



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
- ▶ HI-DRIVE steering wheel or joystick steering, indicator display with graphics display
- ▶ Precise adjustment of water sprinkler system
- ▶ Double-sided large maintenance doors and engine lowering system



DV 90 W / DV 90 VO



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

	DV 90 W	DV 90 VO
Weights		
Operating weight	kg 9575	9410
Maximum weight	kg 12500	12500
Axle load, front/rear	kg 4870/4705	4860/4550
Static linear load, front/rear	kg/cm 29,0/28,0	28,9/27,1
Machine dimensions		
Max. working width	mm 2990	2990
Turning radius, inside	mm 2590	2590
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	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
Emission standard EU / USA	III / Tier 3	III / Tier 3
Drive		
Hydrostatic drive, front/rear	Hydr. motor/hydr. motor	Hydr. motor/hydr. motor
Regulation, infinitely variable	Hamtronic/manual	Hamtronic/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 0,62/0,41	0,63/0,41
Amplitude, rear, I/II	mm 0,62/0,41	
Centrifugal force, front, I/II	kN 84/94	84/94
Centrifugal force, rear, I/II	kN 84/94	
Oscillation		
Oscillation frequency, rear	Hz 39	39
Tangential amplitude, rear	mm 1,37	1,37
Oscillation force, rear	kN 144	144
Steering		
Steering, type	All-wheel, analogue	All-wheel, analogue
Steering, actuation	Joystick, hydrostatic	Joystick, hydrostatic
Steering angle +/-	° 25	25
Oscillation angle +/-	° 4	4
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
Control system, infinitely variable	Hamtronic/manual	Hamtronic/manual
Water tank, capacity	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, HI-DRIVE joystick steering, i-dot, indicator display with graphics display, Hamtronic electronic machine management, Graphics display and indicator display, Emergency stop switch, Sunblind, Front and rear windscreen wiper, Lighting per German Road Traffic Regulations, Spotlights, front/rear, 4 working mirrors, Battery main switch, CE conformity

Optional equipment
 Edge pressing and cutting equipment, Radio, Steering wheel, HCQ asphalt compression meter, Grit spreader, Drum lighting, Sound insulation

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

