

Technical data

3414 VIO



Soil Compactors Series 3000
Soil compactor with VIO-drum

H180

HIGHLIGHTS

- > 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
- > Simple, intuitive and language-neutral operation
- > Excellent view of the machine and the construction site
- > Compaction system VIO – vibration or oscillation

TECHNICAL DATA 3414 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, working gear	km/h	0-3,7/0-5,4/0-6,0
Speed, transportation gear	km/h	0-11,7
Climbing ability, vibration on/off	%	50/55

Vibration

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

Oscillation

Oscillation force	kN	230
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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
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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) | Speedometer | 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