

SAKAI®

SV700

Series



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.



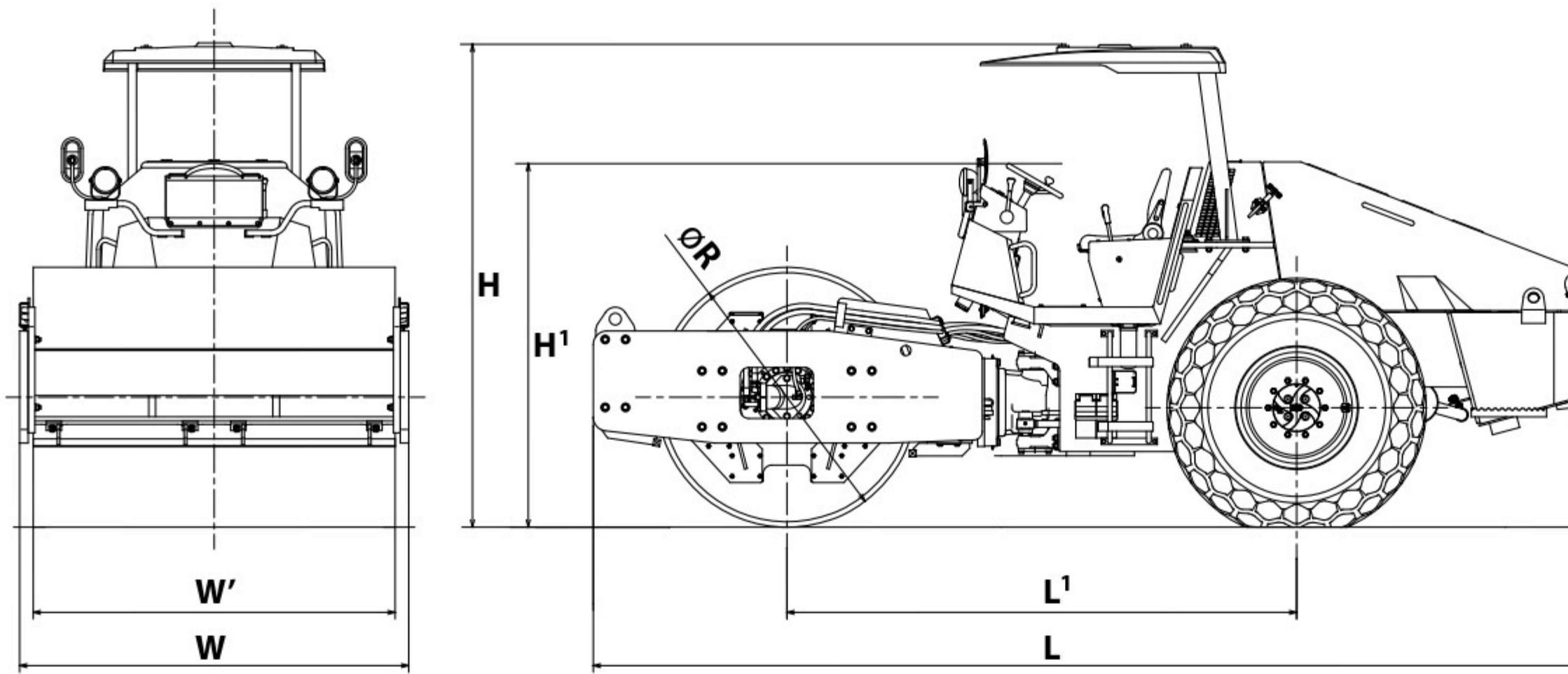
SV700T



SV700TF

The photos may contain optional equipment and/or attachment.

SV700 Series



TYPE		Vibratory Single Drum Roller		
MODEL	CHASSIS MODEL	SV700D VSV19D	SV700T	SV700TF 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)	
DIMENSIONS	Overall length L	mm (in)	5,900 (232)	5,905 (232)
	Overall width W	mm (in)	2,290 (90)	
	Overall height (without AWNING) H¹	mm (in)	2,150 (85)	2,160 (85)
	Overall height (with AWNING) H	mm (in)	2,840 (112)	2,860 (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)
	Pad height	mm (in)	—	100 (3.9)
	Number of pads	pcs.	—	140
	Shell thickness	mm (in)	32 (1.3)	28 (1.1)
	Tire size x 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)
	Curb clearance	mm (in)	495 (19.5)	530 (20.9)
	Side clearance	mm (in)	—	80 (3.1)
ENGINE	Make		ISUZU	
	Model		BB-6BG1TRJ (EPA Tier 2 : equivalent)	
	Type		Diesel, water-cooled, 4-cycle, 6-cylinder inline, with turbo charger	
	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.

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