

**SAKAI®**

# SV201-1K

Series



SV201D-1K

## VIBRATORY SINGLE DRUM ROLLER

**It's the elite roller in it's class.**  
**Ideal for trenches and smaller projects such as residential and commercial construction.**  
**Available as a smooth drum model for granular soils or a padfoot model for cohesive soils.**

### Powerful Performance

- High nominal amplitude guarantees effective compaction.
- Smooth hydrostatic drive and responsive controls allows for maneuvering in tight areas and at various working speeds.
- Efficient diesel engine provides optimum power and fuel economy.
- Designed to meet high density requirements over wide range of soils and lift thicknesses.
- TF Smooth shell kit makes the padfoot model more versatile.

### Comfort and Safety

- Designed for maximum comfort and optimal visibility.
- Rubber isolated floating deck minimizes vibration.
- Built in safety features prevent accidental starting, starts only when the F-R lever is in neutral and parking brake is ON.

### Simplified Maintenance

- Fully opening engine hood.
- Grouped service points with quick and easy access to service areas.



SV201T-1K



SV201TF-1K



SV201TB-1K

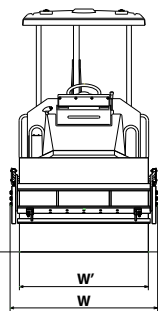


If you need any technical or service parts support on our products, please contact this web page.

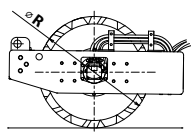
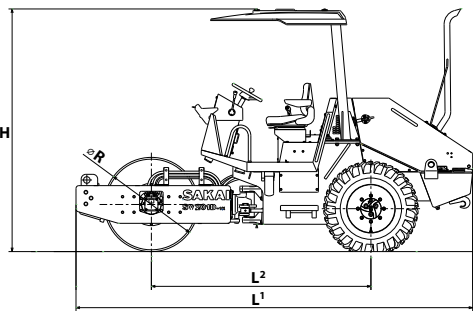
[www.sakainet.co.jp/english/](http://www.sakainet.co.jp/english/)

The photos may contain optional equipments and/or attachments.

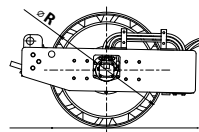
# SV201-1K Series



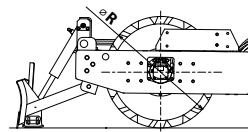
SV201D-1K



SV201T-1K



SV201TF-1K



SV201TB-1K

TYPE			Vibratory Single Drum Roller			
MODEL			SV201D-1K	SV201T-1K	SV201TF-1K	SV201TB-1K
CHASSIS MODEL			1SV64			
<b>WEIGHTS</b>	Max. operating weight (with Awning)	kg (lb)	4,440 (9,790)	4,560 (10,055)	5,250 (11,575)	4,790 (10,560)
	Operating weight (with Awning)	kg (lb)	4,400 (9,700)	4,520 (9,960)	5,210 (11,485)	4,750 (10,470)
	Load on front axle (with operating weight)	kg (lb)	2,160 (4,760)	2,260 (4,980)	2,990 (6,590)	2,590 (5,710)
	Load on rear axle (with operating weight)	kg (lb)	2,240 (4,940)	2,260 (4,980)	2,220 (4,895)	2,160 (4,760)
<b>PERFORMANCE</b>	Centrifugal force (L / H)	kN (lb)	72 (16,185)			
	Frequency (L / H)	Hz(vpm)	30 (1,800)			
	Amplitude (L / H)	mm (in)	1.65 (0.065)	1.52 (0.060)	1.00 (0.039)	1.52 (0.060)
	Dynamic linear pressure for front drum	N / cm (lb / in)	680 (390)	—	739 (420)	—
	Dynamic linear pressure for rear drum	N / cm (lb / in)	—			
	No. of speeds		1			
	Speed range (Forward & Reverse) (L / H)	km/h (mile/h)	0 - 7.4 (0 - 4.6)	0 - 7.5 (0 - 4.7)	0 - 7.6 (0 - 4.7)	0 - 7.5 (0 - 4.7)
	Gradeability	° (%)	66 (33)	64 (32)	51 (27)	58 (30)
	Turning radius inside compacted surface	m (in)	2.6 (103)			
	<b>DIMENSIONS</b>	Overall length L <sup>1</sup>	mm (in)	4,210 (166)		
Overall width W		mm (in)	1,570 (62)			1,580 (62)
Overall height (with Awning) H		mm (in)	2,600 (102)			
Wheelbase L <sup>2</sup>		mm (in)	2,330 (92)			
Width with leveling blade		mm (in)	—			1,580 (62)
Compaction width		mm (in)	1,370 (54)			
Drum width W' / Drum diameter (outer) R		mm (in)	1,370 (54) / 1,000 (39)	1,370 (54) / 1,050 (42)	1,370 (54) / 1,090 (43)	1,370 (54) / 1,050 (42)
Pad height		mm (in)	70 (27.6)			
Number of pads		pcs.	80			
Tire size / Number of tires			11.2 - 20 - 16PR (OR) / Rear : 2			
Inflation (each wheels)		kPa (lb/sq.in)	176.5 (25.5)			
Ground clearance		mm (in)	290 (11)	300 (11)	310 (12)	300 (11)
Curb clearance		mm (in)	300 (12)	315 (13)	330 (13)	315 (13)
Side clearance	mm (in)	100 (4)				
<b>ENGINE</b>	Make		KUBOTA			
	Model		V3307-DI-T			
	Type		Diesel, Water cooled, 4 cycle, direct injection			
	Displacement	L(cu.in)	3.331 (203)			
	Rated output	kW (HP)/min <sup>-1</sup>	54.6 (73) / 2,200			
	Electric system battery	V(V/CCA×Qty)	12 (12 / 750 × 1)			
	Electric system alternator	V/A	12 / 80			
	<b>DRIVE SYSTEM</b>	Transmission		Hydrostatic		
Final drive			Planetary gear			
Drive wheel			All Wheel			
<b>VIBRATION SYSTEM</b>	Power transmission type		Hydraulic			
	No. of amplitude		1			
<b>BRAKE SYSTEM</b>	Vibrator type		Eccentric shaft			
	Service brake		Hydrostatic dynamic brake through drive system / FNR Lever			
	Secondary brake (Emergency brake)		Hydrostatic + Spring-applied hydraulically released (SAHR) / Brake pedal			
<b>STEERING SYSTEM</b>	Parking brake		SAHR / Panel button			
	Type		Hydraulic type (Articulated)			
<b>FLUID CAPACITY</b>	Articulation / Oscillation	± (°)	40 / 10.0			
	Fuel tank	L (gal)	100 (26.4)			
	Hydraulic tank	L (gal)	38 (10.0)			

- Operating weight : Fuel = 50%, Water = 50%, Operator = 75kg.
- All units are SI units. Inside of ( ) is for reference units.
- Max. operating weight : Fuel = 100%, Water = 100%, Operator = 75kg.
- Above specified numbers could be deviated within ±5%.
- Specifications are subject change without notice.

※ Using low quality fuel may cause engine failure.

#### Standard Equipment :

- Cluster Gauges
- Scrapers
- Back-up Alarm
- Horn

#### Optional Equipment :

- ROPS
- Lights
- Awning
- Seat Belt



SAKAI HEAVY INDUSTRIES, LTD. obtain the certification of quality management system ISO9001.



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