



Volvo Double Drum Compactors 1.5-1.6 t / 3,370-3,600 lb 16.4 hp

DD15

Volvo Construction Equipment

Leading The Industry In Performance, Safety, And Durability

Volvo Construction Equipment offers vibratory compactors with stellar performance and unsurpassed value. DD15 features a drum with 66,7 Hz (4,000 vpm) 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, these double-drum compactors offer a competitive advantage in hot mix asphalt, soil sub-base, aggregate-base, and numerous other applications.

Drum performance



- 66,7 Hz (4,000 vpm) frequency provides optimal impact spacing at higher rolling speeds
- DD15 Wide Drum: double-drum vibration, or static mode
- DD15 Narrow Drum: front drum vibration / double drum vibration / static only
- Machined drum surface has chamfered edges to produce a professional quality finish on each job
- Durable carbon steel and thick shells prolong drum life

Operations



- Full-day fuel capacity extend operating intervals
- High curb and minimal side clearances allow efficient maneuvering around 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

Industry-leading water system



- 197 l (52 gal) water tank
- Water flows only when the compactor is moving (in automatic mode)
- Standard pressurized spray system distributes water coverage evenly across each drum

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



- 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 shut down switch, and propulsion control with neutral start

Available Options



- Audible alarm
- CE Certification
- Foldable ROPS
- Hazard and turn signals
- Hydraulic test ports
- Inside wipers
- Low fuel alarm
- Special paint
- Strobe light
- Urethane wipers
- Water strainer
- Work lights



Specifications

Model		DD15	
		Narrow Drum	Wide Drum
Machine Weights (w/ ROPS)			
Operating Weight	kg (lb)	1.529 (3.372)	1.633 (3.601)
Static Weight @ Front Drum	kg (lb)	715 (1.577)	744 (1.641)
Static Weight @ Rear Drum	kg (lb)	814 (1.795)	889 (1.960)
Shipping Weight	kg (lb)	1.356 (2.990)	1.460 (3.220)
Static Linear Load @ Front Drum	kg/cm (lb/in)	7,97 (44,5)	7,44 (41,6)
Static Linear Load @ Rear Drum	kg/cm (lb/in)	9,04 (50,7)	8,89 (49,7)
Machine Dimensions			
Length	mm (in)	2.035 (80,1)	2.035 (80,1)
Width	mm (in)	1.018 (40,1)	1.085 (42,7)
Height — Top Of Steering Wheel	mm (in)	1.534 (60,4)	1.534 (60,4)
Height — Top Of ROPS	mm (in)	2.240 (88,2)	2.240 (88,2)
Drum Base	mm (in)	1.400 (55,1)	1.400 (55,1)
Drum			
Width	mm (in)	900 (35,4)	1.000 (39,4)
Diameter	mm (in)	560 (22)	560 (22)
Shell Thickness	mm (in)	12 (0,47)	12 (0,47)
Finish		Machined, chamfered edge	
Vibration			
Frequency	Hz (vpm)	66.7 (4.000)	66,7 (4.000)
Centrifugal Force	kN (lb)	15.6 (3.500)	17,8 (4.000)
Nominal Amplitude	mm (in)	0.37 (0,015)	0,40 (0,016)
Type System		Open-loop, series circuit	
Vibrating Drums		Both or front only	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 (mph)	0 – 6,3 (0 – 3,9)	0 – 6,3 (0 – 3,9)
Gradeability (theoretical)		33,5%	32,5%
Brakes			
Service		Dynamic hydrostatic through propulsion system	
Parking / Secondary		Spring-applied, hydraulically released (SAHR) on each drum drive	
Engine			
Make & Model		Kubota D722-B T4F	Kubota D722-B T4F
Rated Power at Installed Speed	kW (hp)	12,2 (16,4) at 3.000 r/min	
Type		3-cylinder diesel	3-cylinder diesel
Steering			
Design		Centerpoint articulation	
Type System		Double-acting, hydraulic, 1-cylinder	
Articulation Angle		+ / - 34º	+ / - 34º
Outside Turning Radius	mm (in)	2.740 (108)	2.790 (110)
Water System			
Type		Pressurized	
Pump		Electric, diaphragm	
Tank Capacity	l (gal)	197 (52)	197 (52)
Filters		100 mesh screen @ nozzles, 80 mesh in-line	
Drum Wipers Type		Spring-loaded, self-adjusting, neoprene wipers	
Miscellaneous			
Fuel Capacity	l (gal)	29,5 (7,8)	29,5 (7,8)
Hydraulic Oil Capacity	l (gal)	34,1 (9)	34,1 (9)
Oscillation		+ / - 10º	+ / - 10º
Curb Clearance — Vibration / Traction	mm (in)	337 (13,3) / 440 (17,3)	440 (17,3) / 440 (17,3)
Side Clearance	mm (in)	49 (1,9)	42 (1,7)
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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