

Technical data

# HD+ 90i VT-S



**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-S (H303)**

**Weights**

Operating weight with cab	kg lbs	9210 20,308
Operating weight with ROPS	kg lbs	9030 19,911
Empty weight without cab, without ROPS	kg lbs	8220 18,125
Max. operating weight	kg lbs	11910 26,262
Axle load, front/rear	kg lbs	5045/4165 11,124/9,184
Static linear load, front	kg/cm lbs/in	30,03 168.2
French classification, value/class		21,8/VX0; 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/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 - 9,9 0.0 - 6.2
Regulation, infinitely variable		HAMMTRONIC
Gradeability, with/without vibration	%	44/49

**Vibration**

Vibration frequency, front, level I/II	Hz vpm	42/50 2,520/3,000
Amplitude, front, level I/II	mm in	0,60/0,40 .024/.016
Centrifugal force, front, level I/II	kN lbs	85/80 19,125/18,000

**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