

VOLVO SINGLE DRUM COMPACTOR

SD190DX



TACKLE THE TOUGHEST JOBS ON EARTH

When the Volvo SD190DX weighs 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 force of the SD190DX delivers maximum productivity.

Serviceability

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

Performance features

- Back-up alarm, seat switch, horn, and emergency stop
- Inside drum scraper bar
- Premium isolated platform
- ROPS / FOPS with seat belts
- Tilting steering column (part of CE kit)
- Ultra-Grade® full-time traction control system
- Variable frequency

Available Options*

- Air pre-cleaner
- Automatic vibration on-off and Impact Meter
- CE-conformity kit
- ROPS cab with heat or A/C and heat (250 kg [550 lb] additional weight)
- VPM Meter and Speedometer
- Warning beacon
- Gauge package (3): engine oil pressure, engine coolant temperature, voltmeter
- CompAnalyzer
- CompGauge
- Contact factory for additional options

*Certain options are not available in all markets.

Optional padfoot shell kit

A two-piece, clamp-on padfoot shell kit makes drum conversion easy. Drum conversion is completed by installing the two shells and replacing the smooth scraper bar with padfoot teeth.



CE SPECIFICATIONS

Model	SD190DX	
Machine Weights (inc. cabin and inside scraper)		
Operating Weight (CECE)	kg (lb)	19 645 (43,310)
Static Weight at Drum	kg (lb)	12 725 (28,054)
Static Weight at Tires	kg (lb)	6 803 (14,998)
Shipping Weight	kg (lb)	19 509 (43,010)
Machine Dimensions		
Overall Length	mm (in)	6 280 (247)
Overall Width	mm (in)	2 536 (100)
Height (top of cabin)	mm (in)	3 076 (121)
Wheelbase	mm (in)	3 214 (126.5)
Curb Clearance	mm (in)	443 (17.5)
Inside Turning Radius (measured to drum edge)	mm (in)	3 463 (136)
Drum		
Drum Width	mm (in)	2 134 (84)
Drum Diameter	mm (in)	1 600 (63)
Drum Shell Thickness	mm (in)	35 (1.38)
Drum Diameter Over Pad Feet	mm (in)	—
Number of Pad Feet		—
Pad Height	mm (in)	—
Pad Tip Area	cm ² (sq in)	—
Vibration		
Frequency	Hz (vpm)	23,3 – 33,8 (1,400 – 2,025)
Centrifugal Force	kN (lb) High	339 (76,300)
	Low	221 (49,600)
Nominal Amplitude	mm (in) High	1,97 (0.078)
	Low	1,28 (0.050)
Propulsion		
System Type		Hydrostatic two speed motor on planetary axle with No-Spin® differential / two-speed drum drive motor
Tire Size		23,1-26 R3 – 10PR TT
Drum Drive		Two speed motor into planetary gear reduction
Travel Speed	km/h (mph) High	0 – 12,5 (7.7)
	Low	0 – 4,5 (2.8)
Engine		
Make / Model		Cummins QSB6.7 Tier 3
Engine Type		Turbocharged and aftercooled 6 cylinder
Rated Power @ 2 000 min	kW (hp)	153 (205)
Electrical System		12 volts DC, negative ground; 95A alternator; two 750 cca batteries
Brakes		
		Dynamic hydrostatic through propulsion system
		Spring-applied, hydraulically-released on axle and drum drive motors
Miscellaneous		
Articulation Angle		± 38°
Oscillation Angle		± 15°
Fuel Capacity	l (gal)	267 (70.5)
Hydraulic Oil Capacity	l (gal)	104 (27.5)
Gradeability (theoretical)		60%

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.

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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Ref. No 20000335-B
2012.07
Volvo, Global Marketing

English-21
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