

Technical data

HD+ 120i V-VIO



Tandem rollers Series HD+

Tandem roller with vibration and VIO drum

H304

HIGHLIGHTS

- > Operating concept Easy Drive
- > 3-point articulation for even weight distribution and excellent directional stability
- > Innovative cabin concept for optimal visibility and high comfort
- > VIO compaction system – vibration or oscillation
- > Digital ready

TECHNICAL DATA HD+ 120i V-VIO (H304)

Weights

Operating weight with cab	kg lbs	12910 28,467
Operating weight with ROPS	kg lbs	12680 27,959
Empty weight without cab, without ROPS	kg lbs	11595 25,567
Max. operating weight	kg lbs	13940 30,738
Axle load, front/rear	kg lbs	6300/6610 13,891/14,575
Static linear load, front/rear	kg/cm lbs/in	31,82/33,38 178.2/186.9
French classification, value/class		30,47/VT2; 18,88/VT0

Machine dimensions

Total length	mm in	5300 208.7
Total height with cab	mm in	2980 117.3
Total height with ROPS	mm in	3030 119.3
Height loading, min.	mm in	2140 84.3
Center distance	mm in	3900 153.5
Total width with cab	mm in	2145 84.4
Maximum working width	mm in	2150 84.6
Ground clearance, center	mm in	340 13.4
Curb clearance, left/right	mm in	900/900 35.4/35.4
Turning radius, inside	mm in	6280 247.2

Drum dimensions

Drum width, front/rear	mm in	1980/1980 78.0/78.0
Drum diameter, front/rear	mm in	1400/1400 55.1/55.1
Drum thickness, front/rear	mm in	19/19 0.7/0.7
Drum type, front		Smooth/non-split
Drum type, rear		Smooth/non-split
Track offset, left/right	mm in	170 6.7

Diesel engine

Manufacturer		DEUTZ
Model		TCD 4.1 L4
Cylinders, quantity		4
Power ISO 14396, kW/PS/rpm		115,0/156,4/2300
Power SAE J1349, kW/HP/rpm		115,0/154,1/2300
Exhaust emission standard		EU Stage V / EPA Tier 4

Diesel engine

Exhaust gas after-treatment		DOC-DPF-SCR
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Travel drive

Speed, infinitely variable	km/h mph	0-10,5 0.0-6.5
Regulation, infinitely variable		HAMMTRONIC
Gradeability, with/without vibration	%	37/41

Vibration

Vibration frequency, front, level I/II	Hz vpm	40/50 2,400/3,000
Vibration frequency, rear	Hz vpm	50 3,000
Amplitude, front, level I/II	mm in	0,95/0,35 .037/.014
Amplitude, rear	mm in	0,35 .014
Centrifugal force, front, level I/II	kN lbs	160/95 36,000/21,375
Centrifugal force, rear	kN lbs	110 24,750

Oscillation

Oscillation force, rear	kN lbs	184 41,400
Oscillation frequency, rear	Hz vpm	36 2,160
Tangential amplitude, rear	mm in	1,08 .043

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 Gal	260 68.7
AdBlue/SCR reducing agent tank, capacity	L Gal	20 5.3
Water tank, capacity	L Gal	1145 302.5

Sound level

Sound power level L(WA), guaranteed	db(A)	109
Sound power level L(WA), representative measurement	db(A)	108

EQUIPMENT

Scrapers foldable | Pressure water sprinkling system | ECO mode | Speed preselect | Track offset, hydraulic | Water filter system (3-fold) | Central water outlet