

VOLVO SINGLE DRUM COMPACTORS

# SD25, SD45

2.7-5.1 t 31.4-63 kW



# LITTLE IN SIZE, BIG ON PERFORMANCE

The SD25 and SD45 models have outstanding maneuverability and versatility. Excellent gradeability and traction make them the right choice for the commercial and residential site development, utility installations, roads, driveways and landscaping jobs.



## Performance Features

- Adjustable front drum scraper
- Excellent forward and reverse visibility
- Hour meter and fuel level gauge.  
Low fuel warning on SD25
- Hydraulic hoses installed inside drum frame for protection
- Vibration-isolated, anti-slip operator platform with ergonomic design reduces operator's fatigue
- Ergonomically located controls within operator zone of comfort and reach
- Rear-hinged engine cover for easy service access
- SD25 - Warning lights and audible alarms for air filter restriction, battery discharge (light only), engine coolant temperature, engine oil pressure and hydraulic oil temperature.
- SD45 - Warning lights for air filter restriction, battery discharge, engine coolant temperature and engine oil pressure.

## Safety Features

- Safety features include ROPS / FOPS, seat belt, seat belt warning system, back-up alarm, seat switch, emergency stop button, horn, safety rails, and grab handles
- Visibility to the front and rear of the machine meets 1 m x 1 m visibility requirements (being able to spot the objects 1 m from the machine at 1 m height).

## Available Options

- Beacon light
- Clamp-on padfoot shell kit
- CE package
- Inside drum scraper bar
- Strike-off blade
- Anti-vandalism cover for the instrument panel
- Work lights.
- Padfoot drum

## Versatility for all your jobs

A two-piece, clamp-on padfoot shell kit easily and quickly converts the smooth drum into a padfoot drum without changing the hydraulic system. Drum conversion is completed by bolting together the two half-shells and replacing the scraper bar.



# SPECIFICATIONS

| Model   | SD25            |  | SD45            |   |                    |
|---|-----------------|--|-----------------|---|--------------------|
|   | Smooth drum     | Padfoot drum   | Smooth drum     | Padfoot drum  |                    |
| <b>Machine Weights (w/ ROPS / FOPS)</b>       |                 |  |                 |   |                    |
| Operating Weight (CECE)                       | kg              | 2 664  | 2 685           | 4 807   | 5 147              |
| Static Weight @ Drum                          | kg              | 1 331  | 1 415           | 2 449   | 2 789              |
| Static Weight @ Tires                         | kg              | 1 333  | 1 270           | 2 358   | 2 358              |
| Shipping Weight                               | kg              | 2 580  | 2 600           | 4 712   | 5 052              |
| <b>Machine Dimensions</b>                     |                 |  |                 |   |                    |
| Length  | mm              | 3 180  | 3 180           | 4 053   | 4 053              |
| Width   | mm              | 1 220  | 1 220           | 1 550   | 1 550              |
| Height (top of ROPS / FOPS)                   | mm              | 2 250  | 2 294           | 2 830   | 2 885              |
| Wheelbase                                     | mm              | 1 673  | 1 673           | 2 400   | 2 400              |
| Curb Clearance                                | mm              | 217  | 249             | 305   | 308                |
| Inside Turning Radius (measured to drum edge) | mm              | 2 148  | 2 148           | 2 569   | 2 569              |
| <b>Drum</b>                                   |                 |  |                 |   |                    |
| Width   | mm              | 1 050  | 1 050           | 1 372   | 1 372              |
| Diameter                                      | mm              | 787  | 787             | 1 000   | 1 000              |
| Shell Thickness                               | mm              | 14   | 14              | 20  | 20                 |
| Diameter Over Pad Feet                        | mm              | -  | 914             | -   | 1 153              |
| Number Of Pad Feet                            |                 | -  | 45              | -   | 63                 |
| Pad Height                                    | mm              | -  | 64              | -   | 76                 |
| Pad Tip Area                                  | cm <sup>2</sup> | -  | 110             | -   | 135                |
| <b>Vibration</b>                              |                 |  |                 |   |                    |
| Frequency                                     | Hz              | 36.7   | 36.7            | 31.7  | 32                 |
| Centrifugal Force                             | kN              | 56   | 56              | 99  | 99                 |
| Nominal Amplitude                             | mm              | 1.38   | 1.2             | 1.99  | 1.71               |
| <b>Propulsion</b>                             |                 |  |                 |   |                    |
| Type System                                   |                 | Hydrostatic with Twin Lock torque transfer system, single-speed motor on drum & wheels |                 | Hydrostatic, single-speed motor on planetary axle w/ flow divider and LSHT motor for drum drive |                    |
| Tire Size                                     |                 | 8 x 16 - R1 6PR  | 8 x 16 - R1 6PR | 12.4 x 24 R1 - 4PR  | 12.4 x 24 R1 - 4PR |
| Drum Drive                                    |                 | Low speed, high torque motor   |                 |   |                    |
| Travel Speed                                  | km/h            | 0-7.4  | 0-7.4           | 0-8.1   | 0-7.9              |
| <b>Engine</b>                                 |                 |  |                 |   |                    |
| Make / Model                                  |                 | Kubota V2203-M Tier 4  |                 | Kubota V-3600T Tier 3   |                    |
| Engine Type                                   |                 | Turbocharged 4-cylinder  |                 | Turbocharged 4-cylinder   |                    |
| Rated Power                                   | kW (hp)         | 31.4 (42) @ 2450 rpm   |                 | 63 (84.5) @ 2600 rpm  |                    |
| Electrical System                             |                 | 12 volts DC, negative ground; 40 A alternator; 785 CCA battery                         |                 | 12 volts DC, negative ground; 90 A alternator; (1) 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°       | + / - 41°   | + / - 41°          |
| Oscillation Angle                             |                 | + / - 12°  | + / - 12°       | + / - 12°   | + / - 12°          |
| Fuel Capacity                                 | L               | 45   | 45              | 98  | 98                 |
| Hydraulic Oil Capacity                        | L               | 76   | 76              | 96  | 96                 |
| Gradeability (theoretical)                    |                 | 75%  | 65%             | 55%   | 45%                |

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

# VOLVO CONSTRUCTION EQUIPMENT

Volvo Construction Equipment is different. Our machines are designed, built and supported in a different way. That difference comes from an engineering heritage of over 180 years. A heritage of thinking first about the people who actually use the machines. About how to help them be safer, more comfortable, more productive. About the environment we all share. The result of that thinking is a growing range of machines and a global support network dedicated to helping you do more. People around the world are proud to use Volvo.

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

Ref. No 20033616-A  
2012.08  
Volvo, Global Marketing

English 21  
COS