

Technical data

# 3520



**Soil Compactors Series 3000**  
Soil compactor with smooth drum

**H176**

## HIGHLIGHTS

- > Excellent view of the machine and the construction site
- > Ergonomic driver platform with rotatable seat operating unit, adjustable driver's seat and tilting steering column
- > 3-point articulation for outstanding traction and off-road mobility
- > High compaction performance thanks to high line load and big amplitudes
- > Simple, intuitive and language-neutral operation

## TECHNICAL DATA 3520 (H176)

## Weights

|                               |       |            |
|-------------------------------|-------|------------|
| Operating weight with cab     | kg    | 19800      |
| Operating weight with ROPS    | kg    | 19580      |
| Operating weight, max.        | kg    | 23390      |
| Axle load, front/rear         | kg    | 12490/7310 |
| Static linear load, front     | kg/cm | 56,3       |
| French classific., data/class |       | 79,62/VM5  |

## Machine dimensions

|                                    |    |       |
|------------------------------------|----|-------|
| Total length                       | mm | 6210  |
| Total height with cab              | mm | 2980  |
| Height loading, min.               | mm | 2325  |
| Wheel base                         | mm | 3165  |
| Total width with cab               | mm | 2390  |
| Ground clearance, centre           | mm | 425   |
| Turning radius, inside             | mm | 4180  |
| Angle of driving slope, front/rear | °  | 34/27 |

## Drum dimensions

|                       |    |        |
|-----------------------|----|--------|
| Drum width, front     | mm | 2220   |
| Drum diameter, front  | mm | 1600   |
| Drum thickness, front | mm | 45     |
| Drum type, front      |    | smooth |

## Wheel dimensions

|                     |  |                  |
|---------------------|--|------------------|
| Size of tyres, rear |  | AW 23.1-26 12 PR |
|---------------------|--|------------------|

## Diesel engine

|                                   |  |                            |
|-----------------------------------|--|----------------------------|
| Manufacturer                      |  | DEUTZ                      |
| Version                           |  | TCD 2012 L06 2V            |
| Number of cylinders               |  | 6                          |
| Power rat. ISO 14396, kW/PS/rpm   |  | 155,0/210,8/2300           |
| Power rating SAE J1349, kW/HP/rpm |  | 155,0/207,7/2300           |
| Emission standard                 |  | EU Stage IIIA / EPA Tier 3 |

## Drive

|                                    |      |                   |
|------------------------------------|------|-------------------|
| Speed, working gear                | km/h | 0-4,2/0-5,6/0-6,7 |
| Speed, transportation gear         | km/h | 0-11,4            |
| Climbing ability, vibration on/off | %    | 50/55             |

## Vibration

|                                  |    |           |
|----------------------------------|----|-----------|
| Vibration frequency, front, I/II | Hz | 27/30     |
| Amplitude, front, I/II           | mm | 2,00/1,19 |
| Centrifugal force, front, I/II   | kN | 331/243   |

## Steering

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

## Tank capacity/Fill capacity

|                     |   |     |
|---------------------|---|-----|
| Fuel tank, capacity | L | 290 |
|---------------------|---|-----|

## Sound level

|                                     |       |     |
|-------------------------------------|-------|-----|
| Sound power level L(WA), guaranteed | db(A) | 105 |
| Acoustic power L(WA), measured      | db(A) | 103 |

## EQUIPMENT

2 armrests | 3-point articulation | Adjustable scraper | Dashboard with displays, indicator lights and switches | Automatic traction control and anti-slip control | Battery isolation switch | Control console with steering column adjustment | Operator's platform with entry from both sides | Speed preselect | Hydrostatic steering | Vibration-isolated operator's platform | Stepless hydrostatic all-wheel drive | Handrails on the operator's platform | Dozer blade

## OPTIONAL EQUIPMENT

ROPS, rigid | Auxiliary heater | Radio | Protective roof | Padfoot shells | Version with additional fuel prefilter | HAMM Compaction Meter (HCM) | Speedometer | Frequency display, vibration | Back-up alarm (reversing) | Automatic vibration system | Working lights | Rotating beacon | Protective grille for lighting package | Hose protection