

Technical data

HD+ 90i PH VT-S



Tandem rollers Series HD+

Tandem roller with vibrating roller drum and set of wheels

H276

HIGHLIGHTS

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

TECHNICAL DATA HD+ 90i PH VT-S (H276)

Weights

Operating weight with cab	kg lbs	8960 19,757
Operating weight with ROPS	kg lbs	8790 19,382
Max. operating weight	kg lbs	11520 25,402
Static linear load, front	kg/cm lbs/in	29,2 163.5
French classification, value/class		22,8.10,1/VX1.PLO

Machine dimensions

Total length	mm in	4800 189.0
Total height with cab	mm in	3010 118.5
Height loading, min.	mm in	2226 87.6
Center distance	mm in	3600 141.7
Total width with cab	mm in	1800 70.9
Maximum working width	mm in	1820 71.7
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	mm in	1680 66.1
Drum diameter, front	mm in	1200 47.2
Drum thickness, front	mm in	17 0.7
Drum type, front		Smooth/split
Track offset, left/right	mm in	170 6.7

Tire dimensions

Tire size, rear		11.00-20
Width over tires, rear	mm in	1620 63.8
Number of tires, rear		4

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 emission standard		EU Stage V / EPA Tier 4
Exhaust gas after-treatment		DOC-DPF

Travel drive

Speed, working gear	km/h	0-6,0
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Travel drive

	mph	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	%	

Vibration

Vibration frequency, front, level I/II	Hz vpm	42/50 2,520/3,000
Amplitude, front, level I/II	mm in	0,61/0,40 .024/.016
Centrifugal force, front, level I/II	kN lbs	84/78 18,900/17,550

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
Additive tank, capacity	L Gal	22 5.8

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 | Scrapers 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 | Speed preselect | 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

Heating and air-conditioning system | Tachograph | Process data interface for third-party provider systems, asphalt construction | Dashboard cover, lockable | Edge pressing and cutting equipment | HAMM Compaction Meter (HCM) | Automatic engine stop | HAMM Temperature Meter (HTM) | Track offset display | Back-up alarm | Telematics system | Working spotlights