

Technical data

HD+ 90i VT-S



Tandem rollers Series HD+

Tandem roller with vibrating roller drum and set of wheels

H273

HIGHLIGHTS

- > 3-point articulation for even weight distribution and excellent directional stability
- > Operating concept Easy Drive
- > Excellent view of machine and construction site
- > Electronic machine management Hammtronic
- > Track offset for comfortable starting and driving away and compacting at curbsides

TECHNICAL DATA HD+ 90i VT-S (H273)

Weights

Operating weight with cab	kg lbs	9195 20,275
Operating weight with ROPS	kg lbs	9025 19,900
Empty weight without cab, without ROPS	kg lbs	8195 18,070
Max. operating weight	kg lbs	11630 25,644
Axle load, front/rear	kg lbs	5075/4120 11,190/9,085
Static linear load, front	kg/cm lbs/in	30,2 169.1
French classification, value/class		23,0VX0
Wheel load per tire, rear	kg lbs	1030 2,271

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 emission standard		EU Stage V / EPA Tier 4
Exhaust gas after-treatment		DOC-DPF-SCR

Travel drive

Speed, infinitely variable	km/h mph	0 - 10,3 0.0 - 6.4
Regulation, infinitely variable		HAMMTRONIC
Gradeability, with/without vibration	%	35/45

Vibration

Vibration frequency, front, I/II	Hz vpm	42/50 2,520/3,000
Amplitude, front, I/II	mm in	0,6/0,39 .024/.015
Centrifugal force, front, I/II	kN lbs	84/78 18,900/17,550

Steering

Swing 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)	103

EQUIPMENT

Heating and air conditioning | Tachograph | HCQ navigator | Dashboard cover | Automatic engine-off function | HAMM Temperature Meter (HTM) | Track offset display | Back-up alarm | Rotating beacon | Coming home lighting | Locking device | Edge pressing and cutting equipment | Compaction meter HCQ hydraulic | Water filter system (3-fold) | Water tank front and rear, can be filled from both sides | Central water outlet

OPTIONAL EQUIPMENT