

V O L V O



Volvo Double Drum Compactors 11.0 t / 24,350 lb 148 hp

DD110C

Volvo Construction Equipment

DD110C



Big projects, big performance

Ensure high quality compaction with the advanced drum vibration system.

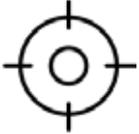


Drive your costs down

Maximize fuel efficiency with adaptive power, auto-idle and auto-engine shutdown without compromising performance.



Unequaled compaction



Target Compaction

Ensure you always vibrate at the appropriate rolling speed with Volvo's Impact Spacing Meter, for a smooth, uniform finish.



Roll with the experts

Rely on Volvo's engineering excellence to help protect your business and profits from the ground up.



Compact Assist

Achieve optimum compaction results, with less effort, thanks to the suite of Compact Assist apps – all powered by the 10" Volvo Co-Pilot touchscreen.



More work, fewer passes

Do more work in fewer passes and achieve target density with the high centrifugal force and the 8 amplitude option*. *standard for DD110C



Unobstructed visibility

Work efficiently with a 360° view of the drum, spray bars and jobsite, optimizing rolling precision and safety.



Comfortably productive

Boost productivity and comfort with a rotating seat, ergonomic controls, and noise and vibration isolation.



ActiveCare Direct

Maximize uptime and reduce repair costs with ActiveCare Direct, providing 24/7 machine monitoring and weekly reports.



New mode of regeneration

Passive regeneration functions automatically during operation without operator input or effect on performance.



Easy maintenance

Optimize efficiency with the swing-up hood for complete access to the engine and hydraulic components.



Productivity on tap

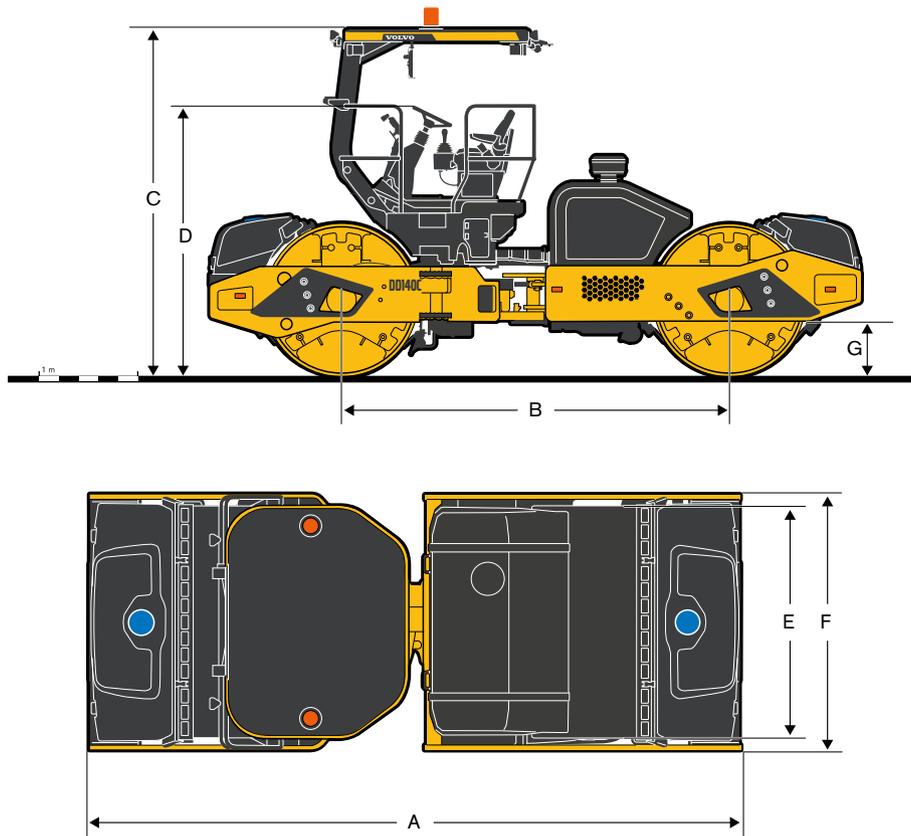
Optimize productivity with automatic water burst mode and flow-rate calibration to prevent material pick-up.

Specifications

Model			DD110C	
Machine weights			with open ROPS/FOPS canopy	
Operating weight ¹	kg	lb	11,045	24,355
Weight @ front drum	kg	lb	5,841	12,880
Weight @ rear drum	kg	lb	5,204	11,475
Shipping weight ²	kg	lb	10,345	22,811
Drums				
Width	mm	in	1,700	67
Diameter	mm	in	1,300	51
Shell thickness	mm	in	20	0.79
Finish	Machined surface; chamfered and radiused edges			
Propulsion				
Type	Closed-loop hydrostatic, parallel circuit to both drums			
Drum drive	2-speed axial piston motors with planetary gear drive			
Travel speed	km/h	mph	7.5-12.0	4.7-7.5
Engine				
Make / model	Volvo D4, EPA Tier 4 final			
Engine type	4 Cyl, Electronic, Turbo charged CAC, EGR, DPF, SCR			
Rated power @ 2,200 r/min	kW	hp	110	148
Electrical	24 V DC, 120 A alternator, Starter 5.5 kW, Battery 775 CCA (SAE)			
Brakes				
Service	Dynamic hydrostatic through propulsion system			
Parking secondary	Spring-applied, hydraulic release on both drum drives			
Water system				
Type	Pressure spray drum wetting system with dual water tanks			
Nozzles	Hand-serviceable spray nozzles, 8 per spray bar			
Filtration	Strainer at fill necks, primary filter at each pump, fine filter for each nozzle			
Drum wipers	Front and rear styrene wipers for each drum			
Water tank capacity	l	gal	1,098	290
Miscellaneous				
Articulation angle			+ / - 40°	+ / - 40°
Oscillation angle			+ / - 10°	+ / - 10°
Inside turning radius (to drum edge)	mm	in	4,025	158
Fuel tank capacity	l	gal	162.8	43
DEF tank capacity	l	gal	20	5.28
Hydraulic oil capacity	l	gal	121.1	32
Gradeability (theoretical)			33%	

¹ incl. 50% fuel, 50% water, full hyd., 75 kg / 165 lb operator

² incl. 50% fuel, no water, no operator



DIMENSIONS

	DD110C	
	with open ROPS/FOPS canopy	
	mm	in
A	5,888	232
B	3,550	140
C	3,135	123
D	2,444	96
E	1,700	67
F	1,882	74
G	483	19

Amplitude Setting	DD110C					
	Nominal amplitude		Vibration frequency		Eccentric force	
	mm	in	Hz	VPM	kN	lbf
8 amplitudes						
1	0.25	0.010	63.33	3,800	72.2	16,240
2	0.29	0.011	63.33	3,800	81.4	18,290
3	0.36	0.014	63.33	3,800	102.7	23,090
4	0.45	0.018	63.33	3,800	127.4	28,640
5	0.53	0.021	63.33	3,800	150.1	33,750
6	0.59	0.023	63.33	3,800	168.0	37,760
7	0.63	0.025	63.33	3,800	179.3	40,300
8	0.64	0.025	63.33	3,800	183.1	41,170

Equipment

STANDARD EQUIPMENT

Engine

Battery disconnect switch
V-belt protection

Operator Environment

Open ROPS/FOPS canopy
Operator seat, steering wheel and main controls: rotating +/- 90°
Propulsion control lever
Adjustable steering wheel
2 charger sockets 12V
Anti-slip cab floor, easy to clean
Cup holder
Seat switch with timer delay
Three-point seat belt
Seat belt alarm

Vibration and drum system

Auto vibration
Selectable vibration: front, rear, both
8 amplitudes

Electrics and electronics

4 Halogen work lights in frame (2 on each bumper)
Permanent wetting system water level display
Permanent fuel level display
Information display:
- Fluid temperatures
- Engine speed
- Vehicle speed
Impact meter
Emergency stop button

Water system

Two spray bars per drum

OPTIONAL EQUIPMENT

Electrics and electronics

4 LED frame lights
4 LED frame lights and 4 LED canopy lights
Drum Edge, Surface, and Step Lights
Light ready kit
4 frame Halogen lights
Rotating beacon
Back up alarm
Compact Assist
Compact Assist with Density Direct
CareTrack
Caretrack Anti-theft
Asphalt temperature gauge kit

Structure

Special paintwork
Biodegradable hydraulic oil

Other

Cocoa Mats
Auto-idle shutdown
Fuel Strainer
Metric Tool Kit
Fire Extinguisher mounting bracket



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