

Technical data

HD 90K



Tandem rollers Series HD

Tandem roller with vibrating roller drum and set of wheels

H181

HIGHLIGHTS

- > Excellent view of machine and construction site
- > Track offset for comfortable starting and driving away and compacting at curbsides
- > Ergonomic driver platform with rotatable seat operating unit and adjustable driver's seat
- > 3-point articulation for even weight distribution and excellent directional stability
- > Simple, intuitive and language-neutral control

TECHNICAL DATA HD 90K (H181)

Weights

Operating weight with cab	kg lbs	8585 18,930
Operating weight with ROPS	kg lbs	8320 18,346
Max. operating weight	kg lbs	11240 24,784
Static linear load, front	kg/cm lbs/in	27,5 154.0
French classification, value/class		22,3.9,9/VX1.PLO

Machine dimensions

Total length	mm in	4600 181.1
Total height with cab	mm in	3050 120.1
Height loading, min.	mm in	2360 92.9
Center distance	mm in	3400 133.9
Total width with cab	mm in	1810 71.3
Maximum working width	mm in	1750 68.9
Curb clearance, left/right	mm in	790/790 31.1/31.1
Turning radius, inside	mm in	4500 177.2

Drum dimensions

Drum width, front	mm in	1680 66.1
Drum diameter, front	mm in	1200 47.2
Drum thickness, front	mm in	17 0.7
Drum type, front		Smooth/non-split
Track offset, left/right	mm in	100 3.9

Tire dimensions

Tire size, rear		11.00-20
Width over tires, rear	mm in	1620 63.8
Number of tires, rear		4

Diesel engine

Manufacturer		DEUTZ
Model		TCD 2012 L04 2V
Cylinders, quantity		4
Power ISO 14396, kW/PS/rpm		100,0/136,0/2300
Power SAE J1349, kW/HP/rpm		100,0/134,0/2300
Exhaust emission standard		EU Stage IIIA / EPA Tier 3

Travel drive

Speed, working gear	km/h mph	0-7,4 0.0-4.6
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Travel drive

Speed, transport gear	km/h mph	0-14,8 0.0-9.2
Gradeability, with/without vibration	%	30/40

Vibration

Vibration frequency, front, level I/II	Hz vpm	42/50 2,520/3,000
Amplitude, front, level I/II	mm in	0,66/0,37 .026/.015
Centrifugal force, front, level I/II	kN lbs	75/60 16,875/13,500

Steering

Pendulum angle +/-	°	10
Steering, type		Articulated steering

Water-sprinkling system

Water sprinkling, type		Pressure
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Tank capacity/filling capacity

Fuel tank, capacity	L Gal	185 48.9
Water tank, capacity	L Gal	700 184.9
Additive tank, capacity	L Gal	22 5.8

Sound level

Sound power level L(WA), guaranteed	db(A)	108
Sound power level L(WA), representative measurement	db(A)	107

EQUIPMENT

2 drive levers | Switchable amplitude: Big/small | Left/right handrails | Lighting package for driving on public roads | Driver's platform with access from both sides | Seat operating unit, rotatable | Seat operating unit, rotatable, with armrests and seat belt | Vibration front and rear, single and double, switchable

OPTIONAL EQUIPMENT

Air-conditioning system | Tachograph | Fire extinguisher | Protective roof | Edge pressing and cutting equipment | Frequency control | Compaction meter HCQ | Speedometer | Back-up alarm | Telematics system | Automatic vibration system | Working spotlights | Rotating beacon | Locking device | Tool kit