SAKAI®

SW654 Series

Vibratory Tandem Roller

Efficient compaction with various vibratory modes

ECO Mode

- Sakai's new ECO Compaction Mode (ECM) reduces fuel consumption up to 37%.

Sakai Innovative Compaction Technologies

- SW654 standard model features 4,000vpm high frequency vibration, which achieves the desired density faster and more efficiently while creating a smoother finish.
- "B model" split drum model is also equipped with high frequency vibration and operates easily in tight corners without pushing or shoving the material.
- On "ND model" the operator can easily switch both drums between oscillatory vibration for thin lift and normal vibration for thick layer compaction depending on the job conditions.

Operators Comfort

- Excellent sight lines with full view over drum surface, drum edge and sprinkler nozzles.
- Automatic water spray system reduces water waste.
- Patented dual water pump system for increased reliability.

Easy Maintenance

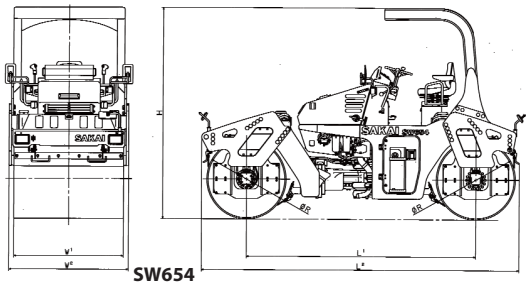
- Rugged, articulating center-pin joint.
- Long life Sakai innovative rubber isolators for drums.
- Standard sprinkler system includes anti-clog package, rust free plastic water tank, triple-protection filtration, and perfect draining winterization system.
- KUBOTA V3307 engine features OHV4 valve and Turbo that maintains output even in extreme situations.

High Safety Standards

- 1m × 1m visibility.
- Emergency foot brake pedal is standard.

Options shown. Contact your dealer for details.

SW654 Series



SW654

			Vibratory Tandem Roller		
TYPE					
MODEL			**SW654**	**SW654B**	**SW654ND**
CHASSIS MODEL				**1SW654**	
MASS	Operating mass (with ROPS-CANOPY)	kg(lbs)	7,070 (15,585)	7,970 (17,570)	7,370(16,250)
	Load on front axle (with Operating mass)	kg(lbs)	3,360 (7,405)	3,810 (8,400)	3,510(7,740)
	Load on rear axle (with Operating mass)	kg(lbs)	3,710 (8,180)	4,160 (9,170)	3,860(8,510)
PERFORMANCE	Centrifugal force (L / H)	kN(lbs)[kgf]	62 / 69 (13,940 / 15,510)	61 / 67 (13,715 / 15,060)	(Vib./Osc.)68 / 124(15,285 / 27,875)
	Frequency (L / H)	Hz(vpm)	66.7 / 50 (4,000 / 3,000)		(Vib. / Osc.) 49 / 49 (2,940 / 2,940)
	Amplitude (L / H)	mm(in)	0.27 / 0.53 (0.011 / 0.021)	0.20 / 0.39 (0.008 / 0.015)	(Vib.) 0.52 (0.021)
	Dynamic linear pressure for front drum (operating weight with ROPS-CANOPY)	N/cm(lb/in)	642 / 689 (365 / 395)	665 / 705 (380 / 405)	(Vib.) 692 (395)
	Dynamic linear pressure for rear drum (operating weight with ROPS-CANOPY)	N/cm(lb/in)	665 / 712 (380 / 405)	688 / 728 (395 / 415)	(Vib.) 715 (410)
	No.of speeds		8		
	Speed range (L / H)	km/h(mph)	0-2,0-4,0-6,0-7 / 0-4,0-7,0-11,0-13 (0-1.2,0-2.5,0-3.7,0-4.4 / 0-2.5,0-4.4,0-6.8, 0-8.1)		
	Theoretical Gradeability	%(°)	32(18)	29(16)	33(18)
	Turning radius outside compacted surface	m(in)	5.2(205)		
DIMENSIONS	Overall length L2	mm(in)	4,300(169)		
	Overall width W2	mm(in)	1,615(64)		
	Overall height (without ROPS)	mm(in)	2,060(81)		2,060(81)
	Overall height (with ROPS) H	mm(in)	2,840(112)		2,840(112)
	Wheelbase L1	mm(in)	3,100(122)		
	Compaction width W1	mm(in)	1,480(58)		
	Shell thickness	mm(in)	17(0.7)		17(0.7)
	Drum diameter / Drum width	mm(in)	1,070 / 1,480(42 / 58)		1,070 / 1,480(42 / 58)
	Ground clearance	mm(in)	275(11)		275(11)
	Curb clearance	mm(in)	705(28)		
	Side clearance	mm(in)	67(2.5)		
ENGINE	Make		KUBOTA		
	Model		V3307-CR-T-EF05		
	EPA emission standard		EPA Tier 4 Final		
	Type		Diesel, water cooled, 4 cycle, 4 cylinder, direct injection type with turbo charger		
	Displacement	L(cu.in)	3.331(203.3)		
	Rated output	kW(HP)/min-1	54.6(73) / 2,200		
	Electric system battery	V(V/Ah×Qty)	12(12 / 72×1)		
	Electric system alternator	V/A	12 / 90		
DRIVE SYSTEM	Transmission type		Hydrostatic		
	Final drive		Planetary gear		
VIBRATION SYSTEM	Power transmission type		Hydraulic		
	Amplitude control		2		(Vib. / Osc.) 1 / 1
	Vibrator type		Single eccentric shaft		Twin 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	Type		Hydraulic(Articulated)		
	Steering / Oscillating angle	±(°)	39 / 9.0		
FLUID CAPACITY	Fuel tank	L(gal)	120(31.7)		
	Hydraulic oil tank	L(gal)	44(11.6)		
	Water sprinkler tank	L(gal)	300(79.3)×2		

- Operating weight : 100% Fuel, 100% Water, no Operator.
- Specifications are subject to hange without notice.
- Operating mass : Fuel=50%,Water=50%,Operator=75kg.
- Specifications are subject 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.
- Vib./Osc.:Vibration / Oscillation

Optional Equipment

- Working lights· Rotary beacon· LED lights· Drum lights
- CCV · CIS2 Intelligent Compaction· Telematics
- Cocoa mats

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