Alpha series - Front end cylinder with single eye

FE A169-5-07030-019-K1729

Item no. 70546584

Tipping weight 30 - 42 ton

Specifications

- Max. working pressure\(^4\): 170 bar
- Weight: 265 kg
- Working volume: 97 L
- Total volume: 106 L
- Max. cyl. load (start tipping): 245 kN
- Max. cyl. load (end of stroke)\(^2\): 78 kN
- Max. cyl. load (end of stroke)\(^3\): 91 kN

Max. pump flow

- With KO\(^1\): 190 L/min
- Without KO\(^1\): 137 L/min
- With KO\(^1\) below -20°C: 133 L/min
- Without KO\(^1\) below -20°C: 96 L/min

Tipping time

- With KO\(^1\): 31 sec
- Without KO\(^1\): 42 sec
- With KO\(^1\) below -20°C: 44 sec
- Without KO\(^1\) below -20°C: 60 sec
- Allowable lowering time: 31 sec

Technical notes

- This cylinder is a lifting device only. It should not be used as a structural member and should not be subjected to side loads. Tipping valve must have a pressure relief at the cylinder port set not higher than max. working pressure. Verify max. cyl. load. Working temperature range is between -40°C and +80°C. Max. duration of extension is 0.5 hours (excluded hard chromed stages). Cylinder is painted black (RAL9005) with a min. thickness conforming to the 480 hours neutral salt spray test as per ISO 9227. Hyva knock-off. Unsubstantial unloading (sticky load).

Related documentation

- Bracket options: 015BRA10 & 015BRA13
- Mounting instructions: CYL-0031
- Oil specifications: OIL-0011
- Spec sheet explanation: CYL-0041

Tipping weight

For detailed tipping calculations please refer to: https://tipper.hyva.com

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DO-E 70546584 / 2017-7-31 / RV AD
### Alpha series - Front end cylinder with single eye

#### FE A169-5-07030-019-K1729

<table>
<thead>
<tr>
<th>Pos.</th>
<th>Part no.</th>
<th>Description</th>
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<tbody>
<tr>
<td>C01</td>
<td>71839131</td>
<td>DUST COVER FE 169-5/179-5/191-6</td>
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<tr>
<td>P01</td>
<td>74402653</td>
<td>PISTON FL2 S 091-1645-HC (SR=100)</td>
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<td>P02</td>
<td>71853091</td>
<td>K SLIDER FL 091 (2 X 1/2) A22</td>
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<td>P03</td>
<td>71851091</td>
<td>K OUTER STOPRING FL 091 A22</td>
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<td>P04</td>
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<td>BOTTOM PLATE PISTON FL 091</td>
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<td>P05</td>
<td>01745012</td>
<td>K CIRCLIP 82 DIN 472 (87.5x2.5)</td>
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<td>P06</td>
<td>71870215</td>
<td>K O-RING PISTON BOTTOM 091</td>
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<td>PISTON EYE SPH. FL 091 MK2 L=075</td>
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<td>K O-RING 72.62 X 3.53 MM</td>
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<td>71875450</td>
<td>K SPHERICAL BEARING D.50 MAINT. FREE</td>
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<td>01770560</td>
<td>K CIRCLIP 75 DIN 472 (79.5x3.0)</td>
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<td>P11</td>
<td>71875012</td>
<td>PIN ROUND HEAD GROOVED 8x15 mm</td>
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</table>

#### Seal kit complete

- Consists of all packsets with packset grease and O-rings

### Notes

- The inner stopring is pre-mounted in the grooves on spare bases and stages. Therefore, when ordering new tubes, it is not required to order inner stoprings separately.

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For repair instructions see: CYL-0040. Serial no. is located on type plate and near type plate support.

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