

Technical data

# HD+ 110i VO



## Tandem rollers Series HD+

Tandem roller with vibration and oscillation drum

H273

### HIGHLIGHTS

- > Operating concept Easy Drive
- > Excellent view of machine and construction site
- > Compaction with oscillation
- > Track offset for comfortable starting and driving away and compacting at curbsides
- > Electronic machine management Hammtronic

## TECHNICAL DATA HD+ 110i VO (H273)

## Weights

|                                           |                 |                            |
|-------------------------------------------|-----------------|----------------------------|
| Operating weight with cab                 | kg<br>lbs       | 10215<br>22,524            |
| Operating weight with ROPS                | kg<br>lbs       | 10045<br>22,149            |
| Empty weight without cab,<br>without ROPS | kg<br>lbs       | 9215<br>20,319             |
| Max. operating weight                     | kg<br>lbs       | 12650<br>27,893            |
| Axle load, front/rear                     | kg<br>lbs       | 5305/4910<br>11,698/10,827 |
| Static linear load, front/rear            | kg/cm<br>lbs/in | 31,6/40,1<br>177.0/224.5   |
| French classification,<br>value/class     |                 | 28,8/VT2                   |

## Machine dimensions

|                            |          |                      |
|----------------------------|----------|----------------------|
| Total length               | mm<br>in | 4900<br>192.9        |
| Total height with cab      | mm<br>in | 2980<br>117.3        |
| Total height with ROPS     | mm<br>in | 3030<br>119.3        |
| Height loading, min.       | mm<br>in | 2150<br>84.6         |
| Center distance            | mm<br>in | 3700<br>145.7        |
| Total width with cab       | mm<br>in | 1800<br>70.9         |
| Maximum working width      | mm<br>in | 1850<br>72.8         |
| Ground clearance, center   | mm<br>in | 340<br>13.4          |
| Curb clearance, left/right | mm<br>in | 800/800<br>31.5/31.5 |
| Turning radius, inside     | mm<br>in | 6050<br>238.2        |

## Drum dimensions

|                            |          |                        |
|----------------------------|----------|------------------------|
| Drum width, front/rear     | mm<br>in | 1680/1680<br>66.1/66.1 |
| Drum diameter, front/rear  | mm<br>in | 1200/1200<br>47.2/47.2 |
| Drum thickness, front/rear | mm<br>in | 22/20<br>0.9/0.8       |
| Drum type, front           |          | Smooth/non-split       |
| Drum type, rear            |          | Smooth/non-split       |
| Track offset, left/right   | mm<br>in | 170<br>6.7             |

## Diesel engine

|                            |  |                         |
|----------------------------|--|-------------------------|
| Manufacturer               |  | DEUTZ                   |
| Model                      |  | TCD 3.6 L4              |
| Cylinders, quantity        |  | 4                       |
| Power ISO 14396, kW/PS/rpm |  | 85,0/115,6/2300         |
| Power SAE J1349, kW/HP/rpm |  | 85,0/113,9/2300         |
| Exhaust emission standard  |  | EU Stage V / EPA Tier 4 |

## Diesel engine

|                             |  |             |
|-----------------------------|--|-------------|
| Exhaust gas after-treatment |  | DOC-DPF-SCR |
|-----------------------------|--|-------------|

## Travel drive

|                                         |             |                       |
|-----------------------------------------|-------------|-----------------------|
| Speed, infinitely variable              | km/h<br>mph | 0 - 10,0<br>0.0 - 6.2 |
| Regulation, infinitely variable         |             | HAMMTRONIC            |
| Gradeability, with/without<br>vibration | %           | 36/41                 |

## Vibration

|                                  |           |                         |
|----------------------------------|-----------|-------------------------|
| Vibration frequency, front, I/II | Hz<br>vpm | 42/50<br>2,520/3,000    |
| Amplitude, front, I/II           | mm<br>in  | 0,86/0,49<br>.034/.019  |
| Centrifugal force, front, I/II   | kN<br>lbs | 120/99<br>27,000/22,275 |

## Oscillation

|                             |           |               |
|-----------------------------|-----------|---------------|
| Oscillation force, rear     | kN<br>lbs | 128<br>28,800 |
| Oscillation frequency, rear | Hz<br>vpm | 39<br>2,340   |
| Tangential amplitude, rear  | mm<br>in  | 1,25<br>.049  |

## Steering

|                 |   |                      |
|-----------------|---|----------------------|
| Swing angle +/- | ° | 10                   |
| Steering, type  |   | Articulated steering |

## Water-sprinkling system

|                        |  |          |
|------------------------|--|----------|
| Water sprinkling, type |  | Pressure |
|------------------------|--|----------|

## Tank capacity/filling capacity

|                                             |          |              |
|---------------------------------------------|----------|--------------|
| Fuel tank, capacity                         | L<br>Gal | 173<br>45.7  |
| AdBlue/SCR reducing agent<br>tank, capacity | L<br>Gal | 20<br>5.3    |
| Water tank, capacity                        | L<br>Gal | 760<br>200.8 |

## Sound level

|                                                        |       |     |
|--------------------------------------------------------|-------|-----|
| Sound power level L(WA),<br>guaranteed                 | db(A) | 107 |
| Sound power level L(WA),<br>representative measurement | db(A) | 101 |

## EQUIPMENT

Heating and air conditioning | Tachograph | HCQ navigator | Dashboard cover | Automatic engine-off function | HAMM Temperature Meter (HTM) | Track offset display | Back-up alarm | Rotating beacon | Coming home lighting | Locking device | Edge pressing and cutting equipment | Compaction meter HCQ hydraulic | Water filter system (3-fold) | Water tank front and rear, can be filled from both sides | Central water outlet

## OPTIONAL EQUIPMENT