

VOLVO SINGLE DRUM COMPACTOR  
**SD77DA**



**MORE CARE. BUILT IN.**



# INCREASED VERSATILITY WITH VOLVO COMPACTORS

The Volvo SD77DA compactor combines proven technologies from the soil and asphalt lines and is designed with dual frequency, eight amplitudes, a machined drum, and auto-reversing eccentrics. The SD77DA is equipped with automatic on / off spray and vibration systems adjusted for machine travel, plus it has many other features commonly found on large highway-class double drum compactors.

## Features

- Audible warning alarms for air cleaner restriction, engine coolant temperature, engine oil pressure, and hydraulic oil temperature
- Color-coded lube chart, remote-mounted hydraulic pressure test ports, and hydraulic filters sight gauge for checking eccentric oil and hydraulic oil reservoirs
- Eccentric rotation matches travel direction
- Eight-position variable amplitude
- Gauges for hour meter, tachometer, engine coolant temperature, fuel, and impact meter
- ONE METER BY ONE METER operator visibility
- One-piece rear engine cover and tilting operator platform provide unobstructed access to engine, coolant system, and hydraulic components
- Pressurized emulsion spray system includes adjustable front and rear drum scrapers with wiper blades and cocoa mats
- Pressurized water system with back-up spray bar, dual pumps, hand-serviceable nozzles, and a three-stage filtration system
- Safety features: ROPS / FOPS, seat belts, seat switch, double-bar guard rails, skid-resistant deck, and back-up alarm
- Travel direction and speed control, horn, emergency stop, water and emulsion control switch, power outlet, parking brake, brake test switch, and keyed ignition switch
- Vibration-isolated operator station with suspension-mounted seat, tilt steering column, fully adjustable swivel seat base, and fold-down adjustable arm rest
- Work lights, two front and two rear

## Available Options\*

- Engine air pre-cleaner
- Gauge package for engine oil pressure, volt meter, and hydraulic oil temperature
- Special paint
- Impact / Auto vib
- CompAnalyzer
- CompGauge

\*Certain options are not available in all markets.



# SPECIFICATIONS

Model	SD77DA	
<b>Machine Weights (w/ ROPS / FOPS)</b>		
Operating Weight (CECE)	kg	7 868
Static Weight @ Drum	kg	4 784
Static Weight @ Tires	kg	3 084
Shipping Weight	kg	7 210
<b>Machine Dimensions</b>		
Length	mm	5 197
Width	mm	1 854
Height (top of ROPS / FOPS)	mm	2 957
Wheelbase	mm	2 771
Curb Clearance	mm	396
Inside Turning Radius (to drum edge)	mm	3 100
<b>Drum</b>		
Width	mm	1 675
Diameter	mm	1 220
Shell Thickness (nominal)	mm	19
<b>Vibration</b>		
Dual Frequency	Hz	31 / 42
Max Centrifugal Force	kN High Amp	116
	Low Amp	26
Max Nominal Amplitude, 8 settings	mm High Amp	1,01
	Low Amp	0,41
<b>Propulsion</b>		
Type System	Hydrostatic, single-speed drum drive motor and 2-speed motor on planetary axle with No-Spin® differential	
Tire Size	mm	330 x 610 – 10 PR-smooth
Travel Speed	km/h High	0 – 13,1
	Low	0 – 8,5
<b>Engine</b>		
Make & Model	Kubota V3800DI Tier 3	
Engine Type	4-cylinder turbocharged	
Rated Power @ Installed Speed	kW	73,8
Electrical System	12 volts DC, negative ground; 95 A alternator; (1) 750 cca battery	
<b>Brakes</b>		
Service	Dynamic hydrostatic through propulsion system	
Parking / Secondary	Spring-applied, hydraulically released on axle	
<b>Water System</b>		
Type / Pump	Pressurized, electric diaphragm pump with flow control	
Tank Capacity	l	492
Drum Spray Nozzles: Main Bar	7 hand-serviceable nozzles	
Drum Spray Nozzles: Auxiliary Bar	6 hand-serviceable nozzles	
<b>Miscellaneous</b>		
Articulation Angle	+ / - 38°	
Oscillation Angle	+ / - 15°	
Fuel Capacity	l	178
Hydraulic Oil Capacity	l	84
Gradeability (theoretical)	55%	
Emulsion Tank Capacity	l	68

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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[www.volvoce.com](http://www.volvoce.com)

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