

Volvo Construction Equipment
Building Tomorrow



DD128C

Volvo Double Drum Compactors 79 in 27,700 lb 148 hp



WELCOME TO OUR WORLD

Welcome to a world of industry leading machinery. A world where imagination, hard work and technological innovation will lead the way towards developing a future which is cleaner, smarter, and more connected. A world supported by the enduring values of the Volvo Group. A world of stability, sustainability and innovation. A world which we put our customers at the heart of.

Welcome to the world of Volvo Construction Equipment – we think you're going to like it here.

The road to success

Our range of road machinery combines the heritage of the Blaw-Knox, Ingersoll Rand and ABG brands with the engineering excellence of Volvo. The result is a line-up of Volvo pavers and compactors which achieve an unrivalled level of quality, in both paving and compaction applications.

Building on our proud history, we continue to innovate our products to offer customers the best solutions for their operation. Our Compact Assist and Pave Assist products are just two examples of how we are developing intelligent solutions to ensure our machines deliver world-class performance and results long into the future.

Solutions for you



Our industry leading machines are just the start of your relationship with Volvo. As your partner, we have developed an extensive range of additional solutions to help you improve uptime, boost productivity and reduce costs.

Designed for your business

Structured across nine blocks, our portfolio of products and services are designed to complement your machine's performance and boost your profitability. Simply put, we offer some of the best guarantees, warranties and technological solutions in the industry today.

There when you need us

Whether you're buying new or used, our global network of dealers and technicians offer around-the-clock support, including machine monitoring and world-class parts availability. It's the basis of everything offered by Volvo Services, so you can be confident we've got you covered right from the start.

BUILDING TOMORROW

DD128C with industry-leading 4,800 VPM

WIDEST AMPLITUDE RANGE ON THE MARKET

- Amplitude range of 0.003 in to 0.03 in
- Eight different amplitude settings with five unique frequencies
- Versatile: able to work extremely thin to thick layers
- Can work on a vast array of applications with very different requirements
- New low amplitude settings for improved productivity on ultra-thin lifts and other applications where static rolling and oscillation are used

VERSATILE PERFORMER

- Fuel efficient Volvo Engine
- 79 in high quality drums

THE OPERATOR'S CHOICE

- Volvo Comfort operator station with 180-degree rotating console
- Electronic control lever – smooth and precise control and automatic impact spacing control
- Ergonomically positioned controls
- Noise and vibration isolation
- Ample space for operator
- Ergonomic seat with adjustable back





HIGHEST FREQUENCY IN THE INDUSTRY

- Frequency of 4,800 vpm
- Facilitates fast rolling speeds with vibration for maximum efficiency
- Automatically picks the highest vpm for the selected amplitude
- Allows greater productivity no matter the job

INDUSTRY-LEADING TECHNOLOGY

- Auto-reversing Eccentrics
- Industry leading fully redundant water system
- Volvo's unique Compact Assist and Compact Assist with Density Direct™
- CareTrack
- Active Care Direct

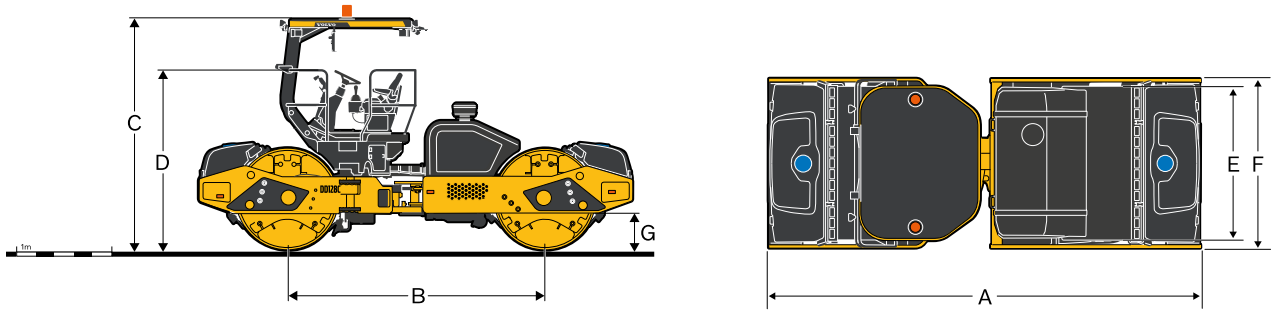
OPERATOR SAFETY

- Unobstructed visibility
- ROPS/FOPS certified platform
- Forward view adjustable seat
- Seat belt alarm
- Operator presence switch
- Brake test functionality
- LED night lighting package available

STATE-OF-THE-ART SERVICING

- Swing-up hood allow for easy access to engine and hydraulic components
- Single key access to all services hatches
- Automatic passive regeneration
- Water tanks can be filled from ground level
- Volvo Dealer Network support
- Lifetime Frame Warranty

Specifications



Model				DD128C			
Machine weights							
Operating weight ¹	kg	lb	12,565		27,700		
Weight @ front drum	kg	lb	6,684		14,735		
Weight @ rear drum	kg	lb	5,881		12,965		
Shipping weight ²	kg	lb	11,791		25,994		
Drums							
Width	mm	in	2,000		79		
Diameter	mm	in	1,400		55		
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	8.8-12.6		5.5-7.8		
Engine							
Make / model	Volvo D4, EPA Tier 4 final						
Engine type	4 Cyl, Electronic, Turbo charged CAC, EGR, DPF, SCR						
Rated power @ 2,000 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, 10 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	1,280		338		
Miscellaneous							
Articulation angle			+ / - 40°		+ / - 40°		
Oscillation angle			+ / - 10°		+ / - 10°		
Inside turning radius (to drum edge)	mm	in	3,772		149		
Fuel tank capacity	l	gal	199.8		52.8		
DEF tank capacity	l	gal	20		5.28		
Hydraulic oil capacity	l	gal	149.9		39.6		
Gradeability (theoretical)					31%		

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

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

	DD128C	
	mm	in
A	5,973	235.2
B	3,550	139.8
C	3,177	125.1
D	2,479	97.6
E	2,218	87.3
F	2,000	79.0
G	505	19.9

	DD128C					
	Nominal amplitude		Vibration frequency		Eccentric force	
	mm	in	Hz	VPM	kN	lbf
1	0.08	0.0033	80	4800	51.9	11 680
2	0.19	0.0074	70	4200	89.8	20 210
3	0.34	0.0133	65	3900	139.7	31 420
4	0.48	0.0189	55	3300	141.4	31 820
5	0.60	0.0235	55	3300	176.4	39 690
6	0.69	0.0271	50	3000	167.6	37 710
7	0.74	0.0293	50	3000	181.2	40 760
8	0.76	0.030	50	3000	185.7	41 790

Equipment

STANDARD EQUIPMENT

Engine

Battery disconnect switch

V-belt protection

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

Operator environment

Open ROPS/FOPS canopy

Operator seat w/adj back, steering wheel and main controls:
rotating +/- 90°

Propulsion control lever

Adjustable steering wheel

2 charger sockets 12V

2 charger sockets 5V

Anti-slip cab floor, easy to clean

Cup holder

Seat switch with timer delay

Three-inch seat belt

Seat belt alarm

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

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

Others

Cocoa Mats

Auto-idle shutdown

Fuel Strainer

Maintenance Package

Metric Tool Kit

Fire Extinguisher mounting bracket

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