



## HD+ 90 VV / HD+ 90 VO

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

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



- ▶ 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
- ▶ Hydrostatic all-wheel drive for excellent hill climbing ability



- ▶ Diesel engine with high power and low sound level
- ▶ Pressure sprinkler system with 2 water pumps; spray nozzles visible from driver seat
- ▶ Crab steering to increase working width

# HD+ 90 VV / HD+ 90 VO

HD+ 90 VV - Articulated tandem roller with two vibratory drums  
 HD+ 90 VO - Articulated tandem roller with vibratory and oscillating drum



		HD+ 90 VV	HD+ 90 VO
<b>Weights</b>			
Operating weight with ROPS	kg	9220	9220
Operating weight with cab	kg	9380	9380
Operating weight, max.	kg	11900	11900
Axle load, front/rear	kg	4740/4610	4770/4610
Static linear load, front/rear	kg/cm	28,4/27,4	28,4/27,4
French classific., data/class		22,4/VT1	22,4/VT1
<b>Machine dimensions</b>			
Max. working width	mm	1850	1850
Lateral overhang, left/right	mm	60/60	60/60
Ground clearance, left/right	mm	790/790	790/790
Ground clearance, centre	mm	330	330
Turning radius, inside	mm	5250	5250
Drum type, front		smooth/nondivided	smooth/nondivided
Drum type, rear		smooth/nondivided	smooth/nondivided
Drum thickness, front/rear	mm	17/17	17/17
<b>Diesel engine</b>			
Manufacturer		DEUTZ	DEUTZ
Type		TCD 2012 L04 2V	TCD 2012 L04 2V
Number of cylinders		4	4
Power rat. ISO 14396, kW/PS/rpm		100,0/136,0/2300	100,0/136,0/2300
Power rating SAE J1349, kW/HP/rpm		100,0/134,0/2300	100,0/134,0/2300
Emissions standard EU/USA		III A / Tier 3	III A / Tier 3
Fuel tank, capacity	L	150	150
<b>Drive</b>			
Hydrostatic drive, front/rear		Hydr. motor/hydr. motor	Hydr. motor/hydr. motor
Regulation, infinitely variable			
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
<b>Vibration</b>			
Vibration frequency, front, I/II	Hz	42/50	42/50
Vibration frequency, rear, I/II	Hz	42/50	
Amplitude, front, I/II	mm	0,62/0,34	0,62/0,34
Amplitude, rear, I/II	mm	0,62/0,34	
Centrifugal force, front, I/II	kN	75/60	75/60
Centrifugal force, rear, I/II	kN	75/60	
<b>Oscillation</b>			
Oscillation frequency, rear	Hz		39
Tangential amplitude, rear	mm		1,44
Oscillation force, rear	kN		144
<b>Steering</b>			
Steering, type		Articulated steering	Articulated steering
Steering, actuation		hydrostatic, steering wheel	hydrostatic, steering wheel
Steering angle +/-	°	30	30
Oscillation angle +/-	°	10	10
<b>Sprinkler system</b>			
Water sprinkler, type		Pressure	Pressure
Actuation, sprinkling		interval/manual	interval/manual
Water tank, capacity	L	834	834

**Equipment**  
 Spring-mounted driver seat, Comfort seat can be swivelled and moved, Multifunction drive lever to right of seat, Amplitude, switchable: large/small, Vibration, switchable: front/rear/together, Indicator lights and emergency stop, Battery main switch, Triple oil filtering, Water level display, Speedometer, Access handles

**Optional equipment**  
 HCQ asphalt compression meter, HCQ asphalt thermometer, Frequency regulator, switchable: front/rear/together, Crab steering to increase working width, ROPS panoramic cab, Heat/air conditioning with dehumidification, Dust-free ventilation, Interior lighting, Exterior and interior mirrors, Tachograph, Rotating beacon, Sound insulation, Edge pressing and cutting equipment, Radio, Back-up alarm, Second multifunction drive levers, Drum lighting, Cab: 4 headlights, All headlights available in Xenon, Fabric seat, Driver seat, back extension, Seat belt, Sunroof

<b>Total length</b>	<b>L</b>	<b>4600</b>	<b>4600</b>
<b>Width</b>	<b>B</b>	<b>1800</b>	<b>1800</b>
<b>Total height</b>	<b>H</b>	<b>3050</b>	<b>3050</b>
<b>Wheel base</b>	<b>A</b>	<b>3400</b>	<b>3400</b>
<b>Roller drum width</b>	<b>X</b>	<b>1680/1680</b>	<b>1680/1680</b>
<b>Drum diameter</b>	<b>D</b>	<b>1200/1200</b>	<b>1200/1200</b>
<b>Height loading, min.</b>	<b>HI</b>	<b>2185</b>	<b>2185</b>

