CASE CONSTRUCTION

VIBRATORY SOIL COMPACTOR

SV214 | SV218

SV-SERIES
COMPACTORS

CASE Soil Compactors deliver exceptional performance with cutting-edge features like the Compaction Expert system, which detects uncompacted zones in real time for optimal efficiency. Optional configurations—including the HX version—offer increased traction, making them ideal for steep grades and rough terrain. Designed for maximum customization, these machines are ready to take on the most demanding work environments.

BUILT FOR THE TOUGHEST JOBS

Engineered for excellence in every detail, this machine delivers **high compaction performance** with fewer passes, even on thicker layers—boosting productivity while saving time. Its rear-axle-free design enhances both **stability and agility**, especially on uneven terrain, and a flexible configuration adapts seamlessly to varied jobsite demands. **Operators benefit** from a thoughtfully designed station that ensures **all-day comfort**, complemented by **360-degree visibility** for heightened safety and intuitive controls that streamline operation, even for newcomers.

Serviceability is just as efficient, thanks to the tilt forward cab and hood design, centralised ground-level maintenance points, and a maintenance-friendly layout that minimises downtime and maximises uptime.

MAIN REASONS
TO CHOOSE THE SV-SERIES

CAB

- Spacious Interior – Designed to reduce operator fatigue and improve long-term comfort
- Climate Control – Available heating and air conditioning ensure year-round comfort
- Adjustable Components – Seat and controls are fully adjustable for optimal ergonomics

MAINTENANCE

- Tilting Hood – Quick access to the engine compartment for inspections and servicing
- Ground-Level Access – Daily checks and routine maintenance can be performed safely and quickly from the ground
- Extended Service Intervals – Fewer interruptions and reduced ownership costs
- Tilt forward operator platform provides access to areas that are normally considered tough to get to

STABILITY

- Low Center of Gravity: Ensures superior stability, setting a new standard in the class

TRANSMISSION

- Hydrostatic Drive – Smooth and precise control of travel speed and direction
- Two Speed Ranges – High and low ranges for optimal performance in all applications
- Built-In Reliability – Fewer moving parts mean reduced maintenance and enhanced durability

ENGINE

The turbocharged Cummins engine features an air aftercooler system that increases intake air density, enhancing efficiency and reducing fuel consumption

GRADEABILITY

- Exceptional Climbing Power – Up to 55% gradeability for tackling steep inclines
- Optional HX Version – Features front and rear traction for increased grip on soft or slippery terrain

SV-SERIES
COMPACTOR

SV214

ENGINE

Make & Model	Cummins QSB 4.5-C160
Max Power ISO 3046-1	119 kW (160 HP)
Maximum torque	624/1500 Nm/rpm
Emission class	EU Stage IIIA, U.S. EPA Tier 3
Number of Cylinders	4
Displacement	4.5 l

STEERING

System	Hydraulic assisted articulated

SERVICE CAPACITIES

Fuel tank	410 l (108.3 gal)
Hydraulic System	90 l (23.78 gal)
Engine crank Case	11 l (2.91 gal)
Engine coolant	32 l (8.45 gal)

VIBRATION SYSTEM

Frequency I	
STD	30 Hz (1800 VPM)
STD PD	30 Hz (1800 VPM)
Frequency II	
STD	36 Hz (2160 VPM)
STD PD	36 Hz (2160 VPM)
Amplitude I	
STD	1.9 mm (0.075 in)
STD PD	1.85 mm (0.073 in)
Amplitude II	
STD	1.05 mm (0.041 in)
STD PD	1 mm (0.039 in)
Centrifugal force I	
STD	300 kN (67 443 lbf)
STD PD	300 kN (67 443 lbf)
Centrifugal force II	
STD	230 kN (51 706 lbf)
STD PD	230 kN (51 706 lbf)

MISCELLANEOUS

Brakes operating	Hydrostatic
Brakes parking	Multiple-disc spring brake
Brakes emergency	Multiple-disc spring brake
Articulation angle	±36°
Oscillation angle	±10°

SV218

ENGINE

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VIBRATION SYSTEM

Frequency I	
STD	28 Hz (1680 VPM)
STD PD	28 Hz (1680 VPM)
Frequency II	
STD	35 Hz (2100 VPM)
STD PD	35 Hz (2100 VPM)
Amplitude I	
STD	2.2 mm (0.087 in)
STD PD	2.2 mm (0.087 in)
Amplitude II	
STD	1.2 mm (0.047 in)
STD PD	1.1 mm (0.043 in)
Centrifugal force I	
STD	335 kN (75 311 lbf)
STD PD	335 kN (75 311 lbf)
Centrifugal force II	
STD	260 kN (58 450 lbf)
STD PD	260 kN (58 450 lbf)

MISCELLANEOUS

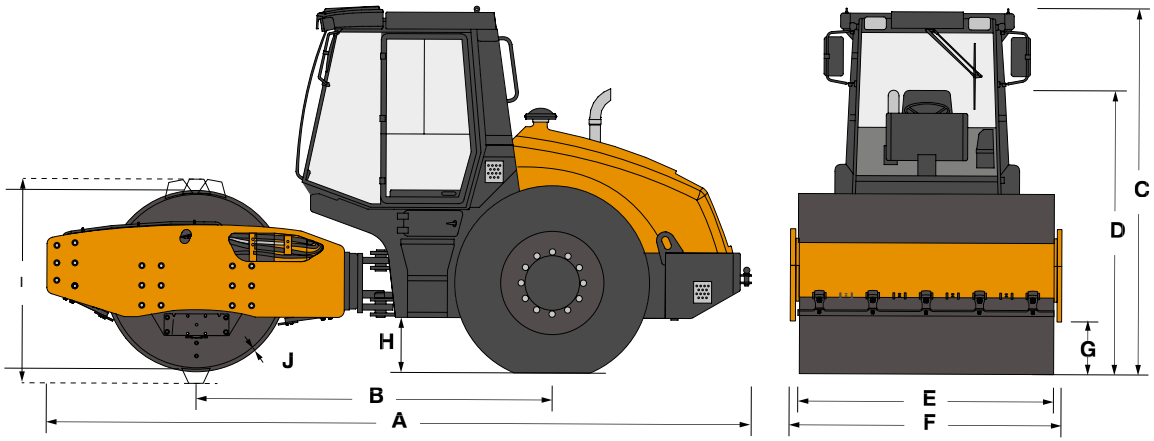
Brakes operating	Hydrostatic
Brakes parking	Multiple-disc spring brake
Brakes emergency	Multiple-disc spring brake
Articulation angle	±36°
Oscillation angle	±10°

WEIGHT & OPERATING SPECIFICATIONS

		SV214	SV218	SV214	SV218	SV214	SV218	SV214	SV218
		STD		HX		PD		HXPD	
Operating weight	kg	12510	16270	13750	16300	12750	16170	13790	16200
Maximum weight	kg	16390	18140	16430	18170	14920	17190	14770	17220
Stat. lin. load of front drum	kg/cm	39.1	51.9	-	52	-	-	-	-
Pad contact surface	cm^2	-	-	-	-	120	120	120	120
Pad Height	mm	-	-	-	-	100	100	100	100
Max. transport speed	km/h	13	10	8.2	7	12.8	10.1	8.6	7
Max. working speed	km/h	5.6	4.5	3.7	3.15	5.6	4.6	3.8	3.15
Climbing ability	%	45	30/25*	58	55/50*	45	30/25*	58	55/50*
Turning radius inner (EDGE)	mm	3050	3715	3050	3715	3050	3715	3050	3715

*without/with vibration

SPECIFICATIONS



Line drawings are for illustrative purpose only and may not be exact representation of unit.

DIMENSIONS

		SV214	SV218
A. Machine length	mm	5780	5900
B. Wheelbase	mm	2878	2930
C. Machine height	mm	3070	3075
D. Machine height (removed CAB / ROPS)	mm	2400	2420
E. Drum width	mm	2130	2130
F. Machine width	mm	2258	2258
G. Curb clearance	mm	420	415
H. Ground clearance	mm	430	440
I. Drum diameter	mm	1500 / * 1640	1500 / * 1640
J. Drum shell thickness	mm	35 / * 25	40 / * 28

*PD

STANDARD EQUIPMENT

Operator platform with guard rails
Smooth drum with steel scrapers
2 vibration frequencies and amplitudes
Inter wheel Differential-lock
Manual tilting of hood / cab / platform
Working headlights (front and rear)

OPTIONAL EQUIPMENT

Cab ventilated and heated (incl. FOPS I)
ROPS structure
Air condition for Cab version
Traction Control
Padfoot drum or padfoot segments
HX versions

CASE CONSTRUCTION

SINCE 1842

BUILDING A STRONG CASE.

Since 1842, at CASE Construction Equipment we have lived by an unwavering commitment to build practical, intuitive solutions that deliver both efficiency and productivity.

We continually strive to make it easier for our customers to implement emerging technologies and new compliance mandates.

Today, our global scale combined with our local expertise enables us to keep customers' real-world challenges at the center of our product development.

The vast CASE dealers' network is always ready to support and protect your investment and exceed your expectations, while also providing you with the ultimate ownership experience.

Our goal is to build both stronger machines—and stronger communities. At the end of the day, we do what's right for our customers and our communities so that they can count on CASE.

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