VOLVO



Volvo Double Drum Compactors 2.6 t 18.2 kW

DD25B

Volvo Construction Equipment



Welcome to our world

Welcome to a world of industry leading machinery. A world where imagination, hard work and technological innovation will lead the way towards developing a future which is cleaner, smarter, and more connected. A world supported by the enduring values of the Volvo Group. A world of stability, sustainability and innovation. A world which we put our customers at the heart of.

Welcome to the world of Volvo Construction Equipment – we think you're going to like it here.

The road to success

Our range of road machinery combines the heritage of the Ingersoll Rand and ABG brands with the engineering excellence of Volvo. The result is a line-up of Volvo pavers and compactors which achieve an unrivalled level of quality, in both paving and compaction applications.

Building on our proud history, we continue to innovate our products to offer customers the best solutions for their operation. Our Compact Assist and Pave Assist products are just two examples of how we are developing intelligent solutions to ensure our machines deliver world-class performance and results long into the future.



Solutions for you

Our industry leading machines are just the start of your relationship with Volvo. As your partner, we have developed an extensive range of additional solutions to help you improve uptime, boost productivity and reduce costs.

Designed for your business

Structured across nine blocks, our portfolio of products and services are designed to complement your machine's performance and boost your profitability. Simply put, we offer some of the best guarantees, warranties and technological solutions in the industry today.

There when you need us

Whether you're buying new or used, our global network of dealers and technicians offer around-the-clock support, including machine monitoring and world-class parts availability. It's the basis of everything offered by Volvo Services, so you can be confident we've got you covered right from the start.



BUILDING TOMORROW

Performance you can count on

Introducing the DD25B, a highly efficient double drum compactor designed to increase performance and reduce fuel consumption on small scale compaction projects. Featuring the new Volvo D1.7A engine, this machine meets the highest requirements. Experience increased machine performance and enhanced productivity with Volvo.

High performance

With Volvo's high frequency compaction, the DD25B can travel faster while still maintaining the correct impact spacing necessary for high productivity and a smooth finish. The frequency can be adjusted to cater for different applications.



Pressurized water system

The DD25B boasts an industry-leading water tank capacity. A rust-proof, pressurized water system provides consistent flow to the front and rear drum surfaces – eliminating asphalt pick-up. Fine filters behind each of the eight spray nozzles minimize clogging and ensure correct fan spray coverage – providing ideal wetting of the drum surface.



Optimized for efficiency

Featuring advanced technology and built on decades of experience, the new Volvo D1.7A engine delivers the ultimate combination of high performance and low fuel consumption. The optimized eccentric system ensures a powerful performance - equivalent to machines fitted with a bigger engine.

Reduced fuel consumption

The engine is perfectly matched to the DD25B's hydraulic system – delivering high performance and a 7% reduction in fuel consumption.





360° VISIBILITY

With an optimally positioned sliding seat, angled drum mounts and a sloping hood design, the DD25B provides industry-leading, all-around visibility. Whether rolling forwards or in reverse, the operator has a clear view of the drum edges and surroundings – delivering precise compaction and improved safety.

The Volvo Experience

Engine compartment

For easy maintenance access, the hinged engine hood tilts forward – providing wide access to the engine and hydraulic components at ground level.

Water level indicator

The operator can easily monitor the water tank level from the seat.

Intermittent water spray

The DD25B boasts an industry-leading water tank capacity. The operator can adjust the time between water sprays to the drums to conserve water and reduce refilling downtime.

Optimized for efficiency

The new Volvo D1.7A engine delivers the ultimate combination of high performance and low fuel consumption.

Urethane drum wipers

Front and rear drum wipers are made of urethane – increasing effectiveness and component lifetime as well as reducing maintenance requirements.

Auto start vibration

Vibration engages automatically when the FSR lever is moved out of neutral and disengages when the lever is put in the stop position. This eliminates the risk of accidental damage to the mat.





360° visibility

With an optimally positioned sliding seat and a sloping engine hood design, the operator will experience industry-leading, all-around visibility.

High performance

With Volvo's high frequency compaction, the DD25B can travel faster while still maintaining the correct impact spacing necessary for high productivity and a smooth finish.

Quick removal of nozzles

Water nozzles can be quickly removed without the need for tools – increasing machine uptime and water system performance.

Maintenance-free bearings

Maintenance-free eccentric bearings are lubricated for life and built to tolerate high temperatures and rotation speeds.

Pressurized water system

A rust-proof, pressurized water system provides consistent flow to the drum surfaces – eliminating asphalt pick-up.

Machined drums

Machined drums with chamfered edges are perfectly round in order to produce a smooth, mark-free mat.

Reduced fuel consumption

The engine is perfectly matched to the DD25B's hydraulic system – delivering high performance and a 7% reduction in fuel consumption.

Maintain your productivity

Volvo machines are built to last. That's why all service points on the DD25B are easy to access for fast maintenance and reduced downtime. The lightweight engine hood opens effortlessly for daily inspection. Combined with Volvo's excellent service support, your DD25B will keep you rolling longer.

Easy-access engine compartment

The engine hood can be easily opened for daily maintenance and inspection. The hinged engine hood design is lightweight and tilts forward with the aid of two gas struts giving wide access to the engine and hydraulic components.





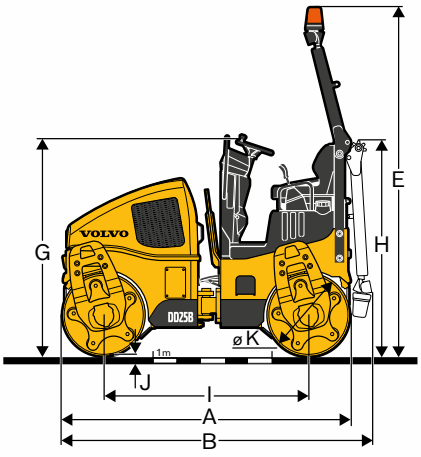
Dealer support comes standard

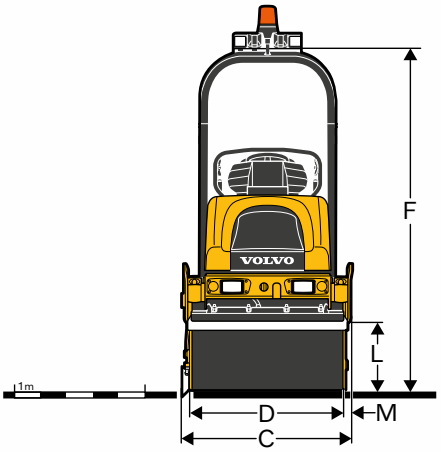
Your local Volvo dealer backs you and your operation with a ready supply of genuine Volvo parts that are perfectly matched to your machine. Your dealer is also ready to help you stay working with expert, trained service and support.

Specifications

Model			DD25B Narrow Drum	DD25B Wide Drum
Machine weights (w/ ROPS)				
Operating weight		kg	2 515	2 640
Weight @ front drum		kg	1 211	1 250
Weight @ rear drum		kg	1 304	1 390
Shipping weight		kg	2 359	2 410
Drum				
Width		mm	1 000	1 200
Diameter		mm	700	700
Shell thickness		mm	13	13
Finish			Machined	
Vibration				
Frequency		Hz	55/66.7	55/66.7
Nominal amplitude		mm	0.54	0.5
Centrifugal force	high	kN	37.5	40.6
	low	kN	25.5	27.7
Propulsion				
Type			Closed-loop hydrostatic	
Drum drive			Radial piston	
Travel speed		km/h	0 – 10.3	0 – 10.3
Engine				
Make / model			Volvo D1.7A	
Engine type			3-cylinder diesel	
Rated power @ installed speed		kW	18.2 kW / 24.8 hp @2 200 r/min	
Electrical			12 volts, 70 A alternator	
Brakes				
Service			Hydrostatic	
Parking secondary			Spring-applied, hydraulic release on each drum	
Water system				
Type			Pre zed	
Nozzles			4 per drum	
Filtration			Inlet and nozzle filtration	
Drum wipers			Spring-loaded, self-adjusting urethane wipers	
Water tank capacity			260	
Miscellaneous				
Articulation angle		°	+ / - 30	
Oscillation angle		°	+ / - 10	
Inside turning radius (to drum edge)		mm	2 800	
Fuel tank capacity		l	40	
Hydraulic oil capacity		l	27	
Gradeability (theoretical)		%	30	
Guaranteed Sound Level				
Operator's Ear, acc. to ISO 11203:2009		L_{pA} dB	87	
External, acc. to Directive 2000/14/EC		L_{WA} dB	106	

Specifications





DIMENSIONS	DD25B	
	Narrow Drum	Wide Drum
Unit	mm	mm
A	2 420	2420
B	2 540	2540
C	1 090	1290
D	1 000	1200
E	2 955	2955
F	2 650	2650
G	1 870	1870
H	2 020	2020
I	1 720	1720
J	13	13
K	700	700
L	490	490
M	45	45




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