



Volvo Construction Equipment

# SD130

Volvo Compactors 12.8-13.3 t 119 kW







#### **Centrifugal force**

The combination of high centrifugal force and heavy drum weight facilitates excellent compaction – allowing you to achieve material target density in fewer passes.



# Powered to perform.

Volvo SD130 is designed to deliver superior compaction. A choice of amplitude, variable frequencies, centrifugal force and heavy drum weight all combine to deliver high density levels in less time. Experience quality compaction at its best with Volvo.

## Gradeability

The Volvo traction system provides excellent climbing and traction capabilities in difficult applications such as steep inclines or slippery surfaces. The system prevents wheel or drum spin, improving gradeability, performance and productivity.



## Padfoot shell

With minimal tools and equipment, the SD130 is quickly and easily converted from smooth to padfoot drum by clamping on a padfoot shell. This allows the machine to work in different applications and increases versatility.



## Drum forces

Whether you're compacting thin soil layers or thick lifts, experience superior results in all applications and material depths by simply flipping a switch and selecting high or low amplitude.



## Frequency choices

Easily adjust the vibration frequency from the operator console to compensate for changing soil types and conditions – increasing productivity and performance. Two frequency settings are standard and for even greater versatility, five choices are optional.



#### Visibility

360° visibility provides maximum safety. The machine's frame and hood have been designed to provide a superior all around view with 1 m x 1 m visibility.



# The Volvo experience.

Step inside the Volvo cab and experience low noise levels, ultimate comfort and a productive working environment. Safe, spacious and with excellent all-around visibility, operators will work efficiently with less fatigue in a Volvo compactor. See more and do more in comfort with Volvo.



## Comfortable cab

The spacious cab offers ample storage space and leg room, ergonomic controls and a low noise levels – all adding up to more comfort and reduced fatigue.



## ECO mode

Operate in smart power mode for up to 17% reduction in fuel consumption. This efficient mode significantly reduces engine noise levels and emissions without impacting compaction performance. The operator easily switches between modes via a switch on the control panel.



## Adjustable seat

The fully adjustable seat slides and turns to enhance visibility as well as operator safety and comfort.



## CompAnalyzer

Compaction Analyzer continuously measures compaction efficiency, while recording and clearly displaying it.

# Packed with performance.



## Comfortable cab

The ROPS/FOPS certified cab provides a safe and comfortable working environment.



## Visibility

360° visibility provides maximum safety. The machine's frame and hood have been designed to provide a superior rear view.



## Drum forces

Simply select high or low amplitude depending on the application and material depth.



## Centrifugal force

High centrifugal force and heavy drum weight facilitate excellent compaction and target density in fewer passes.





#### Frequency choices

Easily change the vibration frequency from the operator console to compensate for changing soil types and conditions.



#### Easy service access.

Key service check points are grouped on one side of the compactor to ensure regular maintenance is straightforward and uptime is maximized.

#### Gradeability

The Volvo traction system provides excellent climbing and traction capabilities in difficult applications such as steep inclines or slippery surfaces.





#### Customer Support Agreements

The range of Customer Support Agreements offer 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.



# 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.



## Complete Solutions

Volvo has the right solution for you. So why not let us provide all your needs throughout the whole life cycle

of your machine? By listening to your requirements, we can reduce your total cost of ownership and increase your revenue.



## Genuine Volvo Parts

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.



## Service Network

In order to respond to your needs faster, a Volvo expert is on their way to your job site from one of our Volvo facilities. With our extensive infrastructure of technicians, workshops and dealers, Volvo has a comprehensive network to fully support you using local knowledge and global experience.

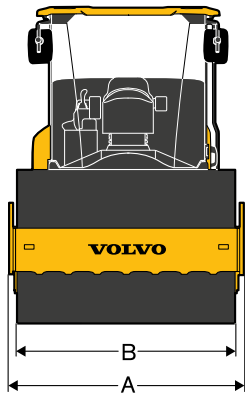
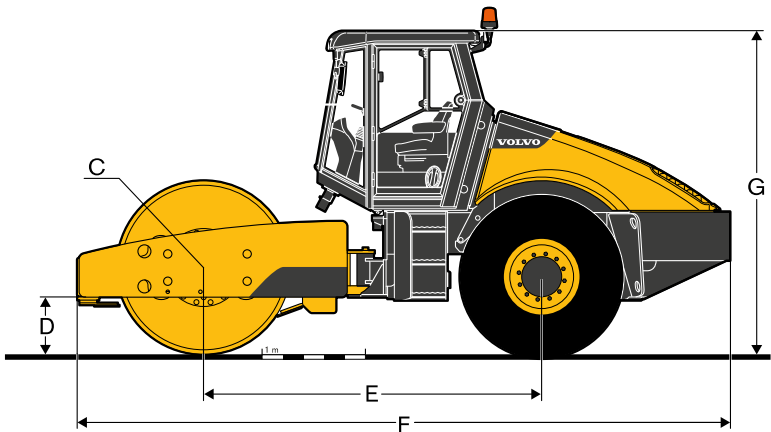
# Specifications.

Model			SD130	
			Smooth drum	Padfoot drum
Machine Weights				
(incl. cabin and inside scraper)				
Operating Weight (CECE)	kg		12 758	13 331
Static Weight @ Drum	kg		7 573	8 146
Static Linear Load @ Drum	kg/cm		35,49	38,17
Static Weight @ Tires	kg		5 185	5 185
Shipping Weight	kg		12 521	13 094
Machine Dimensions				
Length	mm		5 895	5 895
Width	mm		2 286	2 286
Height	mm		3 091	3 146
Wheelbase	mm		3 100	3 100
Curb Clearance	mm		483	483
Inside Turning Radius (to drum edge)	mm		3 463	3 463
Drum				
Width	mm		2 134	2 134
Diameter	mm		1 500	1 500
Shell Thickness	mm		30	30
Diameter Over Pad Feet	mm		-	1 753
Number Of Pad Feet			-	120
Pad Height	mm		-	127
Pad Tip Area	cm <sup>2</sup>		-	125
Vibration				
Frequency - Max	High Ampl	Hz	31,2	27,5
	Low Ampl	Hz	33,7	33,7
Centrifugal Force - Max	High Ampl	kN	281	293
	Low Ampl	kN	206	284
Nominal Amplitude	High	mm	1,9	2,03
	Low	mm	1,17	1,31
Propulsion				
Type System	Hydrostatic, two-speed motors on planetary axle and drum drive / No-Spin® differential			
Tire Size			23,1 x 26 – 8PR R3	23,1 x 26 – 8PR R1
Drum Drive				
Travel Speed	High	km/h	0 - 10,3	0 - 12,7
	Low	km/h	0 - 4,3	0 - 4,5
Engine				
Make & Model				
Engine Type	Turbocharged 4-cylinder			
Rated Power	kW (HP)	119 (162) @ 2 200 rpm		
Exhaust Emission	Tier 3, Stage IIIA			
Electrical System	12V, 95A alternator, two 750 CCA batteries			
Brakes				
Service	Service Dynamic hydrostatic through propulsion system			
Parking	Parking Spring-applied. hydraulically released on axle and drum drive motor			
Miscellaneous				
Articulation Angle			+/- 38°	+/- 38°
Oscillation Angle			+/- 17°	+/- 17°
Fuel Capacity	l		257	257
Hydraulic Oil Capacity	l		84	84
Gradeability (theoretical)	%		65	60
Guaranteed Sound Level				
Operator's Ear, acc. to ISO 11203:2009	LpA dB(A)		80	
External, acc. to Directive 2000/14/EC	LwA dB(A)		109	
Product improvement is a continuing goal at Volvo. Designs and specifications are subject to change without notice or obligation.				

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# Equipment.



## Dimensions

		Smooth drum	Padfoot drum
SD130			
A Machine Width	mm	2 286	2 286
B Drum Width	mm	2 134	2 134
C Rolling/Drum Radius	mm	755	851
D Curb Clearance	mm	483	567
E "Wheel" Base	mm	3 100	3 100
F Overall Length	mm	5 895	5 895
G Height with Cab	mm	3 091	3 146

## SELECTION OF VOLVO OPTIONAL EQUIPMENT

### Padfoot drum



### Auto vibe package



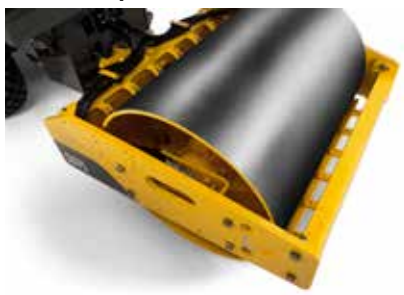
### Diamond tread and traction tire



### Road lights



### Inside scraper



### Compaction gauge



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