

VOLVO SINGLE DRUM COMPACTORS

# SD25, SD45



# LITTLE IN SIZE, BIG ON PERFORMANCE

The SD25 and SD45 soil compactors are available in a smooth drum version (SD25D, SD45D) or in a padfoot version (SD25F, SD45F). Both 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.

## 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		SD25D	SD25F	SD45D	SD45F
<b>Machine Weights (w/ ROPS / FOPS)</b>					
Operating Weight (CECE)	kg (lb)	2 562 (5,650)	2 685 (5,920)	4 807 (10,600)	5 147 (11,350)
Static Weight @ Drum	kg (lb)	1 292 (2,850)	1 415 (3,120)	2 449 (5,400)	2 789 (6,150)
Static Weight @ Tires	kg (lb)	1 270 (2,800)	1 270 (2,800)	2 358 (5,200)	2 358 (5,200)
Shipping Weight	kg (lb)	2 478 (5,464)	2 600 (5,734)	4 712 (10,390)	5 052 (11,140)
<b>Machine Dimensions</b>					
Length	mm (in)	3 180 (125)	3 180 (125)	4 053 (160)	4 053 (160)
Width	mm (in)	1 220 (48)	1 220 (48)	1 550 (62.5)	1 550 (61)
Height (top of ROPS / FOPS)	mm (in)	2 250 (89)	2 294 (90.3)	2 830 (111.4)	2 885 (113.6)
Wheelbase	mm (in)	1 673 (66)	1 673 (66)	2 400 (94)	2 400 (94)
Curb Clearance	mm (in)	217 (8.5)	219 (8.6)	305 (12)	308 (12.1)
Inside Turning Radius (measured to drum edge)	mm (in)	2 148 (84)	2 148 (84)	2 569 (101)	2 569 (101)
<b>Drum</b>					
Width	mm (in)	1 067 (42)	1 067 (42)	1 372 (54)	1 372 (54)
Diameter	mm (in)	787 (31)	787 (31)	1 000 (39.4)	1 000 (39.4)
Shell Thickness	mm (in)	12 (0.47)	12 (0.47)	20 (0.78)	20 (0.78)
Diameter Over Pad Feet	mm (in)	-	914 (36)	-	1 153 (45.4)
Number Of Pad Feet		-	45	-	63
Pad Height	mm (in)	-	64 (2.5)	-	76 (3.0)
Pad Tip Area		-	55 cm <sup>2</sup> (8,5 sq in)	-	125 mm (21.0 in)
<b>Vibration</b>					
Frequency	Hz (vpm)	36,7 (2 200)	36,7 (2 200)	32 (1 900)	32 (1 900)
Centrifugal Force	kN (lb)	68 kN (15 350)	69 kN (15 620)	123 kN (27 650)	126 (28 400)
Nominal Amplitude	mm (in)	1,38 (0.054)	1,2 (0.047)	1,99 (0.078)	1,71 (0.067)
<b>Propulsion</b>					
Type System		Hydrostatic with Twin Lock torque transfer system, single-speed motor on drum & wheels		Hydrostatic, single-speed motors on planetary axle w/ flow divider and No-Spin® differential	
Drum Drive		Low speed, high torque motor			
Tire Size		8 x 16 - R1 6PR	8 x 16 - R1 6PR	12,4 x 24 RI - 4PR	12,4 x 24 RI - 4PR
Travel Speed	km (mph)	0-9,0 (h 0-5.6)	0-9,7 (h 0-6.0)	0-8,1 (h 0-5.0)	0-7,9 (h 0-4.9)
<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 @ Installed Speed	kW (hp)	31,4 (42)	31,4 (42)	63 (84.5)	63 (84.5)
Electrical System		12 volts DC, negative ground; 40 A alternator; 750 CCA battery		12 volts DC, negative ground; 90 A alternator; (1) 750 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 (gal)	45 (12)	45 (12)	98 (25)	98 (25)
Hydraulic Oil Capacity	l (gal)	57 (15)	57 (15)	96 (25)	96 (25)
Gradeability (theoretical)		92%	79%	52%	44%

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 175 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. And we're proud of what makes Volvo different.

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**

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No ref 21A1006571  
2010.11  
Volvo, Global Marketing

English (Global)  
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