

Technical data

HD+ 90i VO



Tandem rollers Series HD+

Tandem roller with vibration and oscillation drum

H303

HIGHLIGHTS

- > Operating concept Easy Drive
- > 3-point articulation for even weight distribution and excellent directional stability
- > Innovative cabin concept for optimal visibility and high comfort
- > Compaction with oscillation
- > Digital ready

TECHNICAL DATA HD+ 90i VO (H303)

Weights

Operating weight with cab	kg lbs	9495 20,936
Operating weight with ROPS	kg lbs	9315 20,540
Empty weight without cab, without ROPS	kg lbs	8505 18,754
Max. operating weight	kg lbs	12140 26,769
Axle load, front/rear	kg lbs	4785/4710 10,551/10,386
Static linear load, front/rear	kg/cm lbs/in	28,48/28,04 159.5/157.0
French classification, value/class		22,08/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	17/19 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 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

Diesel engine

Exhaust emissions category, EU		EU Stage 5
Exhaust emissions category, USA		EPA Tier 4
Exhaust emissions category, Korea		KOR Stage 5
Exhaust gas after-treatment		DOC-DPF-SCR

Travel drive

Speed, infinitely variable	km/h mph	0 - 10,4 0.0 - 6.5
Regulation, infinitely variable		HAMMTRONIC
Gradeability, with/without vibration	%	41/46

Vibration

Vibration frequency, front, level I/II	Hz vpm	42/50 2,520/3,000
Amplitude, front, level I/II	mm in	0,65/0,35 .026/.014
Centrifugal force, front, level I/II	kN lbs	80/60 18,000/13,500

Oscillation

Oscillation force, rear	kN lbs	119 26,775
Oscillation frequency, rear	Hz vpm	39 2,340
Tangential amplitude, rear	mm in	1,10 .043

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
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)	105

EQUIPMENT