

SAKAI®

SW300-1·320-1·330-1 TW320-1·330-1



SW330-1



TW330-1

Vibratory Rollers

**All-drum drive, articulated steering
Compact size double drum type (SW) and
combination type (TW) vibrating roller.**

Powerful Performance

- Vibration frequency of 66.7Hz (4,000vpm) allows highly efficient compaction with optimum impact spacing without sacrificing speed.
- Achieves clean surface finish with unique-to-SAKAI rotational direction of vibration shaft (counter rotating).
- Forward/Reverse levers on each side of the machine and Operator's Bench Seat allow for excellent Drum Edge visibility.
- Excellent gradability.
- Applicable to a wide range of job applications due to its high curb clearance, side overhang, long wheel base and other specifications.
- Non-corrosive water spray system allows for excellent drum coverage.
- Vibration switch in the Forward/Reverse lever and Auto-vibration mode allow timely On-Off control.
- Cross mounted hydraulic drive motors on the front and rear drums keep the roller driving straight even at slower speeds.

Comfort and Safety

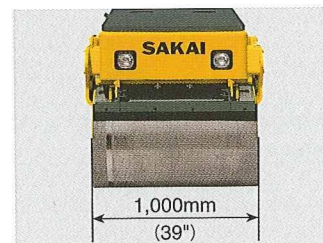
- Emergency brake pedal is similar to an automobile brake system. Hydrostatic and multi-disc brake systems applied simultaneously for added safety.
- Excellent 360-degree visual angle for added safety.

Simplified Maintenance

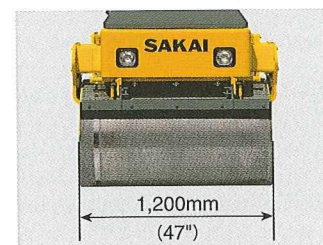
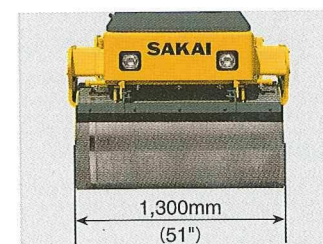
- One-touch mounting water spray nozzles can be removed without any tools, thus making nozzle replacement a breeze.

See in detail at Sakai Web site

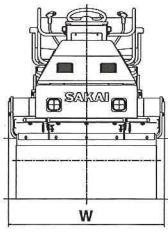
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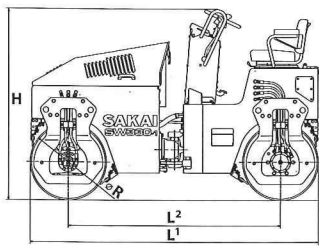
SW300-1

SW320-1
TW320-1SW330-1
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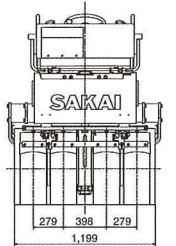
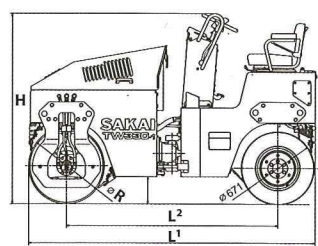
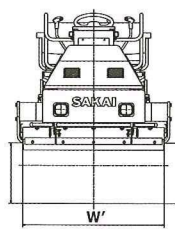
SW300-1·320-1·330-1 / TW320-1·330-1



SW330-1



TW330-1



(mm)

TYPE		Vibratory Tandem Roller			Vibratory Combined Roller			
MODEL		SW300-1	SW320-1	SW330-1	TW320-1	TW330-1		
CHASSIS MODEL		4SW49	4SW50	4SW51	4TW50	4TW51		
WEIGHTS	Operating weight	kg (lbs)	2,725 (6,010)	2,890 (6,370)	2,970 (6,550)	2,710 (5,975)	2,750 (6,060)	
	Empty weight	kg (lbs)	2,545 (5,610)	2,710 (5,970)	2,790 (6,150)	2,520 (5,555)	2,560 (5,645)	
	Load on front axle (operating weight)	kg (lbs)	1,315 (2,900)	1,400 (3,085)	1,440 (3,175)	1,410 (3,110)	1,450 (3,195)	
	Load on rear axle (operating weight)	kg (lbs)	1,410 (3,110)	1,490 (3,285)	1,530 (3,375)	1,300 (2,865)		
PERFORMANCE	Centrifugal force (L / H)	kN (lbs)	27.5 (6,175)				31.4 (7,055)	
	Frequency (L / H)	Hz (vpm)	66.7 (4,000)					
	Amplitude (L / H)	mm (")	0.32 (0.020)	0.33 (0.013)	0.28 (0.011)	0.33 (0.013)		
	Dynamic linear pressure for front roll (operating weight)	N/cm (lbs/in)	404 (233)	376 (217)	350 (202)	377 (217)	380 (219)	
	Dynamic linear pressure for rear roll (operating weight)	N/cm (lbs/in)	413 (238)	383 (221)	357 (206)	-	-	
	No. of speeds		1					
	Speed range (Forward & Reverse) (L / H)	km / h (mile / h)	0 - 12.0 (0 - 7.5)			0 - 11.7 (0 - 7.3)		
	Gradability	° (%)	23 (43)	21 (40)	20 (38)	21 (40)	20 (38)	
	Min. turn radius (outer)	m (")	3.7 (146)	3.8 (150)				
	DIMENSIONS	Overall length L ¹	mm (")	2,650 (104)			2,645(104)	
Overall width W		mm (")	1,130 (44)	1,330 (52)	1,430 (56)	1,330 (52)	1,430 (56)	
Overall height H		mm (")	1,750 (69)					
Wheelbase L ²		mm (")	1,950 (77)					
Compaction width		mm (")	1,000 (39)	1,200 (47)	1,300 (51)	1,200 (47)	1,300 (51)	
Drum width W' / Drum diameter (outer) R		mm (")	1,000 (39) / 700 (28)	1,200 (47) / 700 (28)	1,300 (51) / 700 (28)	1,200 (47) / 700 (28)	1,300 (51) / 700 (28)	
Shell thickness		mm (")	13 (0.5)					
Tire size × Number of tires			-			9.5 / 65 - 15 - 6PR (OR) × 4		
Inflation (each wheels)		kPa (lb / sq.in)	-			294 (42.6)		
Ground clearance		mm (")	250 (10)					
Curb clearance		mm (")	550 (21.5)					
Side clearance		mm (")	65 (2.6)					
ENGINE		Make		KUBOTA				
	Model		D1703-M-ET01 (Diesel)					
	Type		Water-cooled, 4-cycle					
	Displacement	L (cu.in)	1.647 (100.5)					
	Rated output	kW (HP)/min ⁻¹	26.1 (35) / 2,800					
	Electric system battery	V (V / Ah × Qty)	12 (12 / 80 × 1)					
	Electric system alternator	V / A	12 / 60					
POWER LINE	Transmission		Hydrostatic transmission					
	Type		Hydraulic					
VIBRATION SYSTEM	Drive wheel		All Wheel					
	Drive		Hydrostatic					
BRAKE SYSTEM	Amplitude control		Single					
	Vibrator		Eccentric shaft type					
	Service (emergency)		Hydrostatic + SAHR / Brake Pedal					
STEERING SYSTEM	Parking (parking)		Spring-applied, hydraulically released type (SAHR) / Panel Button					
	Working (nominal)		Hydrostatic dynamic brake through drive system / F&R Lever					
FLUID CAPACITY	Type		Hydraulic type (Articulated)					
	Articulation / Oscillation	± (°)	35 / 7.5					
FLUID CAPACITY	Fuel tank	L (gal)	50 (13.2)			43 (11.4)		
	Hydraulic tank	L (gal)	42 (11.1)					
	Sprinkler tank	L (gal) × Qty	180 (48) × 1					
	Liquid tank	L (gal)	-			10 (2.6)		

- 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.

- ※ Engine meets EPA standards.
- ※ Using low quality fuel may cause engine failure.


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- Standard Equipment :**
- Cluster Gauges ● Scrapers ● Back-up Alarm ● Horn
- Optional Equipment :**
- Roll Bar ROPS ● Lights