

V O L V O



Volvo Single Drum Compactors 11.1 t 74 kW

SD110C, SD110C_D

Volvo Construction Equipment



Welcome to our world

Welcome to a world of industry leading machinery. A world where imagination, hard work and technological innovation will lead the way towards developing a future which is cleaner, smarter, and more connected. A world supported by the enduring values of the Volvo Group. A world of stability, sustainability and innovation. A world which we put our customers at the heart of.

Welcome to the world of Volvo Construction Equipment – we think you're going to like it here.

The road to success

Our range of road machinery combines the heritage of the Ingersoll Rand and ABG brands with the engineering excellence of Volvo. The result is a line-up of Volvo pavers and compactors which achieve an unrivalled level of quality, in both paving and compaction applications.

Building on our proud history, we continue to innovate our products to offer customers the best solutions for their operation. Our Compact Assist and Pave Assist products are just two examples of how we are developing intelligent solutions to ensure our machines deliver world-class performance and results long into the future.



Solutions for you

Our industry leading machines are just the start of your relationship with Volvo. As your partner, we have developed an extensive range of additional solutions to help you improve uptime, boost productivity and reduce costs.

Designed for your business

Structured across nine blocks, our portfolio of products and services are designed to complement your machine's performance and boost your profitability. Simply put, we offer some of the best guarantees, warranties and technological solutions in the industry today.

There when you need us

Whether you're buying new or used, our global network of dealers and technicians offer around-the-clock support, including machine monitoring and world-class parts availability. It's the basis of everything offered by Volvo Services, so you can be confident we've got you covered right from the start.



BUILDING TOMORROW

Compact it all

Get ready for the next level in compaction performance with the SD110C/SD110Cd. Replacing the proven SD110B, this new single drum compactor from Volvo offers the flexibility to adapt to any application. Optimized for productivity, the SD110C/SD110Cd is designed to deliver maximum success and profitability to your projects.

Adapt to the job

Boost productivity in the versatile SD110C/SD110Cd, ready to take on a variety of projects and applications. Variable frequency range from 0 to 30hz enables to adapt to different types of soil, along with high/low amplitude for different material bed thickness.



Agile stability

The well-balanced and stable machine maintains confident contact between the drum and tires and the material surface. Highly maneuverable with +/- 40° of articulation and +/- 17° of oscillation, the result is fast and effective compaction, even on uneven terrain.



Superb traction

Take on steep inclines and slippery surfaces with ease in the SD110C/SD110Cd. The traction system delivers optimum gradeability and prevents tire spin.

Take gradeability up to 50

The SD110Cd model variant features an additional drive motor mounted on the drum frame. This increases traction, enabling the machine to comfortably climb slopes up to 50%, making it the perfect choice for working on steep inclines and in poor under wheel conditions.





DO MORE IN LESS TIME

Achieve material target density in fewer passes in the SD110C/SD110Cd, combining a heavy drum with the highest centrifugal force in its class.

Unlock your productivity

Purpose-built for the Indian market and featuring a VECV engine, the SD110C/SD110Cd delivers outstanding levels of performance and efficiency, while also meeting the latest emissions standards. Packed with features to support a comfortable and productive operation, this machine is the perfect choice for customers looking to reduce both their environmental impact and operating costs.

Comfortable operation

Achieve maximum results with a range of comfort enhancing features including adjustable seat, two armrests, footrest and generous amounts of space. The controls are easy to reach and include a propulsion control lever for enhanced precision and control. A heavy-duty steel sunshade protects operators against the elements and in the unlikely event of a machine roll-over. The top half of the sunshade can be easily removed for transportation.



Ultimate efficiency

Delivering the ultimate in fuel efficiency and controllability, the highly responsive SD110C/SD110Cd features an optimized hydraulic system designed to work in harmony with the new VECV engine. Fuel efficiency is boosted further by the vibration system which helps to quickly achieve optimum density.



Powered to perform

The fuel efficient and reliable VECV engine helps to secure the highest levels of performance and a low cost of operation. Both the engine and machine can be serviced by your Volvo dealer, providing a one-stop-shop maintenance solution for further convenience and reduced downtime.



Made in India, for India

Based on decades of experience supplying high performing machines to the Indian market, the SD110C/SD110Cd has been designed specifically for compaction applications in India.





TAKE CONTROL

Unlock the full potential of your machine with the new 4.3" display. Available information via the display includes trip meter, total working hours, engine rpm and high coolant temperature indicator. Service notifications as well as information regarding battery condition and DEF/fuel levels help to maximize uptime.

Work harder for longer

With the highest levels of Volvo quality built into every component, the SD110C/SD110Cb is a reliable and durable machine designed to work harder for longer, helping you achieve maximum return on your investment. Machine quality and ease of servicing are complemented by an extensive range of dealer support tools and Volvo Services to keep your machine working at its best.

Round the clock support

Get your machine back to work without delay with 24/7 access to the Volvo dealer support network. Simply call the support number, which will automatically direct you to your local dealership, where a dedicated team will take care of your individual needs.



Retain Volvo quality

Only by using Genuine Volvo Parts can you be sure that your machine retains its renowned Volvo quality. Every part is vital for uptime and Genuine Volvo Parts are extensively tested and approved to provide the same levels of component quality as the day you bought your machine.



Plan for success

Including preventive maintenance and total repairs, with a Customer Support Agreement you are in control of your service costs. Customer Support Agreements are part of an extensive portfolio of Volvo Services designed to help you get the maximum return on your Volvo machine from purchase to disposal.





BUILT TO LAST

Experience the ultimate in reliability and uninterrupted productivity with a robust drum assembly. Designed and built by Volvo, you can count on the highest standards of component quality in the SD110C/SD110Cd, including strong center joint and wide front bumper, including semi-automatic special purpose machine-welded seams. The durably designed eccentric assembly further contributes to a long service life.

Compact your costs

Operate with ease

- 4.3" display: effective work and service management
- Easy-to-reach controls, including propulsion control lever
- Adjustable seat
- Armrests and footrest
- Spacious operator platform
- Heavy-duty sunshade with removable top half for ease of transportation

Work harder for longer

- Durable design for long-lasting performance
- Proven engine, serviced by your Volvo dealership
- Easily accessed service points
- Call on Volvo 24/7
- Genuine Volvo Parts
- Customer Support Agreements

Built for productivity

- Highest centrifugal force in its class
- Dual amplitude for varied frequency choices
- Excellent traction capabilities
- Well-balanced and highly maneuverable
- +/- 40° of articulation +/- 17° of oscillation center joint
- Powerful and fuel efficient engine
- Drum drive (SD110Cd): climb slopes up to 50%
- Padfoot shell kit (SD110Cd - Option)

Made in India, for India

Specifically tailored for compaction applications in India.

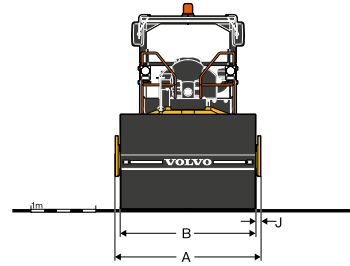
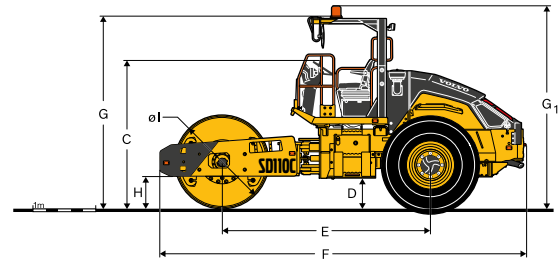


Specifications

Model		SD110C	SD110Cd
Drum Type		Smooth	
Machine Weights			
Operating Weight (CECE)	kg	11 100	11 200
Static Weight @ Drum	kg	6 100	6 300
Static Weight @ Tyres	kg	5 000	4 900
Shipping Weight	kg	10 895	11 029
Drum			
Width	mm	2 134	
Diameter	mm	1 500	
Shell Thickness	mm	25	
Vibration			
Frequency	Hz	0 - 30	
Centrifugal Force	High Amp	kN	243
	Low Amp	kN	130
Nominal Amplitude	High Amp	mm	1.9
	Low Amp	mm	1.0
Propulsion			
Type		Hydrostatic	
Tires		23.1-26 R3 8PR TL	
Drum drive		Single speed motor with planetary gear drive	
Travel Speed			
High	km/h	0-12	
Low	km/h	0-6	0-5
Engine			
Make / Model		VECV EE494 TCI-HPCR Bharat StageIV CEV	
Engine Type		Turbo charged Inter cooled	
Rated Power @ 2 200 r/min	kW	74	
Electrical System			
Voltage (Negative ground)	Volt	12	
Alternator	Ah	110	
Batteries	CCA	750 CCA	
Brakes			
Service		Hydrostatic	
Parking / Secondary		Spring-applied, hydraulically released on axle	Spring-applied, hydraulically released on axle and drum
Miscellaneous			
Articulation Angle (Plus/Minus)	°	40	
Oscillation Angle(Plus/Minus)	°	17	
Inside turning radius	mm	3 850	
Fuel Capacity	l	196	
Hydraulic Oil Capacity	l	70	
Gradeability (theoretical)	%	28	50

STANDARD EQUIPMENT

	SD110C	SD110Cd
Engine		
Battery disconnect switch	•	•
Propulsion		
Drum drive	-	•
Operator environment		
Operator seat, steering wheel and main controls	•	•
Propulsion control lever	•	•
1 charger socket USB 5V	•	•
Heavy Duty Sun Roof	•	•
Storage compartments	•	•
Easy to clean anti slip cab floor	•	•
Seat with Operator presence switch	•	•
2 nd Seat Belt	•	•
Interior light	•	•
1x1.2m Visibility	•	•
Vibration and drum system		
Variable Frequency 0 to 30 Hz, 2 Amplitudes	•	•
Electrics and electronics		
4.3 rd LCD Colour Display	•	•
2 cab mounted worklights, Rear	•	•
Road light	•	•
Emergency stop button	•	•
Back-up alarm	•	•
Fuel level with Sensor	•	•



DIMENSIONS - SD110C, SD110Cd

Dimension	Description	Unit	Value
A	Overall width	mm	2 340
B	Drum width	mm	2 134
C	Steering wheel height	mm	2 373
D	Ground clearance	mm	472
E	Wheel base	mm	3 343
F	Overall length	mm	5 875
G	Overall height (top of cab)	mm	3 080
G ₁	Overall height (top of beacon)	mm	3 250
H	Curb clearance	mm	510
I (Φ)	Drum Diameter	mm	1 500
J	Side clearance	mm	103

OPTIONAL EQUIPMENT

	SD110C	SD110Cd
Electrics and electronics		
Strobe Lamp	•	•
Other		
No-Spin Axle	•	•
Compaction Gauge	•	•
High Amplitude Eccentric	•	•
Tool Kit	•	•
Hydraulic Test Kit	•	•
Cold start kit	•	•
Foldable sunshade	•	•
Bolt-on padfoot shell kit	-	•

SELECTION OF VOLVO OPTIONAL EQUIPMENT

Bolt-on padfoot shell kit (SD110Cd)



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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