

Input data

System of measurement		Metric
Input type		Gear motor
Input speed	[rpm]	1400
Output speed	[rpm]	27.83
Ratio (i=)		50.3
Frequency	[Hz]	50
Input options		IEC
Requested input power	[kW]	1.5
Service factor		0.9
Rated Power P1	[kW]	1.37

Output data

Gear unit	M RD 42 B3 H1 50.3 90 B14 AU 35x70 MT 1.5 kW 90 L4 B14 X3
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Type		RD - Helical gearboxes
Input type		M
Size		42
Ratio (i=)		50.3
Input flange		B14
Mounting position		H1
Input speed	[rpm]	1400
Output speed	[rpm]	27.83
Rated output torque	[Nm]	494.09
Service Factor		0.9
Efficiency		0.96
Inertia moment	[kgm ²]	0.000756

Gear unit configuration

Fixing		Feet
Output shaft		AU 35x70

Output radial and axial loads

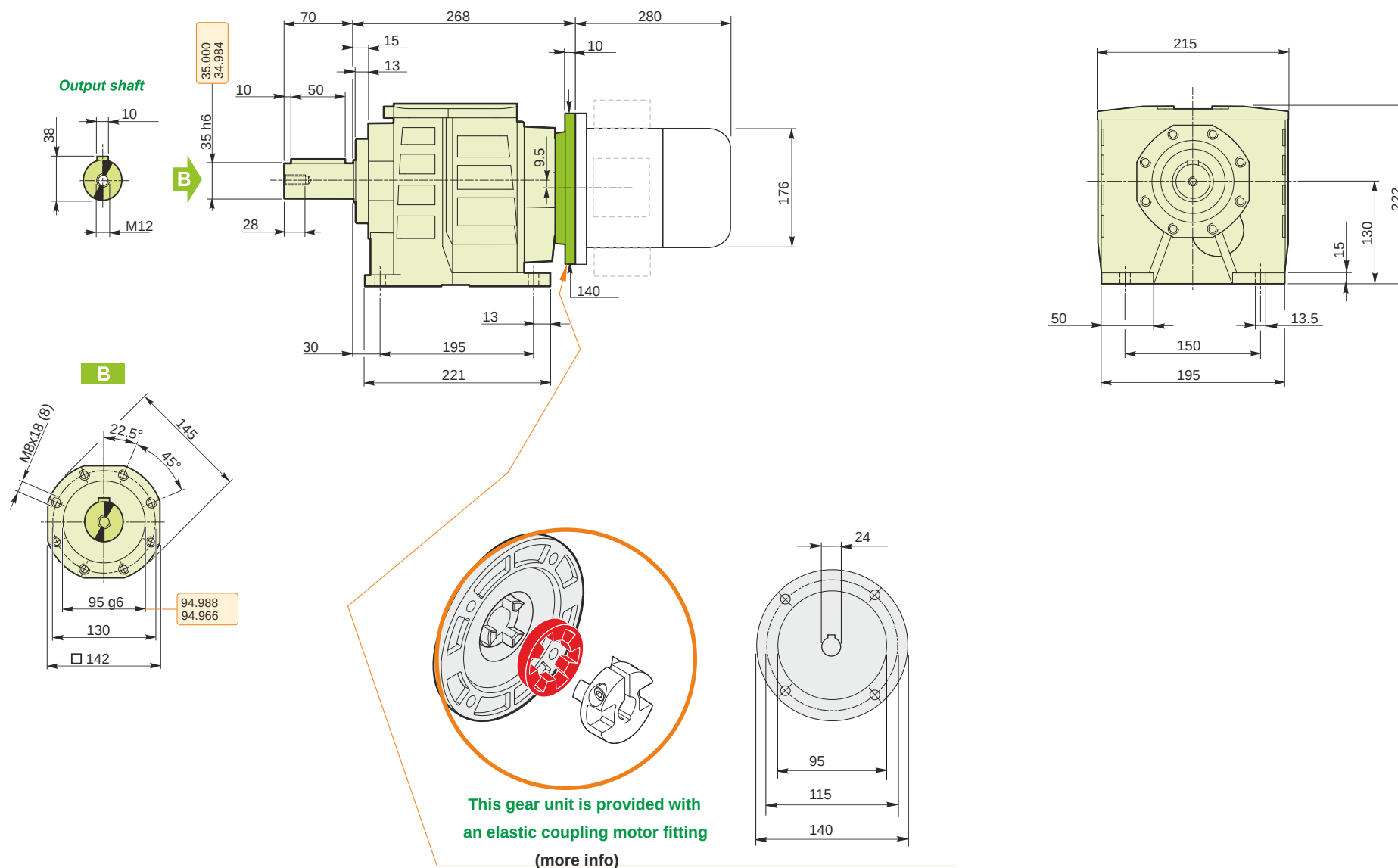
Output radial load	[N]	7500
Output axial load	[N]	1500

Electric motor

Size		90 L4
Poles		4
Power	[kW]	1.5

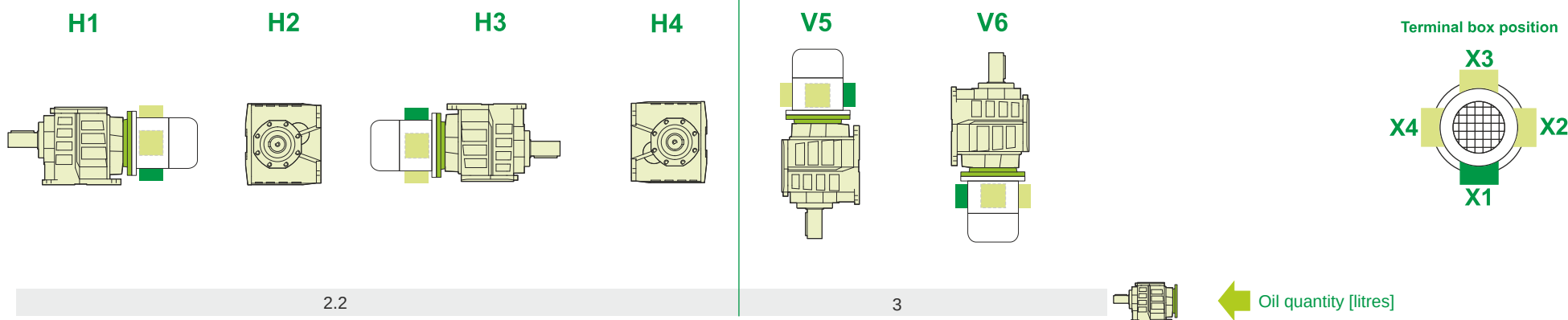
Electric motor configuration

Motor flange		B14
Terminal box position		X3



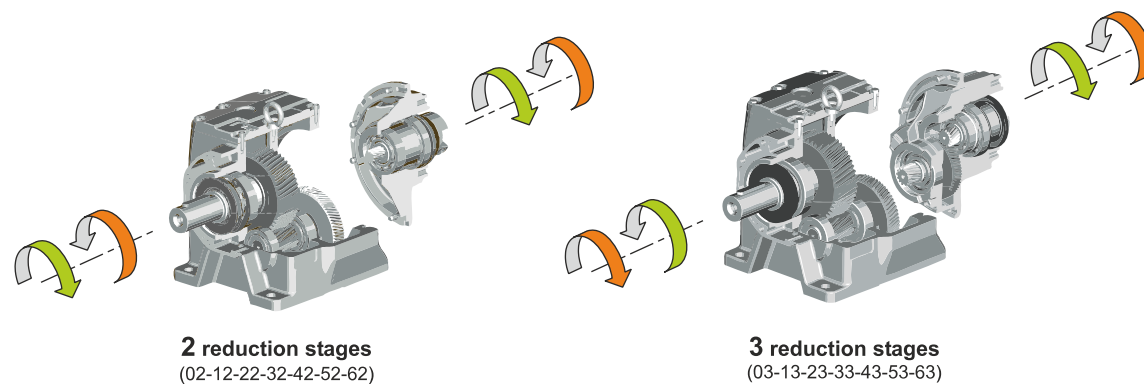
M RD 42 B3 H1 50.3 90 B14 AU 35x70 MT 1.5 kW 90 L4 B14 X3

Mounting positions



Lubricant type: Long life synthetic oil ISO VG320

Direction of rotation



Weight

Gear unit [kg]	20
Electric motor [kg]	13.5

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