

SAKAI®

SV700

Series

Soil Compactor



SV700D

VIBRATORY SINGLE DRUM ROLLER

The innovatively designed SV700 is applicable to medium to large soil compaction jobs. The SV700 includes new roller features and optimizes job profitability through efficiency.

Best Compaction Quality and Efficiency

- The amplitude of the largest in the world class carries out greatest compaction.

High Safety Standards

- Built in safety features prevent accidental starting, starts only when the Forward, Neutral & Reverse lever is in the neutral position and press down the parking brake switch.
- Emergency brake pedal is standard.

Easy Maintenance

- The engine and hydraulic components are enclosed in a compartments.
- The engine hood opens fully for easy access to engine and hydraulic components for service and maintenance.

Operator Comfort and Safety

- Include Sakai's durable dual rubber isolation system between the drum and operator deck.



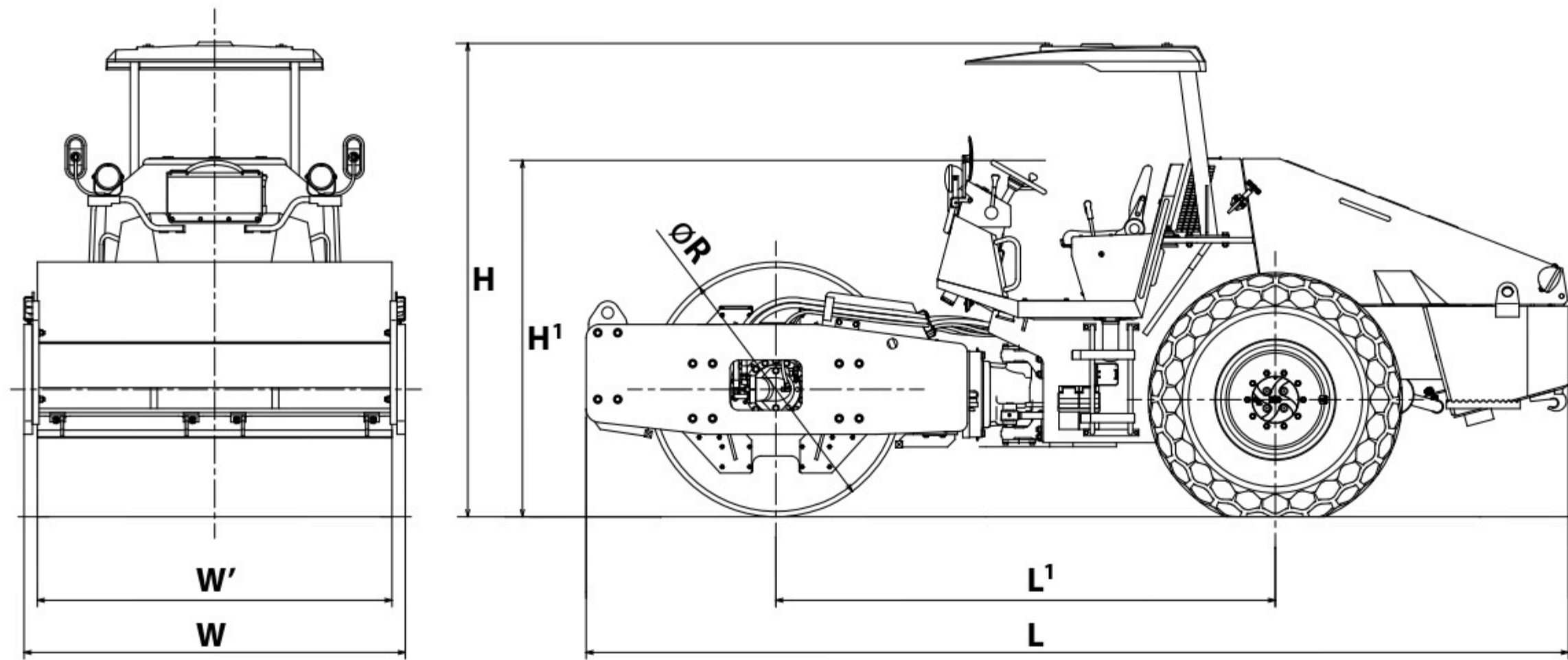
SV700T



SV700TF

The photos may contain optional equipment and/or attachment.

SV700 Series



TYPE			Vibratory Single Drum Roller		
MODEL			SV700D	SV700T	SV700TF
CHASSIS MODEL			VSV19D	VSV19T	
WEIGHTS	Max. operating weight with AWNING	kg (lbs)	15,080 (33,245)		18,080 (39,860)
	Operating weight with AWNING	kg (lbs)	14,950 (32,960)		17,950 (39,570)
	Load on front axle - operating weight with AWNING	kg (lbs)	8,500 (18,740)		11,400 (25,130)
	Load on rear axle - operating weight with AWNING	kg (lbs)	6,450 (14,220)		6,550 (14,440)
PERFORMANCE	Centrifugal force (L / H)	kN (lbs)[kgf]	220 / 275 (49,455 / 61,820) [22,435 / 28,040]		
	Frequency (L / H)	Hz(vpm)	36.7 / 27.5 (2,200 / 1,650)		
	Amplitude (L / H)	mm (in)	0.90 / 2.00 (0.035 / 0.079)		0.60 / 1.30 (0.024 / 0.051)
	Dynamic linear pressure for front drum - operating weight with AWNING (L / H)	N/cm (lbs/in)	1,424 / 1,682 (815 / 960)	–	1,558 / 1,816 (890 / 1,035)
	Number of speed shifts		2		
	Speed range (L / H)	km/h (mph)	0–6 / 0–10 (0–3.7 / 0–6.2)		
	Gradeability	% (°)	62 (32)		45 (24)
	Turning radius compacted surface (inside / outside)	m (in)	3.5 / 5.6 (138 / 221)		
	Overall length L	mm (in)	5,900 (232)	5,905 (232)	5,910 (233)
	Overall width W	mm (in)	2,290 (90)		
DIMENSIONS	Overall height (without AWNING) H¹	mm (in)	2,150 (85)	2,160 (85)	2,175 (86)
	Overall height (with AWNING) H	mm (in)	2,840 (112)	2,860 (113)	2,870 (113)
	Wheelbase L¹	mm (in)	3,000 (118)		
	Compaction width W[′]	mm (in)	2,130 (84)		
	Drum width W[′] / Drum diameter R	mm (in)	2,130 / 1,530 (84 / 60)	2,130 / 1,600 (84 / 63)	2,130 / 1,650 (84 / 65)
	Pad height	mm (in)	–	100 (3.9)	
	Number of pads	pcs.	–	140	
	Shell thickness	mm (in)	32 (1.3)	28 (1.1)	22 (0.9)
	Tire size × Number of tires		23.1-26-12PR(OR)		
	Inflation (each wheels)	kPa (psi)	170 (24.7)		
	Ground clearance	mm (in)	420 (16.5)	430 (16.9)	435 (17.1)
	Curb clearance	mm (in)	495 (19.5)	530 (20.9)	540 (21.3)
	Side clearance	mm (in)	80 (3.1)		
	ENGINE		ISUZU		
	Make		BB-6BG1TRJ (EPA Tier 2 : equivalent)		
	Model		Diesel, water-cooled, 4-cycle, 6-cylinder inline, with turbo charger		
	Type				
	Displacement	L(cu.in)	6.494 (396.3)		
	Rated output	kW (HP)/min ⁻¹	124 (166) / 2,200		
	Electric system battery	V (V / Ah×Qty)	24V (12V / 100Ah × 2)		
	Electric system alternator	V/A	24V / 50A		
DRIVE SYSTEM	Power transmission type		Hydrostatic		
	Drive wheel		All wheel (drum & tires)		
VIBRATION SYSTEM	Power transmission type		Hydraulic		
	Number of amplitude		2		
	Vibrator type		Single 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	± (°)	37 / 6.5		
FLUID CAPACITY	Fuel tank	L (gal)	300 (79.3)		
	Hydraulic oil tank	L (gal)	62 (16.5)		

- 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.



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- Standard Equipment :**
- AWNING ● Instrument panel ● Gauges ● Backup alarm ● Horn
 - Working lights ● Mirrors ● Scrapers for both directions
 - Comfort seat ● 4 points lifting

- Optional Equipment :**
- CABIN ● Air conditioner ● Heater ● Deluxe seat ● Rotary beacon
 - Vandalism protections ● CCV