

VOLVO SINGLE DRUM COMPACTORS

# SD160, SD200



# TACKLE THE TOUGHEST JOBS ON EARTH

When the Volvo SD160 and SD200 weigh in, your most demanding projects are under control. Abundant horsepower, massive centrifugal forces, high static weight, Ultra-Grade® traction system, and a robust drum are among their strengths. Handling thicker lifts with fewer passes, the compaction forces of the SD160 and SD200 deliver maximum productivity.

## Serviceability

One-piece, rear-hinged engine cover for complete access and tilting operator platform for hydraulic access.

## Standard Features

- Back-up alarm, seat switch, horn, and emergency stop
- Premium isolated platform
- ROPS / FOPS with seat belts
- Tilting steering column
- Ultra-Grade® full-time traction control system
- Variable frequency
- Suspension seat

## Performance Features

- Dual / variable frequency and dual amplitude
- Capability to match vibration frequency to natural frequency of material to achieve optimum compaction

## Available Options\*

- Air pre-cleaner
- Impact meter
- Strike-off blade (padfoot only)
- VPM meter and speedometer
- CompAnalyzer
- CompGauge

\*Certain options are not available in all markets.

## Visibility

- ONE METER BY ONE METER visibility

## Option Packages

### Lights Package

- work light
- beacon lights
- vandal cover

### Gauge Package

- volt meter
- engine oil pressure gauge
- hydraulic oil temperature gauge

### Climate Control Package

- cab with heat and air conditioning
- work lights
- vandal covers
- grid heater

## Optional Padfoot Shell Kit (SD160DX Only)

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 installing the two shells and replacing the smooth scraper bar with padfoot teeth.



# CE SPECIFICATIONS

Model		SD160DX	SD160F	SD200DX	SD200F
<b>Machine Weight (w/ ROPS / FOPS)</b>					
Operating Weight (CECE)	kg (lb)	16 199 (35,713)	16 489 (36,352)	20 643 (45,510)	20 328 (44,816)
Static Weight @ Drum	kg (lb)	11 093 (24,456)	11 383 (25,095)	13 723 (30,254)	13 408 (29,560)
Shipping Weight	kg (lb)	16 062 (35,411)	16 352 (36,050)	20 506 (45,208)	20 191 (44,514)
<b>Machine Dimensions</b>					
Length	mm (in)	5 998 (236)	5 998 (236)	6 280 (247)	6 280 (247)
Width	mm (in)	2 456 (97)	2 456 (97)	2 536 (100)	2 536 (100)
Height (ROPS)	mm (in)	3 116 (123)	3 180 (125)	3 120 (123)	3 180 (125)
Wheelbase	mm (in)	3 109 (122)	3 109 (122)	3 215 (127)	3 215 (127)
Curb Clearance	mm (in)	528 (21)	635 (25)	468 (18)	547 (22)
Inside Turning Radius	mm (in)	3 463 (136)	3 463 (136)	3 463 (136)	3 463 (136)
<b>Drum</b>					
Width	mm (in)	2 134 (84)	2 134 (84)	2 134 (84)	2 134 (84)
Diameter	mm (in)	1 600 (63)	1 510 (59.5)	1 650 (65)	1 620 (63.8)
Shell Thickness	mm (in)	35 (1.38)	30 (1.2)	40 (1.57)	25 (1.0)
Diameter Over Pad Feet	mm (in)	-	1 764 (69.5)	-	1 875 (73.8)
Number Of Pad Feet		-	120	-	136
Pad Height	cm (in)	-	127 (5)	-	127 (5)
Pad Tip Area	cm <sup>2</sup> (sq in)	-	125 (21)	-	125 (21)
<b>Vibration</b>					
Frequency	Hz (vpm) High	23,3 (1,400)	23,3 (1,400)	23,3 (1,400)	23,3 (1,400)
	Low	33,8 (2,025)	33,8 (2,025)	33,8 (2,025)	33,8 (2,025)
Centrifugal Force	kN (lb) High	339 (76,300)	339 (76,300)	368 (82,800)	359 (80,800)
	Low	264 (59,400)	257 (57,775)	239 (53,700)	273 (61,373)
Nominal Amplitude	mm (in) High	1,97 (0.078)	2,21 (0.087)	1,76 (0.069)	1,99 (0.078)
	Low	1,28 (0.050)	1,68 (0.066)	1,14 (0.045)	1,51 (0.059)
<b>Propulsion</b>					
System Type		Hydrostatic 2-speed motor, planetary axle with No-Spin® differential, 2-speed drum drive motor into planetary gear reduction			
Tire Size	mm (in)	587 x 660 (23.1 x 26) – 8PR R3	587 x 660 (23.1 x 26) – 8PR R1	587 x 660 (23.1 x 26) – 10PR R3	587 x 660 (23.1 x 26) – 10PR R1
Travel Speed	km/h (mph) High	0 – 12,4 (0 – 7.7)	0 – 11,8 (0 – 7.3)	0 – 11,5 (0 – 7.1)	0 – 11,9 (0 – 7.4)
	Low	0 – 4,5 (0 – 2.8)	0 – 4,8 (0 – 3)	0 – 4,0 (0 – 2.5)	0 – 4,1 (0 – 2.5)
<b>Engine</b>					
Make		Cummins	Cummins	Cummins	Cummins
Model		QSB6.7 Tier 3	QSB6.7 Tier 3	QSB6.7 Tier 3	QSB6.7 Tier 3
Type		Turbocharged and charge air-cooled 6-cylinder			
Power	kW (hp)	Rated Power @ 2 200 min 129 (173)	Rated Power @ 2 200 min 129 (173)	Rated Power @ 2 000 min 153 (205)	Rated Power @ 2 000 min 153 (205)
<b>Miscellaneous</b>					
Fuel Capacity	l (gal)	267 (70.5)	267 (70.5)	267 (70.5)	267 (70.5)
Hydraulic Oil Capacity	l (gal)	104 (27)	104 (27)	104 (27)	104 (27)
Gradeability (theoretical)		65%	55%	59%	49%

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**  
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