HD+ 90i VV
Tandem roller with two vibrating roller drums
Tandem rollers Series HD+ / Series H242

HIGHLIGHTS HD+

> 3-point articulation for even weight distribution and excellent on-centre feel
> Operating concept Easy Drive
> Electronic machine management Hammtronic
> Excellent view of the machine and the construction site
> Track offset for comfortable start up, moving away and compacting at curb edges

<table>
<thead>
<tr>
<th>Machine dimensions</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Total length (L)</td>
<td>mm</td>
</tr>
<tr>
<td>Width (B)</td>
<td>mm</td>
</tr>
<tr>
<td>Total height (H)</td>
<td>mm</td>
</tr>
<tr>
<td>Drum width (X)</td>
<td>mm</td>
</tr>
<tr>
<td>Height loading, min. (Hl)</td>
<td>mm</td>
</tr>
<tr>
<td></td>
<td>4900</td>
</tr>
<tr>
<td></td>
<td>1800</td>
</tr>
<tr>
<td></td>
<td>2980</td>
</tr>
<tr>
<td></td>
<td>1680/1680</td>
</tr>
<tr>
<td></td>
<td>2150</td>
</tr>
</tbody>
</table>
### TECHNICAL DATA

<table>
<thead>
<tr>
<th><strong>Weights</strong></th>
<th>Unit</th>
<th>HD+ 90i VV</th>
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<tbody>
<tr>
<td>Operating weight with cab</td>
<td>kg</td>
<td>9320</td>
</tr>
<tr>
<td>Operating weight with ROPS</td>
<td>kg</td>
<td>9150</td>
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<tr>
<td>Operating weight, max.</td>
<td>kg</td>
<td>11860</td>
</tr>
<tr>
<td>Static linear load, front/rear</td>
<td>kg/cm</td>
<td>28,1/27,4</td>
</tr>
<tr>
<td>French classification, data/class</td>
<td></td>
<td>22,1/VT1</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Machine dimensions</strong></th>
<th></th>
<th></th>
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</thead>
<tbody>
<tr>
<td>Total length</td>
<td>mm</td>
<td>4900</td>
</tr>
<tr>
<td>Total height with cab</td>
<td>mm</td>
<td>2980</td>
</tr>
<tr>
<td>Height loading, min.</td>
<td>mm</td>
<td>2150</td>
</tr>
<tr>
<td>Wheel base</td>
<td>mm</td>
<td>3700</td>
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<tr>
<td>Total width with cab</td>
<td>mm</td>
<td>1800</td>
</tr>
<tr>
<td>Max. working width</td>
<td>mm</td>
<td>1850</td>
</tr>
<tr>
<td>Kerb clearance, left/right</td>
<td>mm</td>
<td>800/800</td>
</tr>
<tr>
<td>Turning radius, inside</td>
<td>mm</td>
<td>6050</td>
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</table>

<table>
<thead>
<tr>
<th><strong>Drum dimensions</strong></th>
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</thead>
<tbody>
<tr>
<td>Drum width, front/rear</td>
<td>mm</td>
<td>1680/1680</td>
</tr>
<tr>
<td>Drum diameter, front/rear</td>
<td>mm</td>
<td>1200/1200</td>
</tr>
<tr>
<td>Drum thickness, front/rear</td>
<td>mm</td>
<td>17/17</td>
</tr>
<tr>
<td>Drum type, front</td>
<td></td>
<td>Smooth/non-split</td>
</tr>
<tr>
<td>Drum type, rear</td>
<td></td>
<td>Smooth/non-split</td>
</tr>
<tr>
<td>Track offset, left/right</td>
<td>mm</td>
<td>170</td>
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<table>
<thead>
<tr>
<th><strong>Diesel engine</strong></th>
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<tbody>
<tr>
<td>Manufacturer</td>
<td>DEUTZ</td>
<td></td>
</tr>
<tr>
<td>Version</td>
<td>TCD 3.6 L4</td>
<td></td>
</tr>
<tr>
<td>Number of cylinders</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Power rat. ISO 14396, kW/PS/rpm</td>
<td>85,0/115,6/2300</td>
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</tr>
<tr>
<td>Power rating SAE J1349, kW/HP/rpm</td>
<td>85,0/113,9/2300</td>
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</tr>
<tr>
<td>Emission standard</td>
<td>EU Stage IV / EPA Tier 4</td>
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</tr>
<tr>
<td>Exhaust gas after-treatment</td>
<td>DOC-SCR</td>
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<table>
<thead>
<tr>
<th><strong>Drive</strong></th>
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</thead>
<tbody>
<tr>
<td>Speed, working gear</td>
<td>km/h</td>
<td>0-6.5</td>
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<tr>
<td>Speed, transportation gear</td>
<td>km/h</td>
<td>0-12.0</td>
</tr>
<tr>
<td>Regulation, infinitely variable</td>
<td></td>
<td>Hammtronic</td>
</tr>
<tr>
<td>Climbing ability, vibration on/off</td>
<td>%</td>
<td>35/40</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Vibration</strong></th>
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</thead>
<tbody>
<tr>
<td>Vibration frequency, front, I/II</td>
<td>Hz</td>
<td>42/50</td>
</tr>
<tr>
<td>Vibration frequency, rear, I/II</td>
<td>Hz</td>
<td>42/50</td>
</tr>
<tr>
<td>Amplitude, front, I/II</td>
<td>mm</td>
<td>0.62/0.34</td>
</tr>
<tr>
<td>Amplitude, rear, I/II</td>
<td>mm</td>
<td>0.62/0.34</td>
</tr>
<tr>
<td>Centrifugal force, front, I/II</td>
<td>kN</td>
<td>75/60</td>
</tr>
<tr>
<td>Centrifugal force, rear, I/II</td>
<td>kN</td>
<td>75/60</td>
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<table>
<thead>
<tr>
<th><strong>Steering</strong></th>
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</tr>
</thead>
<tbody>
<tr>
<td>Oscillation angle +/-</td>
<td>°</td>
<td>10</td>
</tr>
<tr>
<td>Steering, type</td>
<td>Articulated steering</td>
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</table>

<table>
<thead>
<tr>
<th><strong>Sprinkler system</strong></th>
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</thead>
<tbody>
<tr>
<td>Water sprinkler, type</td>
<td>Pressure</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Tank capacity/Fill capacity</strong></th>
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<th></th>
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</thead>
<tbody>
<tr>
<td>Fuel tank, capacity</td>
<td>L</td>
<td>173</td>
</tr>
<tr>
<td>AdBlue/DEF tank, content</td>
<td>L</td>
<td>20</td>
</tr>
<tr>
<td>Water tank, capacity</td>
<td>L</td>
<td>760</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Sound level</strong></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Acoustic power LWA, sticker</td>
<td>dB</td>
<td>107</td>
</tr>
<tr>
<td>Acoustic power LWA, measured</td>
<td>dB</td>
<td>105</td>
</tr>
</tbody>
</table>