



HD 90 / HD 90K

HD 90 - Articulated tandem roller with two vibratory drums

HD 90K - Articulated combi roller with vibratory drum



- ▶ Ergonomic driver seat with 2 multifunction drive levers
- ▶ Driver seat including steering wheel and instrument panel can be swivelled and rotated
- ▶ 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

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 HD 90K - Articulated combi roller with vibratory drum

		HD 90	HD 90K
Weights			
Operating weight	kg	9190	8585
Maximum weight	kg	11900	11400
Axle load, front/rear	kg	4630/4560	4625/3960
Load per tyre, rear	kg		990
Static linear load, front/rear	kg/cm	27,6/27,1	
Static linear load, front	kg/cm		27,5
Machine dimensions			
Max. working width	mm	1780	1750
Turning radius, inside	mm	3961	3961
Size of tyres, rear			11.00-20
Diesel engine			
Manufacturer		DEUTZ	DEUTZ
Type		TCD 2012 L04 2V	TCD 2012 L04 2V
Number of cylinders		4	4
Power rat. ISO 14396, kW/HP/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
Emission standard EU / USA		III / Tier 3	III / Tier 3
Drive			
Hydrostatic drive, front/rear		Hydr. motor/hydr. motor	Hydr. motor/hydr. motor
Speed, working gear	km/h	0-7,4	0-7,4
Speed, transportation gear	km/h	0-14,8	0-14,8
Climbing ability, vibration on/off	%	30/40	30/40

Vibration system
 Hydrostatic drive, All-wheel-steered tandem roller with two vibratory drums

Vibration			
Vibration frequency, front, I/II	Hz	42/50	42/50
Vibration frequency, rear, I/II	Hz	42/50	
Amplitude, front, I/II	mm	0,65/0,36	0,65/0,36
Amplitude, rear, I/II	mm	0,65/0,36	
Centrifugal force, front, I/II	kN	75/59	75/59
Centrifugal force, rear, I/II	kN	75/59	
Steering			
Steering, type		Pivoted steering	Pivoted steering
Steering, actuation		hydrostatic, steering wheel	hydrostatic, steering wheel
Steering angle +/-	°	39	39
Oscillation angle +/-	°	10	10
Brake system			
Service brake, mode		hydrostatic	hydrostatic
Service brake, actuation		Drive lever	Drive lever
Parking brake, mode		Spring-loaded/mechanical	Spring-loaded/mechanical
Parking brake, actuation		electr. a. autom.	electr. a. autom.
Emergency brake, mode		hydr./mech.	hydr./mech.
Emergency brake, actuation		Emergency stop	Emergency stop
Sprinkler system			
Water sprinkler, type		Pressure	Pressure
Actuation, sprinkling		interval/manual	interval/manual
Water tank, capacity		900	900
Additive sprinkling, type			Pressure
Actuation, additive sprinkling			Push button
Additive tank, capacity			22

Equipment
 Spring-mounted tiltable driver stand, 1 comfort seat, can be swivelled and rotated, 2 multifunction drive levers, Front and rear windscreen wiper, Indicator lights and emergency stop switch, 2 spotlights, rear, Lighting per German Road Traffic Regulations, Battery main switch, Triple oil filtering, Water level display, Speedometer, CE-ready, Vibration, switchable: front/rear/together, Hydraulic oil temperature display

Optional equipment
 ROPS panoramic cab, Dust-free ventilation, Sun visor, Crab steering to increase working width, Interior lighting, Exterior and interior mirrors, HCQ asphalt compression meter, Rotating beacon, ROPS/FOPS, Seat belt, Sound insulation, Sunroof, Edge pressing and cutting equipment, Radio, Sponge roller, Asphalt temperature display, Back-up alarm

Total length	L	4600	4600
Width	B	1810	1810
Total height	H	3040	3050
Wheel base	A	3400	3400
Roller drum width	X	1680/1680	1680
Drum diameter	D	1200/1200	1200
Width over tyres	Y		1620
Diameter of tyres	R		1030

