

Technical data

DV+ 90i VO-S



Tandem rollers Series DV+

Tandem roller with vibrating roller drum and oscillation drum

H278

HIGHLIGHTS

- > Large panorama cabin with clear view concept and free visibility of the drums and the construction site
- > High compaction quality through optimum setting of the compaction parameters
- > Operating concept Easy Drive
- > Compaction with oscillation
- > Intelligent water sprinkler system

TECHNICAL DATA DV+ 90i VO-S (H278)

Weights

Operating weight with cab	kg	9420
Operating weight, max.	kg	12150
Static linear load, front/rear	kg/cm	29,2/26,8
French classific., data/class		22,8/VT1

Machine dimensions

Total length	mm	4450
Total height with cab	mm	2965
Height loading, min.	mm	2172
Wheel base	mm	3250
Total width with cab	mm	1860
Max. working width	mm	3050
Kerb clearance, left/right	mm	665/665
Turning radius, inside	mm	3000

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	1370

Diesel engine

Manufacturer		DEUTZ
Version		TCD 3.6 L4
Number of cylinders		4
Power rat. ISO 14396, kW/PS/rpm		74,4/101,2/2200
Power rating SAE J1349, kW/HP/rpm		74,4/99,7/2200
Emission standard		EU Stage V / EPA Tier 4
Exhaust gas after-treatment		DOC-DPF-SCR

Drive

Speed, infinitely variable	km/h	0 - 11,0
Regulation, infinitely variable		Hammtronic
Climbing ability, vibration on/off	%	40/45

Vibration

Vibration frequency, front, I/II	Hz	42/50
Amplitude, front, I/II	mm	0,61/0,40
Centrifugal force, front, I/II	kN	84/78

Oscillation

Oscillation force, rear	kN	109
Oscillation frequency, rear	Hz	36
Tangential amplitude, rear	mm	1,25

Steering

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

Sprinkler system

Water sprinkler, type		Pressure
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Tank capacity/Fill capacity

Fuel tank, capacity	L	160
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Tank capacity/Fill capacity

AdBlue/DEF tank, content	L	20
Water tank, capacity	L	810

Sound level

Sound power level L(WA), guaranteed	db(A)	106
Acoustic power L(WA), measured	db(A)	104

EQUIPMENT

12 V sockets (double) | 2 large working and rear view mirrors | 2 water pumps | Foldable scraper | Operating concept Easy Drive | Lighting package as per road traffic regulations | Pressurized refilling of water tanks from below | ECO mode | Spring-mounted driver's seat with armrests and safety belt | Cup holder | Hammtronic - electronic machine management | Cabin floor window, front and rear | Seat-operating unit, can be moved and rotated laterally | Spray system with spray bar front and rear | Water filtering (triple) | Water tank front and rear, can be filled from both sides | Central water drain

OPTIONAL EQUIPMENT

Radio | HCQ Navigator | Edge pressing and cutting equipment | Chip spreader | Anti-freeze injection system | Central grease point | Automatic engine-off function | HAMM Temperature Meter (HTM) | Back-up alarm (reversing) | Rotating beacon | Drum edge lighting | Drum lighting | Coming home lighting