

# Piston pumps (oil)

## Series C - rotating drive



CS 1,5 / CS 3 with visual control, rotating

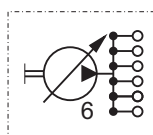
### Technical data

#### Pump

Output rate: max. 0,15 cm<sup>3</sup> per stroke and outlet  
 Regulation of output: 1 - 6 individual outlets  
 Reservoir content: 1,8 / 3 l  
 Driving speed: max. 500 r.p.m. at 12:1  
 max. 750 r.p.m. at 18:1  
 max. 1400 r.p.m. at 36:1  
 max. 2600 r.p.m. at 72:1  
 Operating pressure: max. 50 bar  
 Lubricant: oil  
 Viscosity range: 25 - 1500 mm<sup>2</sup>/s  
 Temperature range: medium 0 - 70 °C  
 ambient 0 - 40 °C  
 No. of outlets: max. 6  
 Outlet type: see order key  
 Sense of rotation: optional  
 Drive: rotating



### Symbol



Oil lubrication pumps

### Order key for type 2302, 2312

|                               |  |                          |    |    |        |                          |               |  |   |                            |  |  |  |  |  |  |  |  |  |  |  |  |
|-------------------------------|--|--------------------------|----|----|--------|--------------------------|---------------|--|---|----------------------------|--|--|--|--|--|--|--|--|--|--|--|--|
| Order key for type 2302, 2312 |  |                          |    |    |        |                          |               |  |   | 2312 1 1 1 01 1 1 000      |  |  |  |  |  |  |  |  |  |  |  |  |
| Type number                   |  | 2302 (= CS 1,5)          |    |    |        |                          | 2312 (= CS 3) |  |   |                            |  |  |  |  |  |  |  |  |  |  |  |  |
| Code-no.                      |  | 2302                     |    |    |        |                          | 2312          |  |   |                            |  |  |  |  |  |  |  |  |  |  |  |  |
| Reduction                     |  | 12:1                     |    |    | 18:1   |                          | 36:1          |  |   | 72:1                       |  |  |  |  |  |  |  |  |  |  |  |  |
| Code-no.                      |  | 1                        |    |    | 2      |                          | 3             |  |   | 4                          |  |  |  |  |  |  |  |  |  |  |  |  |
| Drive position                |  | Pos. 1                   |    |    | Pos. 2 |                          | Pos. 3        |  |   | Pos. 4                     |  |  |  |  |  |  |  |  |  |  |  |  |
| Code-no.                      |  | 1                        |    |    | 2      |                          | 3             |  |   | 4                          |  |  |  |  |  |  |  |  |  |  |  |  |
| Position oil level indication |  | Pos. 1                   |    |    | Pos. 2 |                          | Pos. 1 and 2  |  |   |                            |  |  |  |  |  |  |  |  |  |  |  |  |
| Code-no.                      |  | 1                        |    |    | 2      |                          | 3             |  |   |                            |  |  |  |  |  |  |  |  |  |  |  |  |
| No. of outlets                |  | 1                        | 2  | 3  | 4      | 5                        | 6             |  |   |                            |  |  |  |  |  |  |  |  |  |  |  |  |
| Code-no.                      |  | 01                       | 02 | 03 | 04     | 05                       | 06            |  |   |                            |  |  |  |  |  |  |  |  |  |  |  |  |
| Outlet type                   |  | solderless f. pipe Ø4 mm |    |    |        | solderless f. pipe Ø6 mm |               |  |   | bent outlet for pipe Ø6 mm |  |  |  |  |  |  |  |  |  |  |  |  |
| Code-no.                      |  | 1                        |    |    | 2      |                          |               |  | 3 |                            |  |  |  |  |  |  |  |  |  |  |  |  |
| Crank handle                  |  | without                  |    |    |        | with (not revolving)     |               |  |   |                            |  |  |  |  |  |  |  |  |  |  |  |  |
| Code-no.                      |  | 0                        |    |    |        | 1                        |               |  |   |                            |  |  |  |  |  |  |  |  |  |  |  |  |
| Special models                |  |                          |    |    |        |                          |               |  |   |                            |  |  |  |  |  |  |  |  |  |  |  |  |

06-1-50-07 state: 09.14EN

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Subject to alterations!

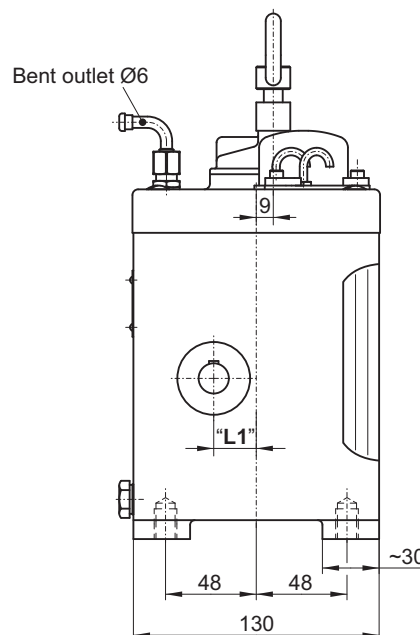
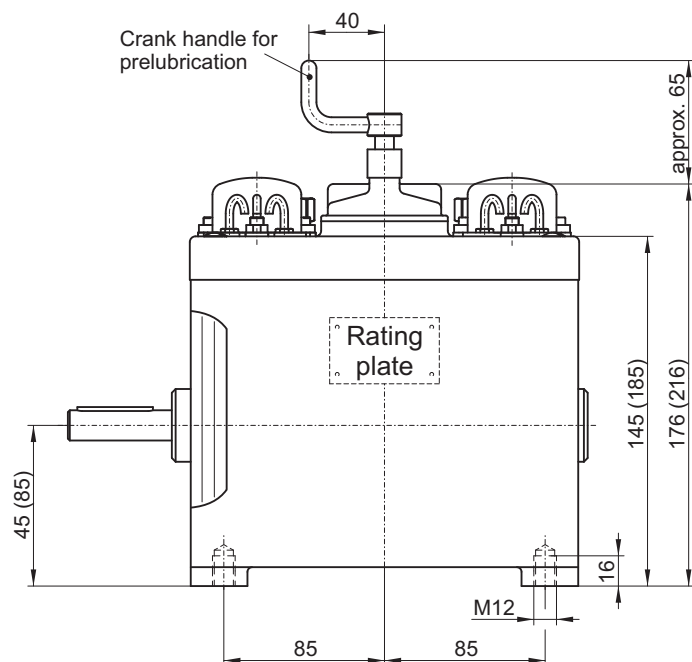
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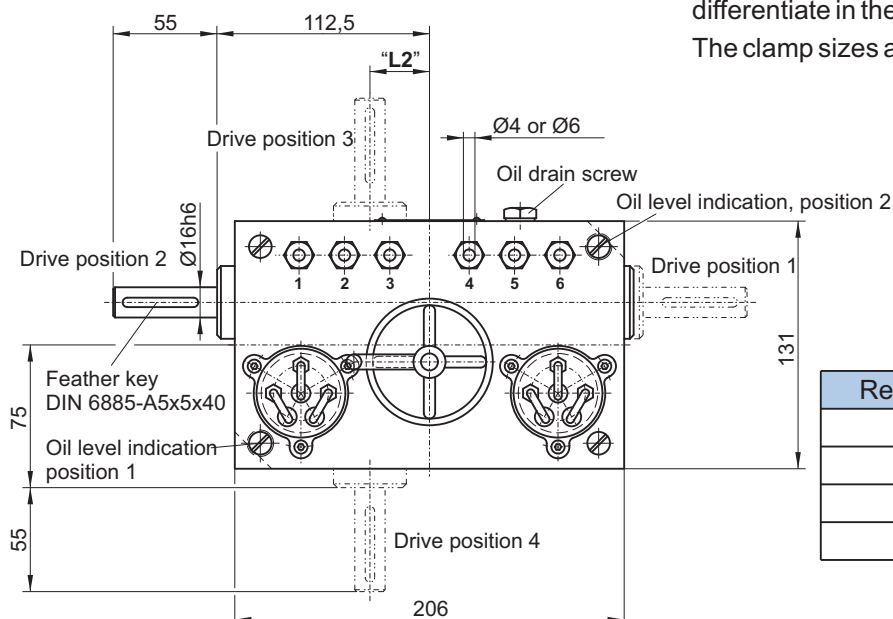
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The oil lubrication pumps CS 1,5 and CS 3 differentiate in their oil capacity and the height. The clamp sizes are for CS 3.



| Reduction | "L1" (mm) | "L2" (mm) |
|-----------|-----------|-----------|
| 12:1      | 22,5      | 31,5      |
| 18:1      |           |           |
| 36:1      |           |           |
| 72:1      | 37,5      | 46,5      |

For calculating the output rate, the reductions listed in the order key have to be **doubled**, as with one piston stroke the visual control and the pressure outlet are controlled.

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