

HD+ 90i VO-S

Tandem roller with vibrating roller drum and oscillation drum
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 VO-S
	Weights		
	Operating weight with cab	kg • lbs	9560 • 21,080
	Operating weight with ROPS	kg • lbs	9390 • 20,705
	Operating weight, max.	kg • lbs	12100 • 26,680
	Static linear load, front/rear	kg/cm • lbs/in	29,3/27,1 • 164,1/151,8
	Machine dimensions		
	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
	Drum dimensions		
	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	17/20 • 0.7/0.8
	Drum type, front		smooth/divided
	Drum type, rear		smooth/nondivided
	Track offset, left/right	mm • in	170 • 6.7
	Diesel engine		
	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
	Drive		
	Speed, working gear	km/h • mph	0-6,0 • 0.0-3.7
	Speed, transportation gear	km/h • mph	0-11,0 • 0.0-6.8
	Regulation, infinitely variable		Hammtronic
	Climbing ability, vibration on/off		35/40
	Vibration		
	Vibration frequency, front, I/II	Hz • vpm	42/50 • 2,520/3,000
	Amplitude, front, I/II	mm • in	0,61/0,40 • .024/.016
	Centrifugal force, front, I/II	kN • lbs	84/78 • 18,900/17,550
	Oscillation		
	Oscillation force, rear	kN • lbs	128 • 28,800
	Oscillation frequency, rear	Hz • vpm	39 • 2,340
	Tangential amplitude, rear	mm • in	1,25 • .049
	Steering		
	Oscillation angle +/-		10
	Steering, type		Articulated steering
	Sprinkler system		
	Water sprinkler, type		Pressure
	Tank capacity/Fill capacity		
	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
	Sound level		
	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.