

V O L V O

DD90



Seamless Results, Making Every Layer Count

Volvo Double Drum Compactor

Precision That Powers Progress

Volvo Construction Equipment



Your partner in perfect paving – Compaction

Compaction is not just about rolling — it's about achieving the right density for a durable road. The **DD90** gives you the control, comfort, and power to deliver exceptional results on every pass.

Performance that powers results



Efficient Power

The 55 kW Volvo Eicher Engine delivers power you can rely on — with added fuel savings.



Cleaner Emissions, Better Operations

Equipped with DOC+DPF technology, the DD90 meets environmental standards while maintaining performance.

Stay in control, stay efficient



Vibration-Resistant Seat

Reduces fatigue so operators can focus on precision.



Spacious Platform and Clear Visibility

Ensures comfort and safety throughout the shift.



Ergonomic Controls

Give operators complete control for smoother performance and improved results.



Safety at Every Step



Operator Presence Switch

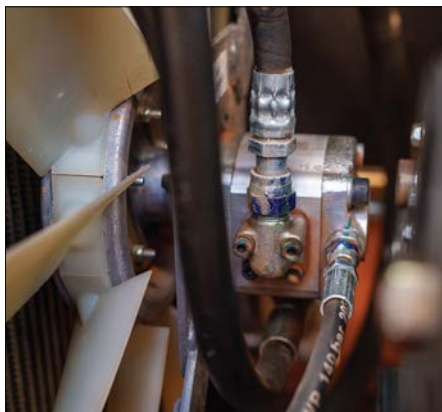
Enhances safety by automatically shutting down the engine after 5 sec, if the operator is absent.



Speed-Sensitive Auto Vibration

Prevents mat damage and ensures a smooth finish.

Features That Drive Results



Hydraulically Driven, Temperature-Dependent Variable Speed Fan

Lowers noise and saves fuel during cooling operation.

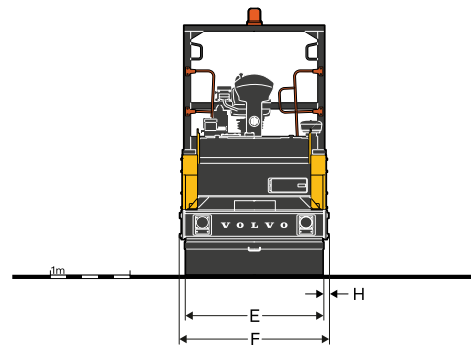
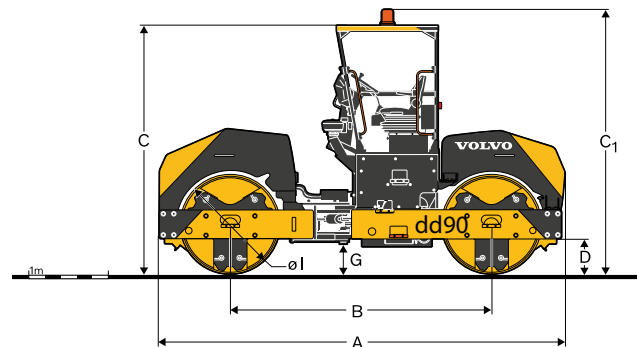


Impact Space Meter

Helps operator to monitor and adjust travel speed to maintain proper asphalt compaction by ensuring consistent and optimal impact spacing.

Specifications

Model			DD90D
Machine weights (with cab)			
Operating weight	kg	8700	
Max operating weight	kg	9100	
Weight @ front drum	kg	4220	
Weight @ rear drum	kg	4480	
Shipping weight	kg	8170	
Drums			
Width	mm	1676	
Diameter	mm	1219	
Shell thickness	mm	17	
Finish	mm	machined surface; chamfered and radiused edges	
Vibration 2 Amplitudes			
Frequency	Hz	50 Hz / 36 Hz	
Amplitude (High/Low)	mm	1.0 mm / 0.36 mm	
Centrifugal force (High/Low)	kN	79 kN / 54 kN	
Propulsion			
Type	closed-loop hydrostatic, parallel circuit to both drums		
Drum drive	2-speed axial piston motors with gear drive		
Travel speed	high	km/h	0 - 12
Travel speed	low	km/h	0 - 7
Gradeability (theoretical)	%	30	
Engine			
Make / model	VECV, E483 CEV Stage-V		
Engine type	Turbo charged water cooled		
Rated power @ installed speed	kW	55kW @ 2200 rpm	
Electrical	12 V DC, 90 A alternator		
Brakes			
Service	Dynamic hydrostatic through propulsion system		
Parking secondary	SAHR on both drum drives		
Water system			
Type	Pressure spray drum wetting system with LDPE water tank		
Pumps	Two water pumps- One for each drum		
Spray Bars	One spray bar for each drum		
Nozzles	Hand-serviceable spray nozzles, 6 per spray bar		
Filtration	Filter baskets in fill necks, primary filter at each pump, fine filter for each nozzle		
Drum wipers	Rubber wipers for each drum		
Water tank capacity	700L		
Steering			
Type	Articulated frame center pivot steering		
Outside turning radius	mm	7285	
Inside turning radius	mm	5605	
Articulation angle	°	30	
Oscillation angle	°	10	
Fluid Capacities			
Fuel tank capacity	180L		
Hydraulic oil capacity	80L		
Sound Level			
Sound power L(WA), guaranteed	dB(A) 108		



DIMENSIONS

A	Overall length	mm	4970
B	Drum base	mm	3195
C	Overall height (top of cab)	mm	3070
C ₁	Overall height (top of beacon)	mm	3240
D	Curb clearance	mm	430
E	Drum width	mm	1676
F	Overall width	mm	1835
G	Ground clearance	mm	305
H	Side Clearance	mm	72
I (Φ)	Drum Diameter	mm	1219

Equipment

STANDARD EQUIPMENT

Engine

Battery disconnect switch

Operator environment

Operator seat, steering wheel and main controls: lateral sliding

Propulsion control lever

1 charger socket USB 5V

Roll over protective structure (ROPS)

Storage compartments

Easy to clean anti slip cab floor

Suspension Seat with Operator presence switch

2" Seat Belt

1x1 m Visibility

Vibration and drum system

Auto vibration

Selectable vibration: front, rear, both

2 frequencies, 2 amplitudes

Auto Water Spray with flow Control

Electrics and electronics

4.3" LCD Colour Display

2 cab mounted worklights, REAR

Road light

Emergency stop button

Back-up alarm

Fuel level with Sensor

Real time Vehicle Speed

OPTIONAL EQUIPMENT

Electrics and electronics

Strobe Lamp

Attachments

Nylon scraper option

Not all products are available in all markets. Under our policy of continuous improvement, we reserve the right to change specifications and design without prior notice. The illustrations do not necessarily show the standard version of the machine.

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