

Technical data

HD 109i VV



Tandem rollers Series HD

Tandem roller with two vibrating roller drums

H306

HIGHLIGHTS

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

TECHNICAL DATA HD 109i VV (H306)

Weights

Operating weight with sunroof	kg	10070
Empty weight without cab, without ROPS	kg	9335
Max. operating weight	kg	10530
Axle load, front/rear	kg	5090/4980
Static linear load, front/rear	kg/cm	30,3/29,6
French classification, value/class		24,6/VT1

Machine dimensions

Total length	mm	4810
Total height	mm	3027
Height loading, min.	mm	2660
Centre distance	mm	3510
Total width	mm	1928
Maximum working width	mm	1780
Ground clearance, centre	mm	343
Kerb clearance, left/right	mm	705/705
Turning radius, inside	mm	4151

Drum dimensions

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

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	0-7
Speed, transport gear	km/h	0-13,8
Gradeability, with/without vibration	%	25/35

Vibration

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

Steering

Steering angle +/-	°	38
--------------------	---	----

Steering

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

Water-sprinkling system

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

Tank capacity/filling capacity

Fuel tank, capacity	L	156
Water tank, capacity	L	700

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