



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.

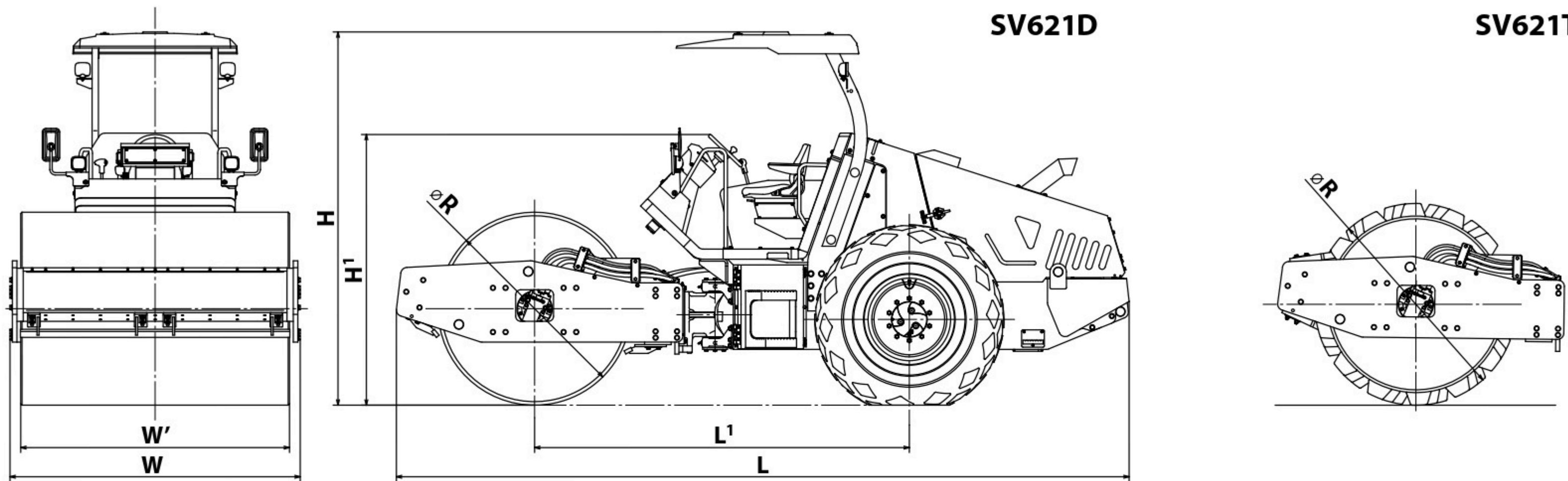
Economical Operation & Low Maintenance Cost

- 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



Vibratory Single Drum Roller		
TYPE	SV621D	SV621T
MODEL		
DRUM TYPE	Smooth Drum	Padfoot Drum
WEIGHTS	Max. operating weight with AWNING kg (lbs.) 12,625 (27,835) Operating weight with AWNING kg (lbs.) 12,535 (27,635) Load on front axle - operating weight with AWNING kg (lbs.) 7,220 (15,920) Load on rear axle - operating weight with AWNING kg (lbs.) 5,315 (11,720) Static Linear Pressure(drum) - operating weight with AWNING kg/cm (lbs./in.) 332 (185)	12,970 (28,595) 12,880 (28,400) 7,610 (16,780) 5,270 (11,620) -
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) 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°) Turning radius at compacted surface (inner / outer) m (in.) 3.4 (134) / 5.6 (221)	0.80 (0.031) 1.89 (0.074) 50% (26°)
DIMENSIONS	Overall length L mm (in.) 5,810 (229) Overall width W mm (in.) 2,300 (91) Overall height (without AWNING) H1 mm (in.) 2,160 (85) Overall height (with AWNING) H mm (in.) 2,960 (117) Wheelbase L1 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) 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)	2,165 (85) 2,975 (117) 2,130 x 1,600 (84 x 63)
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.) Electric system - alternator V/A 24 V / 50 A	
DRIVE SYSTEM	Power transmission type Hydrostatic transmission Drive wheels Drum and tires	Hydrostatic transmission
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