

SAKAI®

SW/TW354 SW/TW504 Series



SW504



TW504

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 504 models allows for use in wider applications.
- Excellent gradeability.

ECO Mode

- Sakai's 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 F-N-R lever is in the Neutral position.
- Emergency brake pedal is standard.
- 39" forward and rear 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.

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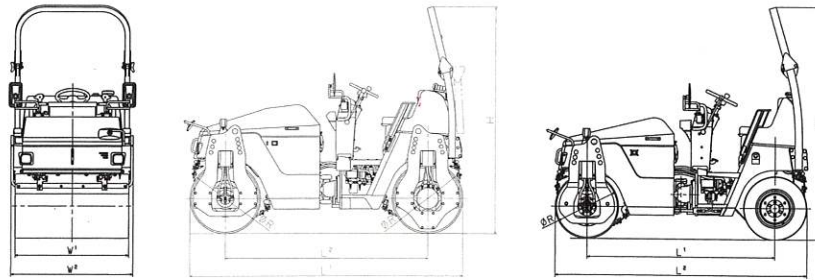
SW354



TW354

Options shown. Contact your dealer for details.

SW/TW354 • 504 Series



TYPE			
MODEL			
CHASSIS MODEL			
MASS	Operating mass (with ROPS)	lbs (kg)	
	Load on front axle (with operating mass)	lbs (kg)	
	Load on rear axle (with operating mass)	lbs (kg)	
PERFORMANCE	Centrifugal force (L / H)	lbs (kN)	
	Frequency (L / H)	vpm (Hz)	
	Amplitude (L / H)	in (mm)	
	Dynamic linear pressure for front drum operating weight with ROPS	lb/in (N/cm)	
	Dynamic linear pressure for rear drum (operating weight with ROPS)	lb/in (N/cm)	
	Number of speeds		
	Speed range (L / H)	mph (km/h)	
	Theoretical gradeability	% (°)	
	Theoretical outside turning radius	in (m)	
DIMENSIONS	Overall length L2	in (mm)	
	Overall width W2	in (mm)	
	Overall height (without ROPS) H	in (mm)	
	Overall height (with ROPS) H	in (mm)	
	Wheelbase L1	in (mm)	
	Compaction width W1	in (mm)	
	Drum width / drum diameter	in (mm)	
	Shell thickness	in (mm)	
	Tire size x number of tires		
	Inflation of each wheel	psi (kPa)	
	Ground clearance	in (mm)	
	Curb clearance	in (mm)	
	Side clearance	in (mm)	
ENGINE	Make		
	Model		
	EPA emission standard		
	Type		
	Displacement	cu. in (L)	
	Rated output	HP (kW/min ⁻¹)	
	Electric system battery	V (V/AhQty)	
	Electric system alternator	V/A	
DRIVE SYSTEM	Transmission type		
	Drive Wheel		
VIBRATION SYSTEM	Power transmission type		
	Vibrator type		
BRAKE SYSTEM	Service brake		
	Secondary brake (Emergency brake)		
	Parking brake		
STEERING SYSTEM	Type		
	Steering / Oscillating angle	± (°)	
FLUID CAPACITY	Fuel tank	gal (L)	
	Hydraulic oil tank	gal (L)	
	Water sprinkler tank	gal (L)	

- Operating mass: Fuel=50%, Water=50%, Operator=165lbs.
- Specifications are subject to change without notice.
- Above specified numbers could be deviated within ±5%.
- All Imperial units are for reference. Inside of () are SI units.

Vibratory Tandem Roller			Vibratory Combined Roller	
SW354	SW504	SW504W	TW354	TW504
1SW73	1SW74		1TW73	1TW74
6,525 (2,960)	8,955 (4,060)	9,260 (4,200)	5,865 (2,660)	7,740 (3,510)
3,240 (1,470)	4,390 (1,990)	4,540 (2,060)	3,240 (1,470)	4,365 (1,980)
3,285 (1,490)	4,565 (2,070)	4,720 (2,140)	2,625 (1,190)	3,375 (1,530)
6,520 (29)	5,955 / 7,170 (26.5 / 34.3)		4,630 (20.6)	5,955 / 7,710 (26.5 / 34.3)
4,000 (66.7)	3,300 / 3,300 (55 / 55)		3,120 (52)	3,100 / 3,100 (52 / 52)
0.012 (0.31)	0.011 / 0.014 (0.27 / 0.35)	0.010 / 0.013 (0.26 / 0.34)	0.014 (0.36)	0.012 / 0.016 (0.30 / 0.40)
205 (362)	200 / 235 (354 / 414)	195 / 225 (338 / 395)	165 (292)	202 / 236 (353 / 413)
205 (362)	205 / 240 (360 / 420)	195 / 230 (344 / 401)	N/A	N/A
2				
0-4.3 / 0-6.2 (0-7 / 0-10)				
38 (21)				
146 (3.7)	170 (4.3)	174 (4.4)	146 (3.7)	170 (4.3)
105 (2,675)	122 (3,100)		105 (2,675)	122 (3,105)
51 (1,290)	55 (1,390)	58 (1,470)	51 (1,290)	55 (1,390)
62 (1,575)	67 (1,705)		62 (1,575)	67 (1,705)
97 (2,455)	101 (2,565)		97 (2,455)	101 (2,565)
79 (2,000)	91 (2,300)		79 (2,000)	91 (2,300)
47 (1,200)	51 (1,300)	54 (1,380)	47 (1,200)	51 (1,300)
47 / 27 (1,200 / 675)	51 / 31 (1,300 / 800)	54 / 31 (1,380 / 800)	47 / 27 (1,200 / 675)	51 / 31 (1,300 / 800)
0.5 (13)	0.7 (17)		0.5 (13)	0.7 (17)
N/A			9.5 / 65-15-6PR x 4	
N/A			10.5 / 80-16-6PR x 4	
10 (250)	11 (280)		10 (250)	11 (280)
21 (540)	25 (635)		21 (540)	25 (635)
2 (45)				
KUBOTA				
D1703-M-DE-EF03	D1803-CR-T-EF02		D1703-M-DE-EF03	
EPA Tier 4				
Diesel, water cooled, 4 cycle, 3 cylinder, direct injection				
100.5 (1.647)	111.4 (1.826)		100.5 (1.647)	
24 (18.2) / 2,200	43 (32.3) / 2,400		24 (18.2) / 2,200	
12 (12 / 78x1)	12 (12 / 72x1)		12 (12 / 78x1)	
12 / 60				
Hydrostatic				
All Wheel				
Hydraulic				
Single amplitude shaft	Double amplitude shaft		Single amplitude shaft	Double amplitude shaft
Dynamic breaking through hydrostatic drive system / F-N-R lever				
Hydrostatic + Spring applied hydraulically released (SAHR) / Brake pedal				
SAHR / Panel button				
Hydraulic (Articulated)				
35 / 4.0				
10.6 (40)	13.2 (50)		10.6 (40)	13.2 (50)
11.4 (43)				
52.8 (200)	81.9 (310)		52.8 (200)	81.9 (310)

Optional Equipment

- Work lights • Strobe light • Halogen replaced by LED
- Drum lights • CCV • Telematics • Canopy • Cocoa Mat Kit
- The photos may contain optional equipment and/or attachment.