

Technical data

HD 90 P VT



Tandem rollers Series HD

Tandem roller with vibrating roller drum and set of wheels

H296

HIGHLIGHTS

- > 3-point articulation for even weight distribution and excellent directional stability
- > Ergonomic driver platform with rotatable seat operating unit and adjustable driver's seat
- > Track offset for comfortable starting and driving away and compacting at curbsides
- > Simple, intuitive and language-neutral control
- > Excellent view of machine and construction site

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TECHNICAL DATA HD 90 P VT (H296)

Weights

Operating weight with cab	kg lbs	9010 19,867
Operating weight with ROPS	kg lbs	8790 19,382
Empty weight without cab, without ROPS	kg lbs	7955 17,541
Max. operating weight	kg lbs	9670 21,322
Axle load, front/rear	kg lbs	4770/4240 10,518/9,349
Static linear load, front	kg/cm lbs/in	28,39 159.0
French classification, value/class		22,4/VX1
Wheel load per tire, rear	kg lbs	1060 2,337

Machine dimensions

Total length	mm in	4900 192.9
Total height with cab	mm in	3010 118.5
Total height with ROPS	mm in	3099 122.0
Total height with plastic protective roof	mm in	3020 118.9
Height loading, min.	mm in	2606 102.6
Center distance	mm in	3700 145.7
Total width with cab	mm in	1807 71.1
Maximum working width	mm in	1820 71.7
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	5876 231.3

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/non-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		CUMMINS
Model		QSB3.9-C130-32
Cylinders, quantity		4
Power ISO 14396, kW/PS/rpm		97/132/2500
Power SAE J1349, kW/HP/rpm		97/130/2500
Exhaust emission standard		UN ECE R96 (Tier 3)
Exhaust emissions category, EU		EU Stage IIIA
Exhaust emissions category, USA		EPA Tier 3
Exhaust emissions category, Brazil		MAR-I
Exhaust gas after-treatment		-

Travel drive

Speed, infinitely variable	km/h mph	0 - 12,5 0.0 - 7.8
Regulation, infinitely variable		HAMMTRONIC
Gradeability, with/without vibration	%	30/40

Vibration

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

Steering

Steering angle +/-	°	30
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)	
Sound power level L(WA), representative measurement	db(A)	

EQUIPMENT