

Volvo Construction Equipment
Building Tomorrow



DD38_{HF}

Volvo Double Drum Compactors 3.1-3.8 t 31.3 kW



Ultra performance in a smaller package

Volvo DD38HF vibratory compactors offer high performance for both commercial and main-line paving contractors in all three critical areas of compaction: productivity, density, and smoothness. This model also has full-day fuel operation, large water capacity, and high frequency, making efficiency a strength of this line.

PERFORMANCE FEATURES

• Comfort and safety

- Isolated vibratory drums and 4-point isolation of the operator platform to minimize vibration feedback
- Dual-side access, spring-applied, hydraulically released parking brake with test switch, Roll Over Protective Structure (ROPS), emergency stop switch, seat switch, and propulsion control with neutral start
- Seat belt warning system: continuous alarm until seat belt is fastened
- Fully adjustable sliding seat

• Drum performance

- Durable carbon steel and thick shells prolong drum life

• Gradeability and tractability

- The TwinLock™ traction control and torque transfer system minimizes drum slippage, delivering superior drum control at all speeds and in both directions

• Industry-leading water system

- 299 l water tank, standard pressurized water system, hand-serviceable water nozzles, and double-filtration
- Water flows only when the compactor is moving (in automatic mode)

• Serviceability

- Unobstructed daily checkpoints, easy-to-lift engine enclosure, plus ground-level access to the engine, radiator, battery, and filters
- Color-coded service charts show detailed checkpoints, service intervals, and proper lubricants

OPTIONS

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



Specifications

MODEL		DD38HF
Machine Weight (w/ ROPS / FOPS)		
Operating Weight	kg	3 809
Static Weight @ Front Drum	kg	1 780
Static Weight @ Rear Drum	kg	2 029
Shipping Weight	kg	3 577
Dimensions		
Length	mm	2 556
Width	mm	1 485
Height (top of steering wheel)	mm	1 826
Height (top of ROPS)	mm	2 529
Drum Base	mm	1 725
Drums		
Width	mm	1 375
Diameter	mm	739
Shell Thickness (nominal)	mm	16
Finish		Machined / chamfered edge
Vibration		
Frequency	Hz	70
Centrifugal Force	kN	36
Nominal Amplitude	mm	0,33
Lubrication		Oil splash
Type System		Open-loop, series circuit
Vibrating Drums		Both or front only
Vibration Isolation		6 shear block isolators per drum
Propulsion		
Type		Closed-loop, hydrostatic, TwinLock
Drum Drive		Pump: axial-piston; Motor: radial piston, low-speed, high-torque
Speed Range	km/h	0 – 10
Gradeability (theoretical)		38%
Engine		
Make / Model		Kubota V2203M Tier 4A
Engine Type		4-cylinder diesel
Output at installed speed	kW	31.4 at 2 450 rpm
	HP	42.1 at 2 450 rpm
Electrical		12 volts DC, negative ground; 40 A alternator
Battery		800 CCA
Brakes		
Service		Dynamic hydrostatic through propulsion system
Parking / Secondary		Spring-applied, hydraulically released on each drum drive
Steering		
Design		Centerpoint articulation
Type System		Double-acting, hydraulic, single-cylinder
Articulation Angle		+ / - 30°
Outside Turning Radius	mm	3 907
Water System		
Type		Pressurized
Pump		Electric, diaphragm
Nozzle Quantity Per Drum		5 hand-serviceable nozzles
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
Hydraulic Capacity	l	84.8
Oscillation		+ / - 10°
Curb Clearance	mm	608
	Traction	615
Side Clearance	mm	57
Guaranteed Sound Level		
Operator's Ear, acc. to ISO 6396	LpA dB(A)	86
External, acc. to Directive 2000/14/EC	LwA dB(A)	106

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