SAKAI®

ND

Series

Oscillatory & Vibratory Tandem Rollers

Quiet & Efficient Compaction from Thin to Thick Lift Asphalt Pavements

Dual Drum Oscillation "Osc" & Vibration "Vibe"

- Versatility by switching on the fly from Vibe for high compaction efforts to Osc for smooth finish of the pavement surface
- Optimized Dual Drum Osc achieves target density of thin lift pavement (1-1.5") in fewer passes and increases paving train speed
- Osc achieves density on no-vibe jobs where structural integrity is a concern
- Osc finishes compaction jobs quietly in both residential areas and asphalt pavements on bridge decks.
- Maximized Dual Drum Vibe with high amplitude compacts thick-lift asphalt pavement, aggregate base and RCCP

High Safety Standards

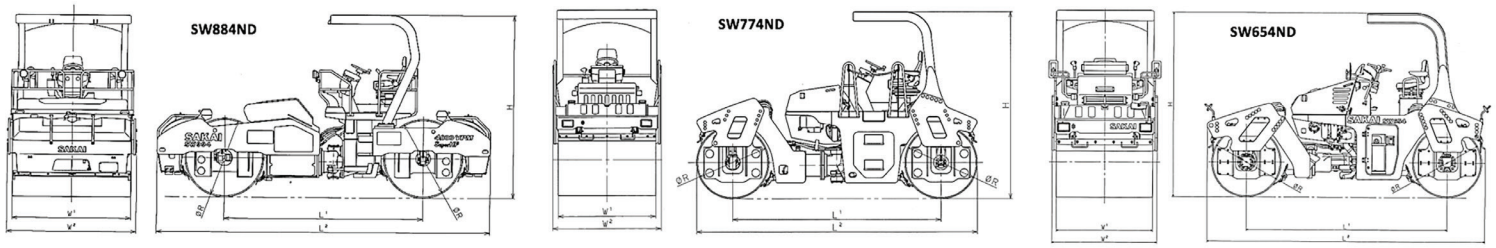
- Excellent all-around visibility (1 m x 1 m)
- Emergency brake pedal is standard

Reduced Maintenance

- Gear drive Osc/ Vibe system — no belts
- Long drum life with hardened steel shell
- Sprinkler system with anti-clog package -plastic water tank, triple-protection filtration, and winterization system standard

Options shown. Contact your dealer for details.

ND Series



TYPE			Oscillatory & Vibratory Tandem Roller					
MODEL			SW884ND		SW774ND		SW654ND	
CHASSIS MODEL								
WEIGHTS	MAX Operating weight [with ROPS]	kg(lbs)	13,950 (30,754)		11,005 (24,260)		7,730 (17,041)	
	Operating weight [with ROPS]	kg(lbs)	13,230 (29,167)		10,555 (23,270)		7,370 (16,250)	
	Load on front axle [operating weight with ROPS]	kg(lbs)	6,520 (14,374)		4,990 (11,000)		3,510(7,740)	
	Load on rear axle [operating weight with ROPS]	kg(lbs)	6,710 (14,793)		5,565 (12,270)		3,860(8,510)	
PERFORMANCE			Oscillation	Vibration	Oscillation	Vibration	Oscillation	Vibration
	Centrifugal force	kN(lbs)	172 (38,600)	158 (35,585)	137 (30,800)	112 (25,180)	124 (27,875)	68 (15,285)
	Frequency	Hz(vpm)	46.7 (2,800)		50(3,000)		49 (2,940)	
	Amplitude	mm(in)	0.60 (0.024)	0.55 (0.022)	0.61 (0.024)	0.50 (0.020)	0.75 (0.030)	0.52 (0.020)
	Dynamic linear pressure for front drum [operating weight with ROPS]	N/cm (lb/in)	-	1,111 (635)	-	958 (547)	-	692 (395)
	Dynamic linear pressure for rear drum [operating weight with ROPS]	(lb/in) N/cm	-	1,121 (640)	-	992 (566)	-	715 (410)
	No. of speeds		2		1		8	
	Speed range	km/h (mph)	0 - 11 (0-6.8)		0 - 12 (0 - 7.5)		0-13 (0-8.1)	
	Gradability	%(°)	28 (15)		30 (16)		33(18)	
	Min. turning radius [outer]	m (in)	6.3 (249)		6.3 (249)		5.2(205)	
DIMENSIONS	Overall length L2	mm (in)	5,940 (234)		4,850 (191)		4,300(169)	
	Overall width W2	mm (in)	2,245 (88)		1,870 (74)		1,615(64)	
	Overall height [without ROPS]	mm (in)	2,360 (93)		2,390 (94)		2,060(81)	
	Overall height [with ROPS] H	mm (in)	3,235 (127)		3,225 (127)		2,840(112)	
	Wheelbase L1	mm (in)	3,540 (139)		3,600 (142)		3,100(122)	
	Compaction width W1	mm (in)	2,000 (79)		1,680 (66)		1,480(58)	
	Drum width W1/ Drum diameter R	mm (in)	2,000 / 1,400 (79 / 55)		1,680 / 1,250 (66 / 49)		1480/1070 (58/42)	
	Shell thickness	mm (in)	21 (0.8)		19 (0.75)		17(0.7)	
	Ground clearance	mm (in)	320 (12.5)		275 (10.8)		275(11)	
	Curb clearance	mm (in)	735 (29)		900 (35.5)		705(28)	
	Side clearance	mm (in)	121 (4.8)		95 (3.8)		67(2.5)	
ENGINE	Make		CUMMINS		KUBOTA		KUBOTA	
	Model		QSF3.8		V3800-CR-TI-EV03		V3307-CR-T-EF05	
	EPA emission standard		EPA Tier 4		EPA Tier 4		EPA Tier 4	
	Type		Diesel, water cooled, 4 cycle, 4 cylinder, turbo charger		Diesel, water cooled, 4 cycle, 4 cylinder, turbo charger		Diesel, water cooled, 4 cycle, 4 cylinder, turbo charger	
	Displacement	L(cu.in)	3.800 (229.0)		3.769 (230.0)		3.331(203.3)	
	Rated output	kW(HP)/min-1	97.0 (130) / 2,200		81.8 (110) / 2,400		54.6(73) / 2,200	
	Electric system battery	V (V/CCA . × Qty)	12(12 / 1000×1)		12(12 / 750×2)		12(12 / 750×1)	
	Electric system alternator	V/A	12 / 135		12 / 80		12 / 90	
POWER LINE	Transmission		Hydrostatic transmission					
	Type		Hydraulic					
	Drive wheel		All wheel					
VIBRATION SYSTEM	Drive		Hydrostatic					
	No. of amplitude		1					
	Vibrator		Eccentric shaft type					
BRAKE SYSTEM	Service (working)		Hydrostatic dynamic braking through drive system / FNR Lever					
	Secondary (emergency)		Hydrostatic + Spring-applied hydraulically released (SAHR) / Brake pedal					
	Parking (parking)		SAHR / Panel button					
STEERING SYSTEM	Type		Hydraulic (Articulated)					
	Articulation / Oscillation	±(°)	36.7/6.5		36.7 / 6.5		39 / 9.0	
FLUID CAPACITY	Fuel tank	L(gal)	292 (77.1)		186 (49.1)		120 (31.7)	
	Hydraulic tank	L(gal)	65 (17.2)		90 (23.8)		44(11.6)	
	Sprinkler tank	L(gal)	2×600 (2×158.5)		300 + 450 (79.3 + 118.9)		300(79.3)×2	
	DEF tank line	L(gal)	19 (5.0)		20 (5.3)			

- Operating weight : 100% Fuel, 100% Water, no Operator.
- 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.

Optional Equipment

- Work Lights
- Rotary beacon
- Cocoa mat kit
- Drum light kit

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