

VOLVO DOUBLE DRUM COMPACTORS

DD22, DD24



MORE CARE. BUILT IN.



INTRODUCING RELIABLE PERFORMANCE IN A SMALLER PACKAGE

The DD22 and DD24 asphalt compactors from Volvo have been designed to help you deliver maximum productivity, density, and smoothness on smaller compaction projects. These reliable double drum machines are simple to operate and are backed by the worldwide Volvo dealer network you know and trust. Move your business and bottom line in the right direction with the DD22 and DD24.

Serviceability

- Unobstructed daily checkpoints
- Easy-to-lift engine enclosure
- Ground-level access to engine, radiator, battery, and filters
- Service charts with detailed checkpoints, service intervals, and lubricant info
- Maintenance-free eccentric bearings

Performance Features

- 225 l (59 gal) gravity feed water system (not available in all markets)
- 260 l (68 gal) pressurized water system (available as option in some markets)
- Dual frequency drums
- High frequency (67 Hz [4,000 vpm]) for maximum rolling speeds and optimal impact
- Machined drum surface with radiused and chamfered edges produce a professional quality finish on each job
- Excellent visibility to drum edges in front and rear
- Liquid-cooled 24 kW (32 hp), 3-cylinder diesel engine
- Urethane wipers to keep water on drum surface
- Central lifting

Available Options

- Offset articulation joint enables operator to shift drum up to 50 mm (2")
- Foldable ROPS
- Edge compactor and cutter
- Inside urethane wipers
- Work and road light packages
- Beacon lights
- Fuel indicator
- Sliding seat with dual levers
- Sliding seat with single lever
- Loading / unloading traction control
- Pressurized water system with interval flow control, four nozzles per drum (standard in some markets)



SPECIFICATIONS

Model		DD22	DD24
Machine Weights (w/ ROPS)			
Operating Weight	kg (lb)	2 450 (5,400)	2 600 (5,725)
Weight @ Front Drum	kg (lb)	1 225 (2,700)	1 300 (2,863)
Weight @ Rear Drum	kg (lb)	1 225 (2,700)	1 300 (2,863)
Shipping Weight	kg (lb)	2 300 (5,070)	2 450 (5,400)
Machine Dimensions			
Length	mm (in)	2 420 (95)	2 420 (95)
Width	mm (in)	1 090 (43)	1 290 (51)
Height (top of steering wheel)	mm (in)	1 909 (75)	1 909 (75)
Height (top of ROPS)	mm (in)	2 624 (103.3)	2 624 (103.3)
Drum Base	mm (in)	1 720 (68)	1 720 (68)
Curb Clearance	mm (in)	490 (19.3)	490 (19.3)
Inside Turning Radius (to drum edge)	mm (in)	2 800 (110)	2 700 (106)
Drum			
Width	mm (in)	1 000 (39)	1 200 (47)
Diameter	mm (in)	700 (28)	700 (28)
Shell Thickness	mm (in)	13 (0.5)	13 (0.5)
Finish		Machined	
Vibration			
Frequency	Hz (vpm)	55 / 67 (3,300 / 4,000)	55 / 67 (3,300 / 4,000)
Nominal Amplitude	mm (in)	0,53 (0.02)	0,53 (0.02)
Centrifugal Force	kN (lb) High	37 (8,318)	40 (8,992)
	Low	25 (5,620)	28 (6,295)
Propulsion			
Type		Closed-loop hydrostatic	
Drum Drive		Radial piston	
Travel Speed	km/h (mph)	0 – 10 (0 – 6.2)	0 – 10 (0 – 6.2)
Engine			
Make / Model		Cummins A1700	
Engine Type		3-cylinder diesel	
Rated Power @ Installed Speed	kW (hp)	24 (32)	24 (32)
Electrical		12 volts, 45 A alternator	
Brakes			
Service		Hydrostatic	
Parking Secondary		Spring-applied, hydraulic release on each drum	
Water System			
Type		Gravity	Pressurized
Nozzles		-	4 per drum
Filtration		Inlet filter	Inlet and nozzle filtration
Drum Wipers		Spring-loaded, self-adjusting urethane wipers	
Water Tank Capacity	l (gal)	225 (59)	260 (68)
Miscellaneous			
Articulation Angle		+ / - 30°	+ / - 30°
Oscillation Angle		+ / - 10°	+ / - 10°
Fuel Tank Capacity	l (gal)	40 (10.6)	40 (10.6)
Hydraulic Oil Capacity	l (gal)	27 (7.1)	27 (7.1)
Gradeability (theoretical)		30%	30%

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

Volvo Construction Equipment
www.volvoce.com/na

Ref. No. VOE 22 B 100 4022
Printed in USA 2008.05-5,0
Volvo, Asheville

English