

Volvo Construction Equipment  
Building Tomorrow



# SD25

Volvo Single Drum Compactors 2.7 t 31.4 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



**VOLVO**

**SD25**



**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.

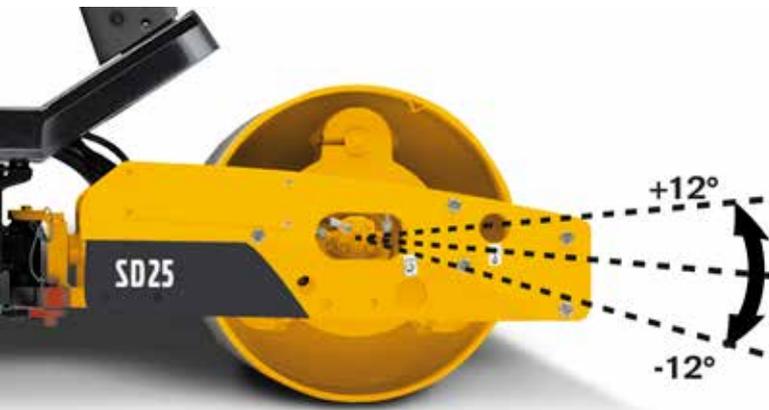
# Versatility for all your jobs.

The SD25 has outstanding maneuverability and versatility. Excellent gradeability and traction make the SD25 the right choice for the commercial and residential site development, utility installations, roads, driveways and landscaping jobs.

## Stable maneuverability



Articulation joint provides up to +/- 12 degrees oscillation angle and a frame articulation of +/- 35 degrees, for greater stability and maneuverability.



## 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.



## Safety equipments

The ROPS/FOPS certified operator platform provides a safe and comfortable working environment with all-around visibility.

## Padfoot shell

With minimal tools and equipment, the SD25 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.

# Little in size, big on performance.

## Serviceability

Rear hinged engine allows easy access to all major components and gives more uptime.

## Isolated platform

Vibration-isolated, anti-slip operator platform with ergonomic design reduces operator's fatigue.



## Maneuverability

The articulation joint offers an oscillation angle of +/- 12 degrees and frame articulation of +/- 35 degrees for more stability and mobility.



## Centrifugal force

High centrifugal force and heavy drum weight ensure excellent compaction, allowing you to achieve material target density in fewer passes.





### **Visibility**

The ROPS/FOPS certified operator platform provides a safe and comfortable working environment with all-round visibility.



### **Clamp-on padfoot**

For increased versatility, easily convert the compactor from smooth to padfoot drum by clamping on a padfoot shell.

### **Gradeability**

This machine provides excellent climbing and traction capabilities in difficult applications such as steep inclines or slippery surfaces.



# 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

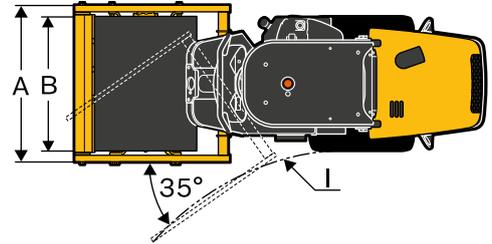
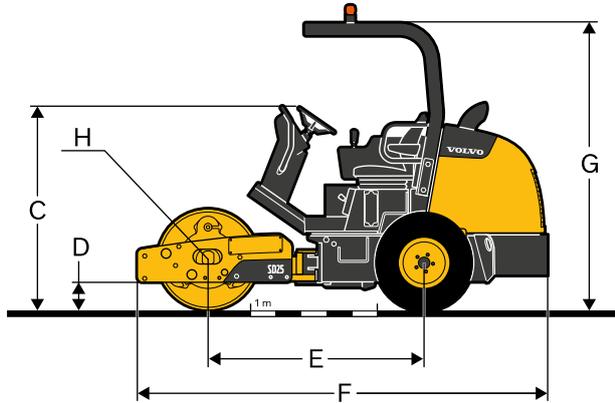
In order to respond to your needs faster, a Volvo expert is on their way to your job site from one of our Volvo facilities. With our extensive infrastructure of technicians, workshops and dealers, Volvo has a comprehensive network to fully support you using local knowledge and global experience.

# Specifications.

| Model   | SD25  |                      |           |
|---|---|----------------------|-----------|
|   | Smooth drum   | Padfoot drum         |           |
| <b>Machine weights (w/ ROPS / FOPS)</b>       |   |                      |           |
| Operating weight (CECE)                       | kg  | 2 664                | 2 685     |
| Static weight @ drum                          | kg  | 1 331                | 1 415     |
| Static weight @ tires                         | kg  | 1 333                | 1 270     |
| Shipping weight                               | kg  | 2 580                | 2 600     |
| <b>Drum</b>                                   |   |                      |           |
| Width   | mm  | 1 050                | 1 050     |
| Diameter (Rolling)                            | mm  | 792                  | 912       |
| Shell thickness                               | mm  | 14                   | 14        |
| Number of pad feet                            |   | –                    | 45        |
| Pad height                                    | mm  | –                    | 64        |
| Pad tip area                                  | cm <sup>2</sup>   | –                    | 110       |
| <b>Vibration</b>                              |   |                      |           |
| Frequency                                     | Hz  | 37                   | 37        |
| Centrifugal force                             | kN  | 56                   | 56        |
| Nominal amplitude                             | mm  | 1,4                  | 1,2       |
| <b>Propulsion</b>                             |   |                      |           |
| Type system                                   | Hydrostatic with Twin Lock torque transfer system, single-speed |                      |           |
| Tire size                                     | 8 x 16 – R1 6PR   | 8 x 16 – R1 6PR      |           |
| Drum drive                                    | Low speed, high torque motor                                    |                      |           |
| Travel speed                                  | km/h  | 0-7.4                | 0-7.4     |
| <b>Engine</b>                                 |   |                      |           |
| Make / model                                  | Kubota V2203-M Tier 4   |                      |           |
| Engine type                                   | Turbocharged 4-cylinder   |                      |           |
| Rated power                                   | kW (hp)   | 31.4 (42) @ 2450 rpm |           |
| Electrical system                             | 12 volts DC, negative ground; 40 A alternator; 785 CCA battery  |                      |           |
| <b>Brakes</b>                                 |   |                      |           |
| Service                                       | Dynamic hydrostatic through propulsion system                   |                      |           |
| Parking / secondary                           | Spring-applied, hydraulically released on rear motors           |                      |           |
| <b>Miscellaneous</b>                          |   |                      |           |
| Articulation                                  |   | + / - 35°            | + / - 35° |
| Oscillation angle                             |   | + / - 12°            | + / - 12° |
| Inside turning radius (measured to drum edge) | mm  | 2 148                | 2 148     |
| Fuel capacity                                 | l   | 45                   | 45        |
| Hydraulic oil capacity                        | l   | 76                   | 76        |
| Gradeability (theoretical)                    | %   | 75                   | 65        |
| <b>Guaranteed Sound Level</b>                 |   |                      |           |
| Operator's Ear, acc. to ISO 11203:2009        | LpA dB(A)   | 90                   |           |
| External, acc. to Directive 2000/14/EC        | LwA dB(A)   | 103                  |           |

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 |
|------------|----|-------------|--------------|
| A          | mm | 1220        | 1220         |
| B          | mm | 1050        | 1050         |
| C          | mm | 1586        | 1638         |
| D          | mm | 217         | 249          |
| E          | mm | 1673        | 1673         |
| F          | mm | 3180        | 3180         |
| G          | mm | 2250        | 2294         |
| H          | mm | 396         | 456          |
| I          | mm | 2148        | 2148         |

## SELECTION OF VOLVO OPTIONAL EQUIPMENT

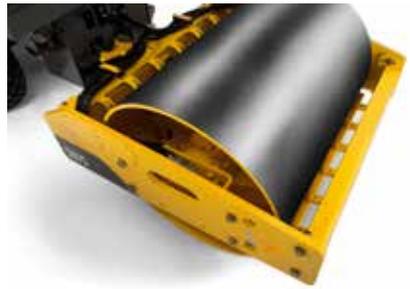
**Strike off blade**



**Anti-vandalism cover**



**Inside scraper**



**Work lights**



**Diamond tread and traction tire**



**Padfoot drum**



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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