

V O L V O



# SEAMLESS RESULTS, MAKING EVERY LAYER COUNT

Volvo DD90 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**

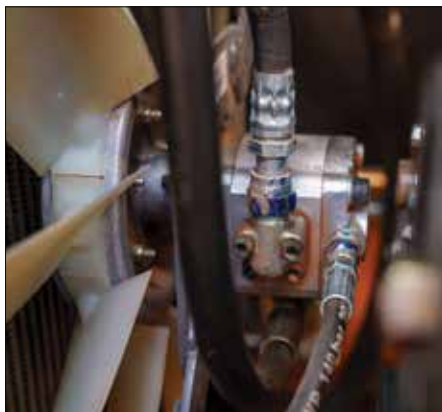
Enhances safety by automatically shutting down the engine after 5 sec, if the operator is absent.



**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

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	

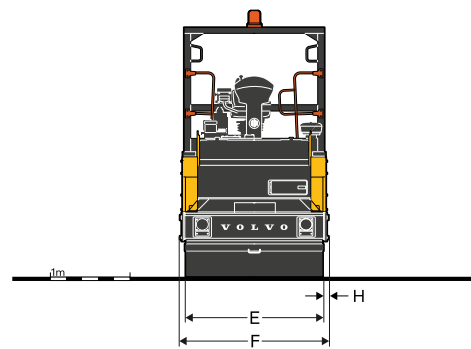
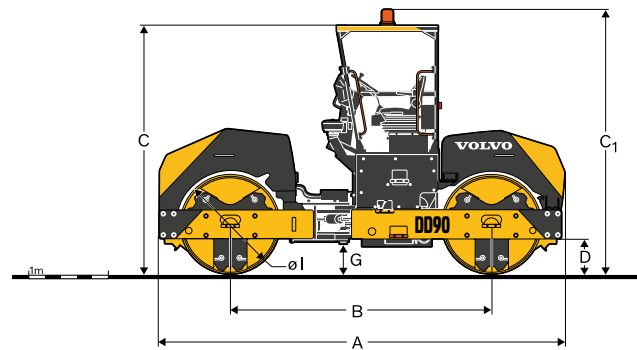
Brakes		
Service	Dynamic hydrostatic through propulsion system	
Parking secondary	SAHR on both drum drives	

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 <sub>1</sub>	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

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## STANDARD EQUIPMENT

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### 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

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## OPTIONAL EQUIPMENT

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### Electrics and electronics

Strobe Lamp

### Attachments

Nylon scraper option