

SAKAI®

SW/TW354 SW/TW504

Series

**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

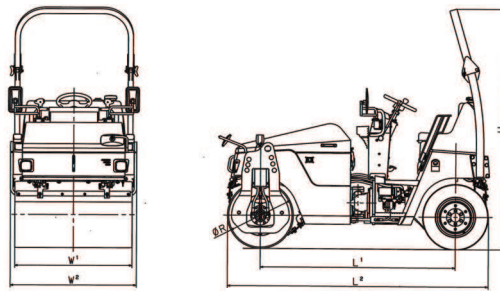
- Best-in-class sprinkler system with anti-clog package, triple-protection filtration, plastic water tank, and perfect draining winterization.
- Oil bath lubrication for drum vibrator mechanism.

www.sakaiamerica.com

**TW354****TW504**

Options shown. Contact your dealer for details.

SW/TW354 • 504 Series



TYPE		
MODEL		
CHASSIS MODEL		
MASS	Operating mass (with ROPS)	kg(lbs)
	Load on front axle (with Operating mass)	kg(lbs)
	Load on rear axle (with Operating mass)	kg(lbs)
PERFORMANCE	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)
DIMENSIONS	Overall width W2	mm(in)
	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)
ENGINE	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
DRIVE SYSTEM	Transmission type	
	Final drive	
VIBRATION SYSTEM	Power transmission type	
BRAKE SYSTEM	Vibrator type	
	Service brake	
	Secondary brake(Emergency brake)	
	Parking brake	
STEERING SYSTEM	Type	
	Steering / Oscillating angle	±(°)
FLUID CAPACITY	Fuel tank	L(gal)
	Hydraulic oil tank	L(gal)
	Water sprinkler tank	L(gal)

Vibratory Tandem Roller		Vibratory Combined Roller	
SW354	TW354	TW504	
1SW73	1TW73	1TW74	
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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Courtesy of Machine.Market