

Technical data

HD 090V



Tandem rollers Series HD

Tandem roller with vibration and oscillation drum

H181

HIGHLIGHTS

- > Track offset for comfortable starting and driving away and compacting at curbsides
- > Compaction with oscillation
- > Simple, intuitive and language-neutral control
- > Ergonomic driver platform with rotatable seat operating unit and adjustable driver's seat
- > Excellent view of machine and construction site

TECHNICAL DATA HD O90V (H181)

Weights

Operating weight with cab	kg lbs	9180 20,242
Operating weight with ROPS	kg lbs	8915 19,658
Maximum operating weight	kg lbs	11830 26,085
Static linear load, front/rear	kg/cm lbs/in	27,3/27,4 152.9/153.4
French classification, value/class		22,2/VT1

Machine dimensions

Total length	mm in	4600 181.1
Total height with cab	mm in	3040 119.7
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	1780 70.1
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/rear	mm in	1680/1680 66.1/66.1
Drum diameter, front/rear	mm in	1200/1200 47.2/47.2
Drum thickness, front/rear	mm in	17/20 0.7/0.8
Drum type, front		Smooth/non-split
Drum type, rear		Smooth/non-split
Track offset, left/right	mm in	100 3.9

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

Vibration

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

Oscillation

Oscillation force, rear, I/II	kN lbs	92/128 20,700/28,800
Oscillation frequency, rear, I/II	Hz vpm	33/39 1,980/2,340
Tangential amplitude, rear, I/II	mm in	1,25/1,25 .049/.049

Steering

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

Water-sprinkling system

Water sprinkling, type		Pressure
------------------------	--	----------

Tank capacity/filling capacity

Fuel tank, capacity	L Gal	185 48.9
Water tank, capacity	L Gal	700 184.9

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 | Compaction meter HCQ | Speedometer | Back-up alarm | Telematics system | Automatic vibration system | Working spotlights | Rotating beacon | Locking device | Tool kit