

Technical data

HD 109i VV



Tandem rollers Series HD

Tandem roller with two vibrating roller drums

H306

HIGHLIGHTS

- > CEV V engine technology with best in class power and eco-friendly technology
- > 3-point articulation for even weight distribution and excellent directional stability
- > Easy serviceability
- > Intuitive and language-neutral operation
- > Excellent view of machine and construction site
- > Intelligent water sprinkler system

TECHNICAL DATA HD 109i VV (H306)

Weights

Operating weight with sunroof	kg lbs	10070 22,204
Empty weight without cab, without ROPS	kg lbs	9335 20,584
Max. operating weight	kg lbs	10530 23,219
Axle load, front/rear	kg lbs	5090/4980 11,223/10,981
Static linear load, front/rear	kg/cm lbs/in	30,3/29,6 169.7/165.8
French classification, value/class		24,6/VT1

Machine dimensions

Total length	mm in	4810 189.4
Total height	mm in	3027 119.2
Height loading, min.	mm in	2660 104.7
Center distance	mm in	3510 138.2
Total width	mm in	1928 75.9
Maximum working width	mm in	1780 70.1
Ground clearance, center	mm in	343 13.5
Curb clearance, left/right	mm in	705/705 27.8/27.8
Turning radius, inside	mm in	4151 163.4

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	17/17 0.7/0.7
Drum type, front		Smooth
Drum type, rear		Smooth
Track offset, left/right	mm in	100 3.9

Diesel engine

Manufacturer		JOHN DEERE
Model		EWX 2.9
Cylinders, quantity		3
Power ISO 14396, kW/PS/rpm		55/75/2200
Power SAE J1349, kW/HP/rpm		55/74/2200
Exhaust emission standard		CEV IV
Exhaust gas after-treatment		DOC-DPF

Travel drive

Speed, working gear	km/h mph	0-7 0.0-4.3
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Travel drive

Speed, transport gear	km/h mph	0-13,8 0.0-8.6
Gradeability, with/without vibration	%	25/35

Vibration

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

Steering

Steering angle +/-	°	38
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	156 41.2
Water tank, capacity	L Gal	700 184.9

Sound level

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

EQUIPMENT

Left/right handrails | Driver's platform with access from both sides | Seat operating unit, rotatable | 1 drive lever | Switchable amplitude: Big/small | Vibration front and rear, single and double, switchable | Battery isolation switch | Water level display | Emergency stop | Seat belt with belt retractor |

OPTIONAL EQUIPMENT

Version with track offset | Edge pressing and cutting equipment | | Speedometer | Working spotlights | Rotating beacon | Cold-start device