



# SD110

Volvo Single Drum Compactors, SD110 New Edition 10.9-12.0 t 99 kW



## Packed with benefits

### A clear view

The operator benefits from a 1m x 1m visibility. Mirrors on the left and right sides of the ROPS canopy further enhances visibility along each side. The result is increased safety and productivity.

### Ergonomic operator controls

The new operator control panel offers propulsion and vibration controls conveniently located on the operator's right-hand side.

### Easy platform access

Anti-slip steps and bright handrails support safe and easy entrance and exit to the machine in low-light conditions.

### ROPS canopy

Protects the operator in the event of machine roll over.

### Powerful Volvo engine

Designed to reduce emissions and increase fuel efficiency, the Volvo engine ensures you have the optimum level of power for your operation.

### The perfect balance

Weight is balanced at the drum and tires, leading to enhanced traction.

### Superior drum performance

Optimized centrifugal forces, dual drum amplitude with auto/manual mode selection and fixed vibration frequency match drum performance to the application.

### Dual drum amplitude

The operator can select between high or low amplitude, according to the required application or material depth.

### Two-speed transmission

Hydrostatic transmission features axle drive plus two-speed drum drive for optimum performance in both working and transport speed ranges.

### No-spin axle

Heavy-duty, no-spin differential axle restricts the two wheels to the same rotational speed, providing increased traction and gradeability.

### Stable maneuvering

Articulation joint provides +/- 17° oscillation angle and frame articulation of +/- 40°, for greater stability and maneuverability.

### Ground-level maintenance

Hood opening and closing from the ground level allows routine maintenance and inspections to be easily completed.

# Specifications

<b>Model</b>	<b>SD110</b>	
<b>Drum Type</b>	<b>Drum drive with standard eccentric</b>	
<b>Machine Weights</b>		
Operating Weight (CECE)	kg	11 212
Static Weight @ Drum	kg	6 240
Static Weight @ Tires	kg	4 972
Shipping Weight	kg	10 963
<b>Drum</b>		
Width	mm	2 134
Diameter	mm	1 500
Shell Thickness	mm	25
<b>Vibration</b>		<b>Dual Amplitude Eccentric</b>
Frequency	Hz	30
Centrifugal Force	High kN	242
	Low kN	130
Nominal Amplitude	High mm	1.9
	Low mm	1.0
<b>Propulsion</b>		
Type System	Hydrostatic, single-speed motor on planetary axle with No-Spin (R) differential and 2-speed drum drive motor	
Tire Size	587 x 660 (23.1-26 R3 8PR TL)	
Drum Drive	2-speed motor into planetary gear reduction	
<b>Travel Speed</b>		
High	km/h	0 – 13
Low	km/h	0 – 9
<b>Engine</b>		
Make & Model	Volvo D5D GAE3	
Engine Type	Turbocharged and Liquid cooled 4-cylinder	
Rated Power @ 2 200 Speed	kW	99
<b>Electrical System</b>		
DC, negative ground	Volt	12
Alternator	ISKRA, 0118 3181 KZ, 12 Volt	
Batteries	cca	1 000
<b>Brakes</b>		
Service	Dynamic hydrostatic through propulsion system	
Parking / Secondary	Spring-applied, hydraulically released on axle and drum drive motors	
<b>Miscellaneous</b>		
Articulation Angle (+/-)	°	40
Oscillation Angle (+/-)	°	17
Inside Turning Radius (to drum edge)	mm	3 652
Fuel Capacity	l	270
Hydraulic Oil Capacity	l	125
Gradeability (theoretical)	%	52

Product improvement is a continuing goal at Volvo. Designs and specifications are subject to change without notice or obligation.

## Operator controls



## ROPS canopy

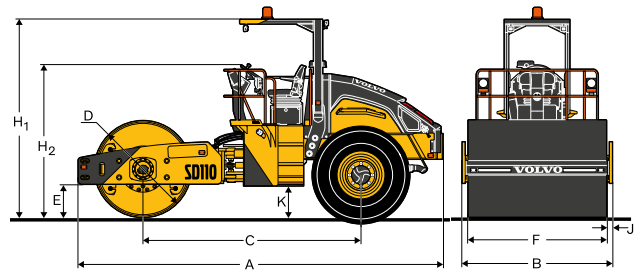


## Compaction gauge



## DIMENSIONS

A	mm	5 640
B	mm	2 310
C	mm	3 342
D	mm	1 500
E	mm	521
F	mm	2 134
G	mm	2 100
H <sub>1</sub>	mm	3 090
H <sub>2</sub>	mm	2 350
J	mm	91
K	mm	512



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

Volvo Construction Equipment

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