



Volvo Construction Equipment

# DD38<sub>HF</sub>

Volvo Double Drum Compactors 3.8 t / 8,400 lb 42 hp



# 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. Both models also have 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 (79 gal) 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
<b>Machine Weight (w/ ROPS / FOPS)</b>		
Operating Weight	kg (lb)	3 809 (8,400)
Static Weight @ Front Drum	kg (lb)	1 780 (3,925)
Static Weight @ Rear Drum	kg (lb)	2 029 (4,475)
Shipping Weight	kg (lb)	3 577 (7,888)
<b>Dimensions</b>		
Length	mm (in)	2 556 (101)
Width	mm (in)	1 485 (58.5)
Height (top of steering wheel)	mm (in)	1 826 (71.9)
Height (top of ROPS)	mm (in)	2 529 (99.5)
Drum Base	mm (in)	1 725 (67.9)
<b>Drums</b>		
Width	mm (in)	1 375 (54.1)
Diameter	mm (in)	739 (29.1)
Shell Thickness (nominal)	mm (in)	16 (0.63)
Finish		Machined / chamfered edge
<b>Vibration</b>		
Frequency	Hz (vpm)	70 (4,200)
Centrifugal Force	kN (lb)	36 (8,200)
Nominal Amplitude	mm (in)	0.33 (0.013)
Lubrication		Oil splash
Type System		Open-loop, series circuit
Vibrating Drums		Both or front only
Vibration Isolation		6 shear block isolators per drum
<b>Propulsion</b>		
Type		Closed-loop, hydrostatic, TwinLock
Drum Drive		Pump: axial-piston; Motor: radial piston, low-speed, high-torque
Speed Range	km/h (mi/h)	0 - 10 (0 - 6.2)
Gradeability (theoretical)		0.38
<b>Engine</b>		
Make / Model		Kubota V2203M Tier 4A
Engine Type		4-cylinder diesel
Rated Power @ Installed Speed	kW (hp)	31.4 (42.1)
Electrical		12 volts DC, negative ground; 40 A alternator
Battery		800 CCA
<b>Brakes</b>		
Service		Dynamic hydrostatic through propulsion system
Parking / Secondary		Spring-applied, hydraulically released on each drum drive
<b>Steering</b>		
Design		Centerpoint articulation
Type System		Double-acting, hydraulic, single-cylinder
Articulation Angle		+ / - 30°
Outside Turning Radius	mm (in)	3 907 (153.8)
<b>Water System</b>		
Type		Pressurized
Pump		Electric, diaphragm
Nozzle Quantity Per Drum		5 hand-serviceable nozzles
Tank Capacity	l (gal)	299 (79)
Filters		100 mesh screen @ nozzles, 80 mesh in-line
Drum Wipers Type		Spring-loaded, self-adjusting, neoprene wipers
<b>Miscellaneous</b>		
Fuel Capacity	l (gal)	68 (18)
Hydraulic Capacity	l (gal)	84.8 (22.4)
Oscillation		+ / - 10°
Curb Clearance	mm (in) Vibration	608 (23.9)
	Traction	615 (24.2)
Side Clearance	mm (in)	57 (2.2)
<b>Guaranteed Sound Level</b>		
Operator's Ear, acc. to ISO 11203:2009	LpA dB(A)	86
External, acc. to Directive 2000/14/EC	LwA dB(A)	106

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

**VOLVO**

**Volvo Construction Equipment**

[www.volvoce.com](http://www.volvoce.com)