

SV400 Series

Vibrating Roller

Medium-size Vibrating Rollers Realize Economical, Efficient
Compaction for Small to Medium Earth-moving Projects



SV400D-1
Smooth drum
Operating weights 7.35 ton
(16,210 lbs)

SV400TF-1
Removable smooth drum shell
Gross weights 8.9 ton
(19,620 lbs)



The above photo(s) may contain option equipments and/or attachments.

SAKAI®

Selected quality components provide outstanding reliability under harshest conditions.

Features:

☆ Excellent performance

- Well- balanced front and rear weight distribution contributes to excellent traction and slope climbing ability.
- Three basic drum types are available; smooth drum, padfoot drum and smooth-to-padfoot quick-change combination drum.
- An optimal selection of drum type and setting of dual-frequency dual-amplitude vibration system allows the SV400 roller to handle different types of material efficiently under a wide variety of working conditions.
- The hydrostatic transmission offers variable speed ranges and an ideal speed is easily selected for either working or transit.

☆ 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 further improved, 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 with arm rests 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.
- The overall machine design provides the operator with excellent all-around visibility.

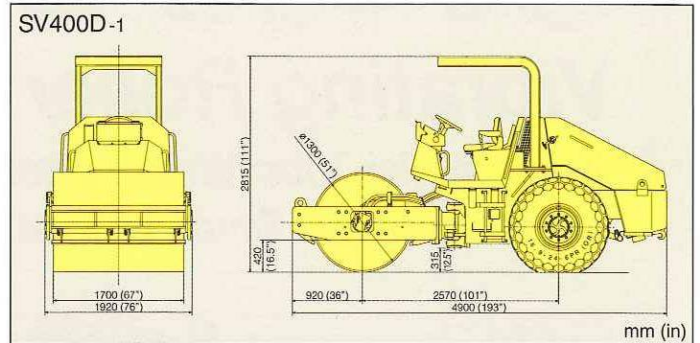
☆ Excellent serviceability

- 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.
- The hydraulic system includes conveniently located pressure gauge ports.
- Large ball bearing and taper bearings are employed in the center-pin mechanism to prolong service life and lubrication intervals.
- The vibrator bearing lubrication system keeps lubricating bearings even during hillside operation.

☆ Standard equipment and many options

- Standard equipment includes instruments, gauges, scrapers for both directions, back-up alarm, horn.
- The quiet, high quality diesel engine complies with current EPA emission standards.
- Many options are available; Rops canopy lights and mirrors.

Dimensions



Specifications

MODEL	SV400D-1	SV400T-1	SV400TF-1	
WEIGHTS				
Gross weight (w. ROPS)	kg (lbs) 7,350 (16,210)	7,600 (16,760)	8,900 (19,620)	
Load on front	kg (lbs) 3,500 (7,720)	3,750 (8,270)	5,050 (11,130)	
Load on rear	kg (lbs) 3,850 (8,490)	3,850 (8,490)	3,850 (8,490)	
DIMENSIONS				
Overall length	mm (in)	4,900 (193")		
Overall width	mm (in)	1,920 (76")		
Overall height	mm (in)	2,815 (111")	2,835 (112")	2,850 (112")
Wheelbase	mm (in)	2,570 (101")		
Rolling width	mm (in)	1,700 (67")		
Ground clearance	mm (in)	315 (12.5")		
Curb clearance	mm (in)	420 (16.5")		
SPEED (F & R)				
Low	km / h (mph)	0 ~ 6 (0 ~ 3.7)		
High	km / h (mph)	0 ~ 10 (0 ~ 6.2)		
VIBRATING POWER				
Frequency	Hz (vpm)	L: 38 (2,300)	H: 30 (1,800)	
Centrifugal force (Max.)	kN (lbs)	L: 93 (20,940)	L: 103 (23,150)	
		H: 118 (26,460)	H: 127 (28,660)	
MIN. TURNING RADIUS	m (in)	4.7 (185")		
GRADABILITY	%	62		
ENGINE				
Model		CUMMINS "B3.3T"- diesel Engine		
Type		Water-cooled, 4-cycle, 4-cylinder in-line, vertical mounted, overhead valve, direct injection type		
Piston displacement	Liter (cu.in)	3,260 (199")		
Rated output	kW (HP) / min ⁻¹	60 (80) / 1,600		
Battery		24V (12V-80 Ah × 2)		
POWER LINE				
Transmission		Hydrostatic transmission		
Differential		Auto lock type		
Final drive		Planetary gear		
VIBRATING SYSTEM				
Transmission		Hydrostatic transmission		
Vibrator		Eccentric shaft type		
BRAKE SYSTEM				
Service brake		Hydrostatic and mechanical, type		
Parking brake		Mechanical, type		
STEERING SYSTEM				
		Hydraulic type (Articulated type)		
ROLL & TIRES				
Use	Front: roll Rear: tire No. of tires	Vibrate & Drive Drive 2		
Dimensions				
Front roll: width x dia.	mm (in)	1,700 × 1,300 (67" × 51")	1,700 × 1,350 (67" × 53")	1,700 × 1,400 (67" × 55")
Number of pads		140		
Pad height	mm (in)	75 (3.0")		
Tire size		16.9 - 24 - 6PR (OR)		
Suspension system		Rubber damper type		
Front: roll		Rigid		
Rear: tires				
FLUID CAPACITY				
Fuel tank	Liter (gal)	180 (48)		
Hydraulic oil tank	Liter (gal)	50 (13)		

* Specifications are subject to change without notice.

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