

Technical data

HD+ 90i VT



Tandem rollers Series HD+

Tandem roller with vibration drum and set of wheels

H303

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
- > Seat-operating unit can be moved and rotated
- > Digital ready

TECHNICAL DATA HD+ 90i VT (H303)

Weights

Operating weight with cab	kg lbs	8950 19,735
Operating weight with ROPS	kg lbs	8770 19,338
Empty weight without cab, without ROPS	kg lbs	7960 17,552
Max. operating weight	kg lbs	11650 25,688
Axle load, front/rear	kg lbs	4785/4165 10,551/9,184
Static linear load, front	kg/cm lbs/in	28,48 159.5
French classification, value/class		22,3/VX1; 10,4/PLO
Wheel load per tire, rear	kg lbs	1041,25 2,296

Machine dimensions

Total length	mm in	4900 192.9
Total height with cab	mm in	3010 118.5
Total height with ROPS	mm in	3060 120.5
Height loading, min.	mm in	2226 87.6
Center distance	mm in	3700 145.7
Total width with cab	mm in	1800 70.9
Maximum working width	mm in	1820 71.7
Ground clearance, center	mm in	340 13.4
Curb clearance, left/right	mm in	800/800 31.5/31.5
Turning radius, inside	mm in	6050 238.2

Drum dimensions

Drum width, front	mm in	1680 66.1
Drum diameter, front	mm in	1200 47.2
Drum thickness, front	mm in	17 0.7
Drum type, front		Smooth/non-split
Track offset, left/right	mm in	170 6.7

Tire dimensions

Tire size, rear		11.00-20
Width over tires, rear	mm in	1620 63.8
Number of tires, rear		4

Diesel engine

Manufacturer		DEUTZ
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Diesel engine

Model		TCD 3.6 L4
Cylinders, quantity		4
Power ISO 14396, kW/PS/rpm		85,0/115,6/2300
Power SAE J1349, kW/HP/rpm		85,0/113,9/2300
Exhaust emissions category, EU		EU Stage 5
Exhaust emissions category, USA		EPA Tier 4
Exhaust emissions category, Korea		KOR Stage 5
Exhaust gas after-treatment		DOC-DPF-SCR

Travel drive

Speed, infinitely variable	km/h mph	0 - 9,8 0.0 - 6.1
Regulation, infinitely variable		HAMMTRONIC
Gradeability, with/without vibration	%	45/50

Vibration

Vibration frequency, front, level I/II	Hz vpm	42/50 2,520/3,000
Amplitude, front, level I/II	mm in	0,65/0,35 .026/.014
Centrifugal force, front, level I/II	kN lbs	80/60 18,000/13,500

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	173 45.7
AdBlue/SCR reducing agent tank, capacity	L Gal	20 5.3
Water tank, capacity	L Gal	760 200.8
Additive tank, capacity	L Gal	22 5.8

Sound level

Sound power level L(WA), guaranteed	db(A)	107
Sound power level L(WA), representative measurement	db(A)	105

EQUIPMENT

Scraper foldable | Pressure water sprinkling system | ECO mode | Driver's platform with access from both sides | Vibration-isolated driver's platform | Track offset, hydraulic | Water filter system (3-fold) | Central water outlet | Steering column with tiltable dashboard