

VOLVO DOUBLE DRUM COMPACTORS

# DD14S, DD16



# LEADING THE INDUSTRY IN PERFORMANCE, SAFETY, AND DURABILITY

Volvo Construction Equipment offers vibratory compactors with stellar performance and unsurpassed value. The DD14S and DD16 feature drums with 66,7 Hz 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.

## Performance Features

### • Drum performance

- 66,7 Hz frequency provides optimal impact spacing at higher rolling speeds
- DD16 front-drum vibration only, double-drum vibration, or static mode
- DD14S front 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

### • Industry-leading water system

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

### • 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

### • Serviceability

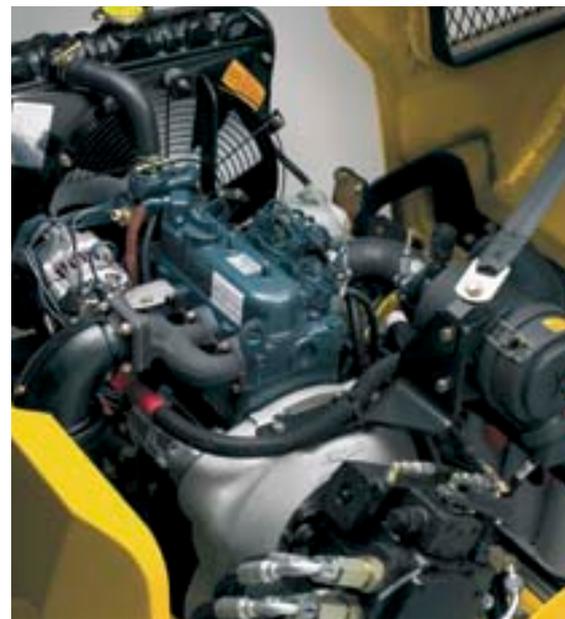
- Unobstructed daily checkpoints
- Easy-to-lift engine enclosure
- Ground-level access to engine, radiator, battery, and filters
- Color-coded service charts with detailed checkpoints, service intervals, and lubricant info

### • 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
- Series traction control
- Special paint
- Strobe light
- Urethane wipers
- Water strainer
- Work lights



# SPECIFICATIONS

Model		DD14S	DD16
<b>Machine Weights (w/ ROPS)</b>			
Operating Weight	kg	1 519	1 619
Static Weight @ Front Drum	kg	712	739
Static Weight @ Rear Drum	kg	807	880
Shipping Weight	kg	1 342	1 442
Static Linear Load @ Front Drum	kg/cm	7,91	7,39
Static Linear Load @ Rear Drum	kg/cm	8,97	8,80
<b>Machine Dimensions</b>			
Length	mm	2 035	2 035
Width	mm	1 018	1 085
Height — Top Of Steering Wheel	mm	1 534	1 534
Height — Top Of ROPS	mm	2 240	2 240
Drum Base	mm	1 400	1 400
<b>Drum</b>			
Width	mm	900	1 000
Diameter	mm	560	560
Shell Thickness	mm	12	12
Finish		Machined, chamfered edge	
<b>Vibration</b>			
Frequency	Hz	66,7	66,7
Centrifugal Force	kN	15,6	17,8
Nominal Amplitude	mm	0,37	0,40
Type System		Open-loop, series circuit	
Vibrating Drums		Front drum only	Both or front only
<b>Propulsion</b>			
Type System		Closed-loop, hydrostatic, parallel circuit	
Drum Drive		Pump: axial piston; Motor: radial piston, low speed, high torque	
Speed	km/h	0 – 6,3	0 – 6,3
Gradeability (theoretical)		33,5%	32,5%
<b>Brakes</b>			
Service		Dynamic hydrostatic through propulsion system	
Parking / Secondary		Spring-applied, hydraulically released (SAHR) on each drum drive	
<b>Engine</b>			
Make & Model		Kubota D722-B Tier 4	Kubota D722-B Tier 4
Rated Power @ Installed Speed	kW	12,4	12,4
Type		3-cylinder diesel	3-cylinder diesel
<b>Steering</b>			
Design		Centerpoint articulation	
Type System		Double-acting, hydraulic, 1-cylinder	
Articulation Angle		+ / - 34°	+ / - 34°
Outside Turning Radius	mm	2 740	2 790
<b>Water System</b>			
Type		Pressurized	
Pump		Electric, diaphragm	
Tank Capacity	l	197	197
Filters		100 mesh screen @ nozzles, 80 mesh in-line	
Drum Wipers Type		Spring-loaded, self-adjusting, neoprene wipers	
<b>Miscellaneous</b>			
Fuel Capacity	l	29,5	29,5
Hydraulic Oil Capacity	l	34,1	34,1
Oscillation		+ / - 10°	+ / - 10°
Curb Clearance — Vibration / Traction	mm	337 / 440	440 / 440
Side Clearance	mm	49	42

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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