SAKAI®

SW652-1 SW652-1K



VIBRATORY TANDEM ROLLER

Efficient compaction with various vibratory modes

Sakai patented compaction technologies

- SW652-1/-1K, standard model features 4,020vpm high frequency vibration by which can efficiently achieve the density faster and create smoother hot mix asphalt (HMA) mat.
- "B model", split drum type is also equipped with high frequency vibration and is easy to operate in the tight corner without pushing or shoving the material.
- On "ND model", oscillatory or circular (normal) vibration is selected by switch at operator station depending on the job conditions. The oscillatory vibration is good for thin lift and the circular vibration is effective for thick layer compaction.

Operators comfort

- Full view over drum surface, drum edge and sprinkler nozzles.
- Auto shut-off of water sprinkler when the Forward & Reverse lever is in the neutral position.
- Patented dual water pump system for increased reliability.

High safety standards

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

Easy Maintenance

- Rugged articulated centre-pin joint.
- Long life Sakai patented rubber isolators for drums.
- Sprinkler system with anti-clog package, i.e., a plastic water tank, triple-protection filtration, etc., and with perfect draining winterization.
- KUBOTA V3307 engine features OHV4 valve and Turbo that maintains output even at high elevations.



SW652B-1



SW652ND-1



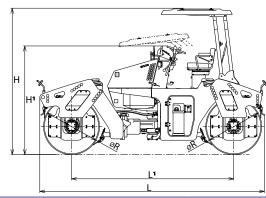
SW652H-1

If you need any technical or service parts support on our products, please contact this web page.



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-1K Series



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TYPE				Vibratory T	andem Roller	
1400 F			SW652-1	SW652H-1	SW652ND-1	-
MODEL			SW652-1K	SW652H-1ĸ	-	SW652NDH-1K
C IACCIC MODEL			1SW47 [SW652:1 Series]			
CHASSIS MODEL		1SW62 [SW652-1k Series]				
WEIGHTS	Max. operating weight with AWNING	kg(lbs)	7,180 (15,830)	8,080 (17,815)	7,480 (16,490)	8,140 (17,945)
	Operating weight with AWNING	kg(lbs)	6,820 (15,035)	7,720 (17,020)	7,120 (15,700)	7,780 (17,150)
	Loadon front axle -operating weight with AWNNG	kg(lbs)	3,290 (7,255)	3,740 (8,245)	3,440 (7,585)	3,770 (8,310)
	Loadon rear axle-operating weight with AWNING	kg(lbs)	3,530 (7,780)	3,980 (8,775)	3,680 (8,115)	4,010 (8,840)
PERFORMANCE	Certrifugal force(L /H)	kN(lbs)[kgf]	62 /69 (13,940 /15,510) [6,320 /7,040] (Vib. /Osc) 68 /124(15,285 /27,875) [6,930 /12,640]			
	Frequency (L /H)	Hz(vpm)	67 /50 (4020 /3,000) (Vib. /Osc) 49 /49(2,940 /2,940)			49(2,940 /2,940)
	Amplitude(L /H)	mm (n)	0.30 /0.55 (0.012 /0.022)	0.20 /0.40 (0.008 /0.016)	(Vib /Osc) 0.52/0.75 (0.020/0.030)	(Vib. /Osc) 0.39 /0.53(0.015 /0.0
	Dynamitlinear pressure for front drum – operating weight with AWNNG(L /H)	Nar (lbs/in)	637 /684 (365 /390)	667 /683 (380 /390)	Vibration 687 (390)	Vibration 709 (405)
	Dyna miclinear pressure for rear drum – operating weight with AWNNG(L/H)	Nar (lbs/in)	653 //00 (375 /400)	714 /730 (410 /415)	Vibration 703 (400)	Vibration 725 (415)
	Number of speedshifts		6			
	Speedrange(L/H)	km/h(mph)	0-2, 0-4,0-6 /0-4,0-8, 0-13 (0-1.2, 0-2.5, 0-3.7 /0-2.5, 0-5.0, 0-8.1)			
	Gradeability	%(°)	34(19)	29(16)	32 (18)	29(16)
	Turningradius compacted surface (inside /outside)	m(in)		3.7 /5.1	(146 /201)	
DIMENSIONS	Overall length L	(n)	4,300 (169)			
	Overall width W	(n)		1,6	15 (64)	
	Overall height (without AWNNG) H1	(n)	2,080 (82)	2,085 (82)	2,080 (82)	2,085 (82)
	Overall height (with AWNING) [fold /urfold] H	(n)	2,315 /2,795 (91 /110)	2,320 /2,805 (91 /110)	2,315 /2,795 (91 /110)	2,320 /2,805 (91 /110)
	Wheelbase L ¹	mm (n)	3,100(122)			
	Compaction width W'	(n)	1,480 (58)			
	DrumwidthW'/DrumdiameterR	(n)	1,480 /1,070 (58 /42)	1,480 /1,087 (58 /43)	1,480 /1,070 (58 /42)	1,480 /1,087 (58 /43)
	Shell thickness	(n)	17 (0.7)	25.5 (1.0)	17 (0.7)	25.5 (1.0)
	Grounddearance	mm (n)	275 (11)	280 (11)	275 (11)	280(11)
	Curbdearance	mm (n)	705 (28)	715 (28)	705 (28)	715 (28)
	Sidedearance	mm (n)	67(25)			
ENGNE	Make		KUBOTA			
	Model		V3307-D1-T-KDN(InterimTier4) [SW652-1 Series]			
			V3307-DI-T-E2B-RPSH1 [SW652-1K Series]			
	Туре		Diesel, water cooled, 4cycle, 4cylinder, with turbocharger			
	Displacement	L(cuin)	3.331 (203.3)			
	Ratedoutput	kW (+P)/min-1	55.4(74) /2,200			
	Electric system battery	V(V/Ahx Qty)	12V(12V ///2 x1)			
	Bectricsystemalternator	V/A	12V ,80A			
DRIVE SYSTEM	Power transmission type		Hydrostatic			
	Drivewheel		All wheel (two druns)			
Vibration System	Power transmission type		Hydraulic Hydraulic			
	Number of amplitude		2			
	Vibrator type	Sin geeccertrics haft				
BRAKE SYSTEM	Service brake	Dynamic braking through hydrostatic drive system /ANR lever				
	Secondary brake (Emerge ncy brake)		Hydrostatic +Springappliedhydraulically released type (SAHR) /Brake pedal			
	Par king brake		SAHR /Panel button			
	Power transmission type	Hydraulic				
SYSTEM	Articulation /Oscillationangle					
FLUIDCAPACITY	Fuel tank	L (gal)	120(31.7)			
	Hydraulicoil tank	L (gal)		51	(13.5)	
	Water sprinkler tank	L (gal)		300(79.3) x 2	

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. Engine meets EPA standards for SW652-1 series.

Using low quality fuel may cause engine failure.



Pulomas Office Park, Tower 1, 1st Floor, Room 11 Jl. Jenderal Ahmad Yani No. 02 Jakarta Timur 13210

Standard Equipment:

- Working lights Turnsignal lamp Mirrors Scrapers for both directions
- ☐ Slidlingseat ☐ Independent vibration control ☐ Pressurized water sprinkler system
 ☐ Intermittent water spray timer ☐ 4 points lifting ☐ Accessory so ket (12V)
 ☐ Accessory so ket (12V)

Optional Equipment:

🛛 ROPS CAN OPY 🗈 Rotary beacon 🗈 Seatbelt 🗈 Sidesliding seat 🗈 Split drum

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.