

Technical data

HX 90i VO-S



Tandem rollers Series HX

Tandem roller with vibration and oscillation drum

H299

HIGHLIGHTS

- > Compaction with oscillation
- > Intelligent water sprinkler system
- > Operating concept Easy Drive
- > Innovative cabin concept for optimal visibility and high comfort
- > Digital ready

TECHNICAL DATA HX 90i VO-S (H299)

Weights

Operating weight with cab	kg lbs	9570 21,102
Empty weight without cab, without ROPS	kg lbs	8475 18,687
Max. operating weight	kg lbs	12190 26,879
Axle load, front/rear	kg lbs	4865/4705 10,727/10,375
Axle load at max. operating weight, front/rear	kg lbs	4440/7750 9,790/17,089
Static linear load, front/rear	kg/cm lbs/in	28,95/28,02 162.1/156.9
French classification, value/class		22,7/VT1

Machine dimensions

Total length	mm in	4448 175.1
Total height with cab	mm in	2965 116.7
Height loading, min.	mm in	2170 85.4
Center distance	mm in	3250 128.0
Total width with cab	mm in	1860 73.2
Maximum working width	mm in	3050 120.1
Ground clearance, center	mm in	300 11.8
Curb clearance, left/right	mm in	655/655 25.8/25.8
Turning radius, inside	mm in	3000 118.1

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	1370 53.9

Diesel engine

Manufacturer		DEUTZ
Model		TCD 3.6 L4
Cylinders, quantity		4
Power ISO 14396, kW/PS/rpm		74,4/101,2/2200
Power SAE J1349, kW/HP/rpm		74,4/99,7/2200
Exhaust emissions category, EU		EU Stage 5

Diesel engine

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	%	43/48

Vibration

Vibration frequency, front, level I/II	Hz vpm	42/50 2,520/3,000
Amplitude, front, level I/II	mm in	0,63/0,40 .025/.016
Centrifugal force, front, level I/II	kN lbs	84,13/77,77 18,929/17,498

Oscillation

Oscillation force, rear	kN lbs	101,51 22,840
Theoretical oscillation force, rear	kN lbs	101,51 22,840
Oscillation frequency, rear	Hz vpm	36 2,160
Tangential amplitude, rear	mm in	1,06 .042

Steering

Pendulum angle +/-	°	4
Steering, type		All-wheel, analogue

Water-sprinkling system

Water sprinkling, type		Pressure
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Tank capacity/filling capacity

Fuel tank, capacity	L Gal	160 42.3
AdBlue/SCR reducing agent tank, capacity	L Gal	20 5.3
Water tank, capacity	L Gal	810 214.0

Sound level

Sound power level L(WA), guaranteed	db(A)	106
Sound power level L(WA), representative measurement	db(A)	105

EQUIPMENT