HD+ 90i PH VO
Tandem roller with vibrating roller drum and oscillation drum
Tandem rollers Series HD+ / Series H276

HIGHLIGHTS HD+

> Operating concept Easy Drive
> Electronic machine management Hammtronic
> Excellent view of the machine and the construction site
> Hybrid hydraulic drive
> Compaction with oscillation

Machine dimensions

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Unit</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total length (L)</td>
<td>mm</td>
<td>4800</td>
</tr>
<tr>
<td>Width (B)</td>
<td>mm</td>
<td>1800</td>
</tr>
<tr>
<td>Total height (H)</td>
<td>mm</td>
<td>2980</td>
</tr>
<tr>
<td>Drum width (X)</td>
<td>mm</td>
<td>1680/1680</td>
</tr>
<tr>
<td>Height loading, min. (Hl)</td>
<td>mm</td>
<td>2150</td>
</tr>
</tbody>
</table>

EU Stage V / EPA Tier 4
### TECHNICAL DATA

<table>
<thead>
<tr>
<th></th>
<th>Unit</th>
<th>HD+ 90i PH VO</th>
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</thead>
</table>

#### Weights

- Operating weight with cab: kg 9220
- Operating weight with ROPS: kg 9050
- Operating weight, max.: kg 11760
- Static linear load, front/rear: kg/cm 27.8/27.1
- French classification, data/class: 21.9/VT1

#### Machine dimensions

- Total length: mm 4800
- Total height with cab: mm 2980
- Height loading, min.: mm 2150
- Wheel base: mm 3600
- Total width with cab: mm 1800
- Max. working width: mm 1850
- Kerb clearance, left/right: mm 800/800
- Turning radius, inside: mm 5900

#### Drum dimensions

- Drum width, front/rear: mm 1680/1680
- Drum diameter, front/rear: mm 1200/1200
- Drum thickness, front/rear: mm 17/20
- Drum type, front: Smooth/non-split
- Drum type, rear: Smooth/non-split
- Track offset, left/right: mm 170

#### Diesel engine

- Manufacturer: DEUTZ
- Version: TCD 2.9 L4
- Power rat. ISO 14396, kW/PS/rpm: 55.4/75.3/2300
- Power rating SAE J1349, kW/HP/rpm: 55.4/74.2/2300
- Emission standard: EU Stage V / EPA Tier 4
- Exhaust gas after-treatment: DOC-DPF

#### Drive

- Speed, working gear: km/h 0-6.0
- Speed, transportation gear: km/h 0-12.0
- Regulation, infinitely variable: Hammtronic
- Climbing ability, vibration on/off

#### Vibration

- Vibration frequency, front, I/II: Hz 42/50
- Amplitude, front, I/II: mm 0.62/0.34
- Centrifugal force, front, I/II: kN 75/60

#### Oscillation

- Oscillation force, rear: kN 128
- Oscillation frequency, rear: Hz 39
- Tangential amplitude, rear: mm 1.25

#### Steering

- Oscillation angle +/-: ° 10
- Steering, type: Articulated steering

#### Sprinkler system

- Water sprinkler, type: Pressure

#### Tank capacity/Fill capacity

- Fuel tank, capacity: L 173
- Water tank, capacity: L 760

#### Sound level

- Acoustic power LWA, sticker: 106 dB
- Acoustic power LWA, measured: 103 dB