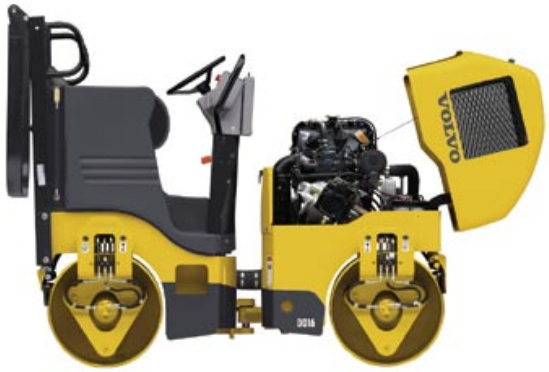
VOLVO DOUBLE DRUM COMPACTORS

DD14S, DD16

MORE CARE. BUILT IN.

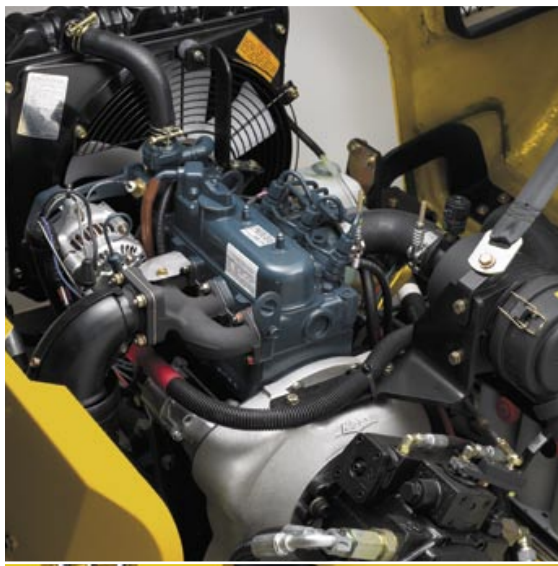
LEADING THE INDUSTRY IN PERFORMANCE, SAFETY, AND DURABILITY

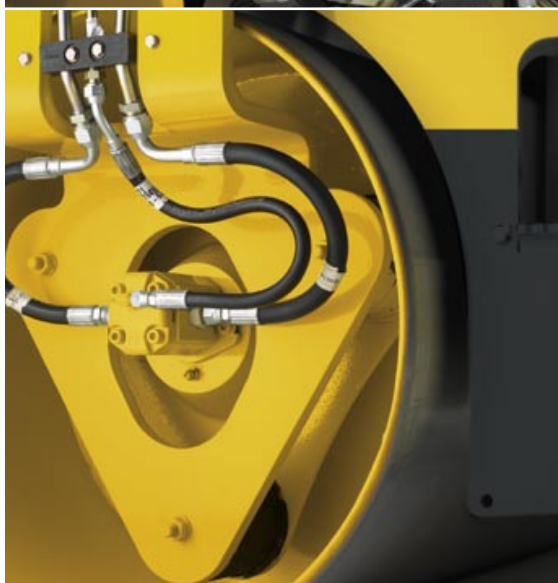
Volvo Construction Equipment offers vibratory compactors with stellar performance and unsurpassed value. The DD14S and DD16 feature drums with 66,7 Hz **(4,000 vpm)** frequency—the same high frequency found in much larger machines—to give you better speed and higher productivity. Built for comfort and safety as well, these double-drum compactors offer a competitive advantage in hot mix asphalt, soil sub-base, aggregate-base, and numerous other applications.



Performance Features

- **Drum performance**
  - 66,7 Hz **(4,000 vpm)** 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 **(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
- **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 brake (SAHR), parking brake, emergency stop switch, seat shut down switch, and propulsion control with neutral start





Available Options

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

SPECIFICATIONS

Model Machine Weights (w/ ROPS)		DD14S	DD16
Operating Weight	kg **(lb)**	1 519 **(3,350)**	1 619 **(3,570)**
Static Weight @ Front Drum	kg **(lb)**	712 **(1,570)**	739 **(1,630)**
Static Weight @ Rear Drum	kg **(lb)**	807 **(1,780)**	880 **(1,940)**
Shipping Weight	kg **(lb)**	1 342 **(2,960)**	1 442 **(3,180)**
Static Linear Load @ Front Drum	kg/cm **(lb/in)**	7,91 **(44.4)**	7,39 **(41.4)**
Static Linear Load @ Rear Drum	kg/cm **(lb/in)**	8,97 **(50.3)**	8,80 **(49.2)**
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		Front drum 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 Tier 4	Kubota D722-B Tier 4
Rated Power @ Installed Speed	kW **(hp)**	12,4 **(16.6)**	12,4 **(16.6)**
Type		3-cylinder diesel	3-cylinder diesel
Steering			
Design		Centerpoint articulation	
Type System		Double-acting, hydraulic, 1-cylinder	
Articulation Angle		+ / - 34°	+ / - 34°
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		+ / - 10°	+ / - 10°
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)**

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

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 175 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. And we're proud of what makes Volvo different – **More care. Built in.**

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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