



Volvo Double Drum Compactors 3.8 t / 8,400 lb 31.3 kW 42 hp

DD38HF

Volvo Construction Equipment

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.



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



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)



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



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



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



Drum performance

- Durable carbon steel and thick shells prolong drum life



Specifications

Model			DD38HF	
Machine Weight (w/ ROPS / FOPS)				
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
Dimensions				
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
Drums				
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			
Vibration				
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			
Propulsion				
Type	Closed-loop, hydrostatic, TwinLock			
Drum Drive	Pump: axial-piston; Motor: radial piston, low-speed, high-torque			
Speed Range	km/h	mph	0 – 10	0 – 6,2
Gradeability (theoretical)	0,38			
Engine				
Make / Model	Kubota V2203M Tier 4A			
Engine Type	4-cylinder diesel			
Rated Power @ Installed Speed	kW		31,4	
	hp (metric)	hp (imperial)	42,7	42,1
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	in	3.907	153,8
Water System				
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			
Miscellaneous				
Fuel Capacity	l	gal	68	18
Hydraulic Capacity	l	gal	84,8	22,4
Oscillation	+ / - 10°			
Curb Clearance	mm	in	608	23,9
	Vibration			
	Traction		615	24,2
Side Clearance	mm	in	57	2,2
Guaranteed Sound Level				
Operator's Ear, acc. to ISO 11203:2009	L _{pA} dB(A)		86	
External, acc. to Directive 2000/14/EC	L _{wA} dB(A)		106	

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

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