

Technical data

DV+ 90i VV-S



Tandem rollers Series DV+

Tandem roller with two vibrating roller drums

H278

HIGHLIGHTS

- > Electronic machine management Hammtronic
- > Large-space panorama cabin with free-view concept and free view of the drums and construction site
- > Operating concept Easy Drive
- > Intelligent water sprinkler system
- > High compaction performance due to optimal setting of the compaction parameters

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

Weights

Operating weight with cab	kg lbs	9600 21,168
Operating weight, max.	kg lbs	12320 27,166
Static linear load, front/rear	kg/cm lbs/in	29,2/27,9 163.5/156.2
French classific., data/class		22,8/VT1

Machine dimensions

Total length	mm in	4450 175.2
Total height with cab	mm in	2965 116.7
Height, loading, min.	mm in	2172 85.5
Wheelbase	mm in	3250 128.0
Total width with cab	mm in	1860 73.2
Max. working width	mm in	3050 120.1
Curb clearance, left/right	mm in	665/665 26.2/26.2
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	17/17 0.7/0.7
Drum type, front		Smooth/split
Drum type, rear		Smooth/split
Track offset, left/right	mm in	1370 53.9

Diesel engine

Manufacturer		DEUTZ
Type		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 mph	0 - 11,0 0.0 - 6.8
Regulation, infinitely variable		Hammtronic
Climbing ability, vibration on/off	%	40/45

Vibration

Vibration frequency, rear, I/II	Hz vpm	42/50 2,520/3,000
Amplitude, front, I/II	mm in	0,61/0,40 .024/.016
Amplitude, rear, I/II	mm in	0,61/0,40 .024/.016
Centrifugal force, front, I/II	kN lbs	84/78 18,900/17,550
Centrifugal force, rear, I/II	kN lbs	84/78 18,900/17,550

Steering

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

Sprinkler system

Water sprinkler, type		Pressure
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Tank capacity/Fill capacity

Fuel tank, capacity	L Gal	160 42.3
AdBlue/DEF tank, content	L Gal	20 5.3
Water tank, capacity	L Gal	810 214.0

Sound level

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

EQUIPMENT

12 V outlets (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 | Central grease point | Automatic engine-off function | HAMM Temperature Meter (HTM) | Back-up alarm | Rotating beacon | Drum edge lighting | Drum lighting | Coming home lighting