

VOLVO DOUBLE DRUM COMPACTOR

DD29



MORE CARE. BUILT IN.



LEADING THE INDUSTRY IN PERFORMANCE, SAFETY, AND DURABILITY

Volvo Construction Equipment offers a vibratory compactor with stellar performance and unsurpassed value. The DD29 features drums with 66,7 Hz frequency—the same high frequency found in much larger machines—to give you better speed and higher productivity. Built for comfort and safety as well, this double-drum compactor offers a competitive advantage in hot mix asphalt, soil sub-base, aggregate-base, and numerous other applications.



Performance Features

• Drum performance

- 66,7 Hz frequency provides optimal impact spacing at higher rolling speeds
- Operator can choose front-drum vibration only, double-drum vibration, or static mode
- Machined drum surface has chamfered edges to produce a professional quality finish on each job

• Industry-leading water system

- 299 l water tank, full-day fuel capacity extend operating intervals
- Water flows only when the compactor is moving (in automatic mode)
- Standard pressurized spray system distributes water coverage evenly across each drum

• Operations

- High curb and low side clearances allow efficient maneuvering around jobsite obstacles
- Isolation of the vibratory drum and operator platform enhances operator comfort and safety
- Propulsion and vibration controls are conveniently designed for comfort, simplicity, and ease of use

• Serviceability

- Unobstructed daily checkpoints
- Easy-to-lift engine enclosure
- Ground-level access to engine, radiator, battery, and filters
- Color-coded service charts with detailed checkpoints, service intervals, and lubricant info

• Comfort and safety

- Seat belt warning system: continuous alarm until seat belt is fastened
- Easy access to primary controls
- Vibration-isolated and molded skid-resistant platform with kick plates for added safety
- Standard safety features include: Roll Over Protective Structure (ROPS), convenient grab handle on both sides of compactor, spring-applied, hydraulically released parking brake (SAHR), emergency stop switch, seat switch, and propulsion control with neutral start
- Fully adjustable sliding seat

Available Options

- | | |
|--|----------------------------------|
| - Cocoa mats | - Inside scraper |
| - Flashing strobe | - LED high intensity work lights |
| - Foldable ROPS | - Low fuel alarm |
| - Gauge package (includes engine coolant temperature, engine oil pressure and voltmeter) | - Remote hydraulic test ports |
| - Hazard and turn signals | - Special paint |
| | - Urethane wipers |
| | - Vandal cover |
| | - Water strainer |

SPECIFICATIONS

Model	DD29	
Machine Weights (w/ ROPS)		
Operating Weight	kg	2 873
Static Weight @ Front Drum	kg	1 347
Static Weight @ Rear Drum	kg	1 526
Shipping Weight	kg	2 641
Machine Dimensions		
Length	mm	2 556
Width	mm	1 363
Height — Top Of Steering Wheel	mm	1 824
Height — Top Of ROPS	mm	2 525
Drum Base	mm	1 725
Drum		
Width	mm	1 250
Diameter	mm	732
Shell Thickness	mm	12
Finish		Machined, chamfered edge
Vibration		
Frequency	Hz	66,7
Centrifugal Force	kN	32
Nominal Amplitude	mm	0,40
Type System		Open-loop, series circuit
Vibrating Drums		Both or front only
Propulsion		
Type System		Closed-loop, hydrostatic, parallel circuit
Drum Drive		Pump: axial piston; Motor: radial piston, low speed, high torque
Speed	km/h	0 – 10,6
Gradeability (theoretical)		41%
Brakes		
Service		Dynamic hydrostatic through propulsion system
Parking / Secondary		Spring-applied, hydraulically released (SAHR) on each drum drive
Engine		
Make & Model		Kubota V2203M Tier 4A
Rated Power @ Installed Speed	kW	31,3 @ 2 450 rpm
Type		4-cylinder diesel
Steering		
Design		Centerpoint articulation
Type System		Double-acting, hydraulic, 1-cylinder
Articulation Angle		+ / - 30°
Outside Turning Radius	mm	3 847
Water System		
Type		Pressurized
Pump		Electric, diaphragm
Tank Capacity	l	299
Filters		100 mesh screen @ nozzles, 80 mesh in-line
Drum Wipers Type		Spring-loaded, self-adjusting, neoprene wipers
Miscellaneous		
Fuel Capacity	l	68,1
Hydraulic Oil Capacity	l	84,9
Oscillation		+ / - 10°
Curb Clearance — Vibration / Traction	mm	481
Side Clearance	mm	57

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

Volvo Construction Equipment
www.volvoce.com

Ref. No. VOE 21 C 100 4024
Printed in Sweden 2009.08-5,0
Volvo, Sweden

English