VOLVO

Volvo Single Drum Compactors 12.1 t / 26,800 lb 148 hp

SD125B

Volvo Construction Equipment

SD125B

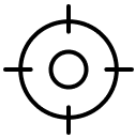
Drum performance

Volvo's advanced drum control system delivers multiple frequencies, dual amplitude, and optimized centrifugal force.

Gradeability

The Volvo traction system provides excellent climbing and traction capabilities in difficult applications. For the most demanding applications, the High Traction variant is also available.

Packed with intelligence

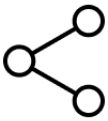


Volvo engine

The perfectly optimised Volvo Tier 4F engine delivers high torque at low rpm for superior performance and low fuel consumption.

Passive regeneration

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



ECO mode

ECO mode can be selected by the operator. This feature adjusts the engine speed to match the operation mode.

Operator environment

The ROPS/FOPS certified cab or open operator's area provides a safe and comfortable working environment with allaround visibility.

High quality components

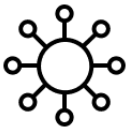
The compactor features the highest quality components, clever routing and clean design.

Heavy-duty drum

The extra-heavy-duty drum, centre joint and front frame components are designed and manufactured with durability in mind.

Service access

The electric engine hood lifts up giving extensive ground level access to the engine compartment.



ActiveCare Direct

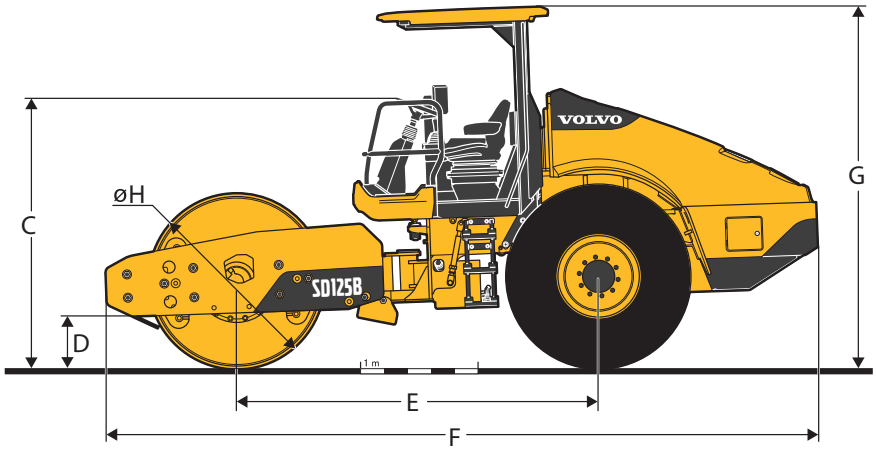
Maximize machine uptime and reduce repair costs with ActiveCare Direct, with 24-7/365 machine monitoring as well as customer reports.

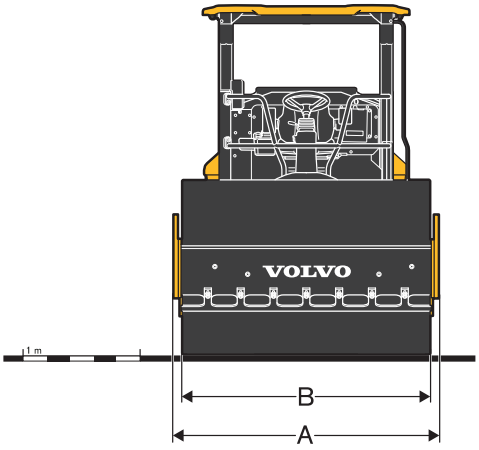
Compact Assist

The Compact Assist option improves compaction efficiency by preventing unnecessary passes and identifying areas that might not have achieved ideal compaction.

Specifications

Model				SD125B			
Drum type				**Smooth**		**Padfoot**	
Machine Weights (inc. ROPS & inside scraper)							
Operating Weight with Light Duty axle (CECE)		kg	lb	12,056	26,580	12,736	28,080
Operating Weight with Heavy Duty axle (CECE)		kg	lb	12,156	26,800	12,836	28,300
Static Weight @ Drum		kg	lb	6,604	14,560	7,284	16,060
Static Weight @ Tires		kg	lb	5,452	12,020	5,452	12,020
Shipping Weight		kg	lb	11,958	26,363	12,638	27,863
Drum							
Width		mm	in	2,134	84	2,134	84
Diameter		mm	in	1,510	59.4	1,510	59.4
Shell Thickness		mm	in	30	1.18	30	1.18
Diameter Over Pad Feet		mm	in	-	-	1,764	69.4
Pad Feet		number of		-	-	120	
Pad Height		mm	in	-	-	127	5
Pad Tip Area		cm^2	in^2	-	-	135.3	21
Vibration							
Frequency		Hz	vpm	30.8 / 33.8	1,850 / 2,025	30.8 / 33.8	1,850 / 2,025
Optional 5 Frequency	High Amp	Hz	vpm	23.3 - 30.8	1,400 - 1,850	23.3 - 30.8	1,400 - 1,850
Centrifugal Force	High Amp	kN	lb	280	63,000	280	63,000
	Low Amp	kN	lb	246	55,400	247	55,600
Nominal Amplitude	High Amp	mm	in	1.92	0.076	1.59	0.062
	Low Amp	mm	in	1.41	0.055	1.16	0.046
Propulsion							
Type				Hydrostatic			
Tire				23.1-26 R3 8PR TT		23.1-26 R1 8PR TL	
Drum Drive				Planetary Gear Box			
Travel Speed							
High		km/h	mph	9.8	6.1	10.4	6.5
Low		km/h	mph	4.4	2.7	4.8	3
Engine							
Make / Model				Volvo D4 Tier 4 F			
Engine Type				Turbocharged 4-cylinder			
Rated Power @ 2,200 rpm		kW	hp	110		148	
Electrical System							
Voltage (Negative ground)			Volt	24			
Alternator			Ah	80			
Batteries			CCA	2 x 1,000			
Brakes							
Service				Hydrostatic			
Parking / Secondary				Spring-applied, hydraulically released on drum & axle			
Miscellaneous							
Articulation Angle			°	+/- 35			
Oscillation Angle			°	+/- 12			
Inside turning radius		mm	in	3,800	149.6	3,800	149.6
Fuel Capacity		l	gal	130		34.35	
Hydraulic Oil Capacity		l	gal	87		22.99	
DEF tank capacity		l	gal	20		5	
Guaranteed Sound Level							
Operator's Ear, acc. to ISO 11203:2009		L_{pA} dB(A)		75 (Cab) - 87 (Canopy)			
External, acc. to Directive 2000/14/EC		L_{WA} dB(A)		105			





DIMENSIONS

Model	SD125B			
	Smooth drum		Padfoot drum	
	mm	in	mm	in
A	2,286	90	2,286	90
B	2,134	84	2,134	84
C	2,253	88.7	2,316	91.2
D	477	18.8	604	23.8
E	3,095	121.9	3,095	121.9
F	6,091	239.8	6,091	239.8
G	3,000	118.1	3,020	118.9
H	1,510	59.4	1,764	69.5

GRADEABILITY

Model	SD125B	
Drum type	**Smooth**	**Padfoot**
No traction enhancement	Moderate	
With flow divider option	High	
With High Traction variant (includes flow fivider and high torque axle options)	Extreme	

Moderate applications include highway construction, finish grades, and slopes up to 30%.
High applications include trenching, infrastructure projects, and slopes ranging from 25% to 40%.
Extreme applications include thick lifts of loose material, use of leveling blades, and slopes over 30% such as landfills.

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.

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