

SAKAI®

SW754

Series



Oscillatory/Vibratory Tandem Rollers

SW754 & 754ND

High frequency vibratory asphalt rollers are literally the fastest rollers available, featuring a high frequency of over 4,000 vpm. Designed to beat the tender zone on superpave and other perpetual pavement mixes.

Best Compaction Quality and Efficiency

- Frequency and amplitude modes can be switched from the seat
- Cross-mounted drive and vibration motors help maintain even weight distribution
- Counter rotation of eccentric weights in the drums cancel horizontal force
- Timer, auto or constant operated water spray system
- Osc achieves density on no-vibe jobs where structural integrity is of concern.

Operator Comfort

- Multi-position operator station (MPOS) (5 positions)
- 180° easy rotating operator console
- Excellent drum edge visibility from the operator seat

High Safety Standard

- Sakai proprietary emergency brake pedal which kills the engine and stops the machine instantly.
- 3 inch retractable seat belt
- 39 inches of visibility to the front and rear from the operators seat
- SAHR (spring applied - hydraulic released) brake

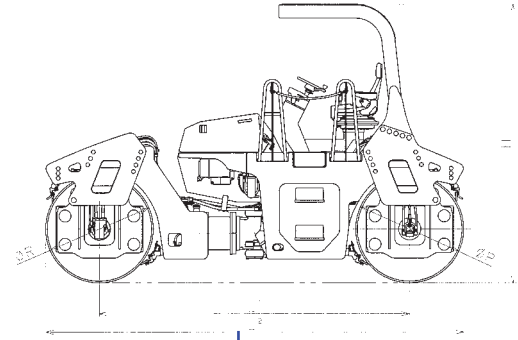
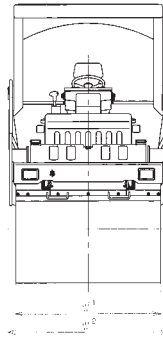
Easy Maintenance

- Sprinkler system with plastic water tanks, triple-filtration, removable brass nozzles for ease of maintenance with excellent draining winterization
- Easy ground level access to all check and maintenance points
- Long life drum isolators
- Gear drive Osc/Vibe system (no belts)

www.sakaiamerica.com

Options shown. Contact your dealer for details.

SW754 Series



MODEL				
WEIGHTS	Max. operating weight with ROPS	kg (lbs)	10,475 (23,095)	
	Operating weight with ROPS	kg (lbs)	10,020 (22,090)	
	Load on front axle - operating weight with ROPS	kg (lbs)	4,720 (10,405)	
	Load on rear axle - operating weight with ROPS	kg (lbs)	5,300 (11,685)	
PERFORMANCE	Centrifugal force	kn(lbs)	Low : 103 / 58 / 43 (23,155 / 13,040 / 9,665)	
			Vibe : 112 (25,180) Osci : 137 (30,800)	
	Frequency	Hz(vpm)	Hi : 97 / 71 (21,805 / 15,960)	
			Low : 66.7 / 50.0 / 41.7 (4,000 / 3,000 / 2,500)	
			Hi : 50.0 / 41.7 (3,000 / 2,500)	
	Amplitude	mm(in)	0.30 / 0.50 (0.012 / 0.020)	
	Dynamic linear pressure for front drum - operating weight with ROPS	N/cm(lb/in)	Low : 889 / 621 / 531 (507 / 354 / 303)	
			Hi : 853 / 698 (487 / 399)	
	Dynamic linear pressure for rear drum - operating weight with ROPS	N/cm(lb/in)	Low : 922 / 655 / 565 (527 / 374 / 323)	
			Hi : 887 / 732 (506 / 418)	
	Number of speed shift		1	
Speed range (L / H)	km/h(mph)	0 - 12 (0 - 7.5)		
Gradeability	%(°)	32 (17)		
Turning radius compacted surface (inside / outside)	m(in)	4.6 / 6.3 (182/249)		
DIMENSIONS	Overall length L ²	mm (in)	4,850 (191)	
	Overall width W ²	mm (in)	1,870 (74)	
	Overall height (without ROPS)	mm (in)	2,390 (94)	
	Overall height (with ROPS) H	mm (in)	3,225 (127)	
	Wheelbase L ¹	mm (in)	3,600 (142)	
	Compaction width W ¹	mm (in)	1,680 (66)	
	Drum width W ¹ / Drum diameter (outer)	mm (in)	1,680 / 1,250 (66 / 49)	
	Shell thickness	mm (in)	19 (0.75)	
	Ground clearance	mm (in)	275 (10.8)	
	Curb clearance	mm (in)	900 (35.5)	
	Side clearance	mm (in)	95 (3.8)	
	ENGINE	Make		KUBOTA
		Model		V3800-CR-TI-EV03
		EPA emission standard		EPA Tier 4
Type			Diesel, water cooled, 4 cycle, 4 cylinder, with turbo charger	
Displacement		L (cu.in)	3.769 (230.0)	
Rated output		kW (HP) / min-1	81.8 (110) / 2,400	
Electric system battery		V (V/CCA×Qty)	12(12 / 750×2)	
Electric system alternator		V/A	12 / 80	
DRIVE SYSTEM	Power transmission type		Hydrostatic	
	Drive wheel		All wheel (2 drums)	
VIBRATION SYSTEM	Power transmission type		Hydraulic	
	Number of amplitude		2	
	Vibrator type		Single eccentric shafts Double eccentric shafts	
BRAKE SYSTEM	Service brake		Dynamic braking through hydrostatic drive system / F-N-R lever	
	Secondary brake(Emergency brake)		Hydrostatic + Spring applied hydraulically released type (SAHR) / Brake pedal	
	Parking brake		SAHR / Panel button	
STEERING SYSTEM	Power transmission type		Hydraulic	
	Articulation / Oscillating angle	± (°)	36.7 / 6.5	
FLUID CAPACITY	Fuel tank	L (gal)	186 (49.1)	
	Hydraulic oil tank	L (gal)	90 (23.8)	
	Water sprinkler tank	L (gal)	300 + 450 (79.3 + 118.9)	
	DEF tank	L (gal)	20 (5.3)	

- Specified figures have a tolerance of ±5%.
- All specifications may be changed without notice.
- Specified figures are in SI Units, followed by their equivalent in English units of measurement in parentheses.
- Max. operating weight : Fuel=100%, Water=100%, Operator=75kg
- Operating weight : Fuel=50%, Water=50%, Operator=75kg
- The photos may contain optional equipment and/or attachment.

- Optional equipment
- Exact Compact Meter
- LED working lights
- LED Drum light kit
- Coco mats
- Rotary beacon



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