Clamshell Bucket

**CSB300HD with rotator RT-1002-STD**

- **Opening**: 94 1/2 in. (2400 mm)
- **Volume**: 3.00 cubic yards
- **Rotator lifting capacity**: 100000 lb (45360 kg)
- **Torque at relief pressure**: 22360 in.lb (2527 Nm) @ 1450 psi (100 bars)
- **Weight**: 6712 lb (3045 kg)

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**Rotator**

- **Maximum pressure**: 5000 psi (345 bars)
- **Recommended flow**: 8 gpm (30 l/min.)

Rotator recommended flow will produce a speed of 20 rpm.

<table>
<thead>
<tr>
<th>Cylinder</th>
<th>Diameter</th>
<th>Recommended pressure</th>
<th>Pressure range</th>
<th>Flow range</th>
<th>Lock valves</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard</td>
<td>4&quot; (102 mm)</td>
<td>3500 psi (241 bars)</td>
<td>2500 - 4500 psi (172 - 310 bars)</td>
<td>37 - 50 gpm (136 - 189 l/min.)</td>
<td>no</td>
</tr>
</tbody>
</table>

Grapple cylinder maximum flow will theoretically produce a complete grapple open/close cycle in 6 seconds.

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<table>
<thead>
<tr>
<th>Reference</th>
<th>Dimension</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>82 1/4 in. (2089 mm)</td>
</tr>
<tr>
<td>B</td>
<td>94 1/2 in. (2400 mm)</td>
</tr>
<tr>
<td>C</td>
<td>27 3/4 in. (705 mm)</td>
</tr>
<tr>
<td>D</td>
<td>104 1/4 in. (2648 mm)</td>
</tr>
<tr>
<td>E</td>
<td>75 3/8 in. (1915 mm)</td>
</tr>
</tbody>
</table>

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