

# SAKAI®

# SW/TW354 SW/TW504 Series

Asphalt Rollers



SW354

## Vibratory Tandem Rollers Vibratory Combined Rollers

All-drum drive, articulated steering, compact size double drum type (SW) and combination type (TW) vibrating roller.

### Best compaction quality and efficiency

- No DPF or Regen necessary!
- High-Low amplitude selector switch on the TW504 allows for use in wider applications.
- Excellent gradability.

### ECO Mode

- Sakai's new ECO compaction mode (ECM) reduces fuel consumption up to 35% while maintaining compaction performance.

### High safety standards

- Built in safety features prevent accidental starting, starts only when the Forward & Reverse lever is in the neutral position.
- Emergency brake pedal is standard.
- 1m x 1m visibility.

### Easy Maintenance

- Best-in-class sprinkler system with anti-clog package, triple-protection filtration, plastic water tank, and perfect draining winterization.
- Oil bath lubrication for drum vibrator mechanism.

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



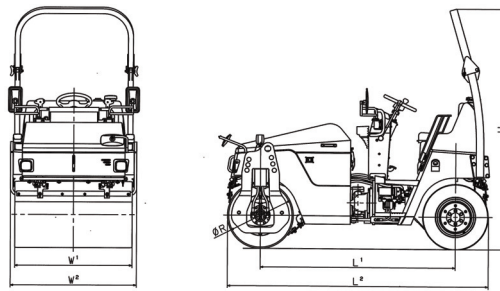
TW354



TW504

Options shown. Contact your dealer for details.

# SW/TW354 • 504 Series



TYPE			
MODEL			
CHASSIS MODEL			
<b>MASS</b>	Operating mass (with ROPS)	kg(lbs)	
	Load on front axle (with Operating mass)	kg(lbs)	
	Load on rear axle (with Operating mass)	kg(lbs)	
<b>PERFORMANCE</b>	Centrifugal force (L / H)	kN(lbs)[kgf]	
	Frequency	Hz(vpm)	
	Amplitude (L / H)	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 (L / H)	km/h(mph)	
	Theoretical Gradeability	%(°)	
	Theoretical outside turning radius	m(in)	
	Overall length L2	mm(in)	
	Overall width W2	mm(in)	
<b>DIMENSIONS</b>	Overall height (without ROPS)	mm(in)	
	Overall height (with ROPS) H	mm(in)	
	Wheelbase L1	mm(in)	
	Compaction width W1	mm(in)	
	Shell thickness	mm(in)	
	Tire size × No. of tires		
	Inflation (each wheel)	kPa(psi)	
	Drum diameter / Drum width	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>DRIVE SYSTEM</b>		Transmission type	
		Final drive	
<b>VIBRATION SYSTEM</b>	Power transmission type		
	Vibrator type		
<b>BRAKE SYSTEM</b>	Service brake		
	Secondary brake(Emergency brake)		
	Parking brake		
<b>STEERING SYSTEM</b>	Type		
	Steering / Oscillating angle	±(°)	
<b>FLUID CAPACITY</b>	Fuel tank	L(gal)	
	Hydraulic oil tank	L(gal)	
	Water sprinkler tank	L(gal)	

Vibratory Tandem Roller	Vibratory Combined Roller		
	SW354	TW354	TW504
<b>1SW73</b>	<b>1TW73</b>	<b>1TW74</b>	
2,960 (6,525)	2,660 (5,865)	3,510 (7,740)	
1,470 (3,240)	1,470 (3,240)	1,980 (4,365)	
1,490 (3,285)	1,190 (2,625)	1,530 (3,375)	
	29 (6,520) [2,957]	26.5 / 34.3 (5,955 / 7,710) [2,702 / 3,497]	
	66.7 (4,000)	52 (3,100)	
	0.31 (0.012)	0.30 / 0.40 (0.012 / 0.016)	
	362 (205)	353 / 413 (202 / 236)	
	363 (205)	-	
	2		
	0-7.0-10 (0-4.3,0-6.2)		
	38(21)		
	3.7(146)	4.3(170)	
	2,675(105)	3,105(122)	
	1,290(51)	1,390(55)	
	1,575(62)	1,705(67)	
	2,455(97)	2,565(101)	
	2,000(79)	2,300(91)	
	1,200(47)	1,300(51)	
	13(0.5)	17(0.7)	
-	9.5 / 65-15-6PR × 4	10.5 / 80-16-6PR × 4	
-	294(42.6)	294(42.6)	
	675 / 1,200(27 / 47)	800 / 1,300(31 / 51)	
	250(10)	280(11)	
	540(21)	635(25)	
	45(2)		
	KUBOTA		
	D1703-M-DI-EF03		
	EPA Tier 4		
	Diesel, water cooled, 4 cycle, 3 cylinder, direct injection		
	1.647(100.5)		
	18.2(24) / 2,200		
	12(12 / 78×1)		
	12 / 60		
	Hydrostatic		
	Direct drive		
	Hydraulic		
	Single eccentric shaft	Variable eccentric shaft	
	Dynamic braking through hydrostatic drive system / F-N-R lever		
	Hydrostatic + Spring applied hydraulically released type(SAHR) / Brake pedal		
	SAHR / Panel button		
	Hydraulic(Articulated)		
	35 / 4.0		
	40(10.6)	50(13.2)	
	43(11.4)	43(11.4)	
	200(52.8)	310(81.9)	

- Operating mass : Fuel=50%,Water=50%,Operator=75kg.
- 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 attachment.

#### Optional Equipment

- Work lights • Rotary beacon • Halogen replaced by LED
- Drum lights • CCV • Telematics • Canopy • Cocoa Mat Kit



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