

Technical data

# HD+ 90i PH VT



## Tandem rollers Series HD+

Tandem roller with vibration drum and set of wheels

H276

### HIGHLIGHTS

- > Hydraulic hybrid drive
- > Operating concept Easy Drive
- > 3-point articulation for even weight distribution and excellent directional stability
- > Electronic machine management Hammtronic
- > Excellent view of machine and construction site

## TECHNICAL DATA HD+ 90i PH VT (H276)

## Weights

|                                    |                 |                   |
|------------------------------------|-----------------|-------------------|
| Operating weight with cab          | kg<br>lbs       | 8720<br>19,228    |
| Operating weight with ROPS         | kg<br>lbs       | 8550<br>18,853    |
| Max. operating weight              | kg<br>lbs       | 11280<br>24,872   |
| Static linear load, front          | kg/cm<br>lbs/in | 27,8<br>155.7     |
| French classification, value/class |                 | 21,9.10,1/VX1.PLO |

## Machine dimensions

|                            |          |                      |
|----------------------------|----------|----------------------|
| Total length               | mm<br>in | 4800<br>189.0        |
| Total height with cab      | mm<br>in | 3010<br>118.5        |
| Height loading, min.       | mm<br>in | 2226<br>87.6         |
| Center distance            | mm<br>in | 3600<br>141.7        |
| Total width with cab       | mm<br>in | 1800<br>70.9         |
| Maximum working width      | mm<br>in | 1820<br>71.7         |
| Curb clearance, left/right | mm<br>in | 800/800<br>31.5/31.5 |
| Turning radius, inside     | mm<br>in | 5900<br>232.3        |

## Drum dimensions

|                          |          |                  |
|--------------------------|----------|------------------|
| Drum width, front        | mm<br>in | 1680<br>66.1     |
| Drum diameter, front     | mm<br>in | 1200<br>47.2     |
| Drum thickness, front    | mm<br>in | 17<br>0.7        |
| Drum type, front         |          | Smooth/non-split |
| Track offset, left/right | mm<br>in | 170<br>6.7       |

## Tire dimensions

|                        |          |              |
|------------------------|----------|--------------|
| Tire size, rear        |          | 11.00-20     |
| Width over tires, rear | mm<br>in | 1620<br>63.8 |
| Number of tires, rear  |          | 4            |

## Diesel engine

|                                 |  |                |
|---------------------------------|--|----------------|
| Manufacturer                    |  | DEUTZ          |
| Model                           |  | TCD 2.9 L4     |
| Cylinders, quantity             |  | 4              |
| Power ISO 14396, kW/PS/rpm      |  | 55,4/75,3/2300 |
| Power SAE J1349, kW/HP/rpm      |  | 55,4/74,2/2300 |
| Exhaust emissions category, EU  |  | EU Stage 5     |
| Exhaust emissions category, USA |  | EPA Tier 4     |

## Diesel engine

|                                   |  |             |
|-----------------------------------|--|-------------|
| Exhaust emissions category, Japan |  |             |
| Exhaust emissions category, Korea |  | KOR Stage 5 |
| Exhaust gas after-treatment       |  | DOC-DPF     |

## Travel drive

|                                      |             |                   |
|--------------------------------------|-------------|-------------------|
| Speed, working gear                  | km/h<br>mph | 0-6,0<br>0.0-3.7  |
| Speed, transport gear                | km/h<br>mph | 0-12,0<br>0.0-7.5 |
| Regulation, infinitely variable      |             | HAMMTRONIC        |
| Gradeability, with/without vibration | %           | 50/55             |

## Vibration

|                                        |           |                        |
|----------------------------------------|-----------|------------------------|
| Vibration frequency, front, level I/II | Hz<br>vpm | 42/50<br>2,520/3,000   |
| Amplitude, front, level I/II           | mm<br>in  | 0,62/0,34<br>.024/.013 |
| Centrifugal force, front, level I/II   | kN<br>lbs | 75/60<br>16,875/13,500 |

## Steering

|                    |   |                      |
|--------------------|---|----------------------|
| Pendulum 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  |
| Water tank, capacity    | L<br>Gal | 760<br>200.8 |
| Additive tank, capacity | L<br>Gal | 22<br>5.8    |

## Sound level

|                                                     |       |     |
|-----------------------------------------------------|-------|-----|
| Sound power level L(WA), guaranteed                 | db(A) | 106 |
| Sound power level L(WA), representative measurement | db(A) | 102 |

## EQUIPMENT

12 V power socket | Two large exterior rear-view mirrors | Scraper foldable | Dashboard with displays, indicator lights and function keys | Easy Drive operating concept | Electric-powered cooling fan | Pressure water sprinkling system | ECO mode | Driver's platform with access from both sides | Speed-controlled water sprinkling | Automatic traction control and anti-slip control | Vibration-isolated driver's platform | Track offset, hydraulic | Water-sprinkling system with spray bars, front and rear | Water filter system (3-fold) | Water tank front and rear, can be filled from both sides | Central water outlet | Additional hydraulic performance support up to 20 kW