



HD+ 90i VO-S / HD+ 90i VV-S

HD+ 90i VO-S - Articulated tandem roller with vibratory and oscillating drum

HD+ 90i VV-S - Articulated tandem roller with two vibratory drums



- ▶ Diesel engine with high power and low sound level
- ▶ Pressure sprinkler system with 2 water pumps; spray nozzles visible from driver seat
- ▶ Ergonomic driver seat for perfect all-round visibility
- ▶ Driver seat including steering wheel and instrument panel can be rotated and moved
- ▶ Clear view of drum surface, its outer edge and working environment
- ▶ Crab steering to increase working width
- ▶ Hydrostatic all-wheel drive for excellent hill climbing ability



HD+ 90i VO-S / HD+ 90i VW-S

HD+ 90i VO-S - Articulated tandem roller with vibratory and oscillating drum
HD+ 90i VW-S - Articulated tandem roller with two vibratory drums



		HD+ 90i VO-S	HD+ 90i VW-S
Weights			
Operating weight with ROPS	kg	9290	9530
Operating weight with cab	kg	9460	9700
Operating weight, max.	kg	12000	12240
Axle load, front/rear	kg	4915/4545	4915/4785
Static linear load, front/rear	kg/cm	29,3/27,1	29,3/28,5
French classific., data/class		22,9/VT1	22,9/VT1
Machine dimensions			
Max. working width	mm	1850	1850
Lateral overhang, left/right	mm	60/60	60/60
Ground clearance, left/right	mm	800/800	800/800
Ground clearance, centre	mm	340	340
Turning radius, inside	mm	5900	5900
Drum thickness, front/rear	mm	17/17	17/17
Diesel engine			
Manufacturer		DEUTZ	DEUTZ
Type		TCD 3.6 L4	TCD 3.6 L4
Number of cylinders		4	4
Power rat. ISO 14396, kW/PS/rpm		85,0/115,6/2300	85,0/115,6/2300
Power rating SAE J1349, kW/HP/rpm		85,0/113,9/2300	85,0/113,9/2300
Emissions standard EU/USA		III B / Tier 4i	III B / Tier 4i
Fuel tank, capacity	L	173	173
Drive			
Hydrostatic drive, front/rear		Hydr. motor/hydr. motor	Hydr. motor/hydr. motor
Speed, working gear	km/h	0-6,0	0-6,0
Speed, transportation gear	km/h	0-12,0	0-12,0
Climbing ability, vibration on/off	%	35/40	35/40
Vibration system			
Hydrostatic drive			
Vibration			
Vibration frequency, front, I/II	Hz	42/55	42/55
Vibration frequency, rear, I/II	Hz	42/55	42/55
Amplitude, front, I/II	mm	0,61/0,40	0,61/0,40
Amplitude, rear, I/II	mm	0,61/0,40	0,61/0,40
Centrifugal force, front, I/II	kN	84/94	84/94
Centrifugal force, rear, I/II	kN	84/94	84/94
Oscillation			
Oscillation frequency, rear	Hz	39	
Tangential amplitude, rear	mm	1,44	
Oscillation force, rear	kN	144	
Steering			
Steering, type		Articulated steering	Articulated steering
Steering, actuation		hydrostatic, steering wheel	hydrostatic, steering wheel
Steering angle +/-	°	30	30
Oscillation angle +/-	°	10	10
Sprinkler system			
Water sprinkler, type		Pressure	Pressure
Actuation, sprinkling		interval/manual	interval/manual
Water tank, capacity	L	834	834
Equipment			
Amplitude, switchable: large/small, Access handles, Battery main switch, Triple oil filtering, Spring-mounted driver seat, Speedometer, Indicator lights and emergency stop, Multifunction drive lever to right of seat, Comfort seat can be swivelled and moved, Vibration, switchable: front/rear/together, Water level display			
Optional equipment			
All headlights available in Xenon, Exterior and interior mirrors, Back-up alarm, Drum lighting, Driver seat, back extension, Tachograph, Frequency regulator, switchable: front/rear/together, HCQ asphalt thermometer, HCQ asphalt compression meter, Heat/air conditioning with dehumidification, Crab steering to increase working width, Interior lighting, Cab: 4 headlights, Edge pressing and cutting equipment, Radio, ROPS panoramic cab, Rotating beacon, Sound insulation, Seat belt, Sunroof, Dust-free ventilation, Fabric seat, Second multifunction drive levers			

Total length	L	4800	4800
Width	B	1800	1800
Total height	H	2980	2980
Wheel base	A	3600	3600
Roller drum width	X	1680/1680	1680/1680
Drum diameter	D	1200/1200	1200/1200
Height loading, min.	HI	2150	2150

