



DV 90 TV / DV 90 TO

DV 90 TV - All-wheel-steered combi roller with vibratory drum

DV 90 TO - All-wheel-steered combination tandem roller with oscillation



- ▶ 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



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	DV 90 TV	DV 90 TO
Weights		
Operating weight	kg 8885	8735
Maximum weight	kg 12500	12500
Axle load, front/rear	kg 4185/4700	4185/4550
Load per tyre, front	kg 1046,25	1046,25
Static linear load, rear	kg/cm 28,0	27,1
Machine dimensions		
Max. working width	mm 2960	2960
Turning radius, inside	mm 2590	2590
Size of tyres, front	11.00-20	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	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	% 30/40	30/40

Vibration system
 Hydrostatic drive, Oscillators or vibrators can be separately switched and controlled independently, front/rear

Vibration		
Vibration frequency, rear, I/II	Hz	42/55
Amplitude, rear, I/II	mm	0,62/0,41
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
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
Additive sprinkling, type	Pressure	Pressure
Actuation, additive sprinkling	Push button	Push button
Additive tank, capacity	25	25

Equipment
 Spacious panoramic cab (ROPS/FOPS) providing clear visibility, Spring-mounted driver seat, Automatic frequency control with digital display, Cab can be moved laterally to both sides, Comfort seat, electrically adjustable and rotates more than 360°, 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

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
Drum diameter	D	1200	1200
Width over tyres	Y	1620	1620
Diameter of tyres	R	1030	1030

