

**SAKAI®**

# SW502S-1

Asphalt Roller



**SW502S-1**

## Vibratory Tandem Roller

**This highly versatile roller achieves excellent compaction results on any medium- to small-sized paving job.**

### Best Compaction Quality and Efficiency

- Easily change from low to high amplitude on the fly
- Excellent gradability – up to 38% (21°)
- Auto sprinkler stop when the Forward & Reverse lever is in the neutral position

### Easy Maintenance

- Sprinkler system with anti-clog package including plastic water tank, triple-protection filtration, and complete-drain winterization
- Oil bath lubrication for drum vibrator mechanism
- Perfect winterization

### High Safety Standards

- Built in safety features prevent accidental starting -- starts only when the Forward & Reverse lever is in the neutral position, and parking brake is applied.
- Emergency brake pedal comes standard for added safety
- 1m×1m visibility

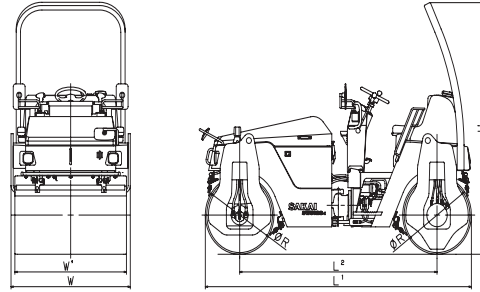
### Silent Mode

- Only 101dB(A) in 33 ft around the machine for less disruption during night paving in residential areas

[www.sakaiamerica.com](http://www.sakaiamerica.com)

Options shown. Contact your dealer for details.

# SW502S-1



TYPE		Vibratory Tandem Roller		
MODEL		SW502S-1		
CHASSIS MODEL		1SW43		
		Standard drum	Wide drum	
<b>WEIGHTS</b>	Operating weight [with ROPS]	kg (lbs)	4,160 (9,175)	
	Empty weight [with ROPS]	kg (lbs)	3,860 (8,510)	
	Load on front axle [operating weight with ROPS]	kg (lbs)	2,010 (4,435)	
	Load on rear axle [operating weight with ROPS]	kg (lbs)	2,150 (4,740)	
<b>PERFORMANCE</b>	Centrifugal force	kN (lbs)(kgf)	26.5 / 34.3 (5,955 / 7,710)[2,700 / 3,500]	
	Frequency	Hz (vpm)	55 / 55 (3,300 / 3,300)	
	Amplitude	mm (in)	0.27 / 0.35 (0.011 / 0.014)	
	Dynamic linear pressure for front drum [operating weight with ROPS]	N/cm (lb/in)	355 / 415 (203 / 237)	
	Dynamic linear pressure for rear drum [operating weight with ROPS]	N/cm (lb/in)	366 / 426 (209 / 243)	
	No. of speeds		2	
	Speed range	km/h (mph)	0-7.5 / 0-10 (0-4.7 / 0-6.2)	
	Gradability	% (°)	38 (21)	
	Min. turning radius [outer]	m (in)	4.3 (169)	
	<b>DIMENSIONS</b>	Overall length L <sup>1</sup>	mm (in)	3,100 (122)
Overall width W		mm (in)	1,390 (55)	
Overall height [without ROPS]		mm (in)	1,705 (67)	
Overall height [with ROPS] H		mm (in)	2,565 (101)	
Wheelbase L <sup>2</sup>		mm (in)	2,300 (91)	
Compaction width W'		mm (in)	1,300 (51)	
Drum width W' / Drum diameter R		mm (in)	1,300 / 800 (51 / 31.5)	
Shell thickness		mm (in)	17 (0.67)	
Ground clearance		mm (in)	280 (11.0)	
Curb clearance		mm (in)	635 (25.0)	
Side clearance		mm (in)	45 (2)	
<b>ENGINE</b>		Make		KUBOTA
		Model		V2203-EDM
	EPA emission standard		EPA Interim Tier 4	
	Type		Diesel, water cooled, 4 cycle, 4 cylinder	
	Displacement	L (cu.in)	2,197 (134)	
	Rated output	kW (HP)/min-1	29.1 (39) / 2,300	
	Electric system battery	V (V/Ah×Qty)	12 (12 / 80×1)	
	Electric system alternator	V/A	12 / 60	
<b>POWER LINE</b>	Transmission		Hydrostatic transmission	
	Type		Direct drive	
<b>VIBRATION SYSTEM</b>	Drive		All wheel	
	No. of amplitude		2	
<b>BRAKE SYSTEM</b>	Vibrator		Eccentric shaft type	
	Service (working)		Hydrostatic dynamic brake through drive system / FNR lever	
	Secondary (emergency)		Hydrostatic + Spring-applied hydraulically released (SAHR) / Brake pedal	
<b>STEERING SYSTEM</b>	Parking (parking)		SAHR / Panel button	
	Type		Hydraulic (articulated)	
<b>FLUID CAPACITY</b>	Articulation / Oscillation	± (°)	35 / 4.0	
	Fuel tank	L (gal)	50 (13)	
	Hydraulic tank	L (gal)	49 (12.9)	
	Sprinkler tank	L (gal)	310 (82)	

- Operating mass : Fuel=50%,Water=50%,Operator=75kg.
- Specifications are subject change without notice.
- Above specified numbers could be deviated within ±5%.
- All units are SI units. Inside of ( ) is for reference units.
- The photos may contain optional equipment and/or attachment.

#### Optional equipment

- Working lights • Rotary beacon



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