

Technical data

# HD+ 90i VO



## Tandem rollers Series HD+

Tandem roller with vibration and oscillation drum

H273

### HIGHLIGHTS

- > Track offset for comfortable starting and driving away and compacting at curbsides
- > Excellent view of machine and construction site
- > Compaction with oscillation
- > Electronic machine management Hammtronic
- > Operating concept Easy Drive

## TECHNICAL DATA HD+ 90i VO (H273)

## Weights

Operating weight with cab	kg lbs	9490 20,925
Operating weight with ROPS	kg lbs	9320 20,551
Empty weight without cab, without ROPS	kg lbs	8490 18,720
Max. operating weight	kg lbs	11920 26,284
Axle load, front/rear	kg lbs	4750/4740 10,474/10,452
Static linear load, front/rear	kg/cm lbs/in	28,27/28,21 158.3/158.0
French classification, value/class		22,3/VT1

## Machine dimensions

Total length	mm in	4900 192.9
Total height with cab	mm in	2980 117.3
Total height with ROPS	mm in	3030 119.3
Height loading, min.	mm in	2150 84.6
Center distance	mm in	3700 145.7
Total width with cab	mm in	1800 70.9
Maximum working width	mm in	1850 72.8
Ground clearance, center	mm in	340 13.4
Curb clearance, left/right	mm in	800/800 31.5/31.5
Turning radius, inside	mm in	6050 238.2

## 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/non-split
Drum type, rear		Smooth/non-split
Track offset, left/right	mm in	170 6.7

## Diesel engine

Manufacturer		DEUTZ
Model		TCD 3.6 L4
Cylinders, quantity		4
Power ISO 14396, kW/PS/rpm		85,0/115,6/2300
Power SAE J1349, kW/HP/rpm		85,0/113,9/2300
Exhaust emission standard		EU Stage V / EPA Tier 4

## Diesel engine

Exhaust gas after-treatment		DOC-DPF-SCR
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## Travel drive

Speed, infinitely variable	km/h mph	0 - 10,0 0.0 - 6.2
Regulation, infinitely variable		HAMMTRONIC
Gradeability, with/without vibration	%	40/45

## Vibration

Vibration frequency, front, I/II	Hz vpm	42/50 2,520/3,000
Amplitude, front, I/II	mm in	0,62/0,34 .024/.013
Centrifugal force, front, I/II	kN lbs	75,5/59,6 16,988/13,410

## 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

Swing 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
AdBlue/SCR reducing agent tank, capacity	L Gal	20 5.3
Water tank, capacity	L Gal	760 200.8

## Sound level

Sound power level L(WA), guaranteed	db(A)	107
Sound power level L(WA), representative measurement	db(A)	101

## EQUIPMENT

Heating and air conditioning | Tachograph | HCQ navigator | Dashboard cover | Automatic engine-off function | HAMM Temperature Meter (HTM) | Track offset display | Back-up alarm | Rotating beacon | Coming home lighting | Locking device | Edge pressing and cutting equipment | Compaction meter HCQ hydraulic | Water filter system (3-fold) | Water tank front and rear, can be filled from both sides | Central water outlet

## OPTIONAL EQUIPMENT