

### Input data

|                       |       |            |
|-----------------------|-------|------------|
| System of measurement |       | Metric     |
| Input type            |       | Gear motor |
| Input speed           | [rpm] | 1400       |
| Output speed          | [rpm] | 50         |
| Ratio (i=)            |       | 28         |
| Frequency             | [Hz]  | 50         |
| Input options         |       | IEC        |
| Requested input power | [kW]  | 0.75       |
| Service factor        |       | 1.4        |
| Rated Power P1        | [kW]  | 1.02       |

### Output data

**Gear unit** **M RT 60 B3 28 80 B14 AC 25 MT 0.75 kW 80 B4 B14 X3**

|                     |                     |                          |
|---------------------|---------------------|--------------------------|
| Type                |                     | RT - Worm speed reducers |
| Input type          |                     | M                        |
| Size                |                     | 60                       |
| Ratio (i=)          |                     | 28                       |
| Input flange        |                     | B14                      |
| Input speed         | [rpm]               | 1400                     |
| Output speed        | [rpm]               | 50                       |
| Rated output torque | [Nm]                | 101.71                   |
| Service Factor      |                     | 1.4                      |
| Efficiency          |                     | 0.71                     |
| Inertia moment      | [kgm <sup>2</sup> ] | 0.000105                 |

#### Gear unit configuration

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

#### Output radial and axial loads

|                                   |     |      |
|-----------------------------------|-----|------|
| Ball bearings output radial load  | [N] | 3600 |
| Taper bearings output radial load | [N] | 4800 |
| Ball bearings output axial load   | [N] | 720  |
| Taper bearings output axial load  | [N] | 960  |

#### Accessories

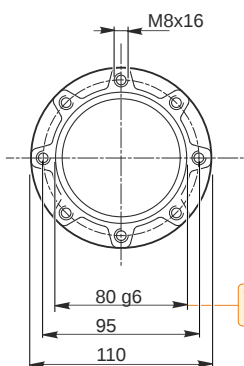
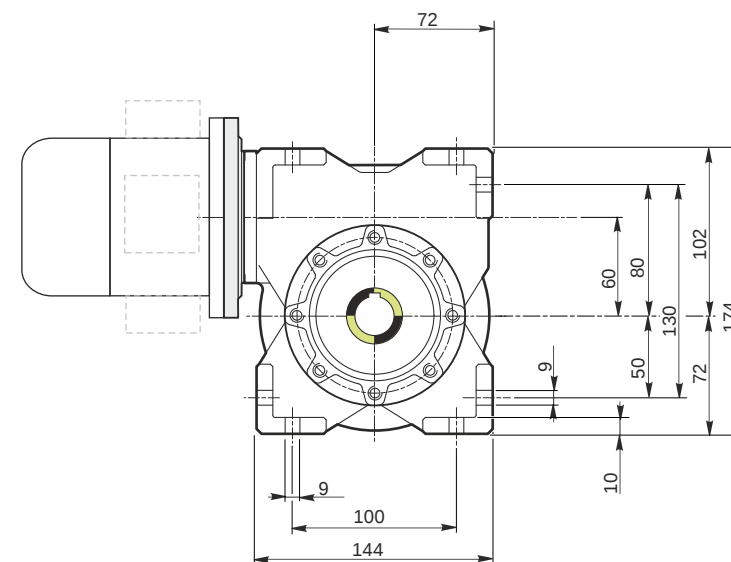
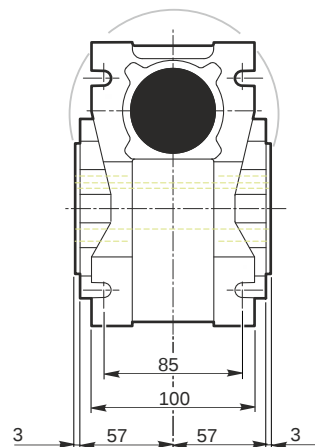
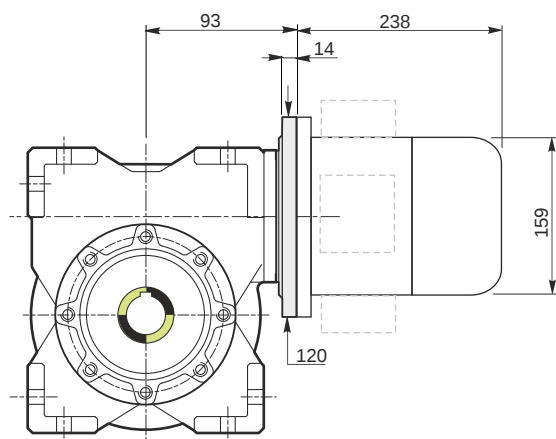
|                     |  |       |
|---------------------|--|-------|
| Hollow output shaft |  | AC 25 |
|---------------------|--|-------|

### Electric motor

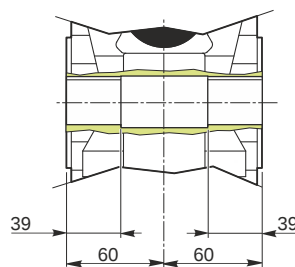
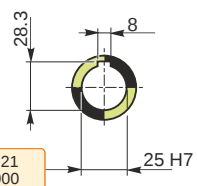
|       |      |       |
|-------|------|-------|
| Size  |      | 80 B4 |
| Poles |      | 4     |
| Power | [kW] | 0.75  |

#### Electric motor configuration

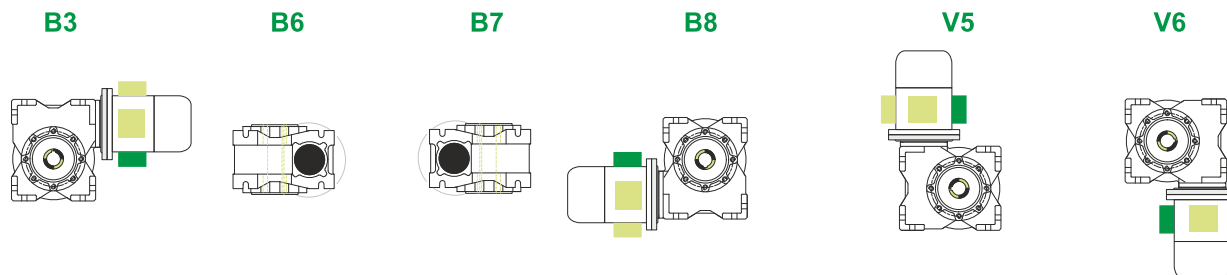
|                       |  |     |
|-----------------------|--|-----|
| Motor flange          |  | B14 |
| Terminal box position |  | X3  |



*Hollow output shaft*



## Mounting positions



Terminal box position



0.23



Oil quantity [litres]

Lubricant type: Long life synthetic oil ISO VG320

## Direction of rotation



## Weight

|                     |     |
|---------------------|-----|
| Gear unit [kg]      | 6.5 |
| Electric motor [kg] | 9.8 |

## Gearing data

|                  |        |
|------------------|--------|
| Axial module     | 3.3    |
| Number of starts | 1      |
| Lead angle       | 6° 49' |
| Pressure angle   | 20°    |

## Backdriving

Static self-locking  
Slow back-driving in case of vibrations  
Low dynamic back-driving

**M RT 60 B3 28 80 B14 AC 25 MT 0.75 kW 80 B4 B14 X3**