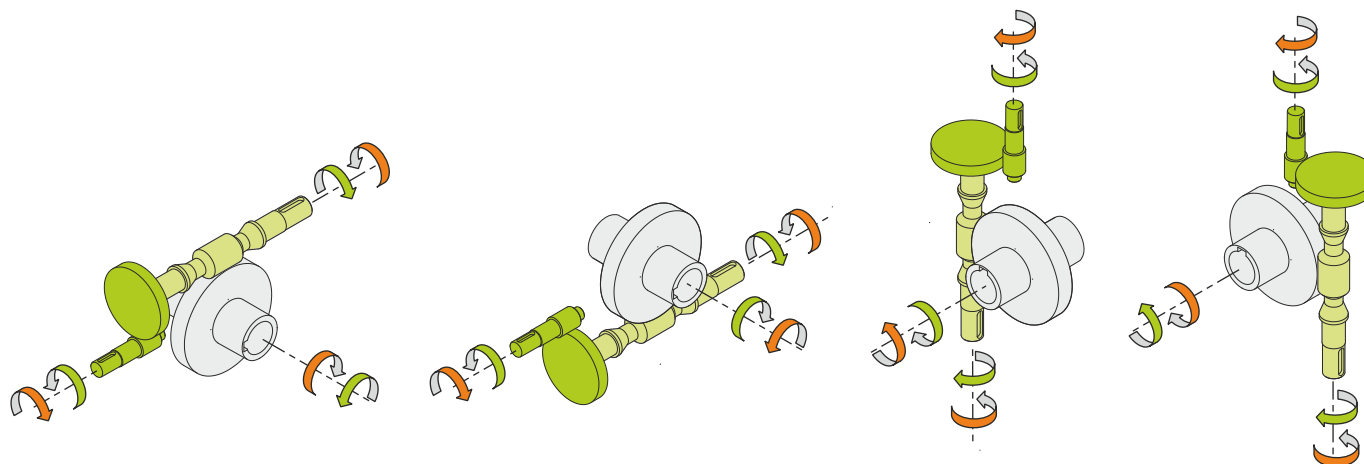


0.05	1
0.35	2



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	1.15
Number of starts	1
Lead angle	2° 38'
Pressure angle	20°

### Backdriving

- Static self-locking
- No back-driving
- Low dynamic back-driving

**M RA 71/70 PC 10 353 71 B14 AC 28 MT 0.25 kW 71 A4 B14 X3 B3**