

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

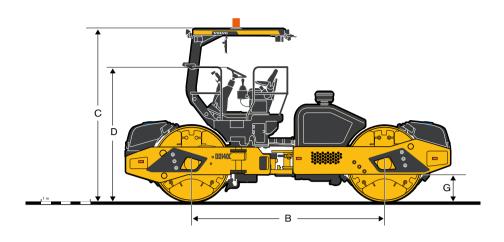
Optimize productivity with automatic water burst mode and flow-rate calibration to prevent material pick-up.

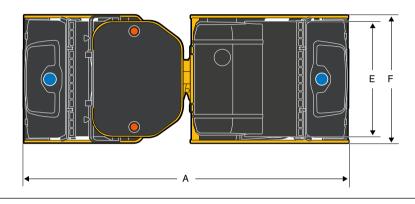
Specifications

Operating weight ¹ kg lb 11,045 24,355 Weight @ rear drum kg lb 5,841 12,880 Weight @ rear drum kg lb 5,841 12,880 Weight @ rear drum kg lb 5,841 12,880 Shipping weight ² kg lb 10,345 22,811 Drums Interpret (1,200) 67 11,475 Width mm in 1,700 67 Diameter mm in 1,300 51 Shell thickness mm in 20 0.79 Flinish Machined surface; chamfered and radiused edges 90 Propulsion Z-speed axial piston motors with planetary gear drive 73 Travel speed km/h mph 7.5-12.0 4.7-7.5 Engine Volvo D4, EPA Tier 4 final 148 148 Electrical Volvo D4, EPA Tier 4 final 24 V DC, 120 A alternator, Starter 5.5 kW, Battery 775 CCA (SAE) Brakes Spring-applied, hydraulic release on both drum drives	Model			DD110C			
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Weight @ rear drum kg lb 5,204 11,475 Shipping weight ² kg lb 10,345 22,811 Drums 10,345 22,811 Drums in 1,700 67 Diameter mm in 1,000 51 Shell thickness m n 20 0.79 Finish Mm n 20 0.79 Finish Machined surface; chamfered and radiused edges Propulsion Taxel speed and radiused edges Propulsion Visit finit	Operating weight ¹	kg	lb	11,045	24,355		
Shipping weight ² kg kg <td>Weight @ front drum</td> <td>kg</td> <td>lb</td> <td>5,841</td> <td>12,880</td>	Weight @ front drum	kg	lb	5,841	12,880		
Drumsmmin1,70067Widthmmin1,30051Diametermmin1,30051Shell thicknessmmin200.79FinishMachined surface; chamfered and radiused edgesPropulsionTypeClosed-loop hydrostatic, parallel circuit to both drumsDrum drive2-speed axial piston motors with planetary gear driveTravel speedkm/nmph7.5-12.04.7-7.5EngineVolvo D4, EPA Tier 4 finalEngine type4 Cyl, Electronic, Turbo charged CAC, EGR, DPF, SCRRated power @ 2,200 r/minkWhp110148Electrical24 V DC, 120 a alternator, Starter 5.5 kW, Battery 775 CCA (SAE)BrakesSpring-applied, hydraulic release on both drum drivesWater systemSpring-applied, hydraulic release on both drum drivesWater systemFresure stray drum wetting system with dual water tanksNozzlesHand-seyriceable spray nozzles, B per spray barFiltrationI <gal 1,098<="" td="">290Water tank capacityi<gal 1,098<="" td="">290Miscellaneous+ / - 40°+ / - 40°Miscellaneous- + / - 10°+ / - 40°Furturing radius (to drum edge)mmin4,025Fuel tank capacityI<gal 162.8<="" td="">43DEf tank capacityI<gal 121.1<="" td="">32Hydraulic oil capacityI<gal 121.1<="" td="">32</gal></gal></gal></gal></gal>	Weight @ rear drum	kg	lb	5,204	11,475		
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Finish Machined surface; chamfered and radiused edges Propulsion Statuse of the second o	Diameter	mm	in	1,300	51		
Propulsion Closed-loop hydrostatic, parallel circuit to both drums Type Closed-loop hydrostatic, parallel circuit to both drums Travel speed km/h mph 7.5-12.0 4.7-7.5 Engine Volvo D4, EPA Tier 4 final 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 Strainer at fill necks, primary filter at each pump, fine filter for each nozz Type Filtration Strainer at fill necks, primary filter at each pump, fine filter for each nozz Drum wipers Front and rear styrene wipers for each drum Water tank capacity I gal 1,098 290 Miscellaneous + / - 40° + / - 40° + / - 40° Glosaltion angle + / - 10° + / - 10° + / - 40° Drum wipers file at acapacity I gal 162.8 43 DEf tank capacity I gal	Shell thickness	mm	in	20	0.79		
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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 nozz Drum wipers Front and rear styrene wipers for each drum Water tank capacity I gal 1,098 290 Miscellaneous + / - 40° + / - 40° + / - 40° Articulation angle + / - 10° + / - 10° 158 Fuel tank capacity I gal 162.8 43 DEF tank capacity I gal 121.1 32	Travel speed	km/h	mph	7.5-12.0	4.7-7.5		
Engine type4 Cyl, Electronic, Turbo charged CAC, EGR, DPF, SCRRated power @ 2,200 r/minkWhp110148Electrical24 V DC, 120 A alternator, Starter 5.5 kW, Battery 775 CCA (SAE)BrakesServiceDynamic hydrostatic through propulsion systemParking secondarySpring-applied, hydraulic release on both drum drivesWater systemSpring-applied, hydraulic release on both drum drivesWater systemPressure spray drum wetting system with dual water tanksNozelesHand-serviceable spray nozeles, 8 per spray barFiltrationStrainer at fill necks, primary filter at each pump, fine filter for each nozeDrum wipersFront and rear styrem.Water tank capacityIgal0scillation angle+/-40°Fuel tank capacityImmin4riculation angle+/-10°Fuel tank capacityIgalDEF tank capacityIgalUptartic oil capacityIgal10gal121.132	Engine						
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Water tank capacityIgal1,098290MiscellaneousArticulation angleOscillation angle $+/-40^{\circ}$ Inside turning radius (to drum edge)mmin4,025Fuel tank capacityIgalDEF tank capacityIgal1gal1gal121314141515162.8171819191010111112121.112	Filtration			Strainer at fill necks, primary filter at each pump, fine filter for each nozzle			
Miscellaneous Articulation angle Oscillation angle 1nside turning radius (to drum edge) mm in 4,025 158 Fuel tank capacity I gal 162.8 43 DEF tank capacity I gal 20 5.28 Hydraulic oil capacity I gal 121.1 32	Drum wipers			Front and rear styrene wipers for each drum			
Articulation angle + / - 40° + / - 40° Oscillation angle + / - 10° + / - 10° Inside turning radius (to drum edge) mm in 4,025 158 Fuel tank capacity I gal 162.8 43 DEF tank capacity I gal 20 5.28 Hydraulic oil capacity I gal 121.1 32	Water tank capacity	I	gal	1,098	290		
Oscillation angle + / - 10° + / - 10° Inside turning radius (to drum edge) mm in 4,025 158 Fuel tank capacity I gal 162.8 43 DEF tank capacity I gal 20 5.28 Hydraulic oil capacity I gal 121.1 32	Miscellaneous						
Inside turning radius (to drum edge)mmin4,025158Fuel tank capacityIgal162.843DEF tank capacityIgal205.28Hydraulic oil capacityIgal121.132	Articulation angle			+/-40°	+ / - 40°		
Fuel tank capacity I gal 162.8 43 DEF tank capacity I gal 20 5.28 Hydraulic oil capacity I gal 121.1 32	Oscillation angle			+ / - 10°	+ / - 10°		
DEF tank capacityIgal205.28Hydraulic oil capacityIgal121.132	Inside turning radius (to drum edge)	mm	in	4,025	158		
Hydraulic oil capacity I gal 121.1 32	Fuel tank capacity	I	gal	162.8	43		
	DEF tank capacity	1	gal	20	5.28		
Gradeability (theoretical) 33%	Hydraulic oil capacity	1	gal	121.1	32		
	Gradeability (theoretical)			33	3%		

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

 $^{\rm 2}~$ incl. 50% fuel, no water, no operator





DIMENSIONS				
	DD1	10C		
	with open ROPS	S/FOPS canopy		
	mm	in		
A	5,888	232		
В	3,550	140		
C	3,135	123		
D	2,444	96		
E	1,700	67		
F	1,882	74		
G	483	19		

		DD110C					
Amplitude Setting	Nominal	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	OPTIONAL EQUIPMENT
Engine	Electrics and electronics
Battery disconnect switch	4 LED frame lights
V-belt protection	4 LED frame lights and 4 LED canopy lights
Operator Environment	 Drum Edge, Surface, and Step Lights
Open ROPS/FOPS canopy	Light ready kit
Operator seat, steering wheel and main controls: rotating +/- 90°	4 frame Halogen lights
Propulsion control lever	Rotating beacon
Adjustable steering wheel	Back up alarm
2 charger sockets 12V	Compact Assist
Anti-slip cab floor, easy to clean	Compact Assist with Density Direct
Cup holder	CareTrack
Seat switch with timer delay	Caretrack Anti-theft
Three-point seat belt	Asphalt temperature gauge kit
Seat belt alarm	Structure
Vibration and drum system	Special paintwork
Auto vibration	Biodegradable hydraulic oil
Selectable vibration: front, rear, both	Other
8 amplitudes	Cocoa Mats
Electrics and electronics	Auto-idle shutdown
4 Halogen work lights in frame (2 on each bumper)	Fuel Strainer
Permanent wetting system water level display	Metric Tool Kit
Permanent fuel level display	Fire Extinguisher mounting bracket
Information display:	
- Fluid temperatures	
- Engine speed	
- Vehicle speed	
Impact meter	
Emergency stop button	
Water system	_

Two spray bars per drum

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.



V O L V O