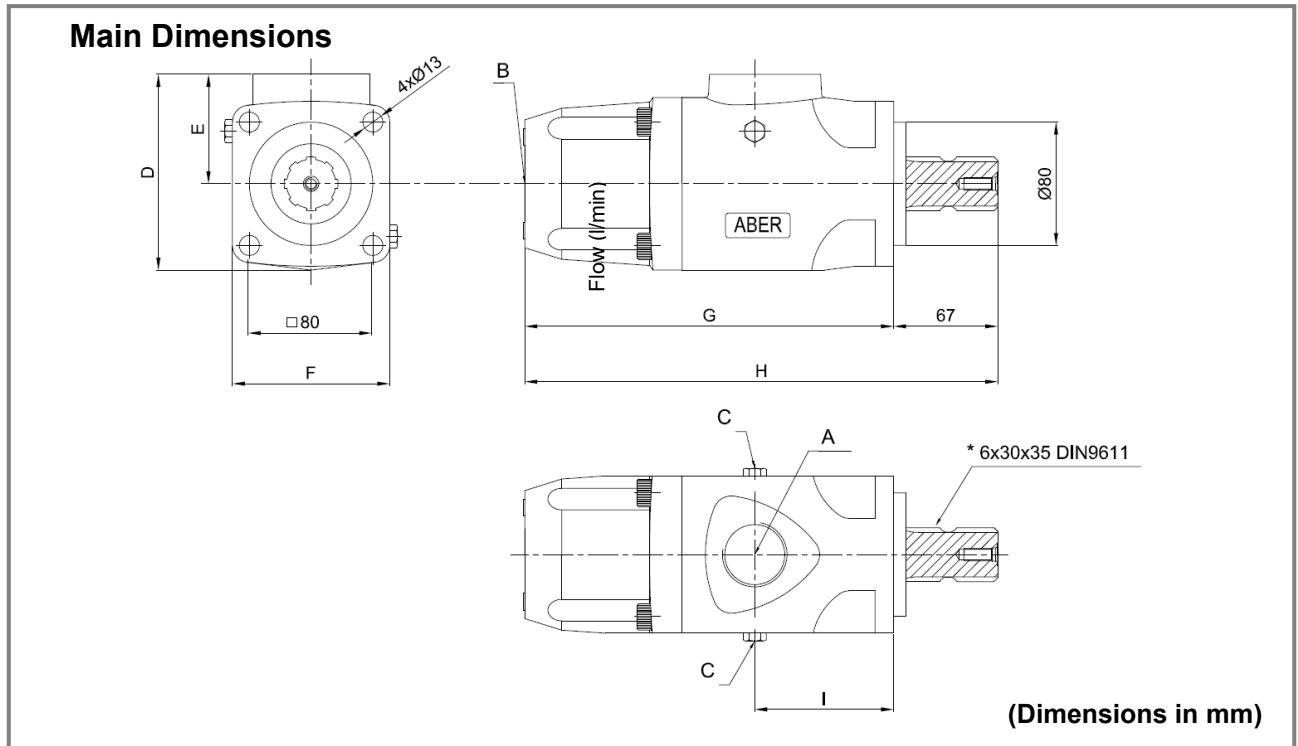




# OIL-HYDRAULIC PUMP AXIAL PISTONS

Ref. BHZ\_DA



| Main Data                                      |                |              |              |              |              |              |              |
|--|----------------|--------------|--------------|--------------|--------------|--------------|--------------|
| <b>Pumps BHZ_UNI</b>                           | <b>25319</b>   | <b>25419</b> | <b>25519</b> | <b>25619</b> | <b>25716</b> | <b>25719</b> | <b>25916</b> |
| <b>Cylinder capacity (cm<sup>3</sup>/Rot.)</b> | 32             | 40           | 50           | 60           | 70           | 80           | 110          |
| <b>Output at max. rotation (l/min)</b>         | 48             | 60           | 75           | 90           | 105          | 96           | 132          |
| <b>Operating pressure (bar) (up to)</b>        | 250            | 250          | 250          | 250          | 250          | 250          | 250          |
| <b>Peak pressure (bar)</b>                     | 320            | 320          | 320          | 320          | 320          | 320          | 320          |
| <b>Rotation mín. (rpm)</b>                     | 200            | 200          | 200          | 200          | 200          | 200          | 200          |
| <b>Rotation máx. (rpm)</b>                     | 1500           | 1500         | 1500         | 1500         | 1500         | 1200         | 1200         |
| <b>Weight (kg)</b>                             | 12             | 12           | 13           | 13           | 16           | 16           | 21,5         |
| <b>Sense of Rotation</b>                       | Bi-directional |              |              |              |              |              |              |
| <b>A-Oil inlet (BSP)</b>                       | 1" 1/4         | 1" 1/4       | 1" 1/4       | 1" 1/4       | 1" 1/2       | 1" 1/2       | 1" 1/2       |
| <b>B-Oil Outlet (BSP)</b>                      | 3/4"           | 3/4"         | 3/4"         | 3/4"         | 1"           | 1"           | 1"           |
| <b>C</b>                                       | Oil drain plug |              |              |              |              |              |              |
| <b>D</b>                                       | 125            | 125          | 125          | 125          | 148          | 148          | 152          |
| <b>E</b>                                       | 69             | 69           | 69           | 69           | 72           | 72           | 80           |
| <b>F</b>                                       | 102            | 102          | 102          | 102          | 118          | 118          | 142          |
| <b>G</b>                                       | 240            | 240          | 240          | 240          | 259          | 259          | 270          |
| <b>H</b>                                       | 307            | 307          | 307          | 307          | 326          | 326          | 337          |
| <b>I</b>                                       | 90             | 90           | 90           | 90           | 118          | 118          | 134          |

**How to order:**

**Example:** Pump 32cm<sup>3</sup>, operating pressure up to 250 bar; peak pressure 320 bar, ref. BHZ\_DA BHZ25319DA

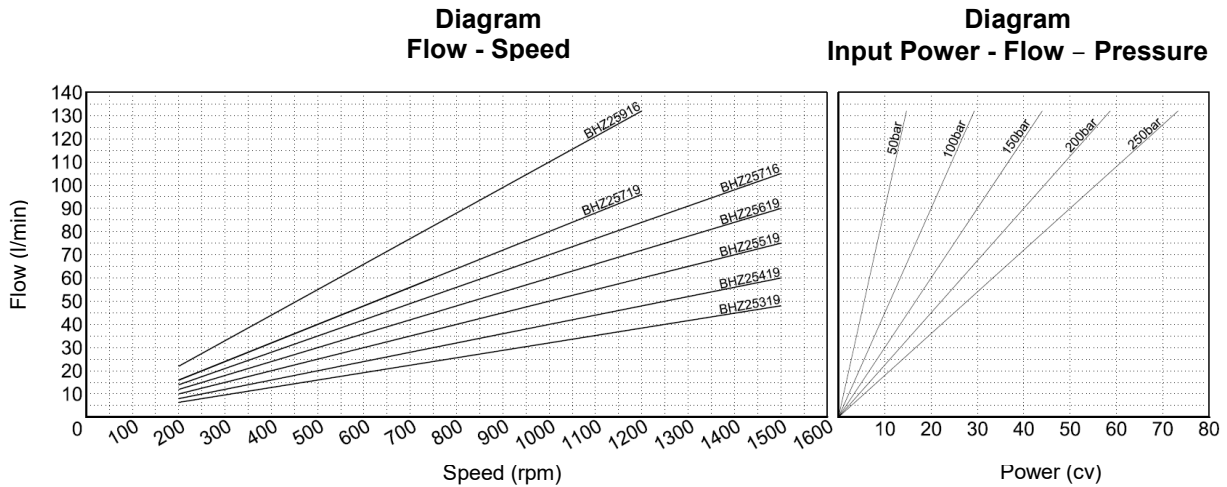
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CTI BHZ\_DA 1306- 2



# OIL-HYDRAULIC PUMP AXIAL PISTONS

Ref. BHZ\_DA



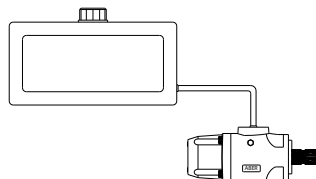
## Hose dimensions

| Inlet Hose   |                               |
|--------------|-------------------------------|
| Flow (l/min) | Internal pipe diameter (inch) |
| 30-40        | 1"1/4                         |
| 50-60        | 1"1/2                         |
| 70-90        | 1"3/4                         |
| 100-120      | 2"                            |
| 130-150      | 2"1/4                         |

| Outlet Hose  |                               |         |         |         |
|--------------|-------------------------------|---------|---------|---------|
| Flow (l/min) | Internal pipe diameter (inch) |         |         |         |
|              | 30                            | 1/2"    | 1/2"    | 1/2"    |
| 40           | 5/8"                          | 1/2"    | 1/2"    | 1/2"    |
| 50           | 5/8"                          | 5/8"    | 5/8"    | 1/2"    |
| 60           | 3/4"                          | 5/8"    | 5/8"    | 5/8"    |
| 70           | 1"                            | 3/4"    | 3/4"    | 5/8"    |
| 80           | 1"                            | 3/4"    | 3/4"    | 3/4"    |
| 90           | 1"                            | 1"      | 1"      | 3/4"    |
| 100          | 1"                            | 1"      | 1"      | 1"      |
| 110          | 1"                            | 1"      | 1"      | 1"      |
| 120          | 1"                            | 1"      | 1"      | 1"      |
| 130          | 1"                            | 1"      | 1"      | 1"      |
|              | 50-100                        | 100-150 | 150-200 | 200-300 |
|              | <b>P (bar)</b>                |         |         |         |

### IMPORTANT NOTES:

- Other axis available, please consult "Axel options"
- Diameter of inlet pipes lower than indicated in our technical catalogues as well as a poor sealing can cause cavitation phenomenon to occur, thereby deteriorating the pump
- Keep up the deposit above pump level
- Used always return filters. We recommend filters with mesh equal to or lower than 25  $\mu$ m
- The connection of inlet pipes in the pump, can be done by threading or flange and the sealing by orring
- Use a good quality mineral hydraulic-oil with viscosity at operating temperature between 20 and 46 cSt
- Fill the oil tank to 85% of its maximum capacity (the remainder 15% must not have oil)



Keep up the deposit above pump level

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