

### Input data

|                       |       |            |
|-----------------------|-------|------------|
| System of measurement |       | Metric     |
| Input type            |       | Gear motor |
| Input speed           | [rpm] | 1400       |
| Output speed          | [rpm] | 18.11      |
| Ratio (i=)            |       | 77.3       |
| Frequency             | [Hz]  | 50         |
| Input options         |       | IEC        |
| Requested input power | [kW]  | 3          |
| Service factor        |       | 0.9        |
| Rated Power P1        | [kW]  | 2.62       |

### Output data

**Gear unit** **M RD 53 B3 H1 77.3 100 B5 AU 50x100 MT 3 kW 100 B4 B5 X3**

|                     |                     |                        |
|---------------------|---------------------|------------------------|
| Type                |                     | RD - Helical gearboxes |
| Input type          |                     | M                      |
| Size                |                     | 53                     |
| Ratio (i=)          |                     | 77.3                   |
| Input flange        |                     | B5                     |
| Mounting position   |                     | H1                     |
| Input speed         | [rpm]               | 1400                   |
| Output speed        | [rpm]               | 18.11                  |
| Rated output torque | [Nm]                | 1486.98                |
| Service Factor      |                     | 0.9                    |
| Efficiency          |                     | 0.94                   |
| Inertia moment      | [kgm <sup>2</sup> ] | 0.001409               |

#### Gear unit configuration

|              |  |           |
|--------------|--|-----------|
| Fixing       |  | Feet      |
| Output shaft |  | AU 50x100 |

#### Output radial and axial loads

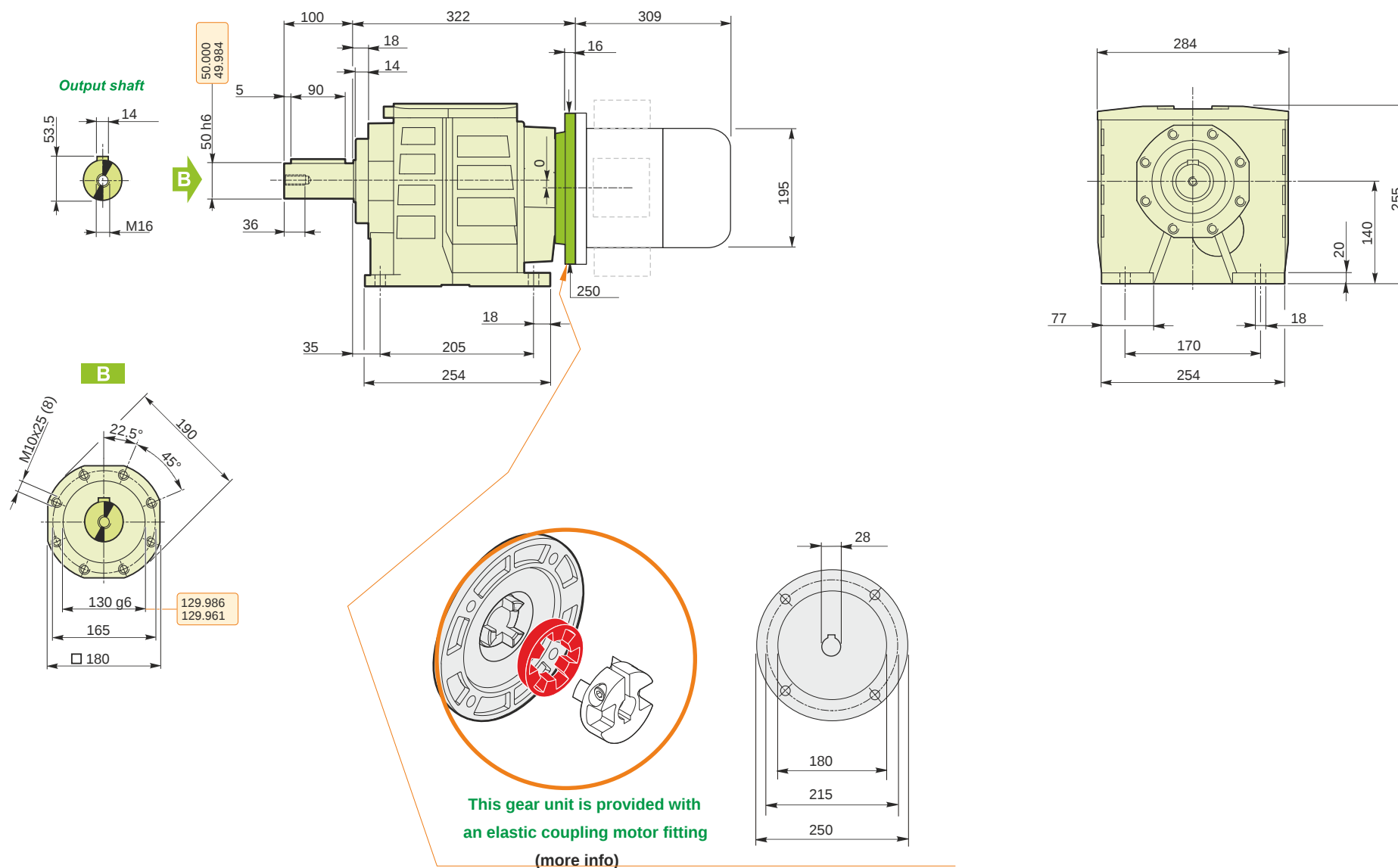
|                    |     |      |
|--------------------|-----|------|
| Output radial load | [N] | 7900 |
| Output axial load  | [N] | 1580 |

### Electric motor

|       |      |        |
|-------|------|--------|
| Size  |      | 100 B4 |
| Poles |      | 4      |
| Power | [kW] | 3      |

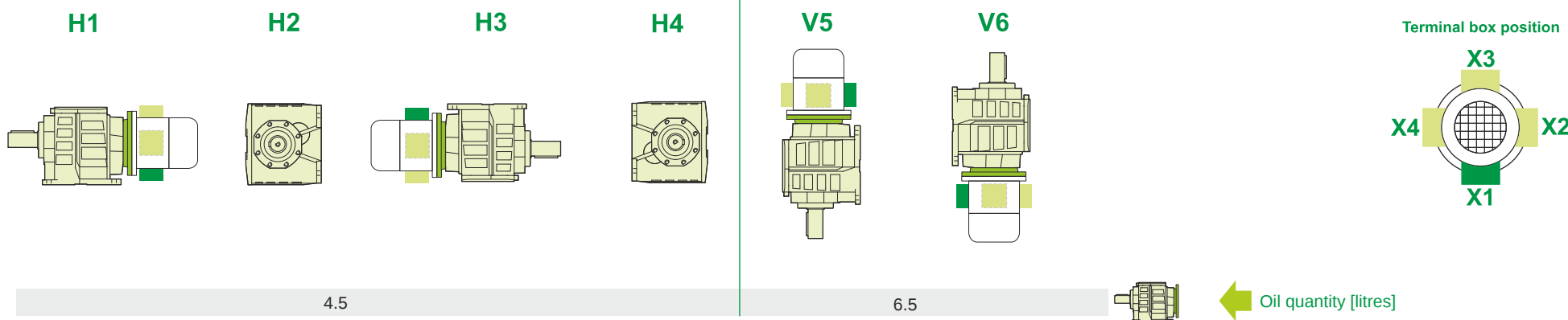
#### Electric motor configuration

|                       |  |    |
|-----------------------|--|----|
| Motor flange          |  | B5 |
| Terminal box position |  | X3 |



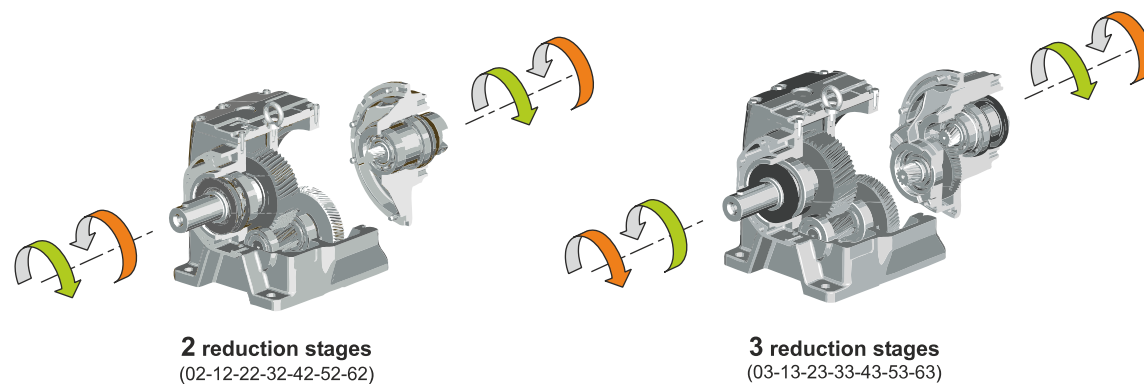
**M RD 53 B3 H1 77.3 100 B5 AU 50x100 MT 3 kW 100 B4 B5 X3**

## Mounting positions



Lubricant type: Long life synthetic oil ISO VG320

## Direction of rotation



## Weight

|                     |    |
|---------------------|----|
| Gear unit [kg]      | 52 |
| Electric motor [kg] | 21 |