

Technical data

3414 HT VIO



Soil Compactors Series 3000

Soil compactor with VIO-drum

H180

HIGHLIGHTS

- > Simple, intuitive and language-neutral operation
- > Electronic machine management Hammtronic
- > 3-point articulation for outstanding traction and off-road mobility
- > Compaction system VIO – vibration or oscillation
- > Ergonomic driver platform with rotatable seat operating unit, adjustable driver's seat and tilting steering column

TECHNICAL DATA 3414 HT VIO (H180)

Weights

| | | |
|-----------------------------------|-------|-----------|
| Operating weight with cab | kg | 14010 |
| Operating weight with ROPS | kg | 13790 |
| Basic weight no cab, without ROPS | kg | 13340 |
| Operating weight, max. | kg | 16830 |
| Axle load, front/rear | kg | 7965/6045 |
| Static linear load, front | kg/cm | 37,2 |
| French classific., data/class | | 51,14/VM3 |
| Load per tyre, rear | kg | 3022,5 |

Machine dimensions

| | | |
|------------------------------------|----|---------|
| Total length | mm | 5705 |
| Total height with cab | mm | 2990 |
| Total height with ROPS | mm | 2945 |
| Height loading, min. | mm | 2325 |
| Wheel base | mm | 3015 |
| Total width with cab | mm | 2250 |
| Max. working width | mm | 2140 |
| Ground clearance, centre | mm | 375 |
| Kerb clearance, left/right | mm | 465/465 |
| Turning radius, inside | mm | 3690 |
| Angle of driving slope, front/rear | ° | 31/34 |

Drum dimensions

| | | |
|-----------------------|----|--------|
| Drum width, front | mm | 2140 |
| Drum diameter, front | mm | 1504 |
| Drum thickness, front | mm | 30 |
| Drum type, front | | smooth |

Wheel dimensions

| | | |
|------------------------|----|------------------|
| Size of tyres, rear | | AW 23.1-26 12 PR |
| Width over tyres, rear | mm | 2130 |
| Number of tyres, rear | | 2 |

Diesel engine

| | | |
|-----------------------------------|--|----------------------------|
| Manufacturer | | DEUTZ |
| Version | | TCD 2012 L04 2V |
| Number of cylinders | | 4 |
| Power rat. ISO 14396, kW/PS/rpm | | 100,0/136,0/2300 |
| Power rating SAE J1349, kW/HP/rpm | | 100,0/134,0/2300 |
| Emission standard | | EU Stage IIIA / EPA Tier 3 |

Drive

| | | |
|------------------------------------|------|------------|
| Speed, infinitely variable | km/h | 0 - 14,0 |
| Regulation, infinitely variable | | Hammtronic |
| Climbing ability, vibration on/off | % | 58/62 |

Vibration

| | | |
|--------------------------|----|------|
| Vibration frequency | Hz | 33 |
| Amplitude, vibration | mm | 1,89 |
| Centrifugal force, vibr. | kN | 279 |

Oscillation

| | | |
|-------------------|----|-----|
| Oscillation force | kN | 230 |
|-------------------|----|-----|

Oscillation

| | | |
|-----------------------------------|----|------|
| Oscillation frequency | Hz | 30 |
| Tangential amplitude, oscillation | mm | 1,74 |

Steering

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

Tank capacity/Fill capacity

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

Sound level

| | | |
|-------------------------------------|-------|-----|
| Sound power level L(WA), guaranteed | db(A) | 108 |
| Acoustic power LW(A), measured | db(A) | 105 |

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

OPTIONAL EQUIPMENT

Auxiliary heater | Radio | Tachograph | HCQ Navigator | Protective roof | Padfoot shells | Version with additional fuel prefilter | HAMM Compaction Meter (HCM) | Frequency display, vibration | Back-up alarm (reversing) | Telematics interface | Working lights | Rotating beacon | Protective grille for lighting package | Hydraulic hose protection on front frame | Tool kit