

Input data

System of measurement		Metric
Input type		Gear motor
Input speed	[rpm]	1400
Output speed	[rpm]	70
Ratio (i=)		20
Frequency	[Hz]	50
Input options		IEC
Requested input power	[kW]	0.09
Service factor		1.8
Rated Power P1	[kW]	0.16

Output data

Gear unit **M RT 28 B3 20 56 B14 AC 14 MT 0.09 kW 56 B4 B14 X3**

Type		RT - Worm speed reducers
Input type		M
Size		28
Ratio (i=)		20
Input flange		B14
Input speed	[rpm]	1400
Output speed	[rpm]	70
Rated output torque	[Nm]	9.09
Service Factor		1.8
Efficiency		0.74
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]	600
Taper bearings output radial load	[N]	900
Ball bearings output axial load	[N]	120
Taper bearings output axial load	[N]	180

Accessories

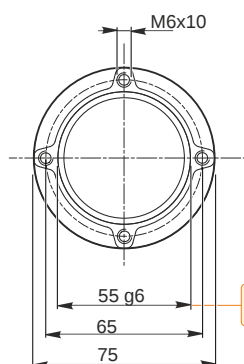
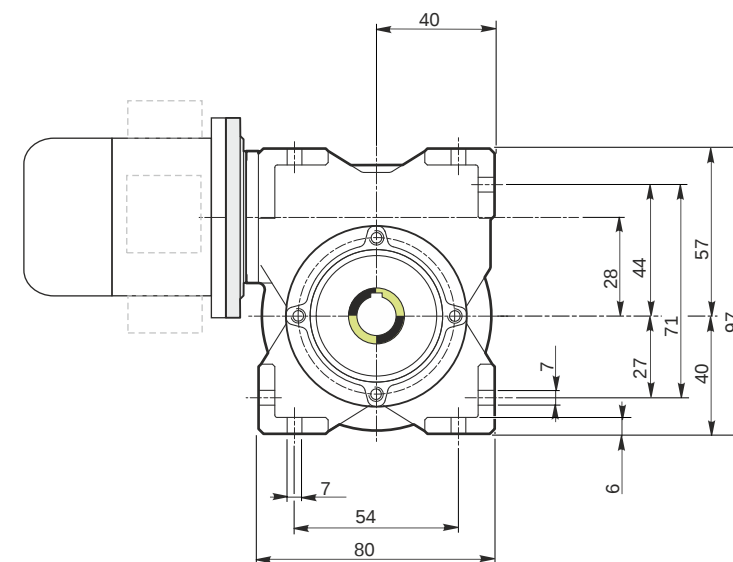
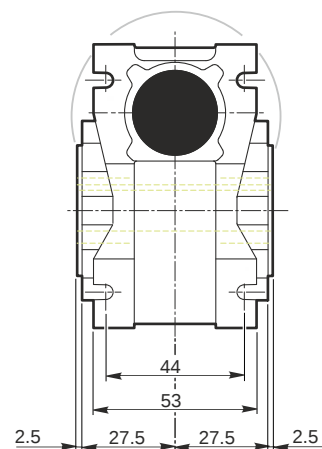
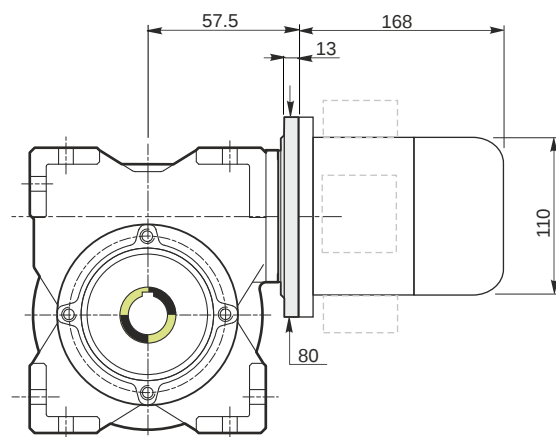
Hollow output shaft		AC 14
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Electric motor

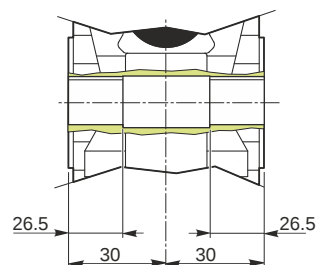
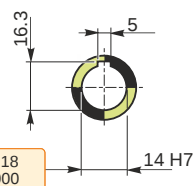
Size		56 B4
Poles		4
Power	[kW]	0.09

Electric motor configuration

Motor flange		B14
Terminal box position		X3

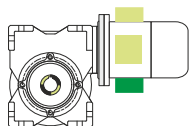


Hollow output shaft

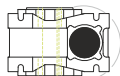


Mounting positions

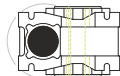
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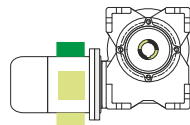
B6



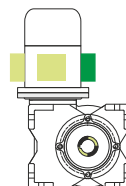
B7



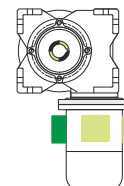
B8



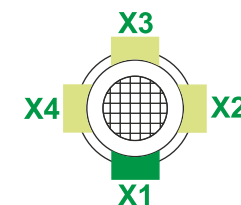
V5



V6



Terminal box position



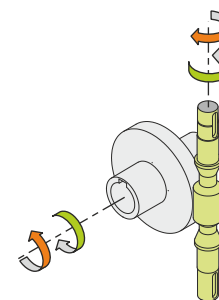
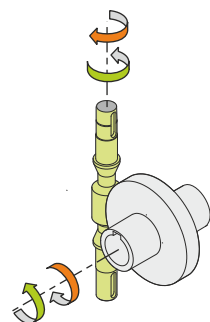
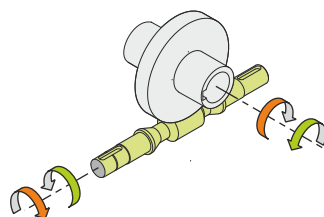
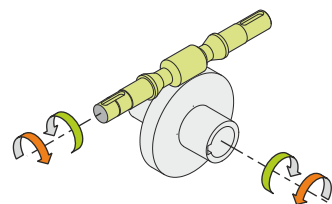
0.03



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	1.1
Number of starts	2
Lead angle	10° 23'
Pressure angle	20°

Backdriving

Variable static self-locking
Quick back-driving in case of vibrations
Dynamic back-driving