

# HD+ 90i PH VV-S

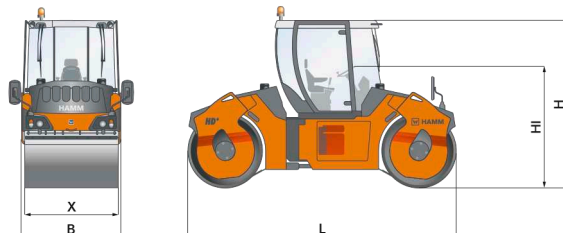
Tandem roller with two vibrating roller drums  
Tandem rollers Series HD+ / Series H276



## HIGHLIGHTS HD+

- > 3-point articulation for even weight distribution and excellent directional stability
- > Operating concept Easy Drive
- > Electronic machine management Hammtronic
- > Excellent view of machine and construction site
- > Hydraulic hybrid drive

Machine dimensions		
Total length (L)	mm • in	4800 • 189.0
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. (HI)	mm • in	2150 • 84.6



EU Stage V /  
EPA Tier 4

TECHNICAL DATA		Unit	HD+ 90i PH VV-S
	<b>Weights</b>		
Operating weight with cab	kg • lbs		9700 • 21,388
Operating weight with ROPS	kg • lbs		9530 • 21,014
Operating weight, max.	kg • lbs		12240 • 26,989
Static linear load, front/rear	kg/cm • lbs/in		29,3/28,5 • 164.1/159.6
French classific., data/class			22,9/VT1
	<b>Machine dimensions</b>		
Total length	mm • in		4800 • 189.0
Total height with cab	mm • in		2980 • 117.3
Height, loading, min.	mm • in		2150 • 84.6
Wheelbase	mm • in		3600 • 141.7
Total width with cab	mm • in		1800 • 70.9
Max. working width	mm • in		1850 • 72.8
Curb clearance, left/right	mm • in		800/800 • 31.5/31.5
Turning radius, inside	mm • in		5900 • 232.3
	<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 • 0.70/0.7
Drum type, front			Smooth/split
Drum type, rear			Smooth/split
Track offset, left/right	mm • in		170 • 6.7
	<b>Diesel engine</b>		
Manufacturer			DEUTZ
Type			TCD 2.9 L4
Power rat. ISO 14396, kW/PS/rpm			55,4/75,3/2300
Power rating SAE J1349, kW/HP/rpm			55,4/74,2/2300
Emission standard			EU Stage V / EPA Tier 4
Exhaust gas after-treatment			DOC-DPF
	<b>Drive</b>		
Speed, working gear	km/h • mph		0-6,0 • 0.0-3.7
Speed, transportation gear	km/h • mph		0-12,0 • 0.0-7.5
Regulation, infinitely variable			Hammtronic
Climbing ability, vibration on/off	%		
	<b>Vibration</b>		
Vibration frequency, front, I/II	Hz • vpm		42/50 • 2,520/3,000
Vibration frequency, rear, I/II	Hz • vpm		42/50 • 2,520/3,000
Amplitude, front, I/II	mm • in		0,61/0,40 • .024/.016
Amplitude, rear, I/II	mm • in		0,61/0,40 • .024/.016
Centrifugal force, front, I/II	kN • lbs		84/78 • 18,900/17,550
Centrifugal force, rear, I/II	kN • lbs		84/78 • 18,900/17,550
	<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
Water tank, capacity	L • Gal		760 • 200.8
	<b>Sound level</b>		
Acoustic power LW(A), sticker	db(A)		106
Acoustic power LW(A), measured	db(A)		103

#### EQUIPMENT

12 V outlet, 2 large working and rear view mirrors, Foldable scraper, Dashboard with displays, indicator lights and function key, Operating concept Easy Drive, Electrically powered cooling fan, Pressure water sprinkling with interval switch, ECO mode, Operator's platform with entry from both sides, Speed-controlled water sprinkling system, Speed preselect, Vibration-isolated operator's platform, Track offset, hydraulic, 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, Additional hydraulic performance support up to 20 kW

#### OPTIONAL EQUIPMENT

Heating and air conditioning, Tachograph, HCQ navigator, Dashboard cover, lockable, Edge pressing and cutting equipment, Compaction meter HCQ, Automatic engine-off function, HAMM Temperature Meter (HTM), Track offset display, Back-up alarm, Telematics interface, Working light

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