

VOLVO SINGLE DRUM COMPACTORS

SD116DX, SD116F



MORE CARE. BUILT IN.



HANDLE IT ALL, INCLUDING STEEP GRADES

Nothing is too tough for the SD116DX and SD116F single drum soil compactors, not even steep grades. A built-in Ultra-Grade® traction system enhances grade-climbing grip, extending versatility on the most difficult terrain. In addition to axles and drive motors specifically designed for climbing, these compactors are powered by a heavy-duty, 119 kW (160 hp) Cummins turbocharged diesel engine providing abundant torque to propel the SD116DX and SD116F over both highly cohesive and granular soils.



Serviceability

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

Performance Features

- Variable frequency and dual amplitude
- Capability to match vibration frequency to natural frequency of material to achieve optimum compaction

Visibility

- ONE METER BY ONE METER visibility

Safety

- ROPS / FOPS with seat belts
- Safety features include skid-resistant deck with footrest, dual deck rails, seat switch, back-up alarm, horn, and emergency stop

Operator Comfort

- 6-way adjustable premium suspension seat with swivel feature
- Control console includes cup holder and storage
- Premium shock-mounted operator platform
- Tilting steering column with console displaying gauges and switches

Available Options*

- Air pre-cleaner
- Patented two-piece clamp-on padfoot drum shell kit: adds 1 361 kg (3,000 lb)
- Strike-off blade (padfoot model only)
- VPM meter and speedometer
- Automatic vibration on / off and impact meter
- CompAnalyzer
- CompGauge

*Certain options are not available in all markets.

Option Packages

Lights Package

- work light
- beacon lights
- vandal cover

Gauge Package

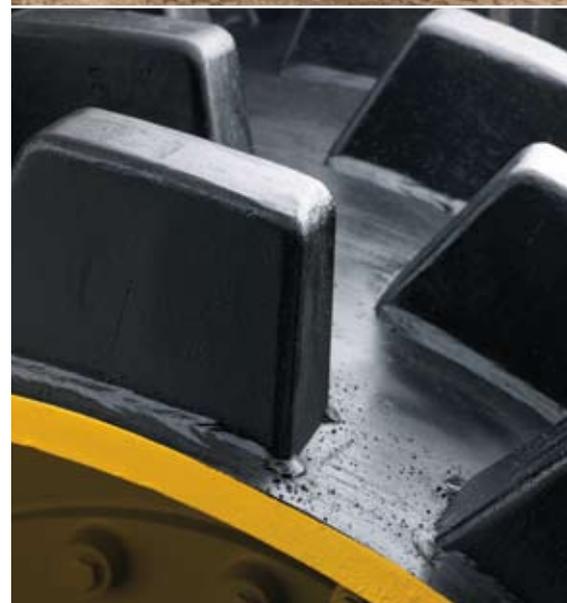
- volt meter
- engine oil pressure gauge

Climate Control Package

- cab with heat and air conditioning

Power to Perform

The Ultra-Grade® traction system is a full-time system providing excellent climbing ability. Additionally, heavy-duty drum drive components and a rear axle with a No-Spin® differential provide application flexibility.



SPECIFICATIONS

Model		SD116DX	SD116F
Machine Weights (w/ ROPS / FOPS)			
Operating Weight (CECE)	kg (lb)	10 852 (23,930)	11 360 (25,050)
Static Weight @ Drum	kg (lb)	6 213 (13,700)	6 598 (14,550)
Static Weight @ Tires	kg (lb)	4 639 (10,230)	4 762 (10,500)
Shipping Weight	kg (lb)	10 716 (23,630)	11 224 (24,750)
Machine Dimensions			
Length	mm (in)	5 895 (232)	5 895 (232)
Width	mm (in)	2 286 (90)	2 286 (90)
Height (top of ROPS / FOPS)	mm (in)	3 091 (121.7)	3 146 (123.9)
Wheelbase	mm (in)	3 100 (122)	3 100 (122)
Curb Clearance	mm (in)	483 (19)	483 (19)
Inside Turning Radius (to drum edge)	mm (in)	3 463 (136)	3 463 (136)
Drum			
Width	mm (in)	2 134 (84)	2 134 (84)
Diameter	mm (in)	1 499 (59)	1 295 (51)
Shell Thickness	mm (in)	25 (1)	25 (1)
Diameter Over Pad Feet	mm (in)	-	1 549 (61)
Number Of Pad Feet		-	112
Pad Height	mm (in)	-	127 (5)
Pad Tip Area	cm ² (sq in)	-	135,3 (21)
Vibration			
Frequency	Hz (rpm)	31 - 34 (1,870 - 2,018)	27,5 - 34 (1,650 - 2,025)
Centrifugal Force	kN (lb)	High	271 (61,000)
		Low	213 (47,900)
Nominal Amplitude	mm (in)	High	1,92 (0.076)
		Low	1,29 (0.051)
Propulsion			
Type System		Hydrostatic, 2-speed motors on planetary axle and drum drive w/ No-Spin® differential	
Tire Size	mm (in)	587 x 660 (23.1 x 26) - 8PR R3	587 x 660 (23.1 x 26) - 8PR R1
Travel Speed	km/h (mph)	High	0 - 13,1 (0 - 8.1)
		Low	0 - 5 (0 - 3.1)
Engine			
Make / Model		Cummins QSB6.7	Cummins QSB6.7
Engine Type		Turbocharged 6-cylinder, Tier 3	
Rated Power @ Installed Speed	kW (hp)	119 (160)	119 (160)
Electrical System		12 volts DC, negative ground; 95 A alternator; two 750 CCA batteries	
Brakes			
Service		Dynamic hydrostatic through propulsion system	
Parking / Secondary		Spring-applied, hydraulically released on axle and drum drive motors	
Miscellaneous			
Articulation Angle		+ / - 38°	+ / - 38°
Oscillation Angle		+ / - 17°	+ / - 17°
Fuel Capacity	l (gal)	257 (68)	257 (68)
Hydraulic Oil Capacity	l (gal)	84 (22)	84 (22)
Gradeability (theoretical)		84%	77%

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



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 – **More care. Built in.**



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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