

# SV201 Series

## Vibrating Roller

Small vibrating rollers slash cost of compaction.  
Designed for trenches, confined areas  
and small to medium site preparation.

SV201D  
Smooth drum  
Gross weight 4.35 ton  
(9,590 lbs)



SV201T  
Padfoot drum  
Gross weight 4.45 ton  
(9,810 lbs)

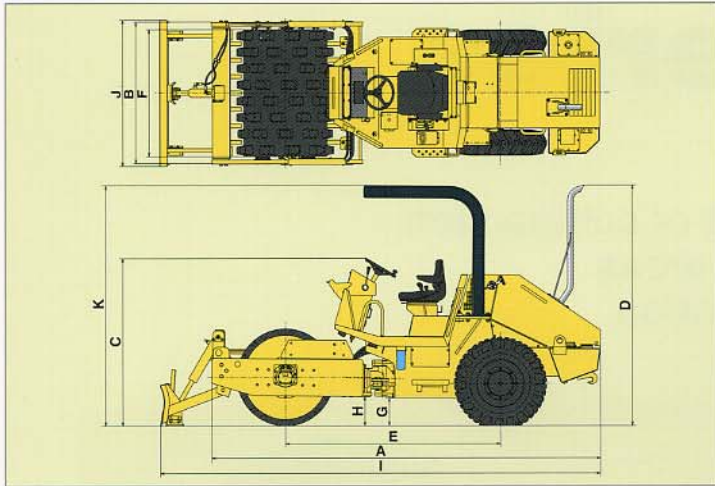


SV201TB  
Padfoot drum with blade  
Gross weight 4.75 ton  
(10,472 lbs)

The above photo is shown with Optional equipments mounted.

# SAKAI®

## Dimensions



	A	B	C	D	E	F	G	H	I	J	K
SV201D	4,210 (166")		1,795 (70.7")				290 (11.4")	300 (11.8")	-	-	2,575 (101.4")
SV201T		1,530 (60")	1,810 (71.3")	2,600 (102")	2,330 (92")	1,370 (54")	300 (11.8")	315 (12.4")	-	-	2,590 (102.2")
SV201TF	4,620 (170")		1,820 (71.7")				310 (12.2")	330 (13")	-	-	2,600 (102.4")
SV201TB	4,210 (166")		1,810 (71.3")				300 (11.8")	315 (12.4")	4,770 (188")	1,580 (62")	2,590 (102.2")

mm (in)

SV201D	Front:	Smooth drum, Vibrate, Drive
	Rear:	Traction - tread tires, Drive
SV201T	Front:	Padfoot drum, Vibrate, Drive
	Rear:	Traction - tread tires, Drive
SV201TF	Front:	Smooth - to - Padfoot quick - change combination drum Vibrate, Drive
	Rear:	Traction - tread tires, Drive
SV201TB	Front:	Padfoot drum, Vibrate, Drive with Leveling Blade
	Rear:	Traction - tread tires, Drive

## Features

### ☆ Excellent performance

- The balance between front and rear wheels is optimized to ensure the greatest attractive force and grade ability in the class. The differential locking device for the front and rear wheels is provided as standard equipment to further improve the traveling capacity on soft land. Sufficient driving force is available even for TB type blade work.
- The vibratory force of 72 kN (7300 kgf) is the greatest in the class, ensuring an excellent compaction effect.
- Three basic drum types are available; smooth drum, padfoot drum and smooth-to-padfoot quick-change combination drum.
- The hydrostatic transmission offers variable speed ranges and an ideal speed is easily selected for either working or transit.
- The exhaust pipe located at a high position eliminates the exhaust gas problem during work in a trench.
- TB type blade arm is not overhanging from the frame, permitting blade work in a trench with a maximum frame width.

### ☆ Easy operation and riding comfort

- Despite powerful vibration, the chassis and operator are fully protected from vibration thanks to SAKAI's patented, unique vibration isolation system.
- Due to the rubber isolator mounted operator deck, the operator's riding comfort is excellent, and electrical instruments and gauges are free from vibration.
- The vibration ON-OFF switch located on the forward-reverse lever facilitates timely vibration control.
- All control and instruments are ergonomically arranged in order to reduce operator fatigue.
- A cushioned, adjustable bucket seat is standard.

### ☆ High safety standards

- The roller is equipped with dual independent braking systems. The primary brake is hydrostatic and applied through putting the forward-reverse lever in its "NEUTRAL" position. The three-way secondary braking system is a mechanical spring-applied, hydraulically released type (SAHR) that can be operated either through a push button or pedal or automatically through engine or hydraulic system failure.
- Based on the failsafe idea, an interlock mechanism is adopted to allow engine start only when the forward - reverse lever is in the neutral position.
- The overall machine design provides the operator with excellent all-around visibility. (1m×1m)

### ☆ Excellent serviceability

- The engine and hydraulic components are enclosed in a compartment. The engine hood opens fully for easy access to engine and hydraulic components for service and maintenance.
- Large ball bearing and taper bearings are employed in the center-pin mechanism to prolong service life and lubrication intervals.

### ☆ Standard equipment and many options

- Standard equipment includes instruments, gauges, scrapers for both directions, back-up alarm, horn, Bracket for ROPS canopy.
- Many options are available: ROPS canopy and etc.

## Specifications

	SV201D	SV201T	SV201TF	SV201TB	
<b>WEIGHTS (with Rops Canopy)</b>					
Gross weight	kg (lbs)	4,350 (9,590)	4,450 (9,810)	5,200 (11,464)	4,750 (10,472)
Load on front	kg (lbs)	2,150 (4,740)	2,250 (4,960)	3,000 ( 6,614)	2,600 ( 5,732)
Load on rear	kg (lbs)	2,200 (4,850)	2,200 (4,850)	2,200 ( 4,850)	2,150 ( 4,740)
<b>SPEED (F &amp; R)</b>					
	km / h (mph)	0~7.4 (0~4.6)	0~7.5 (0~4.7)	0~7.6 (0~4.7)	0~7.5 (0~4.7)
<b>VIBRATING POWER</b>					
Frequency	Hz (vpm)	30 (1,800)			
Centrifugal force (Max.)	kN (kgf) lbs	72 (7,300) 16,100			
<b>MIN. TURNING RADIUS</b> m (in)					
		4.0 (157)			
<b>GRADABILITY</b> % (°)					
		59 (30)	55 (29)	44 (24)	50 (27)
<b>ENGINE</b>					
Model	Cummins "B3.3 - C" Diesel Engine				
Type	Water - cooled, 4 - cycle				
Piston displacement	L (cu.in)	3,261 (199)			
Rated output	kW (HP) / min <sup>-1</sup>	45 (60) 61 / 2,200			
Battery	V (Ah)	12 (80)			
<b>POWER LINE</b>					
Transmission	Hydrostatic transmission (Stepless)				
Differential	Auto lock type				
Final drive	Planetary gear				
<b>VIBRATING SYSTEM</b>					
Transmission	Hydrostatic transmission				
Vibrator	Eccentric shaft type				
<b>BRAKE SYSTEM</b>					
Service brake	Hydrostatic and mechanical type				
Parking brake	Mechanical, disk type				
<b>STEERING SYSTEM</b>					
Hydraulic type (Articulated type)					
<b>ROLL &amp; TIRES</b>					
Use	Front: roll Rear: tire No. of tires	Vibrate & Drive Drive 2			
Dimensions					
Smooth drum	mm	1,370×1,000			
W×dia.	(in)	(54×39)			
Padfoot drum	mm	1,370×1,050			
W×dia.	(in)	(54×41)			
Number of pads		80			
Pad height	mm (in)	70 (2.8)			
Tire size		11.2 - 20 - 6PR			
Suspension system					
Front: roll	Rubber damper type				
Rear: tire	Rigid				
<b>FLUID CAPACITY</b>					
Fuel tank	L (gal)	100 (26)			
Hydraulic oil tank	L (gal)	38 (10)			

\* Specifications are subject to change without notice.

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Printed in Japan 2004 11. 1A2©



Certificate No.108160