



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 -57 dB Osc vs. 73 dB Vibe at 50 ft away from the drum
- Maximized Dual Drum Vibe with high amplitude compacts thick-lift asphalt pavement, aggregate base and RCCP

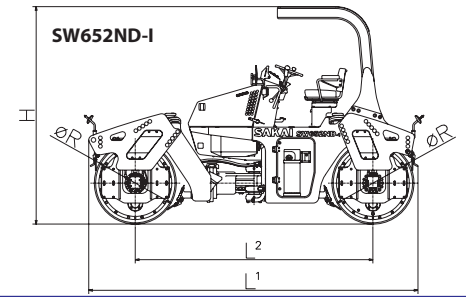
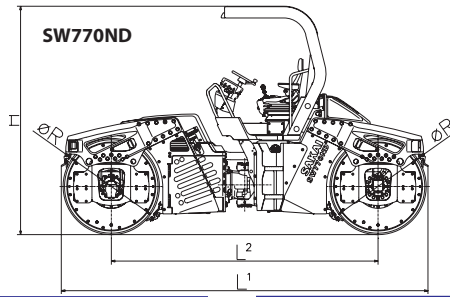
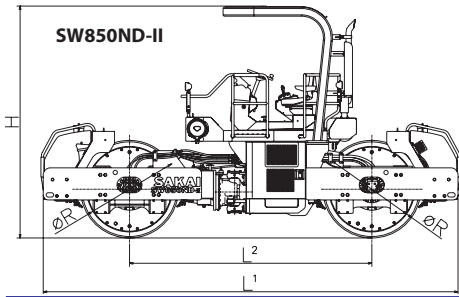
High Safety Standards

- 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 and thickness of 0.82"
- Sprinkler system with anti-clog package -plastic water tank, triple-protection filtration, and winterization system standard

ND Series



TYPE	
MODEL	
CHASSIS MODEL	
WEIGHTS	
Operating weight [with ROPS]	kg(lbs)
Empty weight [with ROPS]	kg(lbs)
Load on front axle [operating weight with ROPS]	kg(lbs)
Load on rear axle [operating weight with ROPS]	kg(lbs)
PERFORMANCE	
Centrifugal force	kN(lbs)[kgf]
Frequency	Hz(vrpm)
Amplitude	mm(in)
Dynamic linear pressure for front drum [operating weight with ROPS]	N/cm
Dynamic linear pressure for rear drum [operating weight with ROPS]	(lb/in)
No. of speeds	
Speed range	km/h(mph)
Gradability	%(°)
Min.turning radius [outer]	m(in)
DIMENSIONS	
Overall length L ¹	mm(in)
Overall width W	mm(in)
Overall height [without ROPS]	mm(in)
Overall height [with ROPS] H	mm(in)
Wheelbase L ²	mm(in)
Compaction width W'	mm(in)
Drum width W' / Drum diameter R	mm(in)
Shell thickness	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/Cap.×Qty)
Electric system alternator	V/A
POWER LINE	
Transmission	
Type	
Drive wheel	
VIBRATION SYSTEM	
Drive	
No.of amplitude	
Vibrator	
BRAKE SYSTEM	
Service (working)	
Secondary (emergency)	
Parking (parking)	
STEERING SYSTEM	
Type	
Articulation / Oscillation	±(°)
FLUID CAPACITY	
Fuel tank	L(gal)
Hydraulic tank	L(gal)
Sprinkler tank	L(gal)

Oscillatory & Vibratory Tandem Roller

SW850ND- II		SW770ND		SW652ND-1	
4SW56		4SW48		1SW47	
13,370(29,480)		11,320(24,955)		7,650(16,865)	
12,170(26,830)		10,320(22,750)		7,050(15,545)	
6,440(14,200)		5,460(12,035)		3,640(8,025)	
6,930(15,280)		5,860(12,920)		4,010(8,840)	
Oscillation	Vibration	Oscillation	Vibration	Oscillation	Vibration
171 (38,440) [17,440]	138 (31,025) [14,070]	163 (36,645) [16,620]	138 (31,025) [14,070]	124 (27,875) [12,645]	68 (15,285) [6,935]
47(2,820)		50(3,000)		49(2,940)	
0.60 (0.024)	0.55 (0.022)	0.70 (0.028)	0.60 (0.024)	0.70 (0.028)	0.50 (0.020)
-	1,006 (574)	-	1,127 (643)	-	701 (400)
-	1,030 (588)	-	1,150 (657)	-	725 (414)
2		2		6	
0 - 7 / 0 - 11(0 - 4.3 / 0 - 6.8)		0 - 6 / 0 - 14(0 - 3.7 / 0 - 8.7)		0 - 2, 4, 6 / 0 - 4, 8, 13 (0 - 1.2, 2.5, 3.7 / 0 - 2.5, 5.0, 8.1)	
30(17.2)		32(18)		32(18)	
6.3(249)		6.3(249)		5.1(201)	
5,820(229)		4,950(195)		4,300(169)	
2,205(87)		1,860(73)		1,615(64)	
2,325(92)		2,210(87)		2,080(82)	
3,255(128)		3,080(121)		2,840(112)	
3,400(134)		3,600(142)		3,100(122)	
2,000(79)		1,700(67)		1,480(58)	
2,000 / 1,370 (79 / 54)		1,700 / 1,300 (67 / 51)		1,480 / 1,070 (58 / 42)	
21(0.83)		19(0.75)		17(0.67)	
315(12)		280(11)		275(11)	
535(21)		838(32.5)		705(28)	
127(5)		80(3)		67.5(3)	
DEUTZ		ISUZU		KUBOTA	
TCD2012L04 2V		4JJ1XDIA		V3307-DI-T-KDN	
EPA Tier 3		EPA Tier 3		EPA Interim Tier 4	
Diesel, water cooled, 4 cycle, 4 cylinder with turbo charger					
4.038(246)		2,999(183)		3.331(203)	
95(127.4) / 2,300		92(123) / 2,200		55.4(74) / 2,200	
12(12 / CCA 760×2)		24(12 / 80 Ah×2)		12(12 / 72 Ah×1)	
12 / 60		24 / 50		12 / 80	
Hydrostatic transmission					
Hydraulic					
All wheel					
Hydrostatic					
1					
Eccentric shaft type					
Hydrostatic dynamic brake through drive system / FNR Lever					
Hydrostatic + Spring-applied hydraulically released (SAHR) / Brake pedal					
SAHR / Panel button					
Hydraulic (Articulated)					
37 / 6.5		36.7 / 6.5		39 / 9.0	
250(66)		193(51)		120(32)	
80(21)		50.3(13)		51(13.5)	
600(159)×2		1,000(264)		300(79)×2	

- 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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Courtesy of Machine.Market