

Input data

System of measurement		Metric
Input type		Gear motor
Input speed	[rpm]	1400
Output speed	[rpm]	14
Ratio (i=)		100
Frequency	[Hz]	50
Input options		IEC
Requested input power	[kW]	0.06
Service factor		0.5
Rated Power P1	[kW]	0.03

Warning! The torque generated by the selected motor is above the gearbox rated output torque; please refer to the gearbox rated output torque.

Output data

Gear unit **M RT 28 B3 100 56 B14 AC 14 MT 0.06 kW 56 A4 B14 X3**

Type		RT - Worm speed reducers
Input type		M
Size		28
Ratio (i=)		100
Input flange		B14
Input speed	[rpm]	1400
Output speed	[rpm]	14
Rated output torque	[Nm]	8
Service Factor		0.5
Efficiency		0.43
Inertia moment	[kgm ²]	0.000005

Gear unit configuration

Output shaft	Hollow output shaft
Fixing	Universal
Version	B3

Output radial and axial loads

Ball bearings output radial load	[N]	1000
Taper bearings output radial load	[N]	1300
Ball bearings output axial load	[N]	200
Taper bearings output axial load	[N]	260

Accessories

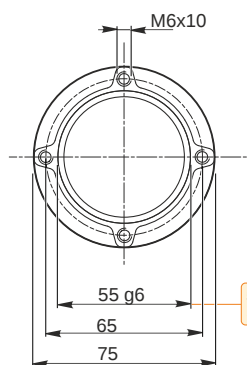
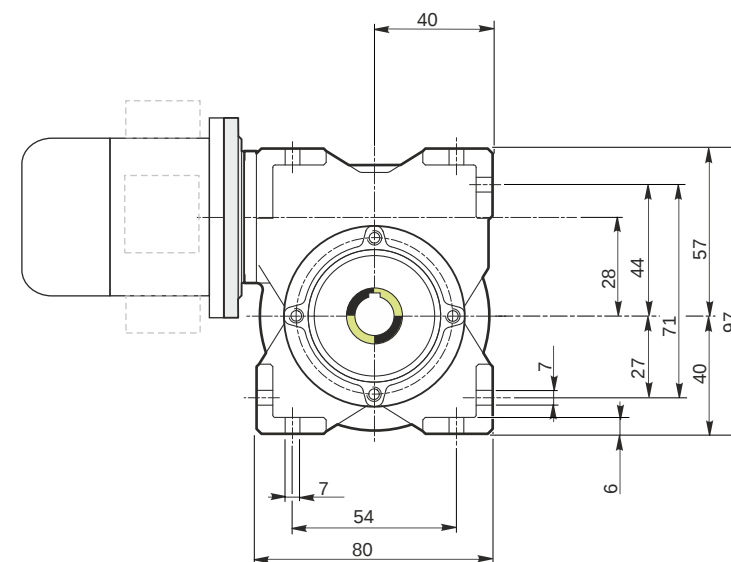
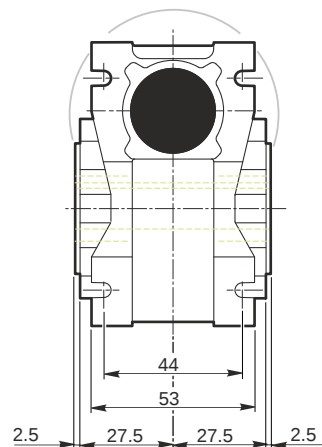
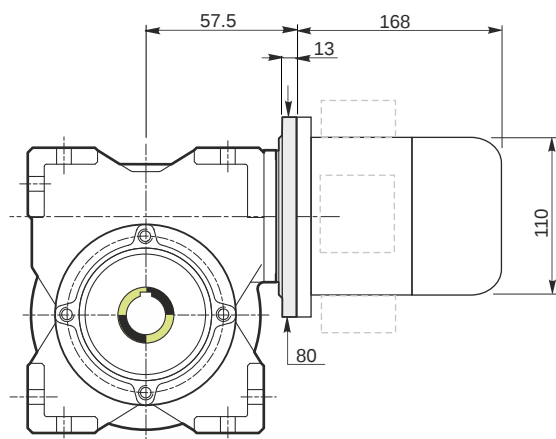
Hollow output shaft	AC 14
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Electric motor

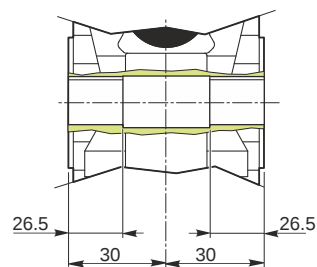
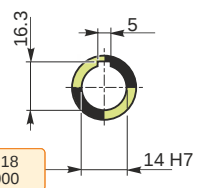
Size		56 A4
Poles		4
Power	[kW]	0.06

Electric motor configuration

Motor flange	B14
Terminal box position	X3

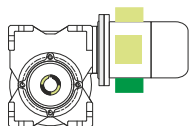


Hollow output shaft

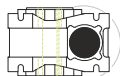


Mounting positions

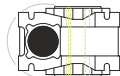
B3



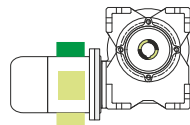
B6



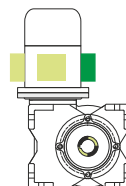
B7



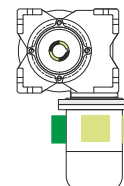
B8



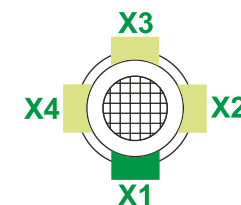
V5



V6



Terminal box position



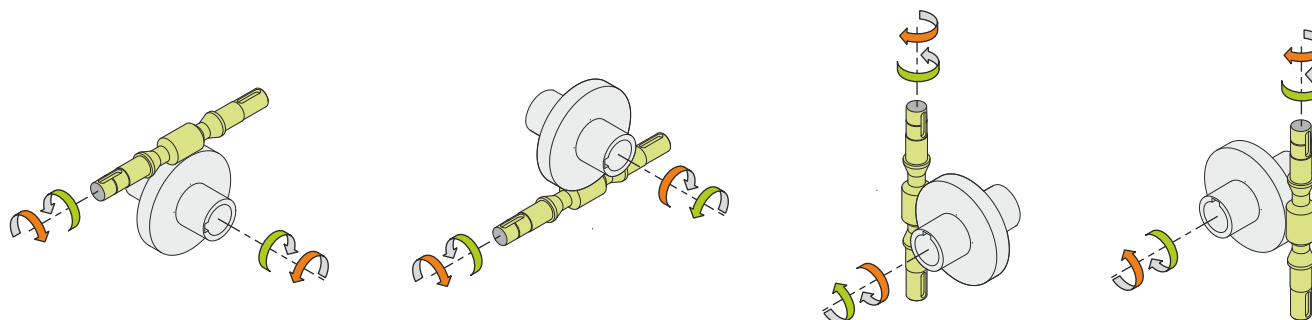
0.03



Oil quantity [litres]

Lubricant type: Long life synthetic oil ISO VG320

Direction of rotation



Weight

Gear unit [kg]	1.1
Electric motor [kg]	2.6

Gearing data

Axial module	0.45
Number of starts	1
Lead angle	2° 20'
Pressure angle	20°

Backdriving

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

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