## Input data

| | | |
|---|---|---|
| System of measurement | | Metric |
| Input type | | Gear motor |
| Input speed | [rpm] | 1400 |
| Output speed | [rpm] | 200 |
| Ratio (i=) | | 7 |
| Frequency | [Hz] | 50 |
| Input options | | IEC |
| Requested input power | [kW] | 1.5 |
| Service factor | | 2.6 |
| Rated Power P1 | [kW] | 3.95 |

## Output data

| **Gear unit** | | **M RT 70 B3 7 90 B14 AC 28 MT 1.5 kW 90 L4 B14 X3** |
|---|---|---|
| Type | | RT - Worm speed reducers |
| Input type | | M |
| Size | | 70 |
| Ratio (i=) | | 7 |
| Input flange | | B14 |
| Input speed | [rpm] | 1400 |
| Output speed | [rpm] | 200 |
| Rated output torque | [Nm] | 63.03 |
| Service Factor | | 2.6 |
| Efficiency | | 0.88 |
| Inertia moment | [$kgm^2$] | 0.000306 |

**Gear unit configuration**

| | | |
|---|---|---|
| Output shaft | | Hollow output shaft |
| Fixing | | Universal |
| Version | | B3 |

**Output radial and axial loads**

| | | |
|---|---|---|
| Ball bearings output radial load | [N] | 2700 |
| Taper bearings output radial load | [N] | 3300 |
| Ball bearings output axial load | [N] | 540 |
| Taper bearings output axial load | [N] | 660 |

**Accessories**

| | | |
|---|---|---|
| Hollow output shaft | | AC 28 |

**Electric motor**

| | | |
|---|---|---|
| Size | | 90 L4 |
| Poles | | 4 |
| Power | [kW] | 1.5 |

**Electric motor configuration**

| | | |
|---|---|---|
| Motor flange | | B14 |
| Terminal box position | | X3 |


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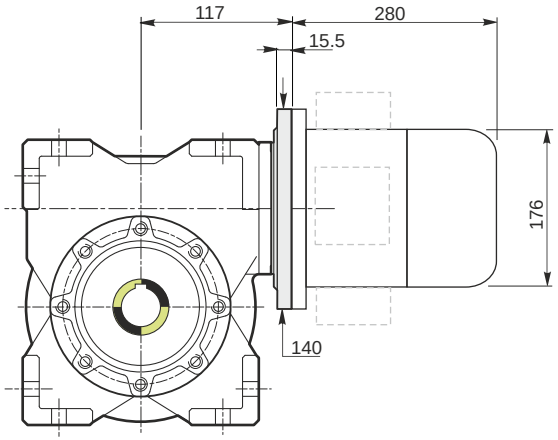
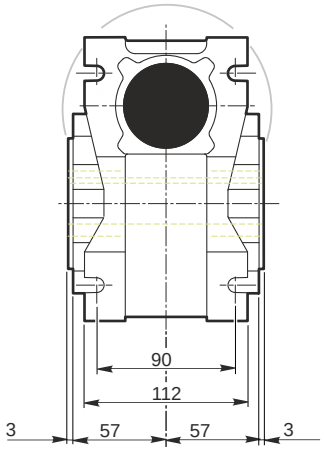
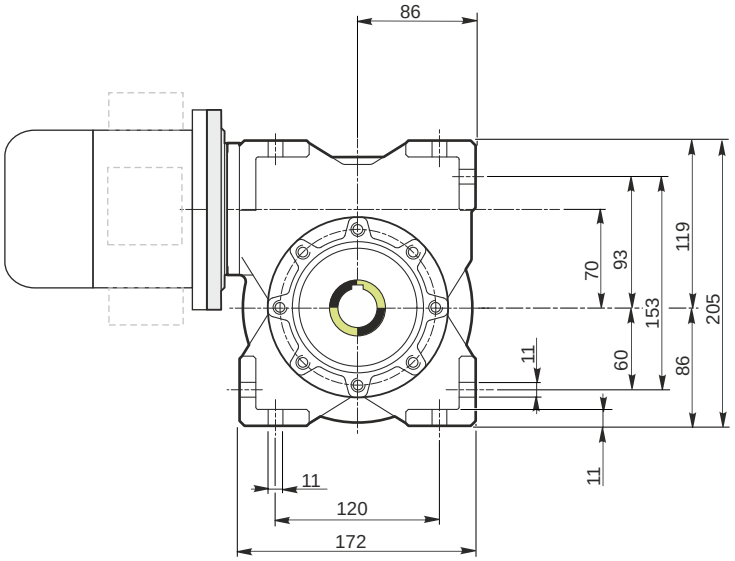
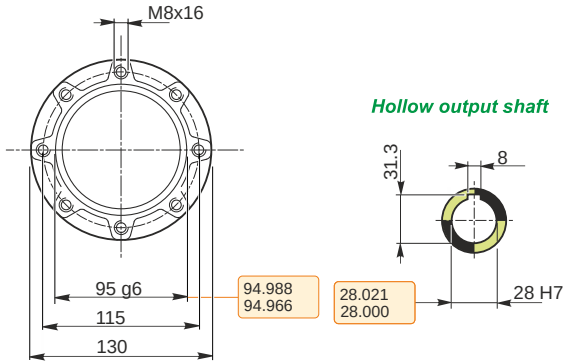


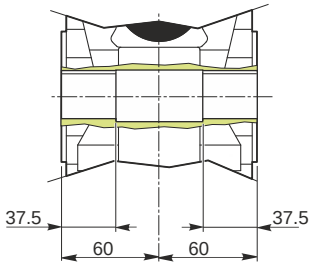




***Hollow output shaft***

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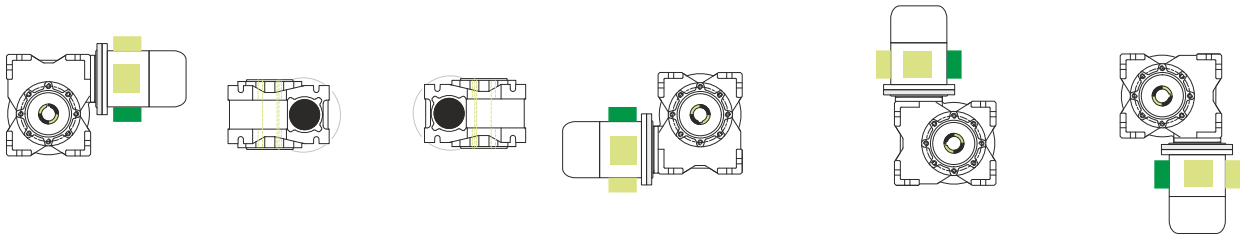
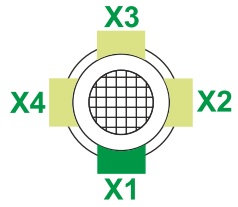
## Mounting positions

B3 B6 B7 B8 V5 V6



Terminal box position

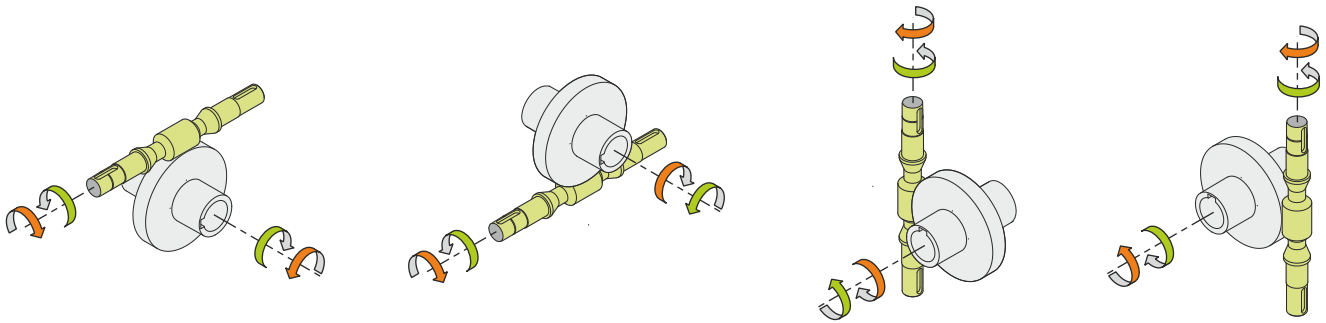



| 0.35 |
|---|

Oil quantity [litres]

Lubricant type: Long life synthetic oil ISO VG320

## Direction of rotation



## Weight

| | |
|---|---|
| Gear unit [kg] | 9 |
| Electric motor [kg] | 13.5 |

## Gearing data

| | |
|---|---|
| Axial module | 3.9 |
| Number of starts | 4 |
| Lead angle | 26° 51’ |
| Pressure angle | 20° |

## Backdriving

Static back-driving
Quick back-driving
Dynamic back-driving

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