

**V O L V O**



Volvo Single Drum Compactors 11.8 t / 26,000 lb 147 hp

**SD115B**

Volvo Construction Equipment

# SD115B



## Drum performance



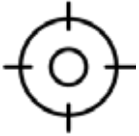
Volvo's advanced drum control system delivers multiple frequencies, dual amplitude, and optimized centrifugal force.

## 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 heavy-duty drum, center 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.

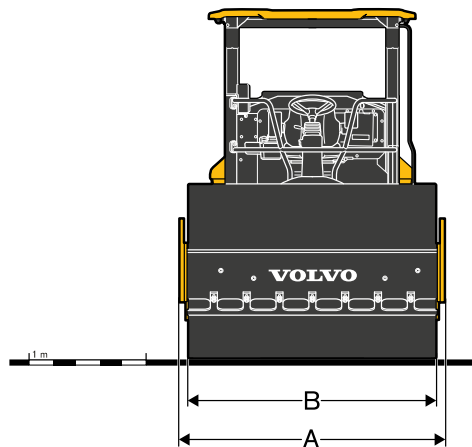
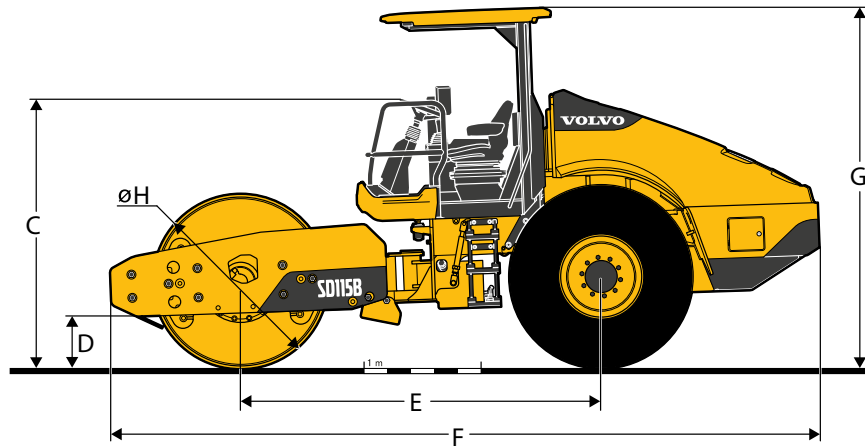


## Compact Assist

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

# Specifications

Model				SD115B			
Drum type				Smooth		Padfoot	
<b>Machine Weights (inc. ROPS &amp; inside scraper)</b>							
Operating Weight (CECE)	kg	lb	11,643	25,615	11,800	25,960	
Static Weight @ Drum	kg	lb	6,243	13,735	6,400	14,080	
Static Weight @ Tyres	kg	lb	5,400	11,880	5,400	11,880	
Shipping Weight	kg	lb	11,513	25,329	11,670	25,674	
<b>Drum</b>							
Width	mm	in	2,134	84	2,134	84	
Diameter	mm	in	1,500	59	1,295	51	
Shell Thickness	mm	in	25	1	25	1	
Diameter Over Pad Feet	mm	in	-	-	1,549	61	
Pad Feet	number of		-	-	112		
Pad Height	mm	in	-	-	127	5	
Pad Tip Area	cm2	in2	-	-	135.3	21	
<b>Vibration</b>							
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	1,398-1,850	23.3-30.8	1,398-1,850
Centrifugal Force	High Amp	kN	lb	253	56,900	253	56,900
	Low Amp	kN	lb	214	48,100	214	48,100
Nominal Amplitude	High Amp	mm	in	1.92	0.08	1.82	0.07
	Low Amp	mm	in	1.5	0.06	1.42	0.06
<b>Propulsion</b>							
Type	Hydrostatic						
Tyre	23.1-26 R3 8PR TT			23.1-26 R1 8PR TL			
Drum Drive	Planetary Gear Box						
<b>Travel Speed</b>							
High	km/h	mph	10	6.2	10	6.2	
Low	km/h	mph	4.5	2.8	4.3	2.7	
<b>Engine</b>							
Make / Model	Volvo D4 Tier 4 F						
Engine Type	Turbocharged 4-cylinder						
Rated Power @ 2 200 rpm	kW	hp	110		148		
<b>Electrical System</b>							
Voltage (Negative ground)	Volt		24				
Alternator	Ah		80				
Batteries	CCA		2 x 1,000				
<b>Brakes</b>							
Service	Hydrostatic						
Parking / Secondary	Spring-applied, hydraulically released on drum & axle						
<b>Miscellaneous</b>							
Articulation Angle	°		+/- 35				
Oscillation Angle	°		+/- 12				
Inside turning radius	mm	in	3,800	149.6	3,800	149.6	
Fuel Capacity	l	gal	165		43.5		
Hydraulic Oil Capacity	l	gal	75		20		
DEF tank capacity	l	gal	20		5		
<b>Guaranteed Sound Level</b>							
Operator's Ear, acc. to ISO 11203:2009	L <sub>PA</sub> dB(A)		75 (Cab) - 87 (Canopy)				
External, acc. to Directive 2000/14/EC	L <sub>WA</sub> dB(A)		105				



#### DIMENSIONS

Model	SD115B			
	Smooth drum		Padfoot drum	
	mm	in	mm	in
A	2,286	90	2,286	90
B	2,134	84	2,134	84
C	2,269	89.3	2,288	90.1
D	483	19	498	19.6
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	1,500	59.1	1,549	61

#### GRADEABILITY

Model	SD115B	
	Smooth	Padfoot
No traction enhancement	Moderate	
With flow divider option	High	
With High Traction variant (includes flow divider 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.





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