

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]	5.5
Service factor		1
Rated Power P1	[kW]	5.71

Output data

Gear unit	M RS 110 PC 20 132 B14 AC 42 MT 5.5 kW 132 S4 B14 X3 B3
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Type		RS - Worm speed reducers
Input type		M
Size		110
Ratio (i=)		20
Input flange		B14
Mounting position		B3
Input speed	[rpm]	1400
Output speed	[rpm]	70
Rated output torque	[Nm]	622.8
Service Factor		1
Efficiency		0.83
Inertia moment	[kgm ²]	0.001745

Gear unit configuration

Output shaft	Hollow output shaft
Fixing	Shaft mounting
Version	PC

Output radial and axial loads

Ball bearings output radial load	[N]	5400
Taper bearings output radial load	[N]	7500
Ball bearings output axial load	[N]	1080
Taper bearings output axial load	[N]	1500

Accessories

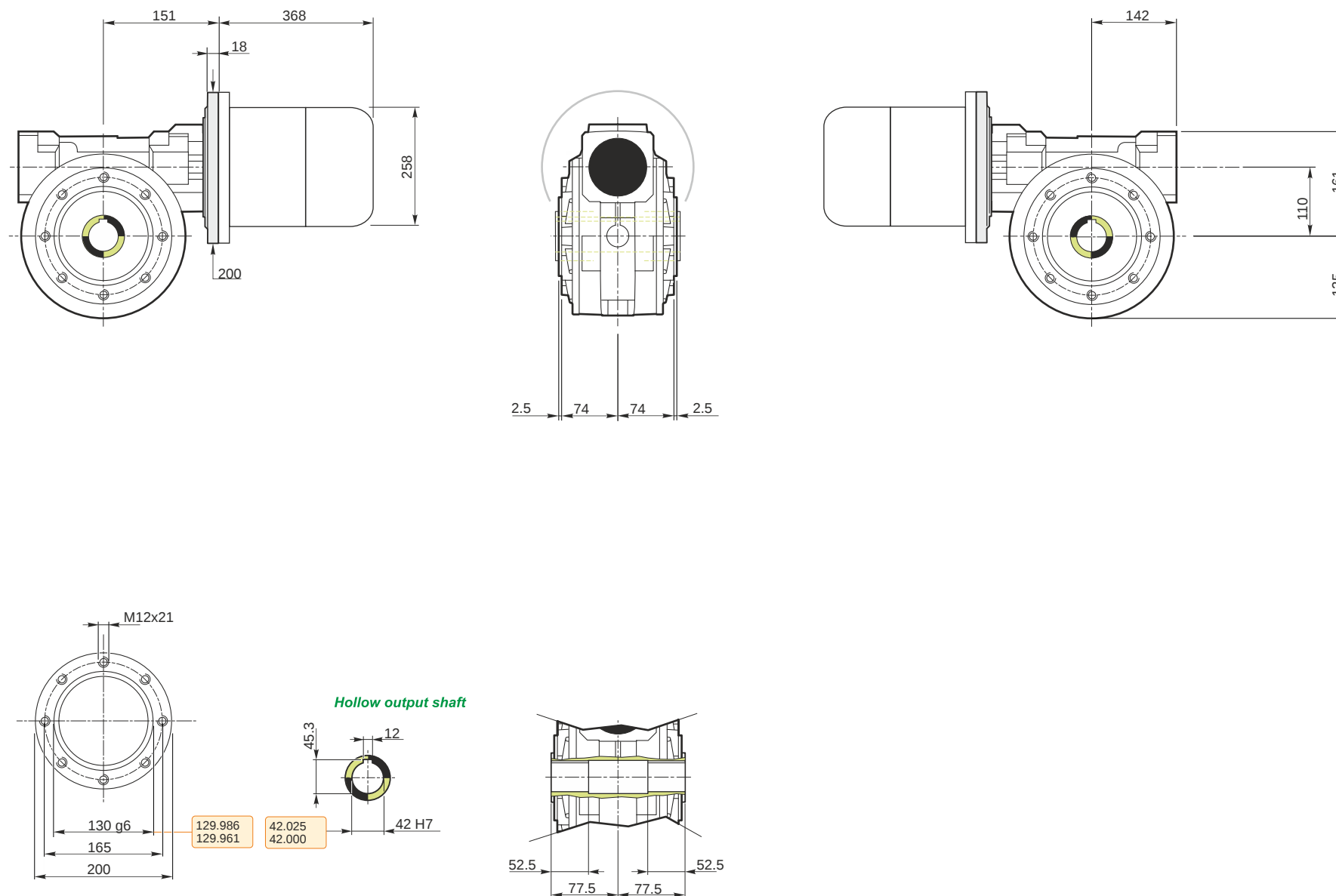
Hollow output shaft	AC 42
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Electric motor

Size		132 S4
Poles		4
Power	[kW]	5.5

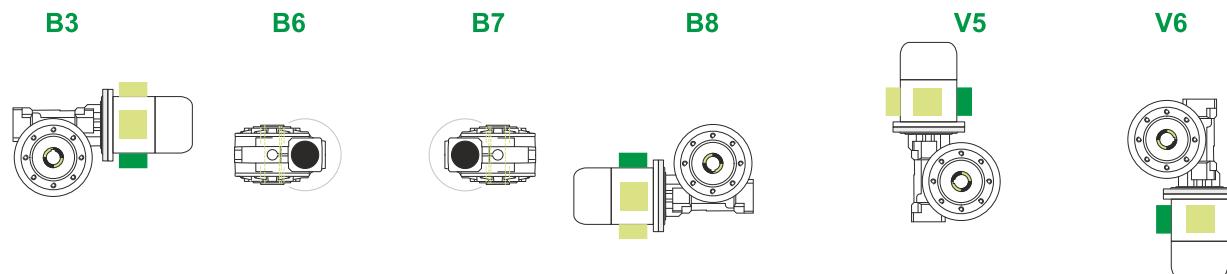
Electric motor configuration

Motor flange	B14
Terminal box position	X3



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Mounting positions



Terminal box position



1.5



← Oil quantity [litres]

Lubricant type: Long life synthetic oil ISO VG320

Direction of rotation



Weight

Gear unit [kg]	39
Electric motor [kg]	43

Gearing data

Axial module	4.4
Number of starts	2
Lead angle	11° 18'
Pressure angle	20°

Backdriving

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