



Volvo Construction Equipment

SD160, SD200

VOLVO SINGLE DRUM COMPACTORS 16-20.6 t 129-153 kW



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



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 SD160 and SD200 are 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 gradability, 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.

*Available on SD160



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.



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.

Packed with performance.



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 fewer 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 maximized.

Gradeability

The Volvo traction system provides excellent climbing and traction capabilities 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 1m x 1m 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.



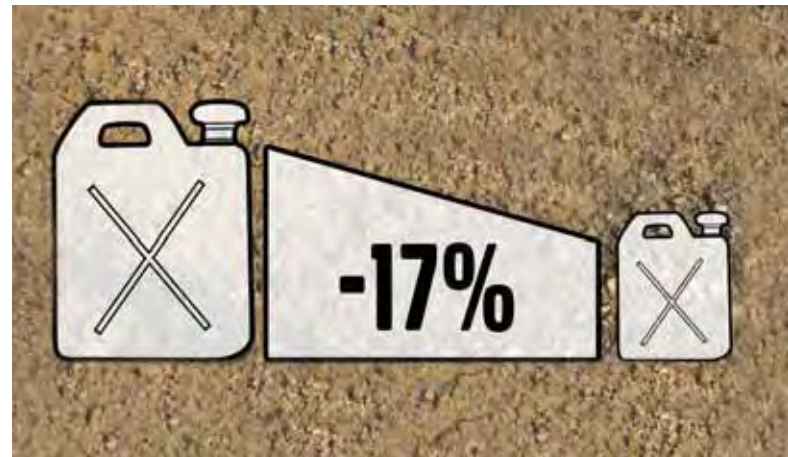
Comfortable cab

The spacious cab offers low noise levels. The moulded roof, wall segments and large surfaces are made of soft, noiseabsorbing 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.

*Available on the SD160



Adjustable seat

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



CompAnalyzer

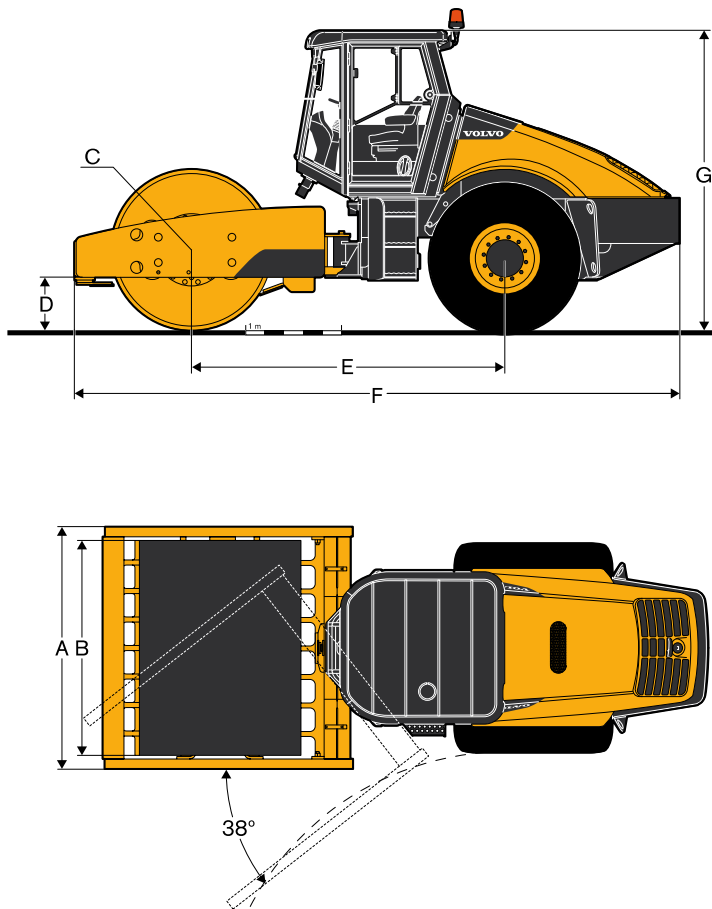
Compaction Analyzer continuously measures compaction efficiency, while recording and clearly displaying it.

Specifications.

| Model | | | SD160 | | SD200 | |
|---------------------------------|-----------|---------|--|--------------------|-----------------------|---------------------|
| | | | Smooth drum | Padfoot drum | Smooth drum | Padfoot drum |
| Machine Weight (w/ ROPS / FOPS) | | | | | | |
| Operating Weight (CECE) | kg | | 16 199 | 16 489 | 20 643 | 20 328 |
| Static Weight @ Drum | kg | | 11 093 | 11 383 | 13 723 | 13 408 |
| Static Weight @ Tyres | kg | | 5 106 | 5 106 | 6 920 | 6 920 |
| Shipping Weight | kg | | 16 062 | 16 352 | 20 506 | 20 191 |
| Machine Dimensions | | | | | | |
| Length | mm | | 5 998 | 5 998 | 6 280 | 6 280 |
| Width | mm | | 2 456 | 2 456 | 2 536 | 2 536 |
| Height top of ROPS (Cabin) | mm | | 3 112 | 3 180 | 3 112 | 3 180 |
| Wheelbase | mm | | 3 109 | 3 109 | 3 215 | 3 215 |
| Curb Clearance | mm | | 528 | 635 | 468 | 547 |
| Inside Turning Radius | mm | | 3 463 | 3 463 | 3 463 | 3 463 |
| Drum | | | | | | |
| Width | mm | | 2 134 | 2 134 | 2 134 | 2 134 |
| Diameter | mm | | 1 600 | 1 510 | 1 650 | 1 620 |
| Shell Thickness | mm | | 35 | 30 | 40 | 25 |
| Diameter Over Pad Feet | mm | | - | 1 764 | - | 1 875 |
| Number Of Pad Feet | | | - | 120 | - | 136 |
| Pad Height | mm | | - | 127 | - | 127 |
| Pad Tip Area | cm² | | - | 125 | - | 125 |
| Vibration | | | | | | |
| Frequency | High Ampl | Hz | 23.3 - 30.8 | 22.5 - 27.5 | 23.3 - 30.8 | 22.5 - 28.3 |
| | Low Ampl | Hz | 24.2 - 33.8 | 24.2 - 33.8 | 23.3 - 30.8 | 23.3 - 30.8 |
| Centrifugal Force | High Ampl | kN | 339 | 339 | 368 | 359 |
| | Low Ampl | kN | 264 | 257 | 239 | 273 |
| Nominal Amplitude | High | mm | 1.97 | 2.21 | 1.76 | 1.99 |
| | Low | mm | 1.28 | 1.68 | 1.14 | 1.51 |
| 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 x 26 – 8PR R3 | 23.1 x 26 – 8PR R1 | 23.1 x 26 – 10PR R3 | 23.1 x 26 – 10PR R1 |
| Travel Speed | High | km/h | 0 – 12.4 | 0 – 11.8 | 0 – 11.5 | 0 – 11.9 |
| | Low | km/h | 0 – 4.5 | 0 – 4.8 | 0 – 4.0 | 0 – 4.1 |
| Engine | | | | | | |
| Make | | | Cummins | | | |
| Model | | | QSB6.7 Tier 3 | | | |
| Type | | | Turbocharged and charge air-cooled 6-cylinder | | | |
| Rated Power | | kW (hp) | 129 (173) @ 2 200 min | | 153 (205) @ 2 000 min | |
| Miscellaneous | | | | | | |
| Articulation Angle | | | +/- 38° | +/- 38° | +/- 38° | +/- 38° |
| Oscillation Angle | | | +/- 16° | +/- 16° | +/- 16° | +/- 16° |
| Fuel Capacity | | l | 267 | 267 | 267 | 267 |
| Hydraulic Oil Capacity | | l | 104 | 104 | 104 | 104 |
| Gradeability | | | 70% | 60% | 58% | 52% |

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

Equipment.



Dimensions

| | | Smooth drum | Padfoot drum |
|--------------|---------------------|-------------|--------------|
| SD160 | | | |
| A | Machine Width | mm | 2 406 |
| B | Drum Width | mm | 2 134 |
| C | Rolling/Drum Radius | mm | 800 |
| D | Curb Clearance | mm | 528 |
| E | "Wheel" Base | mm | 3 108 |
| F | Overall Length | mm | 5 998 |
| G | Height with Cab | mm | 3 116 |
| SD200 | | | |
| A | Machine Width | mm | 2 486 |
| B | Drum Width | mm | 2 183 |
| C | Rolling/Drum Radius | mm | 825 |
| D | Curb Clearance | mm | 468 |
| E | "Wheel" Base | mm | 3 214 |
| F | Overall Length | mm | 6 280 |
| G | Height with Cab | mm | 3 120 |

SELECTION OF VOLVO OPTIONAL EQUIPMENT

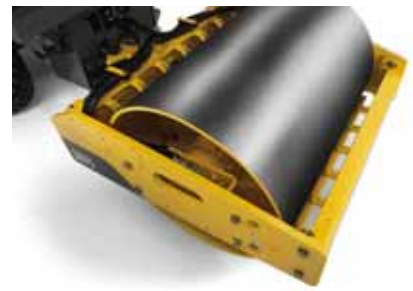
Padfoot drum



CompAnalyzer



Inside scraper



Road lights



Compaction gauge



Auto vibe package



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 Construction Equipment

www.volvocce.com