

VOLVO SOIL COMPACTORS

SD115, SD130

11,5-13,4 t 97-119 kW



HIGH PERFORMANCE COMPACTORS

Volvo 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 dynamic force and heavy drum weight combine to achieve maximum material density in fewer passes.

The new quiet cab has been especially designed for low noise operation. The smart power system further reduces emitted sound power up to 6db while decreasing fuel consumption up to 20%.

Performance

- Dual amplitude and frequency match drum performance to soil natural resonant frequency for optimum compaction. 5 frequency settings are standard on pad foot and optional on smooth drum models.
- Gradeability is "best in class" through Ultra-Grade® traction system.
- Planetary axle with No-Spin differential.
- Two-piece, clamp-on padfoot shell kit (optional) converts smooth drum to padfoot without changes to hydraulics.

Safety

- One meter by one meter front and rear visibility.
- Reduction of noise at operator's ear and environmental noise with (optional) smart power mode.
- Two LED lights (optional) to the front of the cab to illuminate the drum.
- ROPS/FOPS with platform railings.
- Back-up alarm.
- Rotating beacon (option).

Operator Comfort

- Premium suspension seat (cloth seat with cab).
- Optional ROPS cab with heater (also available with air conditioning)**.
- Sound insulation kit and preliminary air filter (with cab option).
- Vibration isolated operator's platform.
- Easy and safe access to and from the cab.
- Large rear window for better rear visibility.

Serviceability

- Remote engine oil drain and hydraulic oil filters and redesigned hydraulic tank fill improve serviceability and reduce risk of spills.
- Rear-hinged engine hood and forward tilting operator platform give access to major components.
- Front frame design prevents material build-up and possible damage to drum drive components.
- Rear-mounted engine radiator with easy access for cleaning.
- Sight gauges for eccentric oil level oil and hydraulic oil tank level.

Additional Options*

- CE kit (includes European cab version).
- Gauge package (volt meter, engine oil pressure gauge, hydraulic oil, temperature gauge).
- Audible alarm (engine oil pressure, engine coolant and hydraulic oil temperature).
- Work lights.
- Road lights.
- Inside drum scraper.
- Urethane scrapers for cold operating conditions.
- Strike-off blade for F versions or D/DX versions with shell kit.
- VPM meter and speedometer.
- CompAnalyzer documentation system and PC analysis software with optional GPS system enhancement.
- CompGauge (density meter with frequency gauge).
- Biodegradable oil.
- Homologation kit (unique for Italy).

* Certain options are not available in all markets.

** Cab is available in European and North American versions.



- New quiet cab for more operator comfort



- Smart power mode reduces sound power and fuel consumption



- Design of front scraper prevents material built up inside



- Easy access to all major components with improved access to oil drain & hydraulic oil fill

SPECIFICATIONS

Model		SD115D	SD115F	SD130D	SD130F
Machine Weights (incl. cabin and inside scraper)					
Operating Weight (CECE)	kg	11 490	12 102	12 815	13 365
Static Weight @ Drum	kg	6 460	7 072	7 470	8 020
Static Linear Load @ Drum	kg/cm	30.27	33.14	35.1	37.6
Static Weight @ Tires	kg	5 030	5 030	5 345	5 345
Shipping Weight	kg	11 306	11 918	12 631	13 181
Machine Dimensions					
Length	mm	5 895	5 895	5 895	5 895
Width	mm	2 286	2 286	2 286	2 286
Height	mm	3 091	3 146	3 091	3 146
Wheelbase	mm	3 100	3 100	3 100	3 100
Curb Clearance	mm	483	483	483	483
Inside Turning Radius (to drum edge)	mm	3 463	3 463	3 463	3 463
Drum					
Width	mm	2 134	2 134	2 134	2 134
Diameter	mm	1 500	1 500	1 500	1 500
Shell Thickness	mm	25	25	30	30
Diameter Of Pad Feet	mm	-	1 702	-	1 764
Number Of Pad Feet	mm	-	120	-	120
Pad Height	mm	-	101	-	127
Pad Tip Area	cm ²	-	125	-	125
Vibration					
Frequency	Hz	30,8 / 33,8 Optional 5 frequency settings	23,3 / 33,8 Optional 5 frequency settings	30,8 / 33,8 Optional 5 frequency settings	23,8 / 25,8 / 27,1 / 30,4 / 33,8
Centrifugal Force	high	kN	264	347	281
	low	kN	206	262	206
Nominal Amplitude	high	mm	1.92	2.14	1.90
	low	mm	1.29	1.39	1.17
Propulsion					
System Type		Hydrostatic, single-speed motor on planetary axle w/ No-Spin® differential and 2-speed drum drive motor		Hydrostatic, two-speed motors on planetary axle and drum drive / No-Spin® differential	
Tire Size	mm (in)	587x660 (23.1x26) - 8PR R3	587x660 (23.1x26) - 8PR R1	587x660 (23.1x26) - 8PR R3	587x660 (23.1x26) - 8PR R1
Drum Drive		Two-speed motor into planetary gear reduction			
Travel Speed	high	km/h	0 - 12,0	0 - 11,3	0 - 10,8
	low	km/h	0 - 8,4	0 - 8,1	0 - 4,6
Engine					
Make & Model		Cummins QSB4.5			
Engine Type		Turbocharged and aftercooled 4-cylinder		Turbocharged 4-cylinder	
Rated Power	kW (HP*)	97 (132) @ 2 200 rpm		119 (162) @ 2 200 rpm	
Exhaust Emission		COM III, Tier 3			
Electrical System		12V, 95A alternator, two 750 CCA batteries			
Brakes					
Service		Dynamic hydrostatic through propulsion system			
Parking		Spring-applied, hydraulically released on axle and drum drive motor			
Miscellaneous					
Articulation Angle		+/- 38°	+/- 38°	+/- 38°	+/- 38°
Oscillation Angle		+/- 17°	+/- 17°	+/- 17°	+/- 17°
Fuel Capacity	L	267	267	267	267
Hydraulic Oil Capacity	L	84	84	84	84
Gradeability (theoretical)	%	55%	60%	68	71

*metric (1 kW = 1,36 hp)

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.

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