

**SAKAI®**

# SW502S-1

Asphalt Roller



**SW502S-1**

## Vibratory Tandem Roller

**This highly versatile, 51" 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

### 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

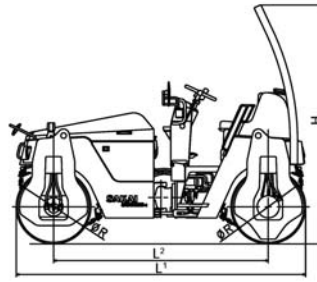
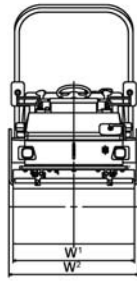
### High Safety Standards

- Build 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

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<b>TYPE</b>		
<b>MODEL</b>		
<b>CHASSIS MODEL</b>		
<b>WEIGHTS</b>	Operating weight [with ROPS]	kg(lbs)
	Empty weight [with ROPS]	kg(lbs)
	Load on front axle [operating weight with ROPS]	kg(lbs)
	Load on rear axle [operating weight with ROPS]	kg(lbs)
<b>PERFORMANCE</b>	Centrifugal force	kN(lbs)[kgf]
	Frequency	Hz(vpm)
	Amplitude	mm(in)
	Dynamic linear pressure for front drum [operating weight with ROPS]	N/cm (lb/in)
	Dynamic linear pressure for rear drum [operating weight with ROPS]	N/cm (lb/in)
	No. of speeds	
	Speed range	km/h(mph)
	Gradability	%(°)
	Min. turning radius [outer]	m(in)
<b>DIMENSIONS</b>	Overall length L <sup>1</sup>	mm(in)
	Overall width W <sup>2</sup>	mm(in)
	Overall height [without ROPS]	mm(in)
	Overall height [with ROPS] H	mm(in)
	Wheelbase L <sup>2</sup>	mm(in)
	Compaction width W <sup>1</sup>	mm(in)
	Drum width W <sup>1</sup> / Drum diameter R	mm(in)
	Shell thickness	mm(in)
	Ground clearance	mm(in)
	Curb clearance	mm(in)
	Side clearance	mm(in)
<b>ENGINE</b>	Make	
	Model	
	EPA emission standard	
	Type	
	Displacement	L(cu.in)
	Rated output	kW(HP)/min-1
	Electric system battery	V(V/Ah×Qty)
	Electric system alternator	V/A
<b>POWER LINE</b>	Transmission	
	Type	
	Drive wheel	
<b>VIBRATION SYSTEM</b>	Drive	
	No. of amplitude	
	Vibrator	
<b>BRAKE SYSTEM</b>	Service (working)	
	Secondary (emergency)	
	Parking (parking)	
<b>STEERING SYSTEM</b>	Type	
	Articulation / Oscillation	±(°)
<b>FLUID CAPACITY</b>	Fuel tank	L(gal)
	Hydraulic tank	L(gal)
	Sprinkler tank	L(gal)

<b>Vibratory Tandem Roller</b>	
<b>SW502S-1</b>	
15W43	
4,160(9,175)	
3,860(8,510)	
2,010(4,435)	
2,150(4,740)	
26.5 / 34.3(5,955 / 7,710)[2,700 / 3,500]	
55 / 55(3,300 / 3,300)	
0.27 / 0.35(0.011 / 0.014)	
355 / 415(203 / 237)	
366 / 426(209 / 243)	
2	
0-7.5 / 0-10(0-4.7 / 0-6.2)	
38(21)	
4.3(169)	
3,100(122)	
1,390(55)	
1,705(67)	
2,565(101)	
2,300(91)	
1,300(51)	
1,300 / 800(51 / 31.5)	
17(0.67)	
280(11.0)	
635(25.0)	
45(2)	
KUBOTA	
V2203-EDM	
EPA Interim Tier 4	
Diesel, water cooled, 4 cycle, 4 cylinder	
2.197(134)	
29.1(39) / 2,300	
12(12 / 80×1)	
12 / 60	
Hydrostatic transmission	
Direct drive	
All wheel	
Hydrostatic	
2	
Eccentric shaft type	
Hydrostatic dynamic brake through drive system / FNR lever	
Hydrostatic + Spring-applied hydraulically released(SAHR) / Brake pedal	
SAHR / Panel button	
Hydraulic(articulated)	
35 / 4.0	
50(13)	
49(12.9)	
310(82)	

- Operating weight : 100% Fuel, 100% Water, no Operator.
- Specifications are subject to 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 attachments.

#### Optional Equipment

- Work lights
- Rotary beacon



**SAKAI AMERICA, INC.**  
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