

Input data

System of measurement		Metric
Input type		Gear motor
Input speed	[rpm]	1400
Output speed	[rpm]	454.55
Ratio (i=)		3.08
Frequency	[Hz]	50
Input options		IEC
Requested input power	[kW]	1.5
Service factor		1.5
Rated Power P1	[kW]	2.23

Output data

Gear unit	M RD 12 B3 H1 3.08 90 B14 AU 20x40 MT 1.5 kW 90 L4 B14 X3
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Type		RD - Helical gearboxes
Input type		M
Size		12
Ratio (i=)		3.08
Input flange		B14
Mounting position		H1
Input speed	[rpm]	1400
Output speed	[rpm]	454.55
Rated output torque	[Nm]	30.25
Service Factor		1.5
Efficiency		0.96
Inertia moment	[kgm ²]	0.000093

Gear unit configuration

Fixing		Feet
Output shaft		AU 20x40

Output radial and axial loads

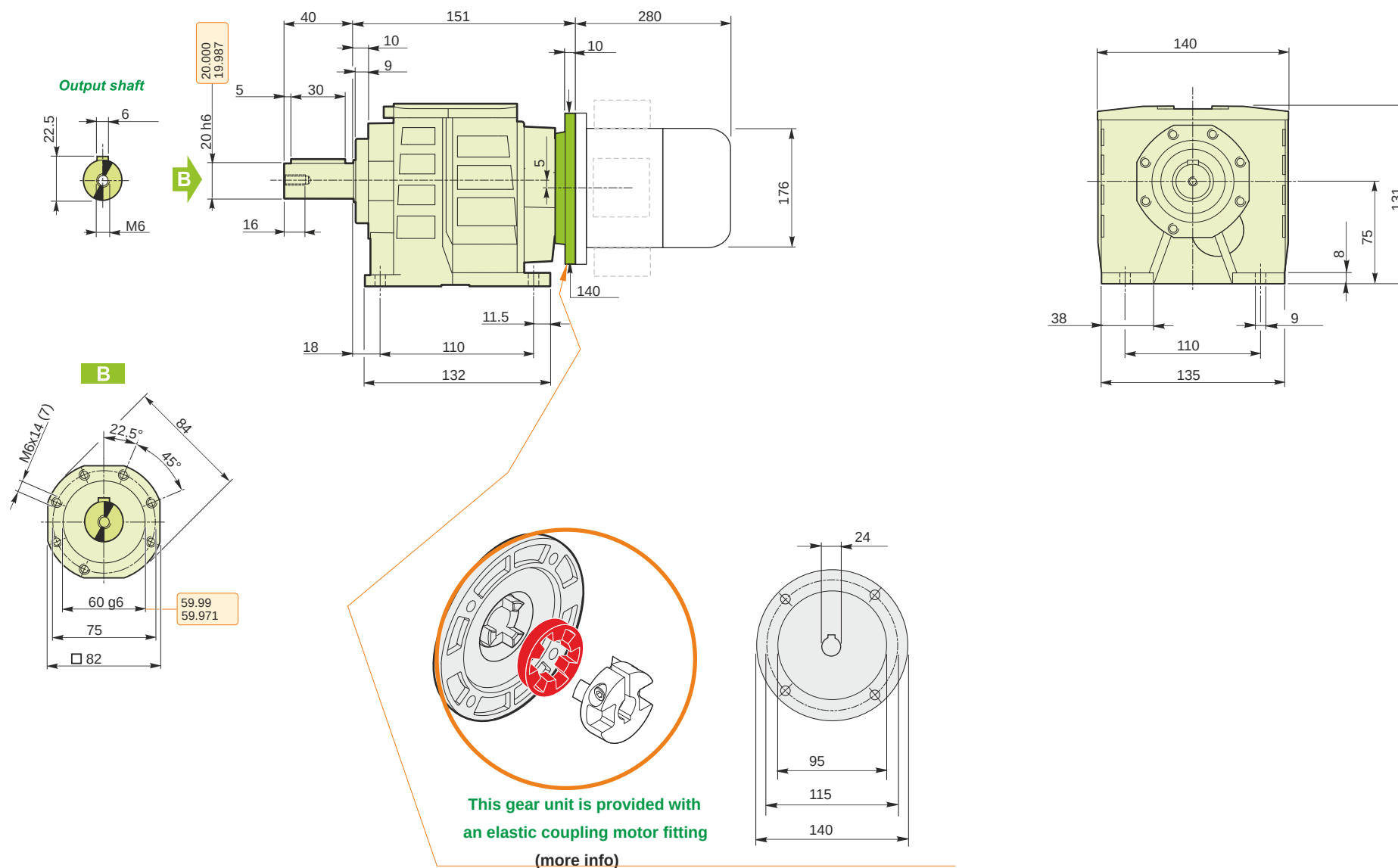
Output radial load	[N]	1400
Output axial load	[N]	280

Electric motor

Size		90 L4
Poles		4
Power	[kW]	1.5

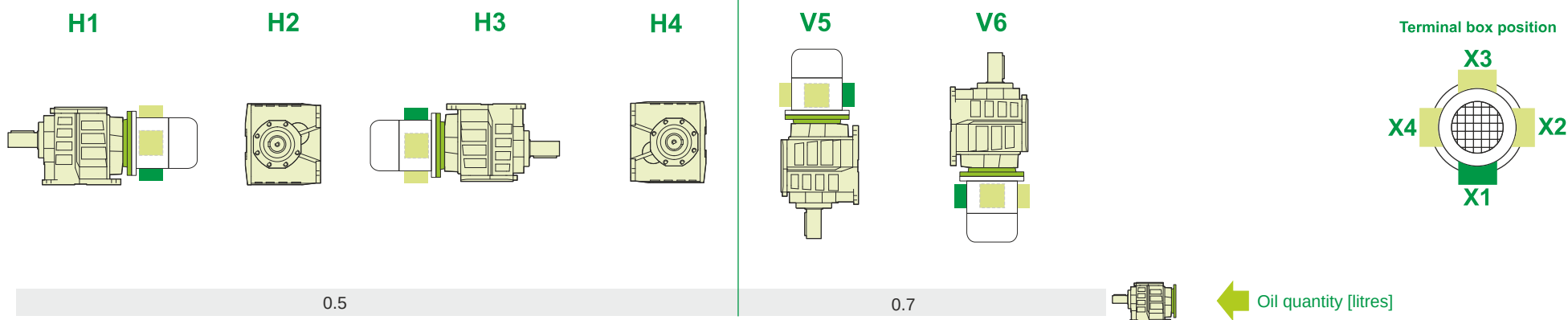
Electric motor configuration

Motor flange		B14
Terminal box position		X3



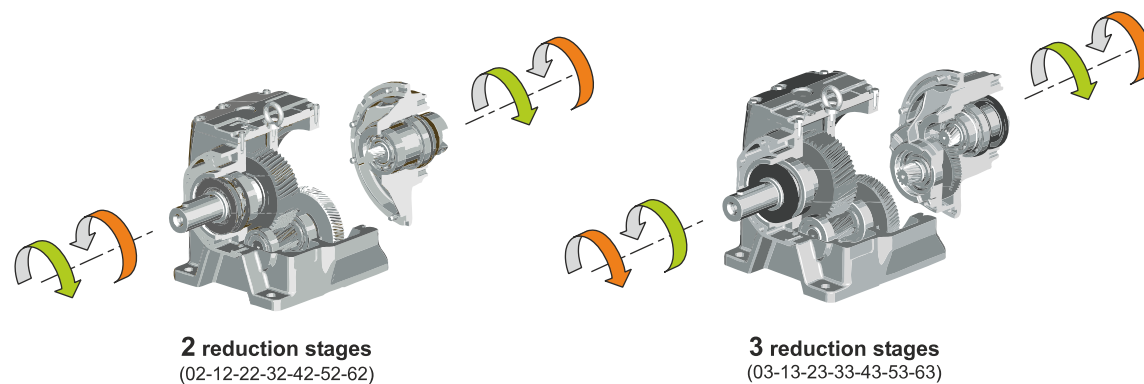
M RD 12 B3 H1 3.08 90 B14 AU 20x40 MT 1.5 kW 90 L4 B14 X3

Mounting positions



Lubricant type: Long life synthetic oil ISO VG320

Direction of rotation



Weight

Gear unit [kg]	4.8
Electric motor [kg]	13.5