



SW888

VIBRATORY TANDEM ROLLER

It can be used in general HMA, or SMA that is difficult to compact, and with a vibration frequency of 4,000 vpm, it enables rapid, large-scale construction.

Best Compaction Quality and Efficiency

- With a centrifugal force that can be set at five different levels, and a maximum vibration frequency of 4,000 vpm, it is capable of handling a variety of hot mix asphalt types (HMA) and rapid construction.
- Using the optional EXACT COMPACT METER allows easy judgment of the appropriate impact spacing.
- The curb clearance is 750 mm, allowing compaction right up to the edge of curbs.
- Both the front and rear drums are equipped with one water sprinkler pump and one spray bar each, as well as a backup water sprinkler pump.
- The spray bar is covered with a windshield that can be opened and closed, ensuring the wetting of the vibration drums and preventing the asphalt from sticking to it.

High Safety Standards and Operator's Comfort

- The original emergency brake pedal unique to SAKAI is capable of stopping the machine in an emergency, ensuring the safety of workers.
- 1 m x 1 m visibility.
- The engine is mounted on the front frame (separated from operator station) for easier maintenance and operator's comfort.

Easy Maintenance

- Sprinkler system with anti-clog package, i.e., a plastic water tank, triple-protection filtration, etc., and with perfect draining winterization.
- The folding awning lowers the height of the machine allowing easy transportation.



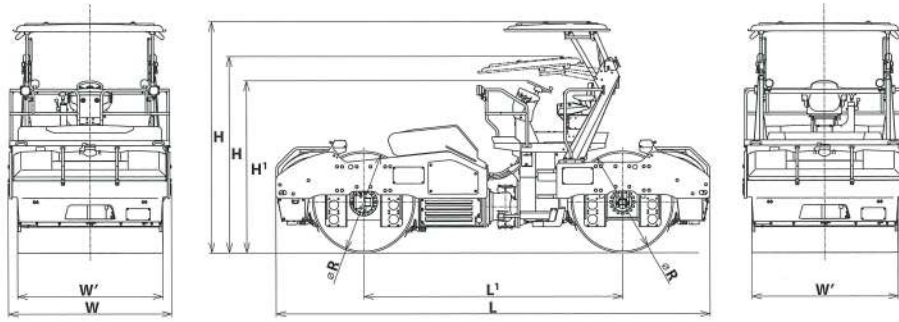
SW988

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SW888 · 988



TYPE			Vibratory Tandem Roller		
MODEL			SW888	SW988	
CHASSIS MODEL			VSW70	VSW72	
WEIGHTS	Max. operating weight with AWNING	kg (lbs)	13,190 (29,080)	13,610 (30,005)	
	Operating weight with AWNING	kg (lbs)	12,460 (27,470)	12,880 (28,395)	
	Load on front axle - operating weight with AWNING	kg (lbs)	6,230 (13,735)	6,430 (14,175)	
	Load on rear axle - operating weight with AWNING	kg (lbs)	6,230 (13,735)	6,450 (14,220)	
PERFORMANCE	Centrifugal force (L1, 2, 3 / H1, 2)	kN	163, 92, 64 / 152, 106	176, 99, 69 / 171, 119	
		(lbs)	(36,645, 20,680, 14,385 / 34,170, 23,830)	(39,565, 22,255, 15,510 / 38,440, 26,750)	
		[kgf]	[16,620, 9,380, 6,530 / 15,500, 10,810]	[17,950, 10,100, 7,040 / 17,440, 12,130]	
	Frequency (L1, 2, 3 / H1, 2)	Hz (vpm)	66.7, 50.0, 41.7 / 50.0, 41.7 (4,000, 3,000, 2,500 / 3,000, 2,500)		
	Amplitude (L / H)	mm (in)	0.33 / 0.55 (0.013 / 0.022)		
	Dynamic linear pressure for front drum - operating weight with AWNING (L1, 2, 3 / H1, 2)	N / cm (lbs / in)	1,120, 765, 625 / 1,065, 835 (640, 437, 357 / 608, 477)		
	Dynamic linear pressure for rear drum - operating weight with AWNING (L1, 2, 3 / H1, 2)	N / cm (lbs / in)	1,120, 765, 625 / 1,065, 835 (640, 437, 357 / 608, 477)		
	Number of speed shifts		1		
	Speed range (L / H)	km/h (mph)	0-11 (0-6.8)		
	Gradeability	% (°)	29 (16)		
Turning radius compacted surface (inside / outside)	m (in)	4.3 (170) / 6.3 (249)			
DIMENSIONS	Overall length L	mm (in)	5,940 (234)		
	Overall width W	mm (in)	2,245 (88)	2,325 (92)	
	Overall height (without AWNING) H¹	mm (in)	2,375 (94)		
	Overall height (with AWNING) [fold / unfold] H	mm (in)	2,710 / 3,190 (107 / 126)		
	Wheelbase L¹	mm (in)	3,540 (139)		
	Compaction width W¹	mm (in)	2,000 (79)	2,130 (84)	
	Drum width W¹ / Drum diameter R	mm (in)	2,000 / 1,400 (79 / 55)		
	Shell thickness	mm (in)	22 (0.9)		
	Ground clearance	mm (in)	335 (13.1)		
	Curb clearance	mm (in)	750 (29.6)		
	Side clearance	mm (in)	121 (4.8)	97 (3.9)	
	ENGINE	Make		DEUTZ	
		Model		BF4M2012C (EPA Tier2 : equivalent)	
Type			Diesel, water cooled, 4 cycle, 4 cylinder, with turbo charger		
Displacement		L (cu.in)	4.038 (246.4)		
Rated output		kW(HP)/min ⁻¹	100.0 (134) / 2,400		
Electric system battery		V(V / CCA x Qty)	12V (12V / 760 x 2)		
Electric system alternator		V / A	14V / 95A		
DRIVE SYSTEM	Transmission type		Hydrostatic		
	Drive wheel		All wheel (two drums)		
VIBRATION SYSTEM	Power transmission type		Hydraulic		
	Number of amplitude		2		
BRAKE SYSTEM	Vibrator type		Double eccentric shaft		
	Service brake		Dynamic braking through hydrostatic drive system / FNR lever		
	Secondary brake (Emergency brake)		Hydrostatic + Spring applied hydraulically released type (SAHR) / Brake pedal		
STEERING SYSTEM	Parking brake		SAHR / Panel button		
	Power transmission type		Hydraulic		
FLUID CAPACITY	Articulation / Oscillation angle	± (°)	36.7 / 6.5		
	Fuel tank	L (gal)	292 (77.1)		
	Hydraulic oil tank	L (gal)	83 (21.9)		
	Water sprinkler tank	L (gal)	600 (158.5) 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.
- 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.

* Using low quality fuel may cause engine failure.

Standard Equipment :

- AWNING ● Instrument panel ● Gauges ● Backup alarm ● Horn
- Head light ● Working lights ● Mirrors
- Scrapers for both directions ● Swing seat
- Independent vibration control ● Pressurized water sprinkler system
- Intermittent water spray timer ● 4 points lifting
- Accessory socket (12V) ● Vandalism protections

Optional Equipment :

- ROPS CANOPY ● EXACT COMPACT METER

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