

# HD+ 90i VV-HF

Tandem roller with two vibrating roller drums  
Tandem rollers Series HD+ / Series H242



## HIGHLIGHTS HD+

- > Diesel engine with high power and low sound level
- > Pressure sprinkler system with 2 water pumps, spray nozzles visible from driver seat
- > Driver seat including steering wheel and instrument panel can be rotated and moved
- > Clear view of drum surface, its outer edge and working environment
- > Hydrostatic all-wheel drive for excellent hill climbing ability
- > Crab steering to increase working width













## Machine dimensions

Total length (L)	mm • in	4900 • 192.9
Width (B)	mm • in	1800 • 70.9
Total height (H)	mm • in	2980 • 117.3
Drum width (X)	mm • in	1680/1680 • 66.1/66.1
Height, loading, min. (Hl)	mm • in	2150 • 84.6



EU Stage  
IV/EPA Tier  
4

TECHNICAL DATA		Unit	HD+ 90i VV-HF
	<b>Weights</b>		
	Operating weight with cab	kg • lbs	9320 • 20,551
	Operating weight with ROPS	kg • lbs	9150 • 20,176
	Operating weight, max.	kg • lbs	11860 • 26,151
	Static linear load, front/rear	kg/cm • lbs/in	28,1/27,4 • 157,4/153,4
	<b>Machine dimensions</b>		
	Total length	mm • in	4900 • 192.9
	Total height with cab	mm • in	2980 • 117.3
	Height, loading, min.	mm • in	2150 • 84.6
	Wheelbase	mm • in	3700 • 145.7
	Total width with cab	mm • in	1800 • 70.9
	Max. working width	mm • in	1850 • 72.8
	Ground clearance, left/right	mm • in	800/800 • 31.5/31.5
	Turning radius, inside	mm • in	6050 • 238.2
	<b>Drum dimensions</b>		
	Drum width, front/rear	mm • in	1680/1680 • 66.1/66.1
	Drum diameter, front/rear	mm • in	1200/1200 • 47.2/47.2
	Drum thickness, front/rear	mm • in	17/17 • 0.7/0.7
	Drum type, front		smooth/nondivided
	Drum type, rear		smooth/nondivided
	Track offset, left/right	mm • in	170 • 6.7
	<b>Diesel engine</b>		
	Manufacturer		DEUTZ
	Type		TCD 3.6 L4
	Number of cylinders		4
	Power rat. ISO 14396, kW/PS/rpm		85,0/115,6/2300
	Power rating SAE J1349, kW/HP/rpm		85,0/113,9/2300
	Emissions standard EU/USA		EU Stage IV/EPA Tier 4
	Exhaust gas after-treatment		DOC-SCR
	<b>Drive</b>		
	Speed, working gear	km/h • mph	0-6,5 • 0.0-4.0
	Speed, transportation gear	km/h • mph	0-12,0 • 0.0-7.5
	Regulation, infinitely variable		Hammtronic
	Climbing ability, vibration on/off		35/40
	<b>Vibration</b>		
	Vibration frequency, front, I/II	Hz • vpm	45/67 • 2,700/4,020
	Vibration frequency, rear, I/II	Hz • vpm	45/67 • 2,700/4,020
	Amplitude, front, I/II	mm • in	0,48/0,27 • .019/.011
	Amplitude, rear, I/II	mm • in	0,48/0,27 • .019/.011
	Centrifugal force, front, I/II	kN • lbs	67/84 • 15,075/18,900
	Centrifugal force, rear, I/II	kN • lbs	67/84 • 15,075/18,900
	<b>Steering</b>		
	Oscillation angle +/-		10
	Steering, type		Articulated steering
	<b>Sprinkler system</b>		
	Water sprinkler, type		Pressure
	<b>Tank capacity/Fill capacity</b>		
	Fuel tank, capacity	L • Gal	173 • 45.7
	AdBlue/DEF tank, content	L • Gal	20 • 5.3
	Water tank, capacity	L • Gal	834 • 220.3
	<b>Sound level</b>		
	Acoustic power LW(A), sticker		107
	Acoustic power LW(A), measured		106

**EQUIPMENT**  
 2 water pumps, Foldable scraper, Tilttable dashboard, Operating concept Easy Drive, Spring-mounted driver's seat with armrests and safety belt, Hammtronic—electronic machine management, Seat-operating unit, can be moved and rotated laterally, Track offset, Vibration parameters, adjustable individually, Spray system with spray bars front and rear, Water filtering (triple), Water tank front and rear, can be filled from both sides, Central water drain, Handrail at operator's platform

**OPTIONAL EQUIPMENT**  
 Working light, Back-up alarm, Frequency control, Anti-freeze injection, Speedometer, HAMM Temperature Meter, HCQ-GPS compaction documentation, preparation, HAMM Compaction Meter, Heating and air conditioning, Heating, Track offset display, Edge pressing and cutting equipment, Radio, ROPS, rigid, Rotating beacon, Protective roof, Chip spreader, Rear area camera, ROPS cabin with split doors, Telematics interface, Automatic engine-off function, Drum edge lighting, Steering column with comfort exit and tilttable dashboard, Multifunction armrest, right, foldable, ROPS cabin with non-split doors

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 Further data on request / subject to change  
 Illustrations may contain optional features.