



Volvo Construction Equipment

SD110BA

Volvo Single Drum Compactors 11.0 t 77 kW



Powerful performance

Get the energy, reliability and strength you need, whenever you need it in the SD110BA single drum compactor. Featuring a range of advanced technology, the SD110BA has the flexibility to adapt to any application, however arduous, delivering an efficient, powerful performance you can count on.

Versatile performance

Optimize productivity and performance with the versatile SD110BA, featuring infinite frequency choices and dual amplitudes, giving you the flexibility to adjust the drum's dynamic force based on the type of material and depth. Easily adjust the vibration frequency and amplitude from the operator console for greater precision and superior results.



Excellent traction and climbing

Access hard to reach areas of the jobsite with ease and improve productivity with the fully-integrated traction system of the SD110BA, providing superb climbing and traction capabilities in difficult applications. Whether scaling steep inclines, slippery surfaces or loading and unloading trucks, the state-of-the-art system prevents tire spin, improving safety and performance.



Secure stability

Experience solid stability in challenging environments in the SD110BA, featuring a center joint with $\pm 40^\circ$ of articulation and $\pm 17^\circ$ of oscillation. Operate adverse terrain in the well balanced machine, featuring a high degree of oscillation, which improves maneuverability, productivity and operator safety. By maintaining continuous drum contact with the ground, the powerful compactor ensures superb compaction.



Do more in less time

Boost the profitability of your operation with the highly productive SD110BA compactor, built to get the job done in less time. With the highest centrifugal force in its class, you can count on the SD110BA to deliver unmatched performance, ease of operation and productivity.





MORE WORK, FEWER PASSES

Achieve material target density in fewer passes with the SD110BA. Built for power and productivity, this compactor combines dynamic forces and a heavy drum weight to produce the energy necessary for excellent compaction and high machine productivity.



COMFORTABLY PRODUCTIVE

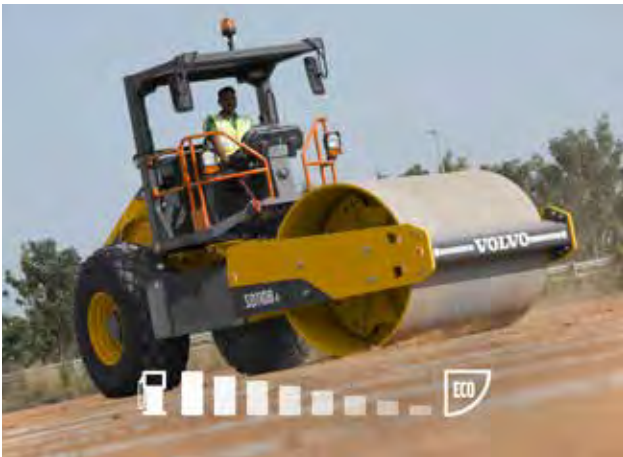
Enhance operator productivity with a comfortable work environment. The new hood design and air filter location provide greater visibility of the jobsite, while the conveniently located footrest and wide canopy design offer unmatched comfort, enabling the operator to work long shifts without becoming fatigued. For added versatility, the heavy-duty canopy can be easily removed for transportation.

Quality compaction as standard

Experience serious compaction and increased versatility in the SD110BA, built for power and productivity with optimum fuel efficiency and emission compliance – making it an ideal choice for customers looking to limit both environmental impact and operating costs. Even though its built to work hard, the compactor is packed full of state-of-the-art features designed to make the job easier, safer and more comfortable, no matter the task.

More power, greater efficiency

Improve fuel efficiency and controllability with the highly responsive SD110BA, featuring an optimized hydraulics system that works in harmony with the BS-III compliant engine, providing a smooth, efficient and effective use of energy for maximum productivity. To further increase fuel efficiency, the intelligently designed vibration system offers quicker ramp-up speeds.



Operate with ease

Compact confidently in the exceptionally efficient SD110BA, designed for ease of operation and packed with productivity-enhancing features including easy-to-reach controls, adjustable seat, ample toolbox storage, and heavyduty detachable sunshade. Even in challenging conditions, you can count on a smooth ride in the SD110BA, featuring a propulsion control lever with integrated vibration activation for precise speed control.



Efficiently cool

Count on the SD110BA to keep cool while operating in extreme temperatures and altitudes. The cleverly designed engine compartment and hood provide ample space for continuous air circulation, allowing the engine to cool effectively, even when working at high ambient temperatures.



Built in India, for India

The SD110BA is engineered specifically for 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 SD110BA is another in the line of paving and compaction equipment, designed and manufactured to place and compact granular soils, aggregate base materials and flexible pavements capable of accommodating traffic volumes in India.



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.





DURABLE BY DESIGN

Achieve nonstop production with the robust SD110BA, featuring a durably designed eccentric assembly, ensuring a long service life. Take on tough jobs in the SD110BA, built on high quality components, including a strong center joint, wider front bumper and abrasion-resistant cold-rolled steel plate drum, including semi-automatic special purpose machine-welded seams.

Peak performance

Operate with ease

Operate with ease with grouped controls, comfortable seat, heavy-duty detachable sunshade and toolbox storage.

Built in India, for India

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

DURABLE BY DESIGN

Rely on a long service life and sustained uptime with the durably designed SD110BA, built with high quality components.

More power, greater efficiency

Improve fuel efficiency with the optimized hydraulics system, providing the right level of power for your operation.

Highest quality from every part

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

Efficiently cool

The cooling fan draws reduced power from the engine. Heat exchangers for hydraulic oil and engine coolant and chargeair are optimized for operation at high ambient temperatures.





COMFORTABLY PRODUCTIVE

Work long shifts without becoming fatigued with greater visibility, conveniently located footrest and detachable canopy.

Call on Volvo 24/7

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

Do more in less time

Boasting the highest centrifugal force in its class, the SD110BA delivers unmatched performance and ease of operation.

Excellent traction and climbing

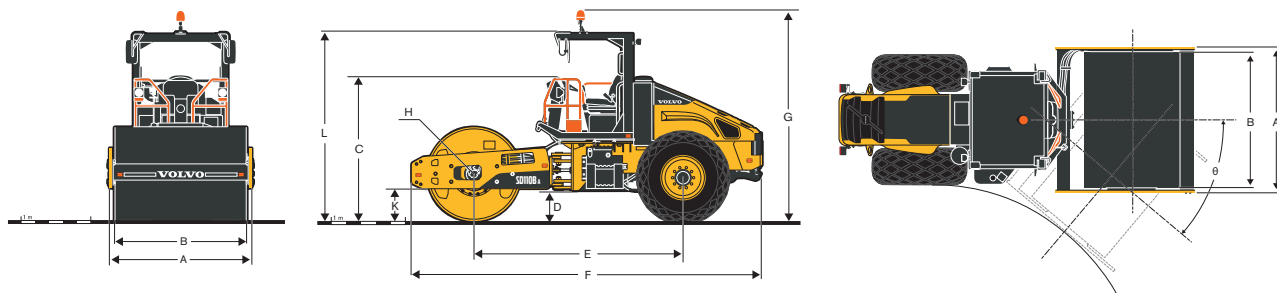
The Volvo traction system provides excellent traction on steep inclines, slippery surfaces and when loading for transport.

MORE WORK, FEWER PASSES

Achieve target density with dynamic drum forces and a heavy drum weight, so you can do more work in fewer passes.

Specifications

Model		SD110BA
Drum Type		Smooth
Machine Weights		
Operating Weight (CECE) Folding OROPS w/ Sunroof	kg	11 000
Static Weight @ Drum	kg	6 100
Static Weight @ Tyres	kg	4 900
Shipping Weight	kg	10 889
Drum		
Width	mm	2 134
Diameter	mm	1 500
Shell Thickness	mm	25
Vibration		
Frequency	Hz	0 - 30
Centrifugal Force	High Amp	kN 245
	Low Amp	kN 190
Nominal Amplitude	High Amp	mm 1.9
	Low Amp	mm 1.5
Propulsion		
Type		Hydrostatic
Tires		23.1-26 R3 8PR TL
Travel Speed		
High	km/h	0-12
Low	km/h	0-6
Engine		
Make / Model		KOEL 4R 1040 TA3
Engine Type		Turbo charged Inter cooled
Rated Power @ 2 200 r/min	kW	77
Electrical System		
Voltage (Negative ground)	Volt	12
Alternator	Ah	65
Batteries	CCA	750 CCA
Brakes		
Service		Hydrostatic
Parking / Secondary		Spring-applied, hydraulically released on axle
Miscellaneous		
Articulation Angle (Plus/Minus)	°	40
Oscillation Angle(Plus/Minus)	°	17
Inside turning radius	mm	3 587
Fuel Capacity	l	196
Hydraulic Oil Capacity	l	70
Gradeability (theoretical)	%	28



DIMENSIONS

		Smooth drum
A	mm	2 345
B	mm	2 134
C	mm	2 320
D	mm	472
E	mm	3 342
F	mm	5 600
G (beacon is optional)	mm	3 240
H (Φ)	mm	1 500
K	mm	510
L	mm	3 026
θ	°	40

Equipment

SELECTION OF VOLVO OPTIONAL EQUIPMENT

Beacon light



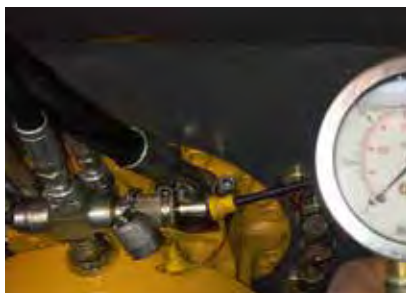
Vandal cover



Sound absorber foam



Hydraulic test kit



No-spin differential



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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www.volvocce.com