

Technical data

# HC 120i C



**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 120i C (H252)**

**Weights**

|   |                 |                            |
|---|-----------------|----------------------------|
| Operating weight with cab                       | kg<br>lbs       | 12280<br>27,077            |
| Operating weight with ROPS                      | kg<br>lbs       | 12030<br>26,526            |
| Empty weight without cab, without ROPS          | kg<br>lbs       | 11305<br>24,928            |
| Max. operating weight                           | kg<br>lbs       | 15340<br>33,825            |
| Axle load, front/rear                           | kg<br>lbs       | 6715/5565<br>14,807/12,271 |
| Axle load for max. operating weight, front/rear | kg<br>lbs       | 9450/5890<br>20,837/12,987 |
| Static linear load, front                       | kg/cm<br>lbs/in | 31,38<br>175.7             |
| French classification, value/class              |                 | 42,4/VM3                   |
| Wheel load per tire, rear                       | kg<br>lbs       | 2782,5<br>6,135            |

**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 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         |
| Power SAE J1349, kW/HP/rpm  |  | 85,0/114,0/2000         |
| Exhaust emission standard   |  | EU Stage V / EPA Tier 4 |
| Exhaust gas after-treatment |  | DOC-DPF-SCR             |

**Travel drive**

|                                      |             |                       |
|--------------------------------------|-------------|-----------------------|
| Speed, infinitely variable           | km/h<br>mph | 0 - 12,0<br>0.0 - 7.5 |
| Regulation, infinitely variable      |             | HAMMTRONIC            |
| Gradeability, with/without vibration | %           | 57/63                 |

**Vibration**

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

**Steering**

|                 |   |                      |
|-----------------|---|----------------------|
| Swing 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 tank, capacity | L<br>Gal | 32<br>8.5   |

**Sound level**

|   |       |     |
|---|-------|-----|
| Sound power level L(WA), guaranteed                 | db(A) | 106 |
| Sound power level L(WA), 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**