



SV621D
Smooth Drum

VIBRATORY SINGLE DRUM ROLLER

The SV621 series rollers are 13 ton class soil compactors that share the outstanding features with the SV521 series rollers.

The SV621D is a smooth drum type and the SV621T is equipped with a padfoot drum.

The rollers are widely applicable for compaction works for construction of highways, airports, dam and site preparation for buildings, housing development, etc.



SV621T
Padfoot Drum

Proven Vibratory Compaction Performance

- High amplitude (2.03 mm for D type).
- High centrifugal force (26 tons).
- High density and uniform compaction throughout the layer.

Excellent Traction

- All-wheel (drum & tire) drive system.

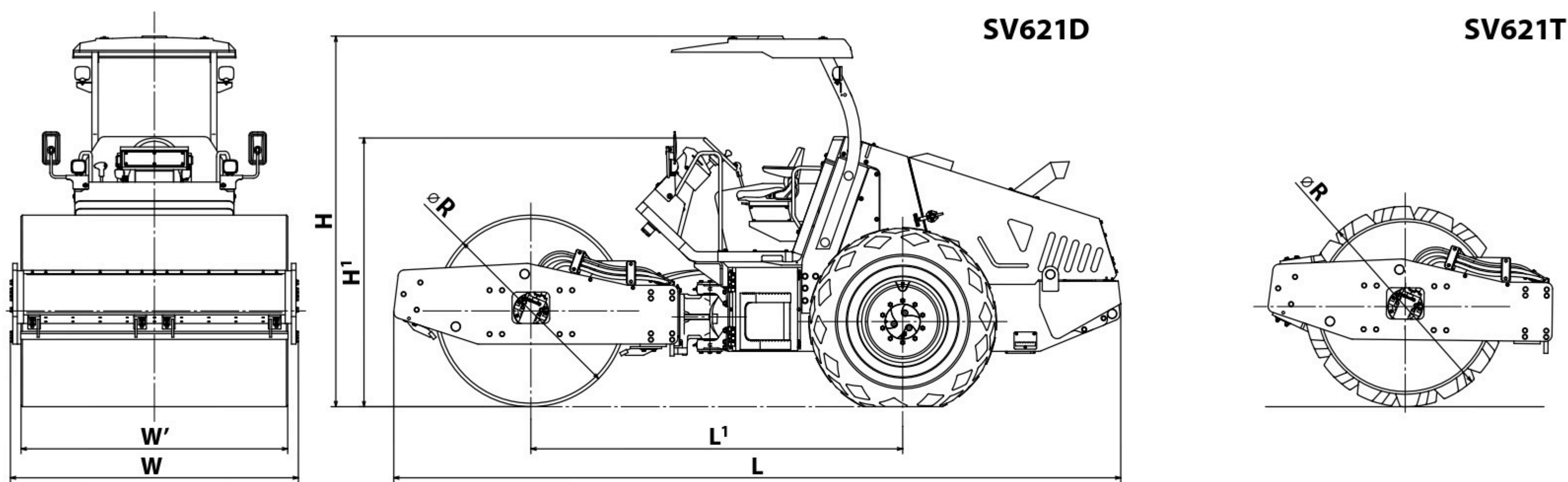
Economical Operation & Low Maintenance Cost

- Fuel Saving Eco Compaction Mode as a standard equipment.
- Durable and quality components for a prolonged service interval and low maintenance costs.

Operator Comfort & Safety

- Sakai's original shock absorbing system for better vibration isolation and longer parts life.
- Increased safety by an emergency pedal brake in addition to the conventional service and parking brakes.
- Complete vandalism protection devices.

SV621 Series



TYPE			Vibratory Single Drum Roller	
MODEL			SV621D	SV621T
DRUM TYPE			Smooth Drum	Padfoot Drum
WEIGHTS	Max. operating weight with AWNING	kg (lbs.)	12,625 (27,835)	12,970 (28,595)
	Operating weight with AWNING	kg (lbs.)	12,535 (27,635)	12,880 (28,400)
	Load on front axle - operating weight with AWNING	kg (lbs.)	7,220 (15,920)	7,610 (16,780)
	Load on rear axle - operating weight with AWNING	kg (lbs.)	5,315 (11,720)	5,270 (11,620)
	Static Linear Pressure(drum) - operating weight with AWNING	kg/cm (lbs./in.)	332 (185)	–
PERFORMANCE	Centrifugal force (L / H)	kN (lbs.) [kgf]	150 (33,720) [15,300] / 255 (57,325) [26,000]	
	Frequency @ low amplitude / high amplitude	Hz (vpm)	33.3 (2,000) / 28.8 (1,730)	
	Amplitude (L / H)	mm (in.)	0.86 (0.034) 2.03 (0.080)	0.80 (0.031) 1.89 (0.074)
	Number of speeds: Speed range (L / H)	km / h (mph)	2 speeds: 0–6 (0–3.7) / 0–10 (0–6.2)	
	Gradeability	% (°)	51% (27°)	50% (26°)
DIMENSIONS	Turning radius at compacted surface (inner / outer)	m (in.)	3.4 (134) / 5.6 (221)	
	Overall length L	mm (in.)	5,810 (229)	
	Overall width W	mm (in.)	2,300 (91)	
	Overall height (without AWNING) H'	mm (in.)	2,160 (85)	2,165 (85)
	Overall height (with AWNING) H	mm (in.)	2,960 (117)	2,975 (117)
	Wheelbase L'	mm (in.)	2,970 (117)	
	Compaction width W'	mm (in.)	2,130 (84)	
	Drum width W' x Drum diameter R	mm (in.)	2,130 x 1,530 (84 x 60)	2,130 x 1,600 (84 x 63)
	Pad height	mm (in.)	–	100 (4)
	Number of pads	pcs.	–	140
	Shell thickness	mm (in.)	25 (1.0)	22 (0.9)
	Tire size x Number of tires		23.1 - 26 - 8PR (OR) x 2	
	Ground clearance	mm (in.)	400 (16)	390 (15)
	Curb clearance	mm (in.)	500 (20)	520 (20)
	Side clearance	mm (in.)	85 (3)	
ENGINE	Make & Model		Isuzu “4BG1T” (EPA-Tier 2: equivalent)	
	Type		Water-cooled, 4-cycle, 4-cylinder, overhead valve, direct injection type diesel engine with turbocharger	
	Displacement	L (cu. in.)	4.329 (264.2)	
	Rated output	kW (Hp)/min ⁻¹	83.3 (112) / 2,100	
	Electric system - battery	V (V / Ah x Qty)	24 V (12 V / 80 Ah, 655 CCA x 2 pcs.)	
DRIVE SYSTEM	Electric system - alternator	V/A	24 V / 50 A	
	Power transmission type		Hydrostatic transmission	
	Drive wheels		Drum and tires	
VIBRATION SYSTEM	Power transmission type		Hydrostatic transmission	
	Number of amplitudes		2	
	Vibrator type		Single eccentric shaft type	
BRAKE SYSTEM	Service brake (primary brake)		Hydrostatic, dynamic brake (FNR lever)	
	Parking brake (secondary brake)		Spring applied, hydraulically released type multi-disc brake (Brake button)	
	Emergency brake		Hydrostatic + Spring applied, hydraulically released type multi-disc brake (Brake pedal)	
STEERING SYSTEM	Type		Hydraulic type (articulated)	
	Articulation / Oscillation angle	± (°)	±37° / ±9°	
FLUID CAPACITY	Fuel tank	L (gal.)	215 (56.8)	
	Hydraulic oil tank	L (gal.)	50 (13.2)	

- Specified figures have a tolerance of ±5%.
 - All specifications may be changed without notice.
 - Specified figures are in SI Units, followed by their equivalent English units of measurement in ().
- Max. operating weight : Fuel=100%, Water=100%, Operator=75 kg
 - Operating weight : Fuel=50%, Water=50%, Operator=75 kg
 - The photos may contain optional equipment and/or attachment.

* Using low quality fuel may cause engine failure.

Standard Equipment:

- Instruments ● Gauges ● ECO MODE ● Scrapers for both directions
- Backup alarm ● Horn ● AWNING ● Comfort seat
- Front-facing working lights (2 pcs.) ● Rear-facing working lights (2 pcs.)
- Mirrors ● 4 points lifting ● Accessory socket (24 V) ● Safety steps
- Vandalism Protection

Optional Equipment:

- Enclosed CABIN ● Enclosed ROPS-Cabin w/seat belt ● ROPS-Canopy w/seat belt
- Air conditioner ● Deluxe seat ● Turn signal lamp ● Combi. lamp
- Rotary beacon ● Pad locks for vandalism protection ● Filter kit for 1000 hrs