

Technical data

# HC 100i



**Compactors Series HC**  
Compactor with smooth drum

**H252**

## HIGHLIGHTS

- > High compaction performance
- > Spacious driver's platform with Easy Drive operating concept
- > Hammtronic for high comfort, safety and reduced emissions
- > Customised configuration possibilities and a wide range of options
- > Digital ready

## TECHNICAL DATA HC 100i (H252)

## Weights

|                                                   |                 |                            |
|---------------------------------------------------|-----------------|----------------------------|
| Operating weight with cab                         | kg<br>lbs       | 11995<br>26,449            |
| Operating weight with ROPS                        | kg<br>lbs       | 11645<br>25,677            |
| Empty weight without cab,<br>without ROPS         | kg<br>lbs       | 10920<br>24,079            |
| Max. operating weight                             | kg<br>lbs       | 15290<br>33,714            |
| Axle load, front/rear                             | kg<br>lbs       | 6580/5415<br>14,509/11,940 |
| Axle load at max. operating<br>weight, front/rear | kg<br>lbs       | 9620/5670<br>21,212/12,502 |
| Static linear load, front                         | kg/cm<br>lbs/in | 30,42<br>170.3             |
| French classification,<br>value/class             |                 | 41,2/VM3                   |
| Wheel load per tire, rear                         | kg<br>lbs       | 2707,5<br>5,970            |

## Machine dimensions

|                                              |          |                      |
|----------------------------------------------|----------|----------------------|
| Total length                                 | mm<br>in | 6117<br>240.8        |
| Total height with cab                        | mm<br>in | 3054<br>120.2        |
| Total height with ROPS                       | mm<br>in | 3054<br>120.2        |
| Total height with plastic<br>protective roof | mm<br>in | 3054<br>120.2        |
| Height loading, min.                         | mm<br>in | 3054<br>120.2        |
| Center distance                              | mm<br>in | 3266<br>128.6        |
| Total width with cab                         | mm<br>in | 2474<br>97.4         |
| Maximum working width                        | mm<br>in | 2140<br>84.3         |
| Ground clearance, center                     | mm<br>in | 461<br>18.1          |
| Curb clearance, left/right                   | mm<br>in | 477/477<br>18.8/18.8 |
| Turning radius, inside                       | mm<br>in | 4131<br>162.6        |
| Slope angle, front/rear                      | °        | 34,2/23,7            |

## Drum dimensions

|                       |          |              |
|-----------------------|----------|--------------|
| Drum width, front     | mm<br>in | 2140<br>84.3 |
| Drum diameter, front  | mm<br>in | 1504<br>59.2 |
| Drum thickness, front | mm<br>in | 25<br>1.0    |
| Drum type, front      |          | Smooth       |

## Tire dimensions

|                        |          |                  |
|------------------------|----------|------------------|
| Tire size, rear        |          | AW 23.1-26 12 PR |
| Width over tires, rear | mm<br>in | 2122<br>83.5     |

## Tire dimensions

|                       |  |   |
|-----------------------|--|---|
| Number of tires, rear |  | 2 |
|-----------------------|--|---|

## Diesel engine

|                                      |  |                 |
|--------------------------------------|--|-----------------|
| Manufacturer                         |  | JOHN DEERE      |
| Model                                |  | JDPS 4045EWS    |
| Cylinders, quantity                  |  | 4               |
| Power ISO 14396, kW/PS/rpm           |  | 85,0/115,7/2000 |
| Exhaust emissions category,<br>EU    |  | EU Stage 5      |
| Exhaust emissions category,<br>USA   |  | EPA Tier 4      |
| Exhaust emissions category,<br>Korea |  | KOR Stage 5     |
| Exhaust gas after-treatment          |  | DOC-DPF-SCR     |

## Travel drive

|                                         |             |                       |
|-----------------------------------------|-------------|-----------------------|
| Speed, infinitely variable              | km/h<br>mph | 0 - 11,8<br>0.0 - 7.3 |
| Regulation, infinitely variable         |             | HAMMTRONIC            |
| Gradeability, with/without<br>vibration | %           | 53/59                 |

## Vibration

|                                           |           |                          |
|-------------------------------------------|-----------|--------------------------|
| Vibration frequency, front,<br>level I/II | Hz<br>vpm | 30/33<br>1,800/1,980     |
| Amplitude, front, level I/II              | mm<br>in  | 1,95/0,85<br>.077/.033   |
| Centrifugal force, front, level<br>I/II   | kN<br>lbs | 250/130<br>56,250/29,250 |

## Steering

|                    |   |                      |
|--------------------|---|----------------------|
| Pendulum angle +/- | ° | max. 12              |
| Steering, type     |   | Articulated steering |

## Tank capacity/filling capacity

|                                             |          |             |
|---------------------------------------------|----------|-------------|
| Fuel tank, capacity                         | L<br>Gal | 280<br>74.0 |
| AdBlue/SCR reducing agent<br>tank, capacity | L<br>Gal | 32<br>8.5   |

## Sound level

|                                                        |       |     |
|--------------------------------------------------------|-------|-----|
| Sound power level L(WA),<br>guaranteed                 | db(A) | 106 |
| Sound power level L(WA),<br>representative measurement | db(A) | 104 |

## EQUIPMENT

12 V sockets (double) | Two large exterior rear-view mirrors | 3-point articulation | Dashboard with displays, indicator lights and function keys | Easy Drive operating concept | ECO mode | Speed preselect | Hose protection on the front vehicle | Vibration-isolated driver's platform | Automatic vibration system

## OPTIONAL EQUIPMENT