



DV 90 VV / DV 90 VO

DV 90 VV - All-wheel-steered tandem roller with two vibratory drums

DV 90 VO - All-wheel-steered tandem roller with vibratory and oscillating drum



- ▶ Seat automatically reverses in direction of travel
- ▶ Comfort seat, electrically adjustable and rotates more than 360°
- ▶ Spacious panoramic cabin providing good visibility and clear view of drums
- ▶ Precise adjustment of water sprinkler system
- ▶ Double-sided large maintenance doors and engine lowering system
- ▶ Steering wheel and drive lever with HI-DRIVE, indicator display with graphics display



DV 90 VW / DV 90 VO



DV 90 VW - All-wheel-steered tandem roller with two vibratory drums
DV 90 VO - All-wheel-steered tandem roller with vibratory and oscillating drum

		DV 90 VW	DV 90 VO
Weights			
Operating weight with cab	kg	9570	9665
Operating weight, max.	kg	12070	12160
Axle load, front/rear	kg	4845/4725	4980/4685
Static linear load, front/rear	kg/cm	28,8/28,1	29,6/27,9
French classific., data/class		22,9/VT1	23,5/VT1
Machine dimensions			
Max. working width	mm	2990	2990
Lateral overhang, left/right	mm	65/65	65/65
Ground clearance, left/right	mm	690/690	690/690
Ground clearance, centre	mm	310	310
Turning radius, inside	mm	2590	2590
Drum thickness, front/rear	mm	17/17	17/17
Diesel engine			
Manufacturer		DEUTZ	DEUTZ
Type		TCD 2012 L04 2V	TCD 2012 L04 2V
Number of cylinders		4	4
Power rat. ISO 14396, kW/PS/rpm		74,9/101,9/2400	74,9/101,9/2400
Power rating SAE J1349, kW/HP/rpm		74,9/100,4/2400	74,9/100,4/2400
Emissions standard EU/USA		III A / Tier 3	III A / Tier 3
Fuel tank, capacity	L	140	140
Drive			
Hydrostatic drive, front/rear		Hydr. motor/hydr. motor	Hydr. motor/hydr. motor
Regulation, infinitely variable		Hammtronic/manual	Hammtronic/manual
Speed, working gear	km/h	0 - 7,0	0 - 7,0
Speed, transportation gear	km/h	0 - 12,0	0 - 12,0
Climbing ability, vibration on/off	%	40/45	40/45

Vibration system
Hydrostatic drive. Oscillators or vibrators can be separately switched and controlled independently, front/rear, Automatic frequency control with digital display. Oscillation or vibration, switched manually and automatically., All-wheel-steered tandem roller with two vibratory drums

Vibration			
Vibration frequency, front, I/II	Hz	42/55	42/55
Vibration frequency, rear, I/II	Hz	42/55	
Amplitude, front, I/II	mm	0,63/0,41	0,63/0,41
Amplitude, rear, I/II	mm	0,63/0,41	
Centrifugal force, front, I/II	kN	84/94	84/94
Centrifugal force, rear, I/II	kN	84/94	
Oscillation			
Oscillation frequency, rear	Hz		39
Tangential amplitude, rear	mm		1,37
Oscillation force, rear	kN		144
Steering			
Steering, type		All-wheel, analogue	All-wheel, analogue
Steering, actuation		Joystick, hydrostatic	Joystick, hydrostatic
Steering angle +/-	°	25	25
Oscillation angle +/-	°	4	4
Sprinkler system			
Water sprinkler, type		Pressure	Pressure
Control system, infinitely variable		Hammtronic/manual	Hammtronic/manual
Water tank, capacity	L	825	825

Equipment
Spacious panoramic cab (ROPS/FOPS) providing clear visibility, Spring-mounted driver seat, Comfort seat, electrically adjustable and rotates more than 360°, Cab can be moved laterally to both sides, Hammtronic electronic machine management, Steering wheel and drive lever with HI-DRIVE, Graphics display and indicator display, Emergency stop switch, Sunblind, Front and rear windscreen wiper, Lighting per German Road Traffic Regulations, Drum lighting, Spotlights, front/rear, 4 working mirrors, Battery main switch, CE conformity

Optional equipment
Edge pressing and cutting equipment, Radio, HCQ asphalt compression meter, Grit spreader, Anti-freeze injection, Central lubrication system

Total length	L	4100	4100
Width	B	1820	1820
Total height	H	2980	2980
Wheel base	A	2900	2900
Roller drum width	X	1680/1680	1680/1680
Drum diameter	D	1200/1200	1200/1200
Height loading, min.	HI	2980	2980

