

### Input data

|                       |       |            |
|-----------------------|-------|------------|
| System of measurement |       | Metric     |
| Input type            |       | Gear motor |
| Input speed           | [rpm] | 1400       |
| Output speed          | [rpm] | 17.5       |
| Ratio (i=)            |       | 80         |
| Frequency             | [Hz]  | 50         |
| Input options         |       | IEC        |
| Requested input power | [kW]  | 0.37       |
| Service factor        |       | 1          |
| Rated Power P1        | [kW]  | 0.37       |

### Output data

**Gear unit** **M RS 60 PC 80 71 B14 AC 25 MT 0.37 kW 71 B4 B14 X3 B3**

|                     |                     |                          |
|---------------------|---------------------|--------------------------|
| Type                |                     | RS - Worm speed reducers |
| Input type          |                     | M                        |
| Size                |                     | 60                       |
| Ratio (i=)          |                     | 80                       |
| Input flange        |                     | B14                      |
| Mounting position   |                     | B3                       |
| Input speed         | [rpm]               | 1400                     |
| Output speed        | [rpm]               | 17.5                     |
| Rated output torque | [Nm]                | 107.01                   |
| Service Factor      |                     | 1                        |
| Efficiency          |                     | 0.53                     |
| Inertia moment      | [kgm <sup>2</sup> ] | 0.000104                 |

#### Gear unit configuration

|              |                     |
|--------------|---------------------|
| Output shaft | Hollow output shaft |
| Fixing       | Shaft mounting      |
| Version      | PC                  |

#### Output radial and axial loads

|                                   |     |      |
|-----------------------------------|-----|------|
| Ball bearings output radial load  | [N] | 5300 |
| Taper bearings output radial load | [N] | 6600 |
| Ball bearings output axial load   | [N] | 1060 |
| Taper bearings output axial load  | [N] | 1320 |

#### Accessories

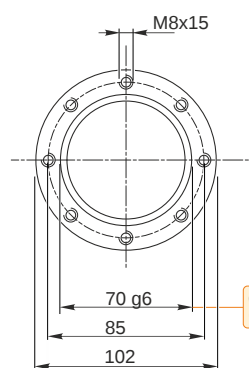
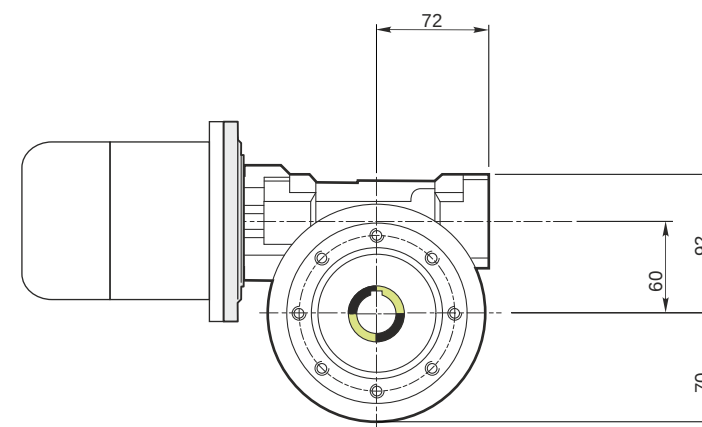
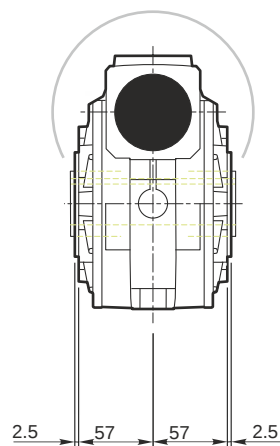
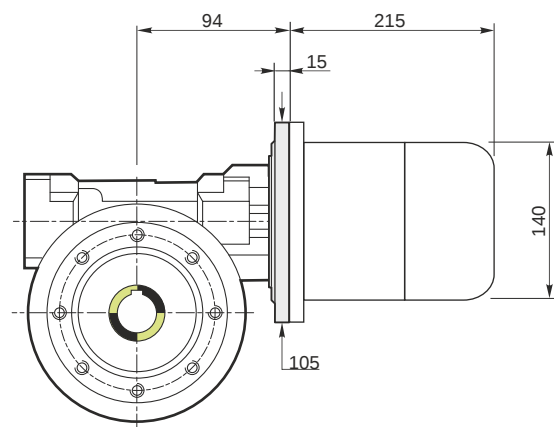
|                     |       |
|---------------------|-------|
| Hollow output shaft | AC 25 |
|---------------------|-------|

### Electric motor

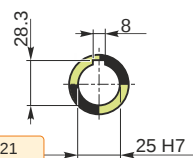
|       |      |       |
|-------|------|-------|
| Size  |      | 71 B4 |
| Poles |      | 4     |
| Power | [kW] | 0.37  |

#### Electric motor configuration

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

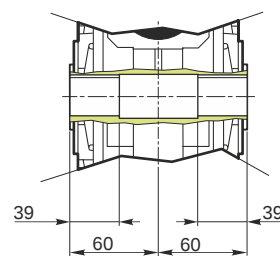


*Hollow output shaft*

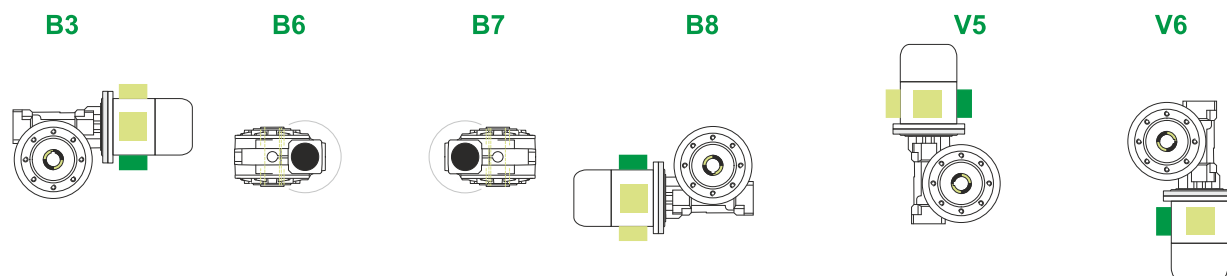


69.99  
69.971

25.021  
25.000



## 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] | 6.2 |

## Gearing data

|                  |        |
|------------------|--------|
| Axial module     | 1.2    |
| Number of starts | 1      |
| Lead angle       | 2° 51' |
| Pressure angle   | 20°    |

## Backdriving

Static self-locking  
No back-driving  
Low dynamic back-driving

**M RS 60 PC 80 71 B14 AC 25 MT 0.37 kW 71 B4 B14 X3 B3**