

### Input data

System of measurement		Metric
Input type		Gear motor
Input speed	[rpm]	1400
Output speed	[rpm]	44.54
Ratio (i=)		31.43
Frequency	[Hz]	50
Input options		IEC
Requested input power	[kW]	4
Service factor		1.5
Rated Power P1	[kW]	6.02

### Output data

**Gear unit** **M RD 52 B3 H1 31.43 112 B5 AU 40x80 MT 4 kW 112 A4 B5 X3**

Type		RD - Helical gearboxes
Input type		M
Size		52
Ratio (i=)		31.43
Input flange		B5
Mounting position		H1
Input speed	[rpm]	1400
Output speed	[rpm]	44.54
Rated output torque	[Nm]	823.29
Service Factor		1.5
Efficiency		0.96
Inertia moment	[kgm <sup>2</sup> ]	0.001065

#### Gear unit configuration

Fixing		Feet
Output shaft		AU 40x80

#### Output radial and axial loads

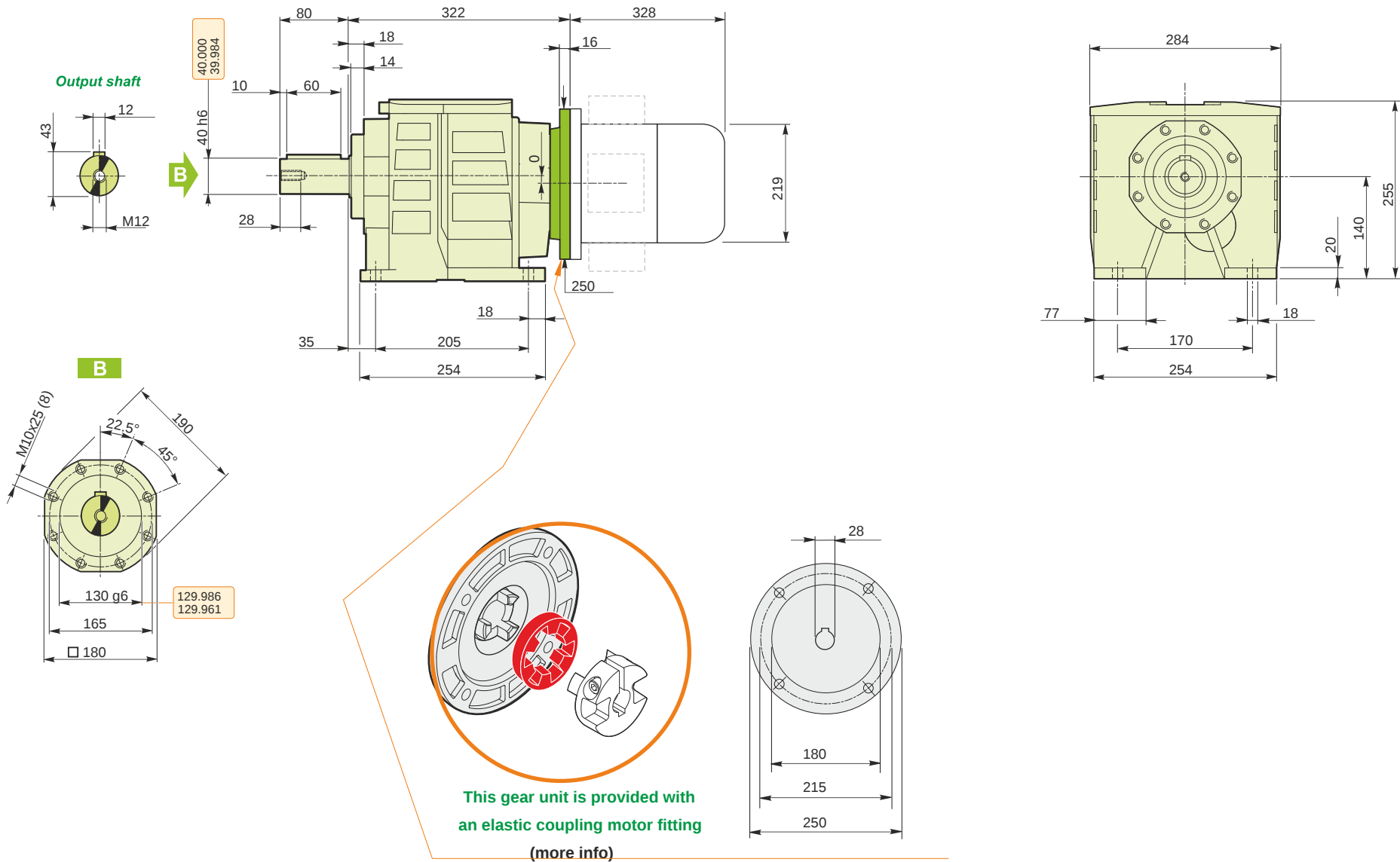
Output radial load	[N]	9100
Output axial load	[N]	1820

#### Electric motor

Size		112 A4
Poles		4
Power	[kW]	4

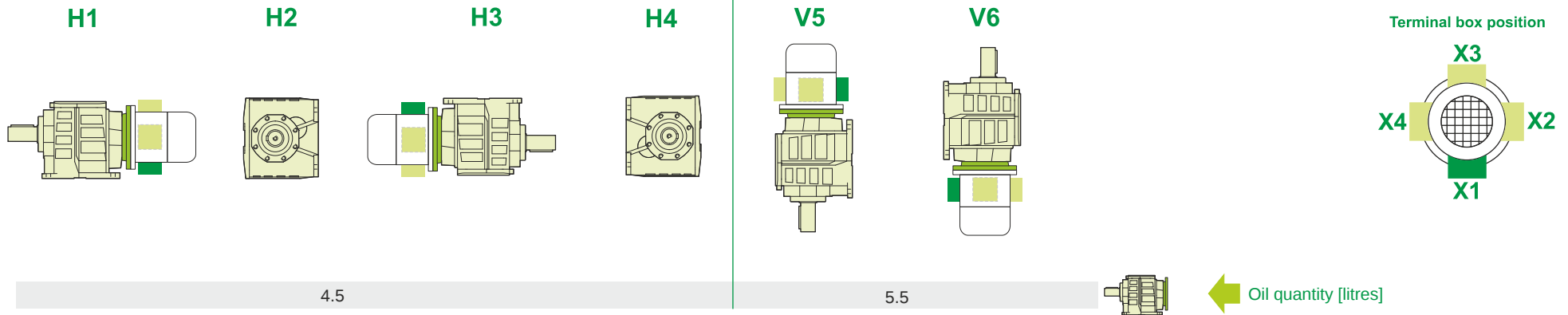
#### Electric motor configuration

Motor flange		B5
Terminal box position		X3



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**Mounting positions**



Lubricant type: Long life synthetic oil ISO VG320

**Direction of rotation**



**Weight**

Gear unit [kg]	49
Electric motor [kg]	29

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