

Technical data

# HD+ 90i PH VV



**Tandem rollers Series HD+**

Tandem roller with two vibration drums

**H276**

**HIGHLIGHTS**

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

**TECHNICAL DATA HD+ 90i PH VV (H276)**

**Weights**

Operating weight with cab	kg lbs	9220 20,330
Operating weight with ROPS	kg lbs	9050 19,955
Max. operating weight	kg lbs	11760 25,931
Static linear load, front/rear	kg/cm lbs/in	27,8/27,1 155.7/151.8
French classification, value/class		21,9/VT1

**Machine dimensions**

Total length	mm in	4800 189.0
Total height with cab	mm in	2980 117.3
Height loading, min.	mm in	2150 84.6
Center distance	mm in	3600 141.7
Total width with cab	mm in	1800 70.9
Maximum 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

**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	17/17 0.7/0.7
Drum type, front		Smooth/non-split
Drum type, rear		Smooth/non-split
Track offset, left/right	mm in	170 6.7

**Diesel engine**

Manufacturer		DEUTZ
Model		TCD 2.9 L4
Cylinders, quantity		4
Power ISO 14396, kW/PS/rpm		55,4/75,3/2300
Power SAE J1349, kW/HP/rpm		55,4/74,2/2300
Exhaust emissions category, EU		EU Stage 5
Exhaust emissions category, Japan		
Exhaust emissions category, Korea		KOR Stage 5
Exhaust emissions category, USA		EPA Tier 4
Exhaust gas after-treatment		DOC-DPF

**Travel drive**

Speed, working gear	km/h mph	0-6,0 0.0-3.7
Speed, transport gear	km/h mph	0-12,0 0.0-7.5
Regulation, infinitely variable		HAMMTRONIC
Gradeability, with/without vibration	%	47/52

**Vibration**

Vibration frequency, front, level I/II	Hz vpm	42/50 2,520/3,000
Vibration frequency, rear, level I/II	Hz vpm	42/50 2,520/3,000
Amplitude, front, level I/II	mm in	0,62/0,34 .024/.013
Amplitude, rear, level I/II	mm in	0,62/0,34 .024/.013
Centrifugal force, front, level I/II	kN lbs	75/60 16,875/13,500
Centrifugal force, rear, level I/II	kN lbs	75/60 16,875/13,500

**Steering**

Pendulum 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
Water tank, capacity	L Gal	760 200.8

**Sound level**

Sound power level L(WA), guaranteed	db(A)	106
Sound power level L(WA), representative measurement	db(A)	102

**EQUIPMENT**

12 V power socket | Two large exterior rear-view mirrors | Scraper foldable | Dashboard with displays, indicator lights and function keys | Easy Drive operating concept | Electric-powered cooling fan | Pressure water sprinkling system | ECO mode | Driver's platform with access from both sides | Speed-controlled water sprinkling | Automatic traction control and anti-slip control | Vibration-isolated driver's platform | Track offset, hydraulic | Water-sprinkling system with spray bars, front and rear | Water filter system (3-fold) | Water tank front and rear, can be filled from both sides | Central water outlet | Additional hydraulic performance support up to 20 kW

**OPTIONAL EQUIPMENT**