

# HD+ 90i PH VV

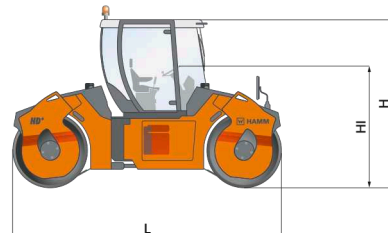
Tandem roller with two vibrating roller drums  
Tandem rollers Series HD+ / Series H276



## 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
	<b>Weights</b>		
	Operating weight with cab	kg • lbs	9220 • 20,330
	Operating weight with ROPS	kg • lbs	9050 • 19,955
	Operating weight, max.	kg • lbs	11760 • 25,931
	Static linear load, front/rear	kg/cm • lbs/in	27,8/27,1 • 155.7/151.8
	French classific., data/class		21,9/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/non-split
	Drum type, rear		Smooth/non-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	0,62/0,34 • .024/.013
	Amplitude, rear, I/II	mm • in	0,62/0,34 • .024/.013
	Centrifugal force, front, I/II	kN • lbs	75/60 • 16,875/13,500
	Centrifugal force, rear, I/II	kN • lbs	75/60 • 16,875/13,500
	<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

**WIRTGEN AMERICA**  
 6030 Dana Way  
 Antioch, TN 37013  
 Phone +1 615-501-0600  
 Fax +1 615-501-0691  
 info.america@wirtgen-group.com  
 www.wirtgen-group.com/america

**HAMM AG**  
 Hammstraße 1  
 D-95643 Tirschenreuth  
 Tel +49 9631 80-0  
 Fax +49 9631 80-111  
 www.hamm.eu

