

Technical data

HD+ 90i PH VO-S



Tandem rollers Series HD+

Tandem roller with vibration and oscillation drum

H276

HIGHLIGHTS

- > Hydraulic hybrid drive
- > Compaction with oscillation
- > Electronic machine management Hammtronic
- > Excellent view of machine and construction site
- > Operating concept Easy Drive

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

Weights

Operating weight with cab	kg lbs	9460 20,859
Operating weight with ROPS	kg lbs	9290 20,484
Maximum operating weight	kg lbs	12000 26,460
Static linear load, front/rear	kg/cm lbs/in	29,3/27,1 164.1/151.8
French classification, value/class		22,9/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	17/20 0.7/0.8
Drum type, front		Smooth/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 emission standard		EU Stage V / 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

Travel drive

Gradeability, with/without vibration	%	
--------------------------------------	---	--

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

Pendulum angle +/-	°	10
Steering, type		Articulated steering

Water-sprinkling system

Water sprinkling, type		Pressure
------------------------	--	----------

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 | 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