

SAKAI®

SW888 988

Asphalt Roller



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.

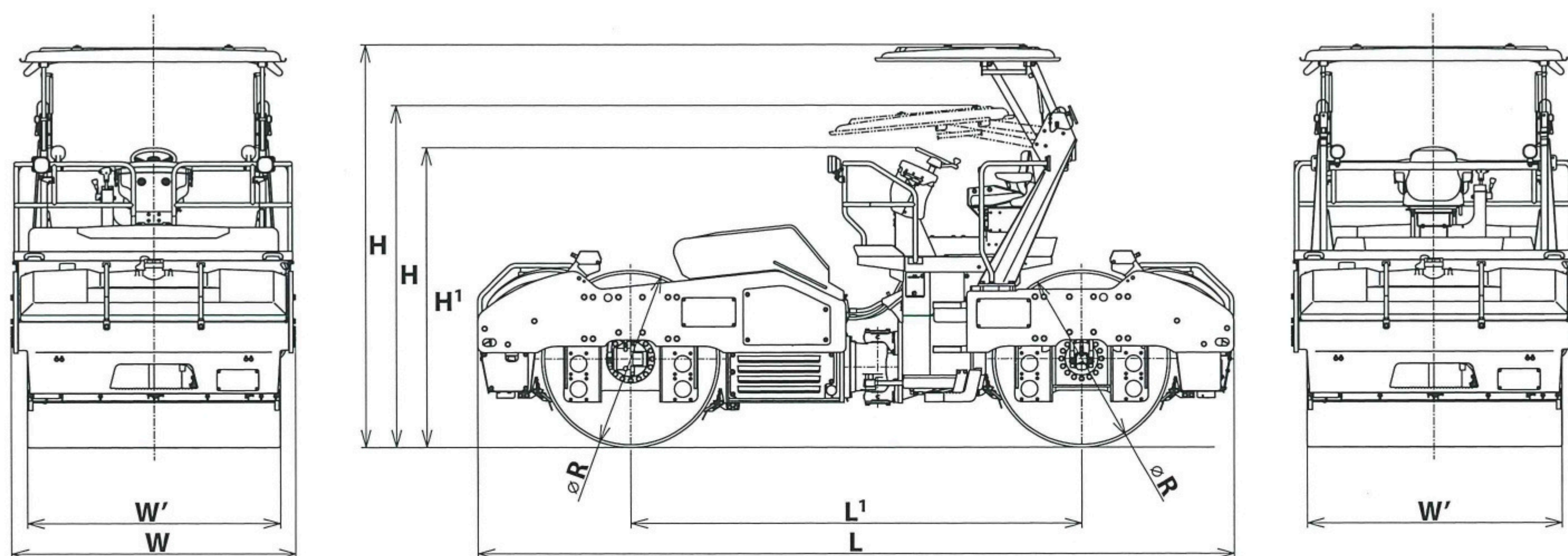
Easy Maintenance

- 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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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 (lbs) [kgf]	163, 92, 64 / 152, 106 (36,645, 20,680, 14,385 / 34,170, 23,830) [16,620, 9,380, 6,530 / 15,500, 10,810]	176, 99, 69 / 171, 119 (39,565, 22,255, 15,510 / 38,440, 26,750) [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)	0.35 / 0.60 (0.014 / 0.024)
	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)	1,122, 761, 620 / 1,099, 855 (641, 434, 354 / 627, 488)
	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)	1,123, 762, 621 / 1,100, 856 (641, 435, 355 / 628, 489)
	Number of speed shifts		1	
	Speed range (L / H)	km/h (mph)	0–11 (0–6.8)	
	Gradeability	% (°)	29 (16)	28 (15)
	Turning radius compacted surface (inside / outside)	m (in)	4.3 (170) / 6.3 (249)	4.2 (166) / 6.3 (249)
	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)	
DIMENSIONS	Overall height (with AWNING) [fold / unfold] H	mm (in)	2,710 / 3,190 (107 / 126)	
	Wheelbase L¹	mm (in)	3,540 (139)	
	Compaction width W'	mm (in)	2,000 (79)	2,130 (84)
	Drum width W' / Drum diameter R	mm (in)	2,000 / 1,400 (79 / 55)	2,130 / 1,400 (84 / 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)	
ENGINE	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 SYSTEM	Drive wheel		All wheel (two drums)	
	VIBRATION SYSTEM Power transmission type		Hydraulic	
VIBRATION SYSTEM	Number of amplitude		2	
	Vibrator type		Double eccentric shaft	
BRAKE SYSTEM	Service brake		Dynamic braking through hydrostatic drive system / FNR lever	
	Secondary brake (Emergency brake)		Hydrostatic + Spring applied hydraulically released type (SAHR) / Brake pedal	
	Parking brake		SAHR / Panel button	
STEERING SYSTEM	Power transmission type		Hydraulic	
	Articulation / Oscillation angle	± (°)	36.7 / 6.5	
FLUID CAPACITY	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