

Technical data

HD 090V



Tandem rollers Series HD

Tandem roller with vibrating roller drum 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
Operating weight, max.	kg	11830
Static linear load, front/rear	kg/cm	27,3/27,4
French classific., data/class		22,2/VT1

Machine dimensions

Total length	mm	4600
Total height with cab	mm	3040
Height loading, min.	mm	2360
Wheel base	mm	3400
Total width with cab	mm	1810
Max. working width	mm	1780
Kerb clearance, left/right	mm	790/790
Turning radius, inside	mm	3961

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
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	0-7,4
Speed, transportation gear	km/h	0-14,8
Climbing ability, vibration on/off	%	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

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

Sprinkler system

Water sprinkler, type		Pressure
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Tank capacity/Fill capacity

Water tank, capacity		700
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Sound level

Sound power level L(WA), guaranteed	db(A)	107
Acoustic power LW(A), measured	db(A)	105

EQUIPMENT

2 drive levers | Amplitude switchable: large/small | Handrails | Lighting package as per road traffic regulations | Operator's platform with entry from both sides | Seat-operating unit, rotatable | Seat-operating unit, rotatable, with armrests and safety belt | Vibration front and rear, switchable single and doubled

OPTIONAL EQUIPMENT

Air conditioning | Tachograph | Fire-extinguisher | Protective roof | Edge pressing and cutting equipment | Frequency regulation | HCQ compaction meter | Speedometer | Back-up alarm (reversing) | Telematics interface | Automatic vibration system | Working lights | Rotating beacon | Locking device | Tool kit