



Volvo Construction Equipment

# DD90B

Volvo Double Drum Compactors 8.5 t 56 kW



# A passion for performance

At Volvo Construction Equipment, we're not just coming along for the ride. Developing products and services that raise productivity – we are confident we can lower costs and increase profits for industry experts. Part of the Volvo Group, we are passionate about innovative solutions to help you work smarter – not harder.

## Helping you to do more

Doing more with less is a trademark of Volvo Construction Equipment. High productivity has long been married to low energy consumption, ease of use and durability. When it comes to lowering life-cycle costs, Volvo is in a class of its own.

## Designed to fit your needs

There is a lot riding on creating solutions that are suited to the particular needs of different industry applications. Innovation often involves high technology – but it doesn't always have to. Some of our best ideas have been simple, based on a clear and deep understanding of our customers' working lives.



## You learn a lot in 180 years

Over the years, Volvo has advanced solutions that have revolutionized the use of construction equipment. No other name speaks Safety louder than Volvo. Protecting operators, those around them and minimizing our environmental impact are traditional values that continue to shape our product design philosophy.

## We're on your side

We back the Volvo brand with the best people. Volvo is truly a global enterprise, one that is on standby to support customers quickly and efficiently – wherever they are.

## We have a passion for performance.



Volvo Trucks



Renault Trucks



Mack Trucks



UD Trucks



Volvo Buses



Volvo Construction Equipment



Volvo Penta



Volvo Financial Services

# Quality compaction as standard

From roadways to airport runways, you can rely on the 9-tonne DD90B to deliver a smooth, high quality mat in fewer passes. Built on decades of experience in the Indian market, the asphalt compactor meets the Ministry of Road Transport and Highways specification guideline and is packed with productivity-enhancing features. Experience unbeatable fuel-efficiency and a powerful performance for ultimate uptime and profitability of your business.

## Keep it smooth

Rely on the DD90B to boost uptime and reduce operating costs. The large LDPE water tank is puncture, crack and warp resistant and together with the automatic drum wetting system, extends refill intervals. Independent front and rear rustproof systems include a primary pump for each drum, spray bars, nozzles and springloaded drum wipers. Even if one pump fails, the second one can support to ensure continued operation.



## A clear view

From the operator platform positioned high over the sloping hood design, the forward view and adjustable seat offers a commanding view of the jobsite, as well as a clear view of the drum edges and full width of the drum. Boasting all around visibility, the DD90B enables you to roll worry free and with precision, delivering an unobstructed view at every angle for maximum jobsite safety.



## Built in India, for India

The DD90B is engineered specifically for flexible pavement compaction applications in India. Having acquired Ingersoll Rand (IR) in 2007, Volvo utilizes the extensive knowledge and experience gathered over decades in the Indian market. The next generation DD90B and PT220 pneumatic compactor work together with our ABG pavers to place and compact flexible pavements capable of accommodating traffic volumes in India.



## 1x1 meter visibility

Floor to ceiling, 360° visibility provides maximum safety. The machine's frame and hood have been designed to provide a superior view with 1x1 meter visibility from the operator's seat.





# A FLAWLESS FINISH

Achieve a flawless mat finish with the DD90B, equipped with drums, which are precisely rolled and machined to full width concentricity. The drum's profile reduces edge marks and the need for finishing rolling operations, while automatic vibration start prevents pavement surface damage. Boost productivity with dual frequencies and dual amplitudes, which adjust machine performance to a wider range of applications.

# Primed for performance

## Service network

To respond to your needs faster, a Volvo expert can make a quick visit to your job site from one of our Volvo facilities.

## Isolated operator's platform

The operator's platform is rubber isolated to reduce the effect machine vibrations have on the operator. Decreases fatigue for greater operator comfort, safety and prolonged productivity.

## Call on Volvo 24/7

Day or night, we're on call to help you optimize machine uptime. Simply phone Volvo's support network at 1 800 108 6586 for expert advice.

## 1x1 meter visibility

The machine's frame and hood provide a superior view with 1x1 meter visibility from the operator's seat.

## A FLAWLESS FINISH

Ensure quality compaction thanks to the drums' design, automatic vibration start, dual amplitudes and dual frequencies.

## Keep it smooth

Extend the intervals between refills and maximize uptime with Volvo's automatic drum wetting system and large water tank.





**A clear view**

Enhance jobsite security with all around visibility and clear sightlines of the drum and spray bars.

**DURABLE DAMAGE RESISTANCE**

Rely on a long service life and sustained uptime with the durably designed DD90B, built with Volvo proven components.

**Built in India, for India**

Rely on Volvo's engineering excellence and experience in the Indian market to help protect your business and profits.

**Operator safety**

The DD90B offers standard heavy duty sunshade, operator seat belt, operator presence switch on seat, as well as ergonomically designed handrails and steps to aid ingress and egress.

**Customer Support Agreements**

Control service costs with our range of Customer Support Agreements, designed to increase uptime and profitability.

**Highest quality from every part**

Genuine Volvo Parts are rigorously tested and approved to ensure the highest quality for ultimate uptime and performance.



# DURABLE DAMAGE RESISTANCE

Rely on a long service life with the abrasion-resistant cold-rolled steel plate drum and semi-automatic special purpose machine-welded seams, offering superb durability. When set to high frequency, the eccentric in the lead drum rotates in the direction of travel, reducing the pushing and shoving of pavement.

# Adding value to your business

Being a Volvo customer means having a complete set of services at your fingertips. Volvo can offer you a long-term partnership, protect your revenue and provide a full range of customer solutions using high quality parts, delivered by passionate people. Volvo is committed to the positive return of your investment.

## Call on Volvo 24/7

Rely on Volvo to give you the peace of mind you need ensure the highest performance and uptime from your Volvo machine. Customers have direct access to the Volvo dealer support network – day or night. Simply telephone the support number, which identifies the call and transfers it to the local dealership where a dedicated team will take care of your individual needs.



## Service network

In order to respond to your needs faster, a Volvo expert can make a quick visit to your jobsite from one of our Volvo facilities. With our extensive infrastructure of technicians, workshops and dealers, Volvo has a comprehensive network to fully support you, combining local knowledge with global experience.



## Highest quality from every part

Our attention to detail is what makes us stand out. This proven concept acts as a solid investment in your machine's future. Parts are extensively tested and approved because every part is vital for uptime and performance. Only by using Genuine Volvo Parts can you be sure that your machine retains the renowned Volvo quality.



## Customer Support Agreements

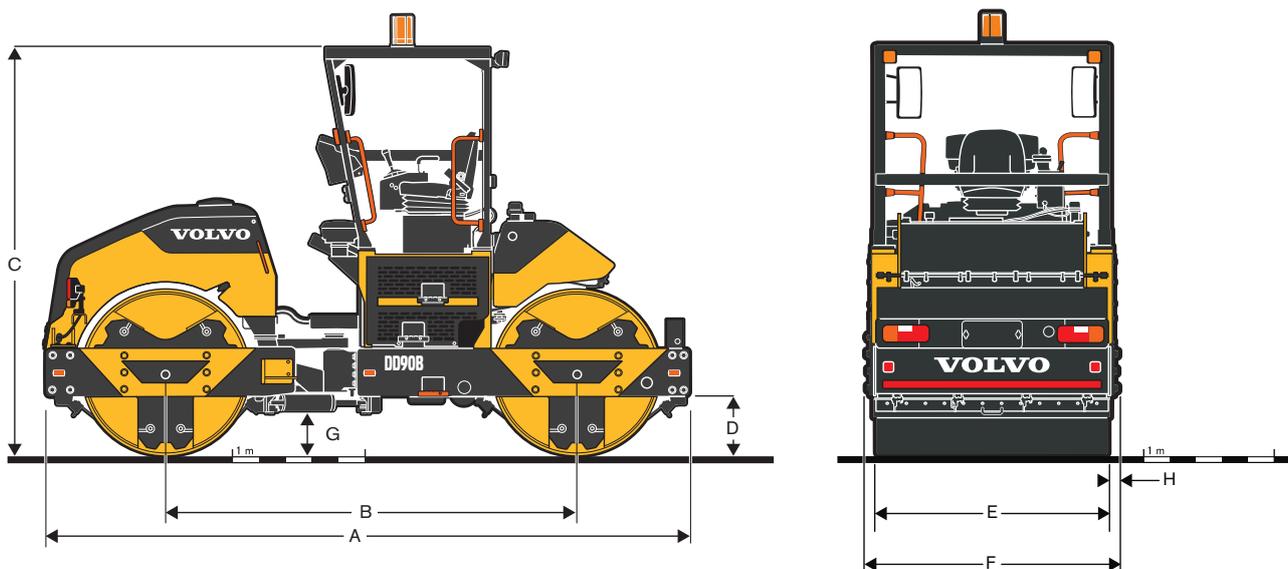
The range of Customer Support Agreements offers preventive maintenance, total repairs and a number of uptime services. Volvo uses the latest technology to monitor machine operation and status, giving you advice to increase your profitability. By having a Customer Support Agreement, you are in control of your service costs.



# Volvo DD90B in detail

<b>Machine weights (with cab)</b>			
Operating weight <sup>1</sup>	kg		8 550
Max operating weight	kg		9 010
Weight @ front drum	kg		4 400
Weight @ rear drum	kg		4 150
Shipping weight	kg		8 056
<b>Drums</b>			
Width	mm		1 675
Diameter	mm		1 219
Shell thickness	mm		19
Finish			machined surface; chamfered and radiused edges
<b>Vibration 2 Amplitudes</b>			
Frequency	Hz		50/36
Amplitude	mm		0.36/1.0
Centrifugal force	kN		54/79
<b>Propulsion</b>			
Type			closed-loop hydrostatic, parallel circuit to both drums
Drum drive			2-speed axial piston motors with planetary gear drive
Travel speed	high	km/h	0 - 13
Travel speed	low	km/h	0 - 7
Gradeability (theoretical)		%	26
<b>Engine</b>			
Make / model			Kirloskar 4R1040TC BS -III (CEV)
Engine type			Turbo charged water cooled
Rated power @ installed speed		kW	56 @ 2 200 rpm
Electrical			12 V DC, 65 A alternator
<b>Brakes</b>			
Service			Dynamic hydrostatic through propulsion system
Parking secondary			SAHR on both drum drives
<b>Water system</b>			
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		l	800
<b>Steering</b>			
Type			Articulated frame center pivot steering
Outside turning radius		mm	6 890
Inside turning radius		mm	4 910
Articulation angle		Deg	30
Oscillation angle		Deg	10
<b>Fluid Capacities</b>			
Fuel tank capacity		l	145
Hydraulic oil capacity		l	85

<sup>1</sup> As per CECE



#### Dimensions

A	Overall length	mm	4 700
B	Drum base	mm	3 000
C	Overall height (top of cab)	mm	3 000
D	Curb clearance	mm	430
E	Drum width	mm	1 675
F	Overall width	mm	1 835
G	Ground clearance	mm	305
H	Side Clearance	mm	80

# Equipment

#### STANDARD EQUIPMENT

##### Engine

Battery disconnect switch

##### Operator environment

Operator seat, steering wheel and main controls: lateral sliding

Propulsion control lever

1 charger sockets 12V

Heavy Duty Sun Roof

Storage compartments

Easy to clean anti slip cab floor

Seat switch with timer delay

2" Seat Belt

Interior light

##### Vibration and drum system

Auto vibration

Selectable vibration: front, rear, both

2 frequencies, 2 amplitudes

##### Electrics and electronics

2 cab mounted worklights, REAR

Road light

Emergency stop button

Back-up alarm

#### OPTIONAL EQUIPMENT

##### Electrics and electronics

Rotating Beacon

##### Attachments

Nylon scraper option

Edge cutter and edge compactor

Inside scraper option for each drum

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.

**VOLVO**

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[www.volvoce.com](http://www.volvoce.com)