

### Input data

System of measurement		Metric
Input type		Gear motor
Input speed	[rpm]	1400
Output speed	[rpm]	28.57
Ratio (i=)		49
Frequency	[Hz]	50
Input options		IEC
Requested input power	[kW]	0.18
Service factor		1.2
Rated Power P1	[kW]	0.21

### Output data

**Gear unit** **M RS 40 PC 49 63 B14 AC 19 MT 0.18 kW 63 B4 B14 X3 B3**

Type		RS - Worm speed reducers
Input type		M
Size		40
Ratio (i=)		49
Input flange		B14
Mounting position		B3
Input speed	[rpm]	1400
Output speed	[rpm]	28.57
Rated output torque	[Nm]	34.9
Service Factor		1.2
Efficiency		0.58
Inertia moment	[kgm <sup>2</sup> ]	0.000018

#### Gear unit configuration

Output shaft		Hollow output shaft
Fixing		Shaft mounting
Version		PC

#### Output radial and axial loads

Ball bearings output radial load	[N]	1700
Taper bearings output radial load	[N]	2400
Ball bearings output axial load	[N]	340
Taper bearings output axial load	[N]	480

#### Accessories

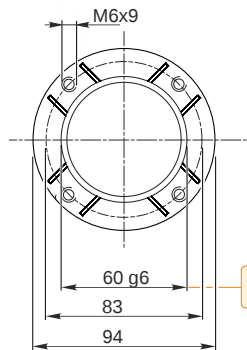
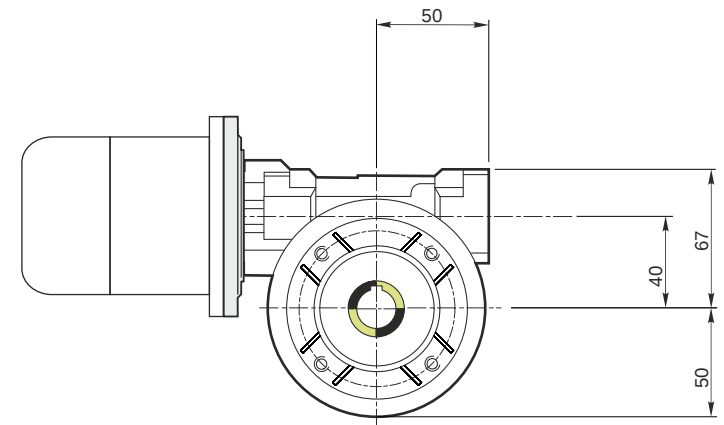
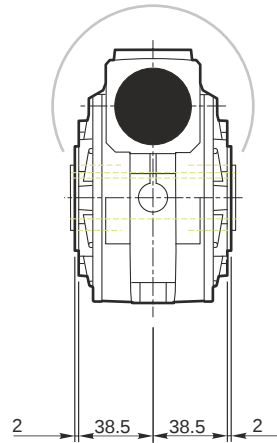
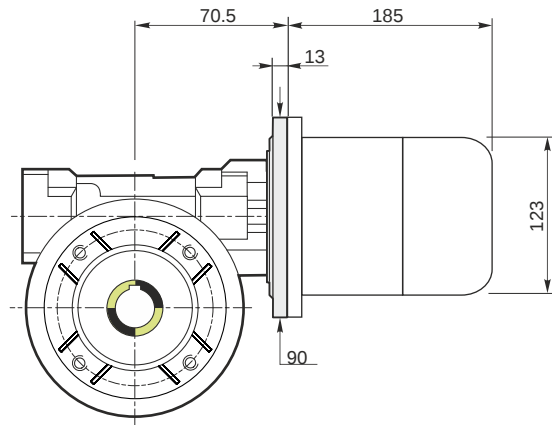
Hollow output shaft		AC 19
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#### Electric motor

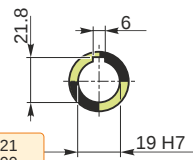
Size		63 B4
Poles		4
Power	[kW]	0.18

#### Electric motor configuration

Motor flange		B14
Terminal box position		X3

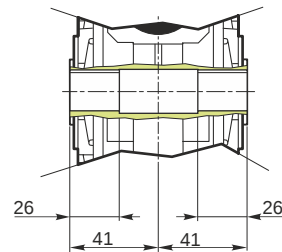


Hollow output shaft

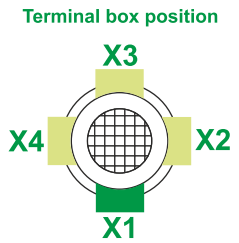
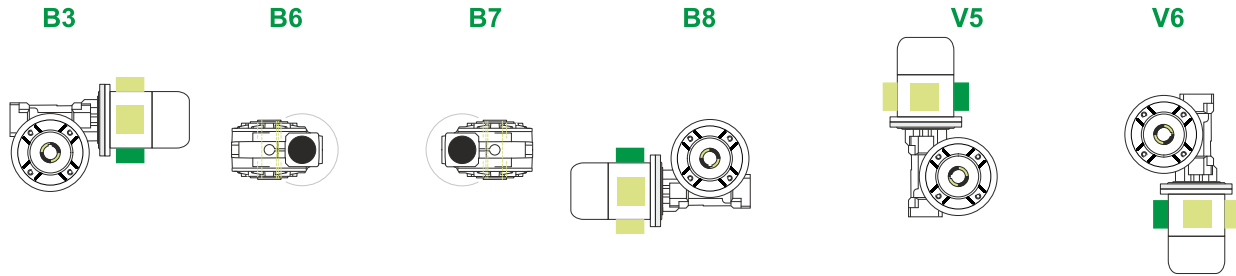


59.99  
59.971

19.021  
19.000



**Mounting positions**



0.08



← Oil quantity [litres]

Lubricant type: Long life synthetic oil ISO VG320

**Direction of rotation**



**Weight**

Gear unit [kg]	2.5
Electric motor [kg]	4.3

**Gearing data**

Axial module	1.25
Number of starts	1
Lead angle	3° 48'
Pressure angle	20°

**Backdriving**

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

**M RS 40 PC 49 63 B14 AC 19 MT 0.18 kW 63 B4 B14 X3 B3**