

## Input data

|                       |       |            |
|-----------------------|-------|------------|
| System of measurement |       | Metric     |
| Input type            |       | Gear motor |
| Input speed           | [rpm] | 1400       |
| Output speed          | [rpm] | 35         |
| Ratio (i=)            |       | 40         |
| Frequency             | [Hz]  | 50         |
| Input options         |       | IEC        |
| Requested input power | [kW]  | 1.1        |
| Service factor        |       | 1.1        |
| Rated Power P1        | [kW]  | 1.23       |

## Output data

**Gear unit** **M RS 70 PC 40 90 B14 AC 28 MT 1.1 kW 90 S4 B14 X3 B3**

|                     |                     |                          |
|---------------------|---------------------|--------------------------|
| Type                |                     | RS - Worm speed reducers |
| Input type          |                     | M                        |
| Size                |                     | 70                       |
| Ratio (i=)          |                     | 40                       |
| Input flange        |                     | B14                      |
| Mounting position   |                     | B3                       |
| Input speed         | [rpm]               | 1400                     |
| Output speed        | [rpm]               | 35                       |
| Rated output torque | [Nm]                | 213.1                    |
| Service Factor      |                     | 1.1                      |
| Efficiency          |                     | 0.71                     |
| Inertia moment      | [kgm <sup>2</sup> ] | 0.000245                 |

### Gear unit configuration

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

### Output radial and axial loads

|                                   |     |      |
|-----------------------------------|-----|------|
| Ball bearings output radial load  | [N] | 4500 |
| Taper bearings output radial load | [N] | 6100 |
| Ball bearings output axial load   | [N] | 900  |
| Taper bearings output axial load  | [N] | 1220 |

### Accessories

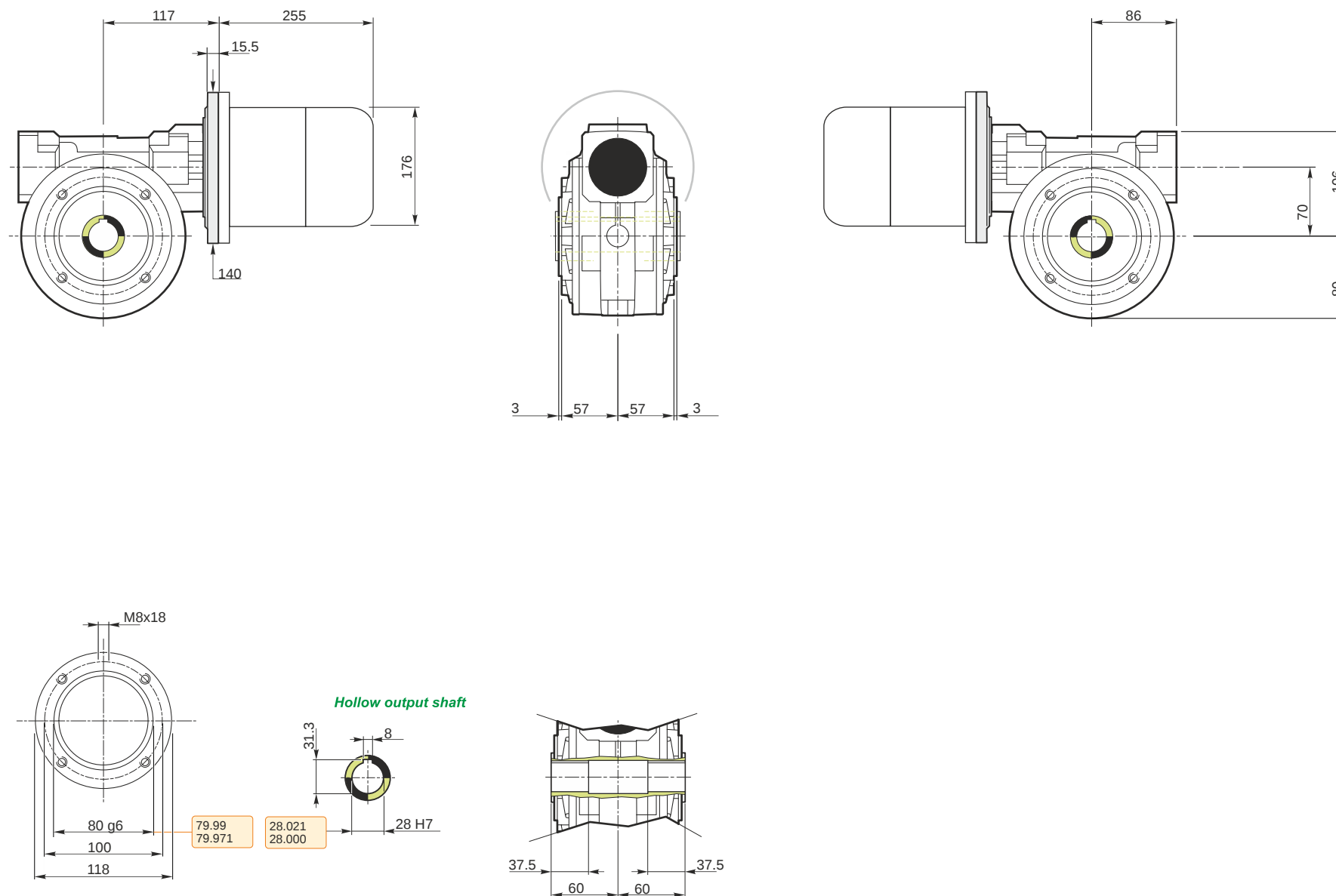
|                     |       |
|---------------------|-------|
| Hollow output shaft | AC 28 |
|---------------------|-------|

## Electric motor

|       |      |       |
|-------|------|-------|
| Size  |      | 90 S4 |
| Poles |      | 4     |
| Power | [kW] | 1.1   |

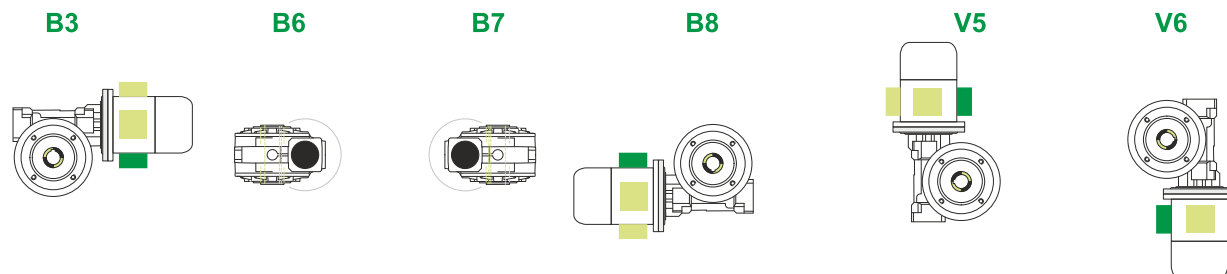
### Electric motor configuration

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

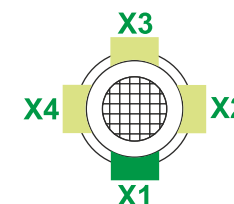


**M RS 70 PC 40 90 B14 AC 28 MT 1.1 kW 90 S4 B14 X3 B3**

## Mounting positions



Terminal box position



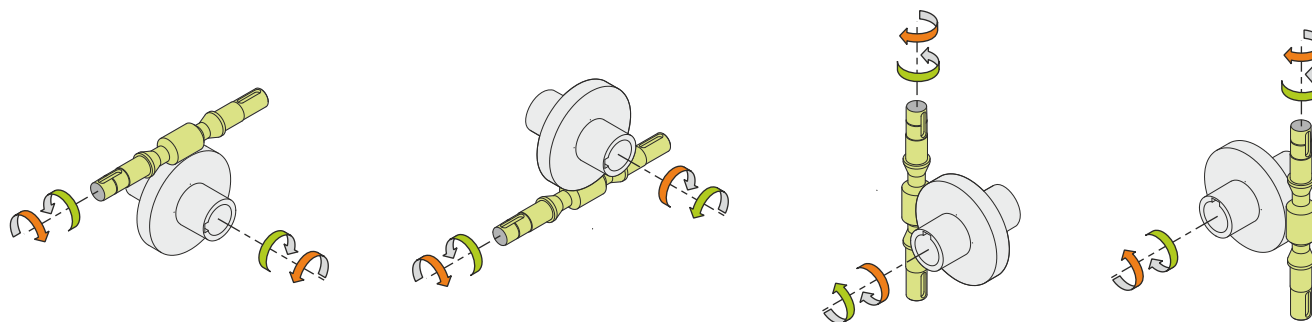
0.35



← Oil quantity [litres]

Lubricant type: Long life synthetic oil ISO VG320

## Direction of rotation



## Weight

|                     |    |
|---------------------|----|
| Gear unit [kg]      | 9  |
| Electric motor [kg] | 12 |

## Gearing data

|                  |        |
|------------------|--------|
| Axial module     | 2.8    |
| Number of starts | 1      |
| Lead angle       | 5° 42' |
| Pressure angle   | 20°    |

## Backdriving

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