

Technical data

HD+ 90i VO-S



Tandem rollers Series HD+
Tandem roller with vibration and oscillation drum

H273

HIGHLIGHTS

- > Compaction with oscillation
- > Track offset for comfortable start up, moving away and compacting at curb edges
- > Operating concept Easy Drive
- > Excellent view of the machine and the construction site
- > Electronic machine management Hammtronic

TECHNICAL DATA HD+ 90i VO-S (H273)

Weights

Operating weight with cab	kg	9815
Operating weight with ROPS	kg	9645
Empty weight without cab, without ROPS	kg	8815
Max. operating weight	kg	12250
Axle load, front/rear	kg	5075/4740
Static linear load, front/rear	kg/cm	30,2/28,2
French classification, value/class		23,0/VT0

Machine dimensions

Total length	mm	4900
Total height with cab	mm	2980
Total height with ROPS	mm	3030
Height loading, min.	mm	2150
Centre distance	mm	3700
Total width with cab	mm	1800
Maximum working width	mm	1850
Ground clearance, centre	mm	340
Kerb clearance, left/right	mm	800/800
Turning radius, inside	mm	6050

Drum dimensions

Drum width, front/rear	mm	1680/1680
Drum diameter, front/rear	mm	1200/1200
Drum thickness, front/rear	mm	17/20
Drum type, front		Smooth/split
Drum type, rear		Smooth/non-split
Track offset, left/right	mm	170

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
Exhaust gas after-treatment		DOC-DPF-SCR

Travel drive

Speed, infinitely variable	km/h	0 - 10,1
Regulation, infinitely variable		HAMMTRONIC
Gradeability, with/without vibration	%	38/43

Vibration

Vibration frequency, front, I/II	Hz	42/50
Amplitude, front, I/II	mm	0,6/0,39
Centrifugal force, front, I/II	kN	84/78

Oscillation

Oscillation force, rear	kN	128
Oscillation frequency, rear	Hz	39
Tangential amplitude, rear	mm	1,25

Steering

Swing angle +/-	°	10
-----------------	---	----

Steering

Steering, type		Articulated steering
----------------	--	----------------------

Water-sprinkling system

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

Tank capacity/filling capacity

Fuel tank, capacity	L	173
AdBlue/SCR reducing agent tank, capacity	L	20
Water tank, capacity	L	760

Sound level

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

EQUIPMENT

12 V power socket | Two large exterior rear-view mirrors | Folding scraper | Easy Drive operating concept | Pressure water sprinkling system | ECO mode | Driver's platform with entry from both sides | Speed-controlled water sprinkling | Speed preselect | Vibration-isolated driver's platform | Water-sprinkling system with spray bars front and rear | Track offset, hydraulic | Water filter system (3-fold) | Water tank front and rear, can be filled from both sides | Central water outlet

OPTIONAL EQUIPMENT

Heating and air conditioning | Tachograph | HCQ Navigator | Dashboard cover | Automatic engine-off function | HAMM Temperature Meter (HTM) | Track offset display | Back-up alarm (reversing) | Rotating beacon | Coming home lighting | Locking device | Edge pressing and cutting equipment | HCQ compaction meter