

### Input data

|                       |       |            |
|-----------------------|-------|------------|
| System of measurement |       | Metric     |
| Input type            |       | Gear motor |
| Input speed           | [rpm] | 1400       |
| Output speed          | [rpm] | 25         |
| Ratio (i=)            |       | 56         |
| Frequency             | [Hz]  | 50         |
| Input options         |       | IEC        |
| Requested input power | [kW]  | 0.09       |
| Service factor        |       | 0.9        |
| Rated Power P1        | [kW]  | 0.08       |

### Output data

**Gear unit** **M RT 28 B3 56 56 B14 AC 14 MT 0.09 kW 56 B4 B14 X3**

|                     |                     |                          |
|---------------------|---------------------|--------------------------|
| Type                |                     | RT - Worm speed reducers |
| Input type          |                     | M                        |
| Size                |                     | 28                       |
| Ratio (i=)          |                     | 56                       |
| Input flange        |                     | B14                      |
| Input speed         | [rpm]               | 1400                     |
| Output speed        | [rpm]               | 25                       |
| Rated output torque | [Nm]                | 17.53                    |
| Service Factor      |                     | 0.9                      |
| Efficiency          |                     | 0.51                     |
| Inertia moment      | [kgm <sup>2</sup> ] | 0.000005                 |

#### Gear unit configuration

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

#### Output radial and axial loads

|                                   |     |      |
|-----------------------------------|-----|------|
| Ball bearings output radial load  | [N] | 800  |
| Taper bearings output radial load | [N] | 1200 |
| Ball bearings output axial load   | [N] | 160  |
| Taper bearings output axial load  | [N] | 240  |

#### Accessories

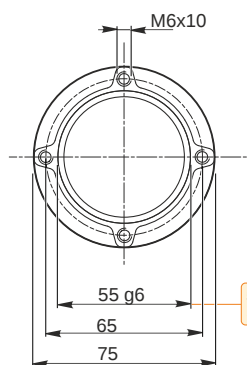
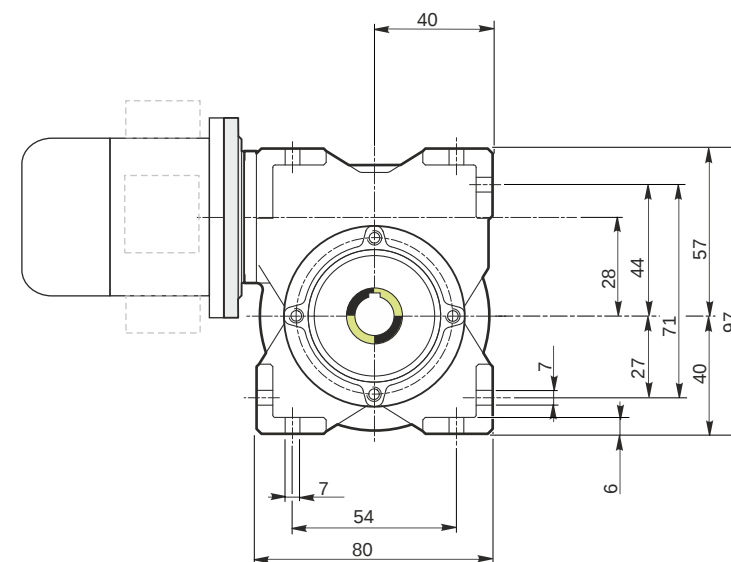
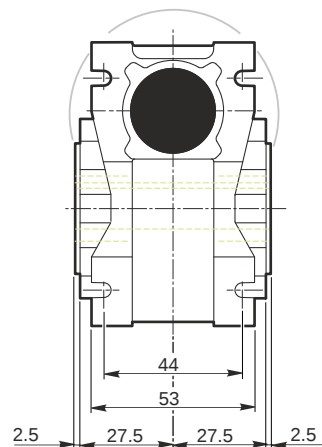
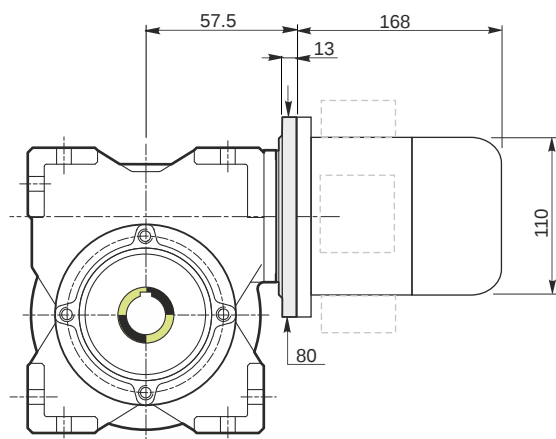
|                     |  |       |
|---------------------|--|-------|
| Hollow output shaft |  | AC 14 |
|---------------------|--|-------|

### Electric motor

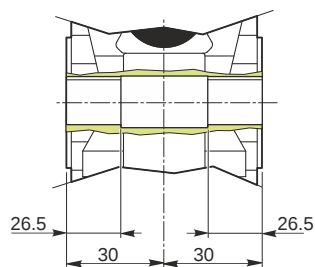
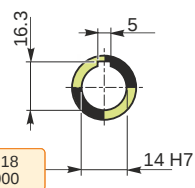
|       |      |       |
|-------|------|-------|
| Size  |      | 56 B4 |
| Poles |      | 4     |
| Power | [kW] | 0.09  |

#### Electric motor configuration

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

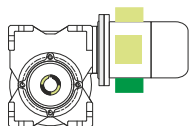


*Hollow output shaft*

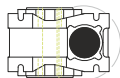


## Mounting positions

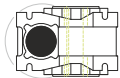
B3



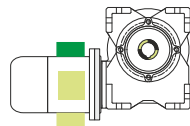
B6



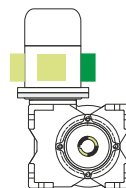
B7



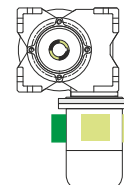
B8



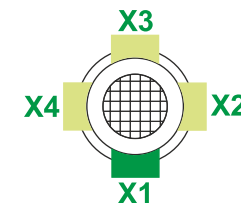
V5



V6



Terminal box position



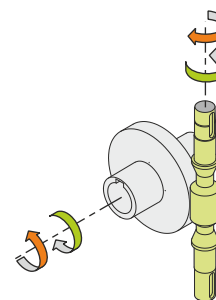
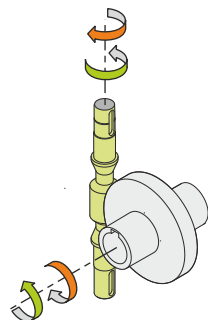
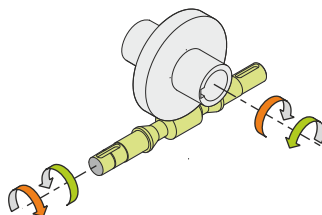
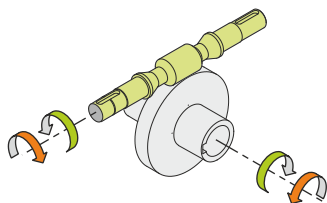
0.03



Oil quantity [litres]

Lubricant type: Long life synthetic oil ISO VG320

## Direction of rotation



## Weight

|                     |     |
|---------------------|-----|
| Gear unit [kg]      | 1.1 |
| Electric motor [kg] | 2.6 |

## Gearing data

|                  |        |
|------------------|--------|
| Axial module     | 0.75   |
| Number of starts | 1      |
| Lead angle       | 3° 03' |
| Pressure angle   | 20°    |

## Backdriving

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