

Technical data

HD 090V



Tandem rollers Series HD

Tandem roller with vibration and oscillation drum

H181

HIGHLIGHTS

- > Track offset for comfortable start up, moving away and compacting at curb edges
- > Compaction with oscillation
- > Simple, intuitive and language-neutral operation
- > Ergonomic driver platform with rotatable seat operating unit and adjustable driver's seat
- > Excellent view of the machine and the construction site

TECHNICAL DATA HD O90V (H181)

Weights

Operating weight with cab	kg	9180
Operating weight with ROPS	kg	8915
Maximum operating weight	kg	11830
Static linear load, front/rear	kg/cm	27,3/27,4
French classification, value/class		22,2/VT1

Machine dimensions

Total length	mm	4600
Total height with cab	mm	3040
Height loading, min.	mm	2360
Centre distance	mm	3400
Total width with cab	mm	1810
Maximum working width	mm	1780
Kerb clearance, left/right	mm	790/790
Turning radius, inside	mm	4500

Drum dimensions

Drum width, front/rear	mm	1680/1680
Drum diameter, front/rear	mm	1200/1200
Drum thickness, front/rear	mm	17/20
Drum type, front		Smooth/non-split
Drum type, rear		Smooth/non-split
Track offset, left/right	mm	100

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	0-7,4
Speed, transport gear	km/h	0-14,8
Gradeability, with/without vibration	%	30/40

Vibration

Vibration frequency, front, I/II	Hz	42/50
Amplitude, front, I/II	mm	0,66/0,37
Centrifugal force, front, I/II	kN	75/60

Oscillation

Oscillation force, rear, I/II	kN	92/128
Oscillation frequency, rear, I/II	Hz	33/39
Tangential amplitude, rear, I/II	mm	1,25/1,25

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	185
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Tank capacity/filling capacity

Water tank, capacity	L	700
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Sound level

Sound power level L(WA), guaranteed	db(A)	107
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 | HCQ compaction meter | Speedometer | Back-up alarm | Telematics system | Automatic vibration system | Working spotlights | Rotating beacon | Locking device | Tool kit