

## 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]  | 5.5        |
| Service factor        |       | 1          |
| Rated Power P1        | [kW]  | 5.5        |

## Output data

|                  |                                                                |
|------------------|----------------------------------------------------------------|
| <b>Gear unit</b> | <b>M RS 130 PC 40 132 B14 AC 48 MT 5.5 kW 132 S4 B14 X3 B3</b> |
|------------------|----------------------------------------------------------------|

|                     |                     |                          |
|---------------------|---------------------|--------------------------|
| Type                |                     | RS - Worm speed reducers |
| Input type          |                     | M                        |
| Size                |                     | 130                      |
| Ratio (i=)          |                     | 40                       |
| Input flange        |                     | B14                      |
| Mounting position   |                     | B3                       |
| Input speed         | [rpm]               | 1400                     |
| Output speed        | [rpm]               | 35                       |
| Rated output torque | [Nm]                | 1140.54                  |
| Service Factor      |                     | 1                        |
| Efficiency          |                     | 0.76                     |
| Inertia moment      | [kgm <sup>2</sup> ] | 0.002685                 |

### Gear unit configuration

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

### Output radial and axial loads

|                                   |     |       |
|-----------------------------------|-----|-------|
| Ball bearings output radial load  | [N] | 7800  |
| Taper bearings output radial load | [N] | 11700 |
| Ball bearings output axial load   | [N] | 1560  |
| Taper bearings output axial load  | [N] | 2340  |

### Accessories

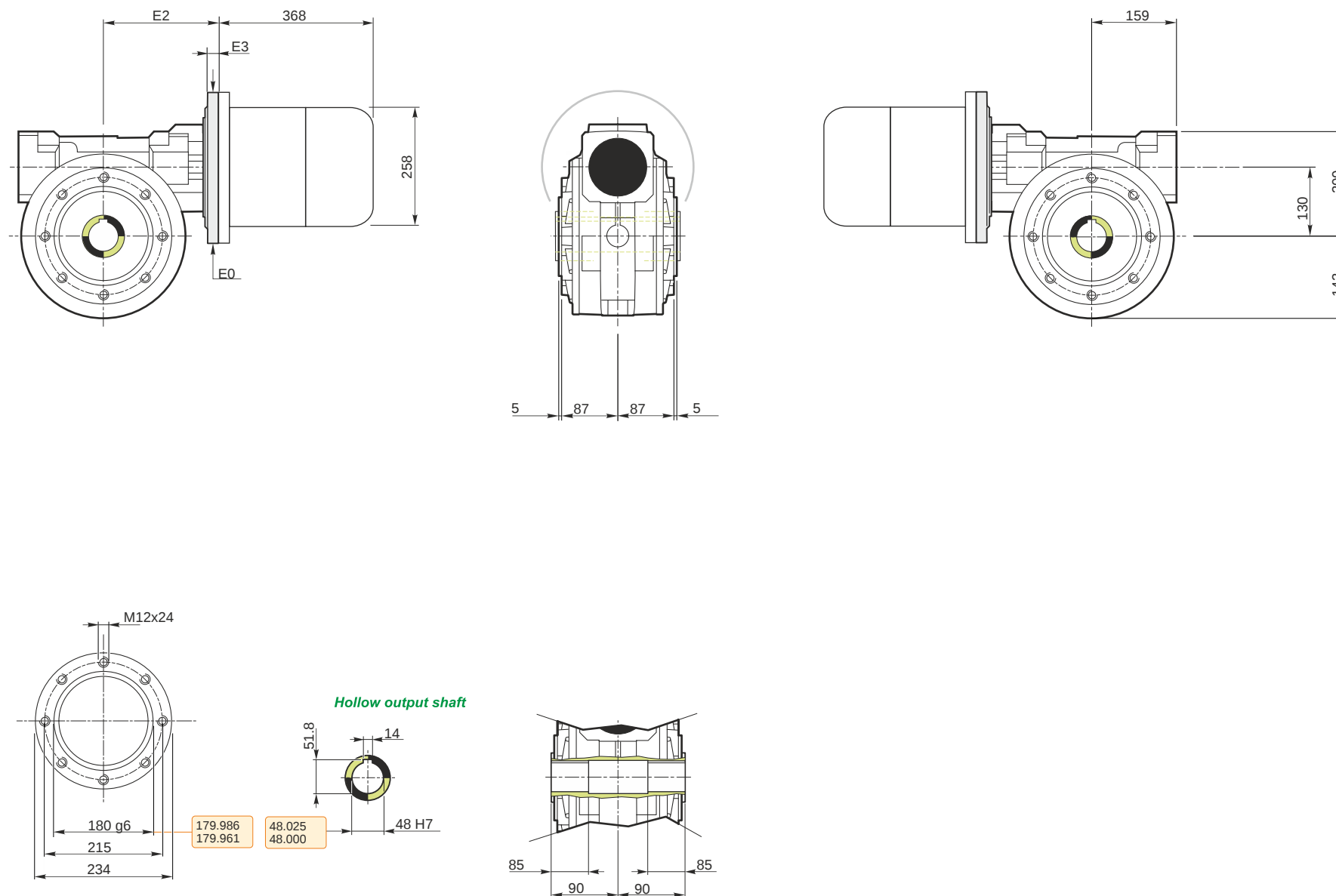
|                     |       |
|---------------------|-------|
| Hollow output shaft | AC 48 |
|---------------------|-------|

## Electric motor

|       |      |        |
|-------|------|--------|
| Size  |      | 132 S4 |
| Poles |      | 4      |
| Power | [kW] | 5.5    |

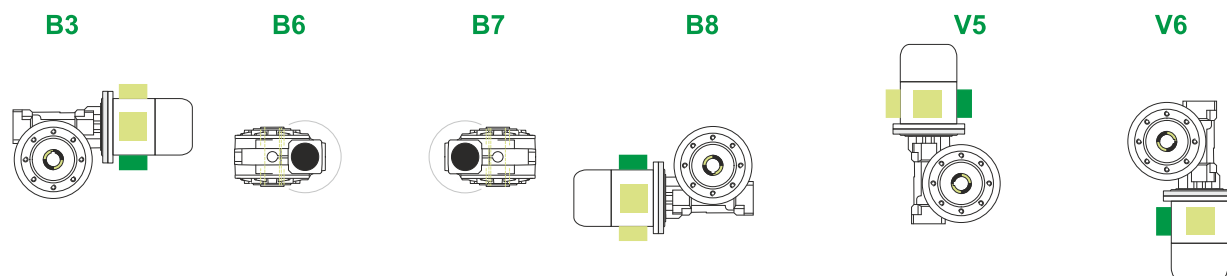
### Electric motor configuration

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



**M RS 130 PC 40 132 B14 AC 48 MT 5.5 kW 132 S4 B14 X3 B3**

## Mounting positions



Terminal box position



2.75



← Oil quantity [litres]

Lubricant type: Long life synthetic oil ISO VG320

## Direction of rotation



## Weight

|                     |    |
|---------------------|----|
| Gear unit [kg]      | 50 |
| Electric motor [kg] | 43 |

## Gearing data

|                  |        |
|------------------|--------|
| Axial module     | 5.30   |
| Number of starts | 1      |
| Lead angle       | 6° 18' |
| Pressure angle   | 20°    |

## Backdriving

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