## Input data

| | | |
|---|---|---|
| System of measurement | | Metric |
| Input type | | Gear motor |
| Input speed | [rpm] | 1400 |
| Output speed | [rpm] | 14.66 |
| Ratio (i=) | | 95.48 |
| Frequency | [Hz] | 50 |
| Input options | | IEC |
| Requested input power | [kW] | 0.55 |
| Service factor | | 1 |
| Rated Power P1 | [kW] | 0.55 |

## Output data

| **Gear unit** | | **M TA 80/60 B3 10 95.48 80 B14 AC 25 MT 0.55 kW 80 A4 B14 X3** |
|---|---|---|
| Type | | TA - Worm speed reducers |
| Input type | | M |
| Size | | 80/60 |
| Ratio (i=) | | 95.48 |
| Gearbox ratio | | 28.00 |
| Pre-stage ratio | | 3.41 |
| Input flange | | B14 |
| Input speed | [rpm] | 1400 |
| Output speed | [rpm] | 14.66 |
| Rated output torque | [Nm] | 218.51 |
| Service Factor | | 1 |
| Efficiency | | 0.61 |
| Inertia moment | [$kgm^2$] | 0.00038 |

**Gear unit configuration**

| | | |
|---|---|---|
| Output shaft | | Hollow output shaft |
| Fixing | | Universal |
| Version | | B3 |
| Attachment position | | 10 |

**Output radial and axial loads**

| | | |
|---|---|---|
| Ball bearings output radial load | [N] | 5600 |
| Taper bearings output radial load | [N] | 6600 |
| Ball bearings output axial load | [N] | 1120 |
| Taper bearings output axial load | [N] | 1320 |

**Accessories**

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

**Electric motor**

| | | |
|---|---|---|
| Size | | 80 A4 |
| Poles | | 4 |
| Power | [kW] | 0.55 |

**Electric motor configuration**

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


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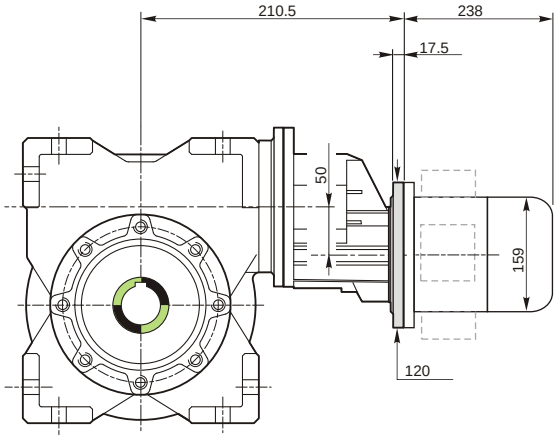
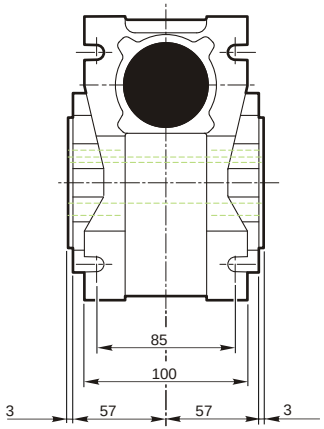
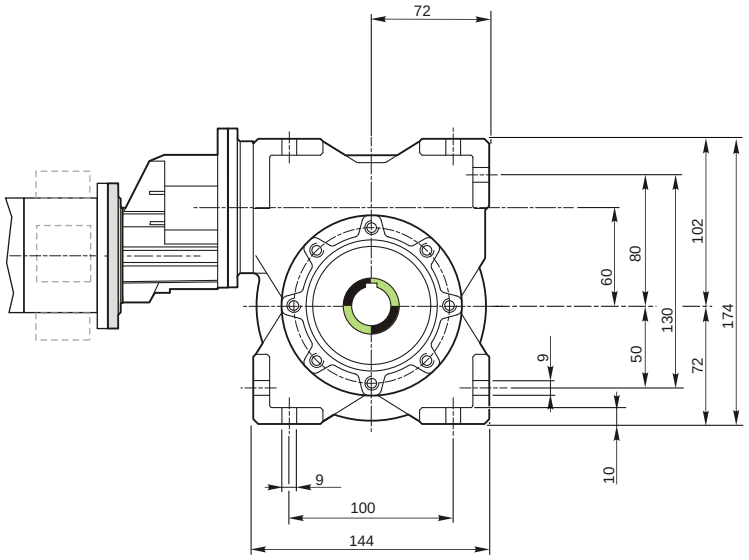
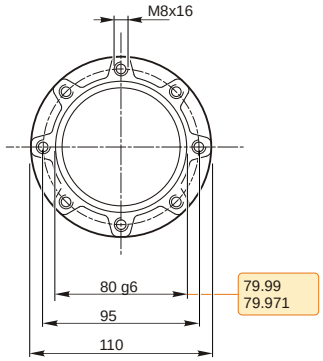
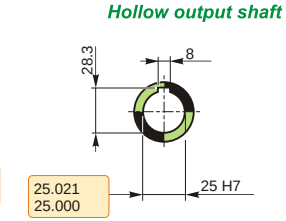


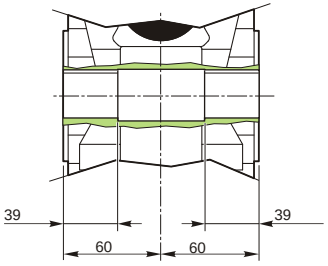



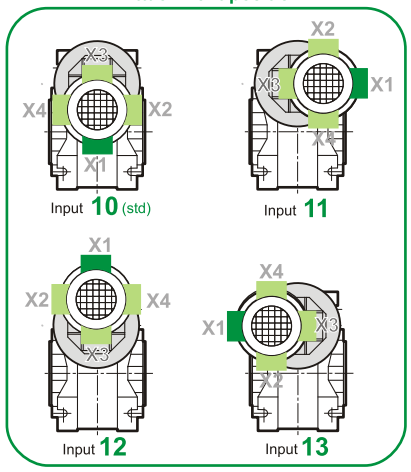




**Hollow output shaft**




**Attachment position**




## M TA 80/60 B3 10 95.48 80 B14 AC 25 MT 0.55 kW 80 A4 B14 X3



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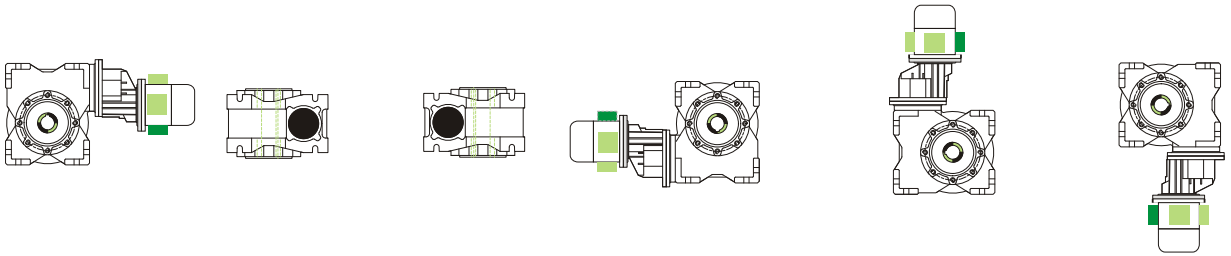
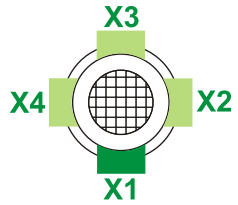
## Mounting positions

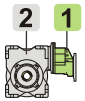
B3 B6 B7 B8 V5 V6



Terminal box position



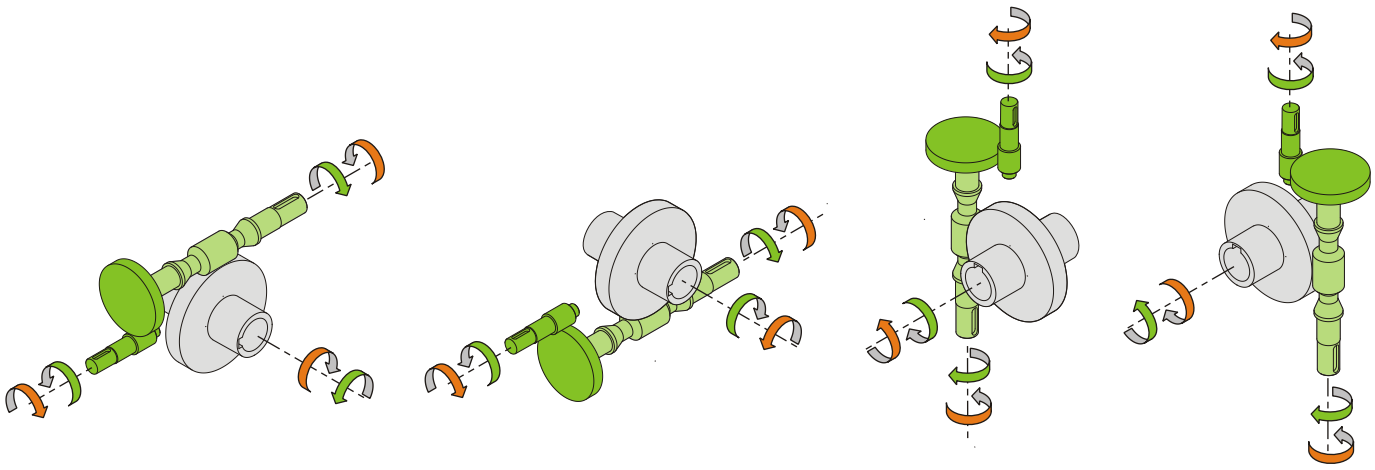

| | |
|---|---|
| 0.1 | 1 |
| 0.23 | 2 |




Oil quantity [litres]

Lubricant type: Long life synthetic oil ISO VG320

## Direction of rotation



## Weight

| | |
|---|---|
| Gear unit [kg] | 10.5 |
| 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 TA 80/60 B3 10 95.48 80 B14 AC 25 MT 0.55 kW 80 A4 B14 X3**



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