Clamshell Bucket
CSB450HD with rotator RT-1002-STD

Opening 112 7/8 in. (2867 mm)
Volume 4.50 cubic yards 3.44 cubic meters
Rotator lifting capacity 100000 lb (45360 kg)
Torque at relief pressure 22360 in.lb (2527 Nm) @ 1450 psi (100 bars)
Weight 8751 lb (3969 kg)

<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 1/2&quot; (114 mm)</td>
<td>3500 psi (241 bars)</td>
<td>2500 - 4500 psi (172 - 310 bars)</td>
<td>51 - 68 gpm (193 - 257 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.

Reference Dimension
A 95 3/4 in. (2432 mm)
B 112 7/8 in. (2867 mm)
C 34 in. (864 mm)
D 115 3/4 in. (2940 mm)
E 81 in. (2057 mm)

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