



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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VOLVO SINGLE DRUM COMPACTORS
**SD122D, SD122DX
SD122F**



MORE CARE. BUILT IN.



POWERFUL COMPACTORS FOR RIGOROUS JOB-SITES.

Volvo SD122 single drum soil compactors provide contractors with increased performance on the toughest and most rugged compaction projects around the globe. Due to their excellent gradeability they are first choice for slope compaction. High engine power to weight ratio and high dynamic force combine to achieve maximum material density in a minimum of passes. A padfoot shell kit easily converts the smooth drum into a padfoot drum for compacting cohesive soils and rock-fill materials.



Serviceability

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

Performance features

- Dual/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.

Standard Features

- CE conformity kit (SD122D and SD122DX version only) including:
- ROPS structure with railings
 - rigid/adjustable steering column
 - working lights
 - sound insulation kit and preliminary air filter
 - towing valve
 - universal scrapers
 - frequency adjustment kit (DX version only)
 - de luxe operator's seat
- Premium isolated platform
Planetary axle with No-Spin differential lock
Back-up alarm, horn, hour meter, battery master switch

Options available

- CE conformity kit for SD122F
ROPS Cab with heating or with air conditioning and heating
Premium suspension seat
Gauge Package
- volt meter
 - engine oil pressure gauge
 - hydraulic oil temperature gauge
- Audible alarm for engine oil pressure, engine coolant temperature, and hydraulics
Working lights for rollers without cab
Traction control system
Inside drum scraper
Strike-off blade for padfoot version
Density meter with vibration indication
Vpm meter and speedometer
CompAnalyzer
CompGauge
Rotating warning beacon
Biodegradable oil

Optional padfoot shell kit

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.

SPECIFICATIONS

Model			SD122D	SD122DX	SD122F
Machine Weight					
Operating Weight (CECE)	kg		11 973	12 086	12 857
Static Weight @ Drum	kg		6 939	6 927	7 698
Shipping Weight	kg		11 771	11 884	12 655
Machine Dimensions					
Length	mm		5 895	5 895	5 895
Width	mm		2 286	2 286	2 286
Height with ROPS/FOPS or cab	mm		3 091	3 091	3 146
Wheelbase	mm		3100	3100	3100
Curb Clearance	mm		483	483	483
Inside turning radius (measured to drum edge)	mm		3 463	3 463	3 463
Drum					
Width	mm		2 134	2 134	2 134
Diameter	mm		1 510	1 510	1 510
Shell thickness	mm		30	30	30
Diameter over Pad Feet	mm		-	-	1 764
Number of Pad Feet	mm		-	-	120
Pad Height	mm		-	-	127
Pad Tip Area	cm ²		-	-	125
Vibration					
Frequency		Hz	30.8 / 33.8 Hz	20.4-33.8	20.4-33.8
Centrifugal Force	high	kN	281	281	293
	low	kN	206	206	284
Nominal Amplitude	high	mm	1.90	1.90	2.03
	low	mm	1.17	1.17	1.31
Propulsion					
System Type	Hydrostatic, two-speed motors on planetary axle and drum drive / No-Spin® differential				
Tire Size	23.1 x 26 -8PR R3			23.1 x 26 -8PR R1	
Drum drive	Two-speed motor into planetary gear reduction				
Travel Speed	high	km/h	0 - 13.1	0 - 13.1	0 - 12.7
	low	km/h	0 - 5.1	0 - 5.1	0 - 4.5
Engine					
Make & Model	Cummins QSB 4.5				
Engine Type	Turbocharged 4 cylinder				
Rated Power @ 2 200 rpm		kW (HP)	119 (162)		
Electrical System	12 Volt DCn negative ground, 95A alternator, two 750 cca batteries				
Brakes					
Service	Dynamic hydrostatic through propulsion system				
Parking	Spring-applied, hydraulically released on axle and drum drive motors				
Miscellaneous					
Articulation Angle			+/- 38°	+/- 38°	+/- 38°
Oscillation Angle			+/- 17°	+/- 17°	+/- 17°
Fuel Capacity	l		257	257	257
Hydraulic Oil Capacity	l		84	84	84
Gradeability (theoretical)	%		68	75	71

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