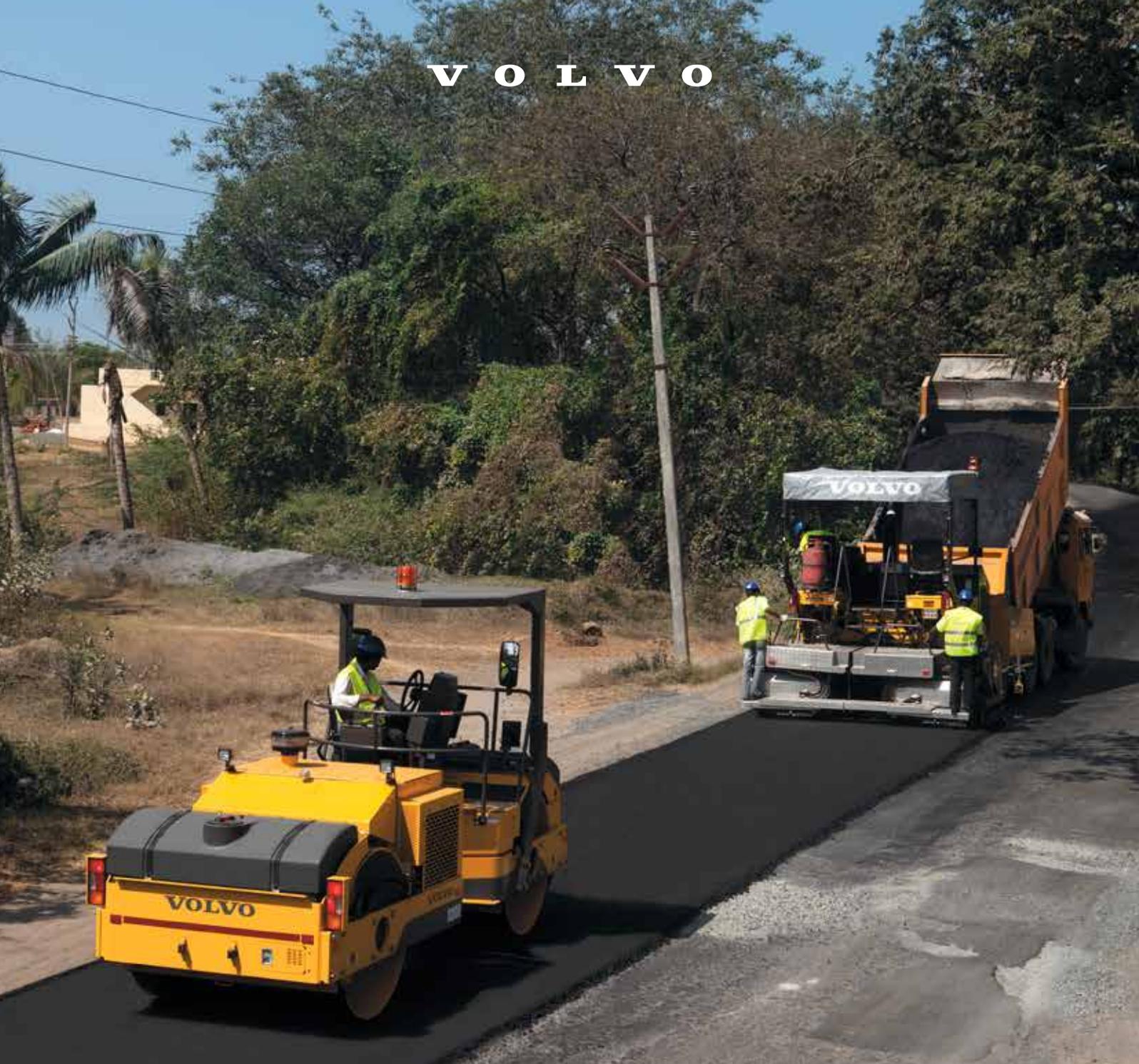


V O L V O



Volvo Double Drum Compactors 10 t / 22.046 lb 97 kW / 130 hp

DD100

Volvo Construction Equipment

The Versatility To Smoothly Do It All

The Volvo DD100 is your versatile performer, providing flexibility to handle varying conditions, widths and applications, from roadways and large parking lots to airport runways. It's the 10-ton double drum asphalt compactor that gives you complete control in choice of amplitudes, frequency and more. The result is a smooth, finished mat achieved with less passes and more profitability.

Selectable eight amplitudes

Eight amplitude settings can be easily adjusted by the operator, allowing for frequent changes as application conditions vary. If conditions warrant an increase in dynamic drum force, changing drum amplitude results in fewer passes and increased productivity. Improves versatility and finishing work quality.



Frequency selections

Operator can easily select between eccentric frequencies from the operator's electronic vibration control. Allows the matching of machine performance to production requirements. Improves finished product quality and profitability.



Variable water flow control

Allows the operator to infinitely and variably adjust water flow required to prevent asphalt sticking to the drum. Using the minimal effective amount saves water usage, decreasing downtime as a result of water refills. Improves finished product. Conserves water.



Automatic eccentric rotation

Eccentric rotation automatically matches the direction of travel, improving mat smoothness with less material distortion. Uses less engine power. Allows the operator to concentrate on other operational responsibilities, eliminating the possibility of neglecting to change the eccentric rotation.





Impact spacing meter

Allows the operator to easily monitor the machine's impact spacing with a control panel-mounted meter. Permits adjustments for travel speed allowing the maintenance of the proper impact spacing needed for asphalt smoothness. Improves finished product quality.



Isolated operator's platform

The operator's platform is rubber isolated to reduce the effect machine vibrations have on the operator. Decreases fatigue for greater operator comfort, safety and prolonged productivity.



See more. Do more

5-position rotating console

Operator's console can be rotated in 5 positions allowing maximum comfort and sight line visibility for enhanced maneuverability.

Variable water flow control

Adjustable water flow to prevent asphalt sticking to the drum. Saves water usage and decreases downtime due to water refills.

Isolated operator's platform

The operator's platform is rubber isolated to reduce the effect machine vibrations have on the operator. Decreases fatigue for greater operator comfort, safety and prolonged productivity.

Frequency selections

Easily select eccentric frequencies from the operator's electronic vibration control, allowing the matching of machine performance to production requirements.

ROPS/FOPS safety

Provides peace of mind and safety by protecting the operator in the event of machine roll over and/or overhead falling objects.

Automatic vibration

Vibration automatically engages or disengages when an operator-selected upper and lower respective travel speed threshold has been reached.



Vandalism protection

Lockable vandal covers protect the console, while lockable engine hoods, fuel cap, water fill cap and deck access doors deter theft and vandalism.

Powerful, efficient engine

Cummins Tier 3/Stage III engine delivers plenty of power, performance and environmental emission compliance.

Selectable eight amplitudes

Easy operator adjustments allow for frequent changes as application conditions vary, improving versatility.

Automatic eccentric rotation

Automatically matches the direction of travel, for improved mat smoothness, less material distortion and use of less engine power.

Superior drum spray system

Pressurized water system provides a consistent water flow to the drum surfaces, eliminating possible asphalt material buildup that can require rework.

Impact spacing meter

Easy monitoring of the impact spacing permits travel speed adjustments that help maintain proper asphalt smoothness.



Your Access To More

Your local Volvo dealer is always there for you. Volvo backs each and every machine with the most knowledgeable people in the industry. We have the solutions to keep you up, running and earning. Strong, dependable equipment. Trusted industry experience. Reliable, genuine Volvo parts and expert service support. Solutions for all your jobs.

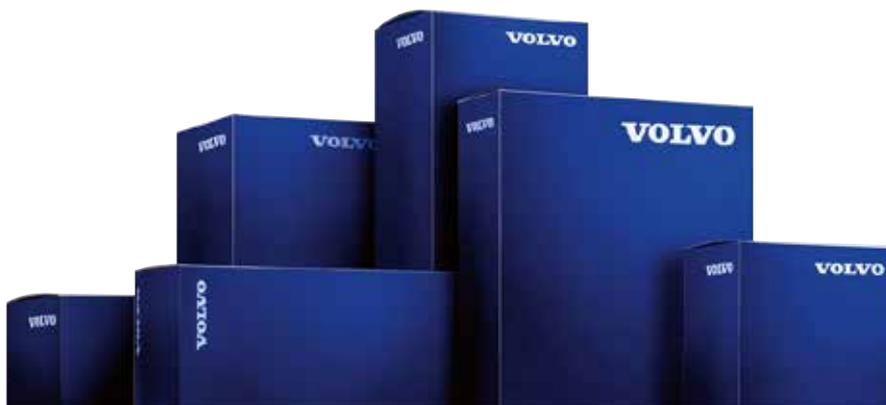


Service & maintenance access

The swing-up hood design provides easy, complete access to the engine and hydraulic components, allowing inspections and maintenance to be performed more efficiently. Unobstructed daily checkpoints with ground-level access to the engine, radiator, battery and filters saves time and helps ensure daily maintenance is properly completed.

Dealer support comes standard

Your local Volvo dealer backs you and your operation with a ready supply of genuine Volvo parts that are perfectly matched to your machine. Your dealer is also ready to help you stay working with expert, trained service and support. With solutions for all your jobs, Volvo helps you improve your owning and operating costs.

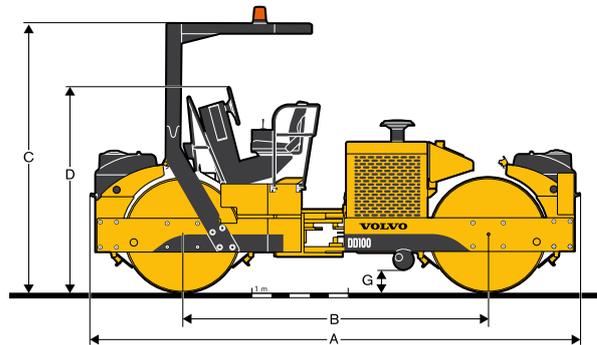


Specifications

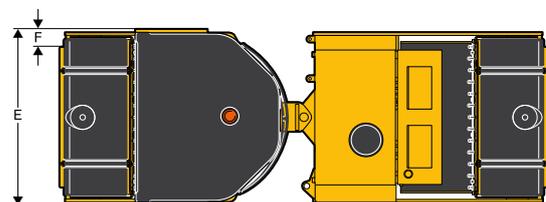
Machine Weight (w/ ROPS)			
Operating Weight	kg (lb)		10.025 (22.101)
Static Weight @ Front Drum	kg (lb)		5.200 (11.464)
Static Weight @ Rear Drum	kg (lb)		4.825 (10.637)
Shipping Weight	kg (lb)		9.338 (20.587)
Drums			
Width	mm (ft in)		1.676 (5'6")
Diameter	mm (ft in)		1.219 (4'0")
Shell Thickness (nominal)	mm (in)		19 (0,75)
Finish			Machined surface; chamfered & radiused edges
Vibration			
Frequency	Hz (vpm)		41,7 / 30,8 (2.502 / 1.848)
Amplitude	mm (in)		0,41 – 1,01 (0,02 – 0,04)
Centrifugal Force Range	kN (lbf)		63,0 – 116,0 (14.163 – 26.078)
Amplitude Settings			8
Propulsion			
Type			Closed-loop hydrostatic, parallel circuit to both drums
Drum Drive			Heavy-duty radial piston motors
Travel Speed	km/h (mph)		0 – 11,4 (0 – 7,1)
Engine			
Make / Model			Cummins QSB 4.5, Tier 3
Engine Type			Turbocharged 4-cylinder
Rated Power @ Installed Speed	kW (hp imp)		96,9 (130)
Electric			
DC, negative ground	Volt		12
Alternator	A		95
Battery (2 absorbed electrolytic)	CCA		800
Brakes			
Service			Dynamic hydrostatic through propulsion system
Parking / Secondary			SAHR on front-drum & rear-drum drive motors
Water System			
Type			Pressure spray drum wetting system with LDPE water tanks
Pumps			Diaphragm water pumps, primary & secondary for each drum
Spray Bars			Primary & secondary spray bars for each drum
Nozzles			Hand-serviceable fan spray nozzles; 7 main, 6 auxiliary per spray bar
Filtration			Basket strainer each tank, water filter each pump, fine filter each nozzle
Drum Wipers			Rubber wiper for each drum
Water Tank Capacity			492 l (130 gal) each tank
Miscellaneous			
Articulation Angle (center pivot steering) (plus/minus)	°		40
Oscillation Angle (plus/minus)	°		10
Inside Turning Radius (to drum edge)	mm (ft in)		3.558 (11'8")
Fuel Capacity	l (gal)		189 (50)
Hydraulic Oil Capacity	l (gal)		133 (35)
Gradeability (theoretical)	%		24,5
Guaranteed Sound Level			
Operator's Ear, acc. to ISO 11203:2009	L _{pA} dB(A)		95

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

Dimensions			
A Overall Length	mm ft in	5.086	16'8"
B Drum Base	mm ft in	3.200	10'6"
C Overall Height (top of ROPS / FOPS)	mm ft in	2.845	9'4"
D Overall Height (top of steering wheel)	mm ft in	2.210	7'3"
E Overall Width	mm ft in	1.910	6'3"
F Side Clearance	mm in	117,5	4,63
G Curb Clearance	mm in	430	16,9



Nine selectable frequencies



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