

VOLVO DOUBLE DRUM COMPACTOR

**DD132HF**



# ACCELERATE YOUR PRODUCTIVITY

The Volvo DD132HF is a 13,5 tonne (**14.9 ton**), 2 135 mm (**84"**) drum, dual-amplitude, high-frequency asphalt compactor. The high-frequency design allows for faster rolling speeds to deliver maximum productivity and keep up with today's faster paving speeds. Dual amplitude allows the operator to easily select between high amplitude for thick lift jobs and low amplitude for light overlay work.

## Serviceability

- Complete access to engine compartment through rear-hinged, 1-piece composite engine hood

## Performance Features

- Exclusive machined drums with chamfered, radiused drum edges minimize drum edge marking
- High-frequency vibration system of 66,7 Hz (**4,000 vpm**) offers faster rolling speeds for increased production
- Industry-leading amplitude on high-frequency model for compaction on thicker lifts or stiffer mix designs
- Patented Impact Spacing Meter provides operator with a visual reference for speed control to maintain proper impact spacing, resulting in consistent smoothness
- Smart start drum vibration system — vibration initiates with lead drum, followed by trailing drum for compaction efficiency
- Superior drum spray system to maintain maximum productivity
  - 12 spray nozzles on each spray bar, more closely spaced for better drum coverage
  - Dual drum wipers as standard equipment
  - Independent primary and secondary spray systems
  - Variable waterflow control to conserve water

## Operator Comfort

- ONE METER BY ONE METER visibility around the unit
- Premium shock- and vibration-isolated operator platform and ROPS / FOPS, with 5-position swivel console
- ROPS / FOPS support legs positioned for unobstructed side visibility
- Ergonomic design of switches and controls promotes smooth and efficient operation: lighted instrumentation makes evening and nighttime work easier
- Swivel console places controls within optimum reach as part of the operator platform, a 5-position swivel console optimizes operator performance

## Available Options

- Back-up alarm
- Cocoa mats
- Density gauge
- Engine air pre-cleaner
- Engine grid heater
- Front and rear halogen work lights
- Fuel strainer
- High Intensity Discharge (HID) lighting with drum edge lighting
- Infrared pavement surface temperature sensor
- Maintenance package
- Strobe light
- Urethane wipers



# SPECIFICATIONS

Model	DD132HF	
<b>Machine Weights (w/ ROPS / FOPS)</b>		
Operating Weight (CECE)	kg (lb)	13 752 (30,325)
Weight @ Front Drum	kg (lb)	7 202 (15,880)
Weight @ Rear Drum	kg (lb)	6 550 (14,445)
Shipping Weight	kg (lb)	13 028 (28,728)
<b>Machine Dimensions</b>		
Length	mm (in)	5 995 (236)
Width	mm (in)	2 337 (92)
Height — Top Of Steering Wheel	mm (in)	2 382 (93.8)
Height — Top Of ROPS / FOPS	mm (in)	3 179 (125.2)
Drum Base	mm (in)	3 550 (139.8)
Curb Clearance	mm (in)	509 (20)
Inside Turning Radius (to drum edge)	mm (in)	4 562 (179.6)
<b>Drum</b>		
Width	mm (in)	2 135 (84)
Diameter	mm (in)	1 400 (55.1)
Shell Thickness (nominal)	mm (in)	20 (0.78)
Finish		Machined surface; chamfered & radiused edges
<b>Vibration</b>		
Frequency	Hz (vpm) High Low	66,7 (4,000) 45 (2,700)
Nominal Amplitude	mm (in) High Low	0,88 (0.035) 0,35 (0.014)
Centrifugal Force	kN (lb) High Low	185,6 (41,720) 163,2 (36,680)
<b>Propulsion</b>		
Type		Closed-loop hydrostatic, parallel circuit to both drums
Drum Drive		Heavy-duty radial piston LSHT motors; 2-speed rear motor
Travel Speed Range	km/h (mph)	0 - 9,9 (0 - 6.2)
Compaction Speed Range	km/h (mph)	0 - 7,5 (0 - 4.6)
<b>Engine</b>		
Make / Model		Cummins QSB 4,5 Tier 3
Engine Type		Turbocharged & charge air-cooled 6-cylinder
Rated Power @ Installed Speed	kW (hp)	110 (148)
Electrical		12 volts DC, negative ground; 95 A alternator
<b>Brakes</b>		
Service		Dynamic hydrostatic through propulsion system
Parking / Secondary		SAHR on front-drum & rear-drum drive motors
<b>Water System</b>		
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; 12 per spray bar
Filtration		Sock strainer each tank, primary water filter each pump; fine filter each nozzle
Drum Wipers		Front & rear rubber wipers for each drum
Water Tank Capacity	l (gal)	1 241 (328)
<b>Miscellaneous</b>		
Articulation Angle (center pivot steering)		+ / - 35°
Oscillation Angle		+ / - 10°
Fuel Tank Capacity	l (gal)	259 (68.4)
Hydraulic Oil Capacity	l (gal)	121,1 (32)
Gradeability (theoretical)		32%

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

# 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**

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Ref. No 20032458-A  
2012.07  
Volvo, Global Marketing

English-22  
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