

VOLVO SINGLE DRUM COMPACTORS

SD70D, SD70F



MORE CARE. BUILT IN.



PROVEN PERFORMANCE WITH EASY OPERATION

Volvo SD70 vibratory soil compactors are designed with many innovative features that offer excellent drum performance and reliability while providing a safe and comfortable environment for the operator. Both models are engineered to efficiently and effectively compact a variety of soil types while the powerful eccentric system with dual amplitude and frequency provides versatility on thin or thick material lifts.

Performance Features

- Visual warning lights for engine oil pressure, coolant temperature, hydraulic oil temperature, and air cleaner restriction
- Eccentric system with dual amplitude and frequency
- Ergonomically designed, roto-molded plastic operator platform reduces fatigue and allows easy access to all controls
- Gauges for coolant temperature, fuel, hour meter, and tachometer
- Heavy-duty axle with No-Spin® differential
- Hydraulic and eccentric oil level sight gauges
- Engine cover, and fill caps
- Rear-mounted cooling system, easy access for cleaning
- ROPS / FOPS with seat belts (no FOPS with cab option)
- Safety features include skid-resistant deck with footrest, dual deck rails, hand rails, back-up alarm, horn, and emergency stop
- Single control for direction and speed with on/off vibration switch
- Suspension seat with arm rest
- Battery master switch
- ONE METER BY ONE METER visibility

Serviceability

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

Available Options

- Air precleaner
- Audible alarm
- CompAnalyzer
- CompGauge
- Inside drum scraper bar
- Levelling Blade
- Patented 2-piece, clamp-on padfoot shell kit
- Speedometer / VPM meter package

*Certain options are not available in all markets.

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 bolting together the two half-shells and replacing the smooth scraper bar with padfoot teeth.



SPECIFICATIONS

Model		SD70D	SD70F
Machine Weights (w/ ROPS / FOPS)			
Operating Weight (CECE)	kg	7 056	7 586
Static Weight @ Drum	kg	3 653	4 160
Static Weight @ Tires	kg	3 403	3 426
Shipping Weight	kg	6 842	7 372
Machine Dimensions			
Length	mm	5 044	5 044
Width	mm	1 870	1 870
Height (top of ROPS / FOPS)	mm	2 882	2 915
Wheelbase	mm	2 673	2 673
Curb Clearance	mm	385	445
Inside Turning Radius (to drum edge)	mm	3 249	3 249
Drum			
Width	mm	1 676	1 676
Diameter	mm	1 219	1 219
Shell Thickness	mm	22	22
Diameter Over Pad Feet	mm	-	1 372
Number Of Pad Feet		-	84
Pad Height	mm	-	76
Pad Tip Area	cm ²	-	125
Vibration			
Max Frequency	Hz High Amp	30,8	30,8
	Low Amp	33,8	33,8
Max Centrifugal Force	kN High Amp	143	171
	Low Amp	104	135
Nominal Amplitude	mm High Amp	1,98	2
	Low Amp	1,2	1,3
Propulsion			
Tire Size		14,9 x 24 – 6PR R3	14,9 x 24 – 6PR R1
Type System		Hydrostatic, two-speed motor on planetary axle w/ No-Spin® differential and single-speed drum with planetary gear reduction	
Drum Drive		Planetary gear reduction	
Travel Speed	km/h High	0 – 10,9	0 – 11,3
	Low	0 – 7,5	0 – 7,8
Engine			
Make / Model		Kubota V3800DI Tier 3	
Engine Type		Turbocharged 4-cylinder	
Rated Power @ Installed Speed	kW	74,0	74,0
Electrical System		12 volts DC, negative ground; 90 A alternator; 750 CCA battery	
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		+ / - 15°	+ / - 15°
Fuel Capacity	l	178	178
Hydraulic Oil Capacity	l	84	84
Gradeability (theoretical)		78%	70%

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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