

V O L V O



Volvo Single Drum Compactors 16 t 129 kW 173hp

SD160B

Volvo Construction Equipment

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.

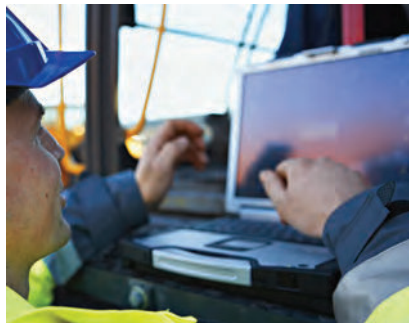
We have a passion for performance.



Volvo Trucks



Renault Trucks



Mack Trucks



UD Trucks



Volvo Buses



Volvo Construction Equipment



Volvo Penta



Volvo Financial Services

Power to perform

Volvo SD160B 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 compactor 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.



Frequency choices

Easily adjust the vibration frequency from the other 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.

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.



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.

Packed with intelligence

Frequency choices

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

Visibility

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



Centrifugal force

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

Drum forces

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



Comfortable cab

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

Serviceability

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

Gradeability

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



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, 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 low noise levels. The moulded roof, wall segments and large surfaces are made of soft, noise absorbing material. Shock absorbing cab mounts reduce vibration and noise levels for increased comfort.



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

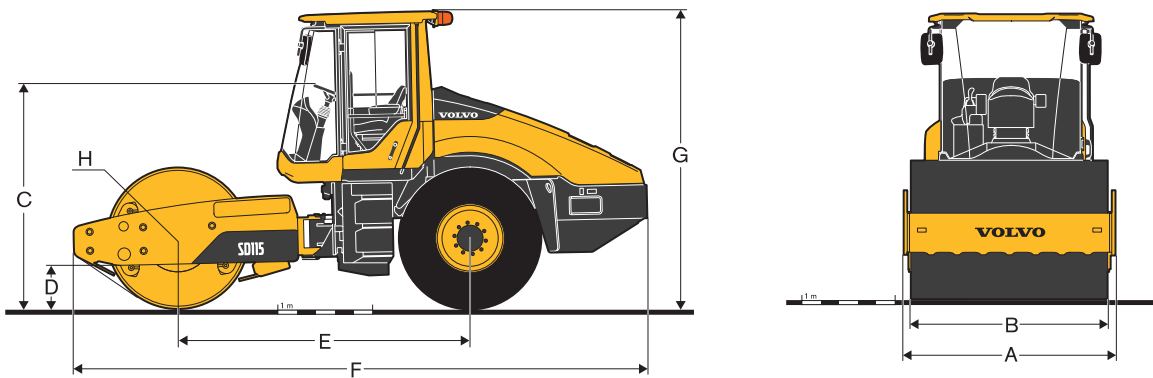
The fully adjustable seat slides and turn to enhance visibility as well as operator safety and comfort

Specifications

Model		SD160B	
Drum type		Smooth	Padfoot
Machine Weights (inc. cab & inside scraper)			
Operating Weight (CECE)	kg	16 199	16489
Static Weight @ Drum	kg	11 093	11 383
Static Weight @ Tyres	kg	5 106	5 106
Shipping Weight	kg	16 062	16 352
Drum			
Width	mm	2 134	2 134
Diameter	mm	1 600	1 510
Shell Thickness	mm	35	30
Diameter Over Pad Feet	mm	-	1 764
Pad Feet	number of	-	120
Pad Height	mm	-	127
Pad Tip Area	cm ²	-	125
Vibration			
Frequency	Hz	23.3 - 30.8	22.5 - 27.5
Optional 5 Frequency (High Amp)	Hz	24.2 - 33.8	24.2 -33.8
Centrifugal Force	High Amp	kN	339
	Low Amp	kN	257
Nominal Amplitude	High Amp	mm	2.21
	Low Amp	mm	1.68
Propulsion			
System Type	Hydrostatic 2-speed motor, planetary axle with No-spin differential, 2-speed drum drive motor into planetary gear reduction		
Tire Size	23.1-26 8PR R3		23.1-26 8PR R1
Tire Speed	High	km/h	0-12.4
	Low	km/h	0-4.5
Engine			
Make / Model	Volvo D5E Tier 3		
Rated Power	kW	129 (173) @ 2 200 rpm	
Electrical System			
Voltage (Negative ground)	Volt	24	
Alternator	Ah	120	
Batteries	CCA	2 x 1 000	
Brakes			
Service	Hydrostatic		
Parking / Secondary	Spring-applied, hydraulically released on drum & axle		
Miscellaneous			
Articulation Angle	°	+/- 38	
Oscillation Angle	°	+/- 16	
Fuel Capacity	L	267	
Hydraulic Oil Capacity	L	104	
Gradeability (theoretical)	%	58	42
Guaranteed Sound Level			
Operator's Ear, acc. to ISO 11203:2009	LpA dB(A)	75 (Cab) - 87 (Canopy)	
External, acc. to Directive 2000/14/EC	LwA dB(A)	105	

Equipments

DIMENSIONS	Unit	SD160B	
		Smooth drum	Padfoot drum
A	mm	2 286	2 286
B	mm	2 134	2 134
C	mm	2 269	2 288
D	mm	483	498
E	mm	3 095	3 095
F	mm	6 091	6 091
G	mm	3 000	3 020
H	mm	750	774



SELECTION OF VOLVO OPTIONAL EQUIPMENT

Tires



Padfoot drum



Blade



Work lights



Intelligent compaction



Traction system



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.



BIG ENOUGH TO TRUST SMALL ENOUGH TO CARE

Founded in 1974...




CJD Equipment are in the industry for the long term and have the skills and knowledge to support you and your equipment. CJD Equipment takes great pride in being Volvo CE's first and only authorised partner in Australia for three decades. Together, we provide a full range of machinery ideally suited to Australia's unique landscapes and industry requirements. These products are fully supported through a nationwide network of branches, and carefully selected dealers and service agents, strategically positioned to ensure total support.

With fully equipped parts warehouses in every capital city, and dealers throughout major regional towns, we have the support network in place to ensure you're well supported, no matter where you or your machines are. Ongoing in-house training programs ensures our technicians' skills keep pace with the latest technology and product advances.

Visit www.cjd.com.au to read more about our history, range of products and to locate your local branch or dealer.

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