

VOLVO DOUBLE DRUM COMPACTORS

# DD25B

2.6 t 25 hp



FSA



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# PERFORMANCE YOU CAN COUNT ON.



## 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.



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 strict Stage IV/ Tier 4 Final emissions regulations without adding an exhaust after-treatment system. 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 from 3,300 vpm to 4,000 vpm to cater for different applications.



#### Optimized for efficiency

The new Volvo D1.7A (18.5 kW/25 hp) engine effectively meets the stringent Stage IV/ Tier 4 Final emissions regulations without the cost or complexity of an exhaust after-treatment system. The optimized eccentric system ensures a powerful performance – equivalent to machines fitted with a bigger engine.



#### 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.



#### Reduced fuel consumption

The Volvo D1.7A engine is perfectly matched to the DD25B's hydraulic system – delivering high performance and a 7% reduction in fuel consumption.

# 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 high performance while meeting the stringent Stage IV/ Tier 4 Final emissions regulations without an exhaust after-treatment system.

## 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.



## Reduced fuel consumption

The Volvo D1.7A engine is perfectly matched to the DD25B's hydraulic system – delivering high performance and a 7% reduction in fuel consumption.





#### **Machined drums**

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



# 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

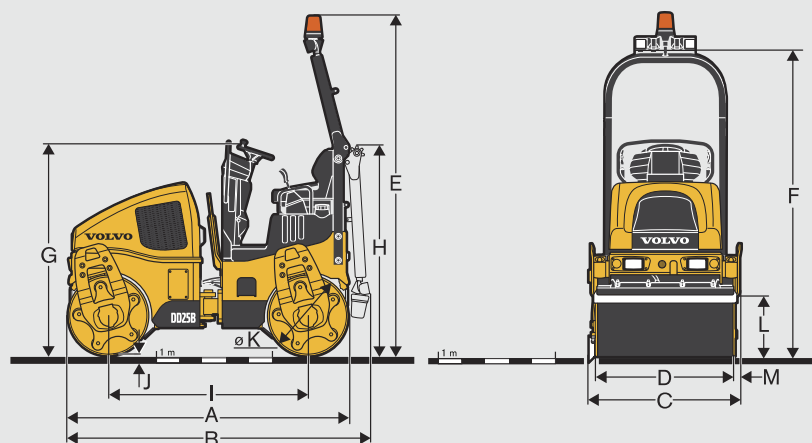
The engine hood can be easily opened for daily maintenance and inspection. The hinged engine hood design is lightweight and tilts forward with the aid of two gas struts giving wide access to the engine and hydraulic components.

## 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	lb		2 515	5,545	2 620	5,776
Weight @ front drum	kg	lb		1 211	2,670	1 270	2,800
Weight @ rear drum	kg	lb		1 304	2,875	1 360	2,998
Shipping weight	kg	lb		2 359	5,201	2 470	5,445
Drum							
Width	mm	in		1 000	39.4	1 200	47.2
Diameter	mm	in		700	27.5	700	27.5
Shell thickness	mm	in		13	0.51	13	0.51
Finish				Machined			
Vibration							
Frequency	Hz	vpm		55/66.7	3,300/4,000	55/66.7	3,300/4,000
Nominal amplitude	mm	in		0.54	0.0210	0.5	0.0197
Centrifugal force	high	kN	lb	37.5	8,430	40.6	9,127
	low			25.5	5,732	27.7	6,227
Propulsion							
Type				Closed-loop hydrostatic			
Drum drive				Radial piston			
Travel speed	km/h	mph		0 – 10.3	0 – 6.4	0 – 10.3	0 – 6.4
Engine							
Make / model				Engine Tier 4 Final - Volvo D1.7A			
Engine type				3-cylinder diesel			
Rated power @ installed speed	kW	hp		18.4 @ 2,200 rpm	25 @ 2,200 rpm	18.4 @ 2,200 rpm	25 @ 2,200 rpm
Electrical	12 volts, 70 A alternator						
Brakes							
Service				Hydrostatic			
Parking secondary				Spring-applied, hydraulic release on each drum			
Water system							
Type				Pressurized			
Nozzles				4 per drum			
Filtration				Inlet and nozzle filtration			
Drum wipers				Spring-loaded, self-adjusting urethane wipers			
Water tank capacity	l	gal		260	69	260	69
Miscellaneous							
Articulation angle				+ / - 30			
Oscillation angle				+ / - 10			
Inside turning radius (to drum edge)	mm	in		2 800	110	2 800	110
Fuel tank capacity	l	gal		40	10.6	40	10.6
Hydraulic oil capacity	l	gal		27	7.2	27	7.2
Gradeability (theoretical)				30			



DIMENSIONS	DD25B Narrow Drum		DD25B Wide Drum	
	mm	in	mm	in
A	2 420	95.3	2 420	95.3
B	2 540	100.0	2 540	100.0
C	1 090	42.9	1 290	50.8
D	1 000	39.4	1 200	47.2
E	2 955	116.3	2 955	116.3
F	2 650	104.3	2 650	104.3
G	1 870	73.6	1 870	73.6
H	2 020	79.5	2 020	79.5
I	1 720	67.7	1 720	67.7
J	13	0.5	13	0.5
K	700	27.6	700	27.6
L	490	19.3	490	19.3
M	45	1.8	45	1.8

# 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 180 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.

## **VOLVO**

**Volvo Construction Equipment**  
**[www.volvoce.com](http://www.volvoce.com)**

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<b>Description</b>	<b>Article</b>
Volvo DD25B Compactor	DD25B
Drum Installation Set 1200mm (47.2" )	DD11003
Stationary Seat	DD14004
Articulation Joint	DD15001
Engine NA/EMEA	DD39007
Standard ROPS	DD48001
Back up alarm	DD51001
Fuel level gauge, electrical	DD52004
Electrical Installation - Std	DD50101
English Manual	DD75025
North American Decals	DD89128
Additional Document Box	DD89900
Decal ULSD Installation	DD89911
FRAME LIFETIME GUARANTEE	DD89801
Worklights FOPS front (2) & rear (2)	DD59708
Strobe (Requires FOPS)	DD59709
Inside Wiper 1200 mm drum (47.2" )	DD81202



**Volvo Construction Equipment North America**  
**Warranty – Disclaimers – Limitations**  
**Limited Warranty for Governmental / Municipalities**

Volvo Construction Equipment North America (“Volvo CE”) hereby extends to its authorized dealers (“Dealer”) and the Dealer’s Governmental / Municipalities customers (“Customer”, and both Dealer and Customer are referred to herein as a “Buyer”), who purchase a new Volvo construction equipment machine (“Machine”) or new Volvo part (“Part”, both of which are referred to herein as a “Product”) from Volvo, the following limited warranty:

Subject to the exceptions and limitations set forth below, Volvo CE or Dealer will repair or replace any part of a new Machine or new Part which proves to be defective in material or workmanship during the following periods (the “Warranty Period”):

- Volvo wheel loaders: 12 months/2500 hours, whichever first occurs
- Volvo articulated haulers: 12 months/2500 hours, whichever first occurs
- Volvo hydraulic excavators: 12 months/2500 hours, whichever first occurs
- Volvo motor graders: 12 months/2500 hours, whichever first occurs
- Volvo compactors: 12 months/1500 hours, whichever first occurs  
24 months unlimited hours on DD90 and larger compactors
- Volvo pavers: 12 months/1500 hours, whichever first occurs  
24 months unlimited hours on 6000 / 7000 series pavers
- Volvo milling: 12 months/1500 hours, whichever first occurs
- Volvo compact wheel loaders (up to 100 net hp.): 12 months/unlimited hours
- Volvo skid steer loaders: 12 months/unlimited hours; Lifetime arm for one-sided
- Volvo compact hydraulic excavators (less than 11 metric tons): 12 months/unlimited hours
- Volvo backhoe loaders: 12 months/unlimited hours
- Volvo engines: 12 months/2500 hours, whichever first occurs
- Volvo parts: 6 months/1500 hours, whichever first occurs
- Volvo remanufactured components: 12 months/2500 hours, whichever first occurs
- Volvo Attachments: 12 months

The Warranty Period commences immediately following the delivery of said Product to the Buyer who first puts said Product into use. The foregoing limited warranty shall include the labor cost to accomplish the repair or replacement of the defective part provided that the repair or replacement was performed by a Dealer.

The foregoing warranty does not cover: (i) any Product found to have been damaged by abuse, accident, other casualty or a failure to maintain or use the warranted Product in accordance with the applicable manuals or instructions (Buyer is required to use only original equipment manufacturer filters during the Warranty Period); (ii) the labor costs to repair or replace defective Parts after the expiration of the Warranty Period of the Machine in which such Part is located; (iii) overtime labor premiums; (iv) costs and expenses associated with the transportation of Dealer’s service personnel to and from the location of the warranted Product; (v) any parts, components, attachments or accessories for which Buyer receives a separate warranty by the manufacturer or producer thereof (in specified cases said warranty may be administered by Volvo CE); (vi) maintenance items or ground engaging parts that have achieved their normal service life.

**DISCLAIMER OF IMPLIED WARRANTIES AND LIMITATION OF REMEDIES**

THE FOREGOING WARRANTY TO BUYER IS EXCLUSIVE AND IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, AND THERE IS NO IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

REMEDIES AVAILABLE TO BUYER ARE LIMITED TO MAKING A CLAIM UNDER THE FOREGOING WARRANTY AND ARE EXCLUSIVE AND EXPRESSLY LIMITED TO OBTAINING THE PARTS AND LABOR IN ACCORDANCE WITH THE TERMS OF SAID WARRANTY.



# **Warranty – Disclaimers – Limitations**

## **LIMITATIONS OF LIABILITY AND DAMAGES**

Regardless of whether a claim against Volvo CE or Dealer is based on the foregoing warranty or is an action in contract, tort (negligence or strict liability) or otherwise, their respective liability for losses, damages or expenses of any kind arising from the design, manufacture, repair or sale of the Products is limited, unless otherwise prohibited by law, to an amount not exceeding the cost performing the obligations contained in the foregoing warranty, and in no event shall their respective or joint liability exceed the value of the Product or part thereof giving rise to such liability.

## **CONSEQUENTIAL AND SIMILAR DAMAGES NOT RECOVERABLE**

Except for performing the obligations of the foregoing warranty in accordance with its terms, Volvo CE and Dealer shall have no liability for loss, damage, or expense, directly or indirectly, attributable to a loss of use of a Product, loss or damage to property other than the Product, loss or damage to the Product or any part thereof or any other economic or commercial loss, including, without limitation, lost profits or special or consequential damages (except liability for any type of consequential damages which by law may not be disclaimed). The parties intend that this prohibition against consequential and similar damages will survive and be effective even if the limitation of remedies in the foregoing sections is found to fail of its essential purpose under section 2-719 of the Uniform Commercial Code.

## **ALLOCATION OF RISK**

The foregoing warranty disclaimers, limitations of liability and limitation of remedies are bargained allocations of risks among (i) the Customer who purchased the Product; (ii) the Dealer who sold the Product, and (iii) Volvo CE, which is a third party beneficiary of the contract of sale between the Customer and the Dealer. The Buyer of the Product accepts the foregoing warranty and the other bargained for allocations of risk as part of the agreed price for the purchase of the Product to which the foregoing warranty applies. Volvo CE is prepared to offer different warranties and other allocations of risk for other prices. However, any such change in the warranty or the allocation of risks must be confirmed in writing by Volvo CE.

## **STATUTE OF LIMITATIONS**

Any action by a Buyer of a Product for breach of contract, for breach of warranty arising under, or for a cause of action arising out of the sale of a Product, whether based on contract, tort (negligence or strict liability) or otherwise, shall be commenced within one (1) year after the cause of action has accrued. Any such cause of action shall be deemed to have accrued at the earlier of (i) the discovery of the defect or breach, or (ii) the expiration of the applicable Warranty Period.