

# SV526 Series



**SV526D**  
Smooth Drum

## VIBRATORY SINGLE DRUM ROLLER

The SV526 series rollers are the seventh (7th) generation of SAKAI's reputable 10-ton class vibratory single drum rollers and are further refined for better use. They are widely applicable to medium and heavy soil compaction works and the most suitable drum type can be selected from four (4) drum variations.

### Proven Vibratory Compaction Performance

- High amplitude (2.05 mm for SV526D)
- High centrifugal force (26 tons)
- High density and uniform compaction throughout the layer

### Excellent Traction

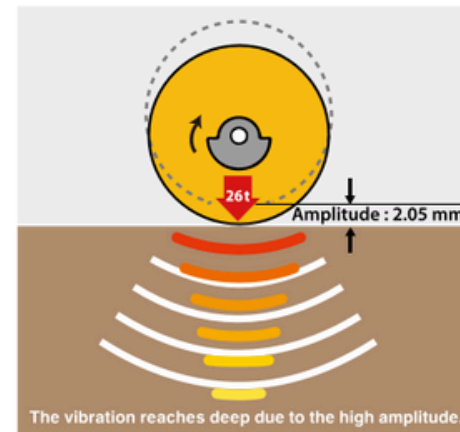
- All-wheel (drum and tires) drive system for all SV526 models (standard equipment)

### Economical Operation & Low Maintenance Costs

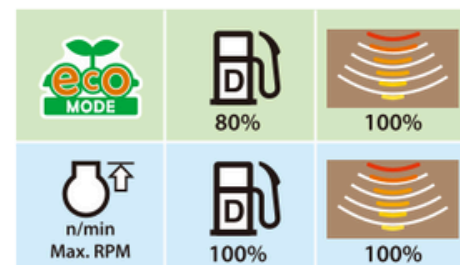
- Fuel saving ECO Compaction Mode as a standard equipment
- Durable and high quality components for prolonged service intervals as well as low maintenance costs

### 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 protections devices



Powerfull Vibration & High Amplitude

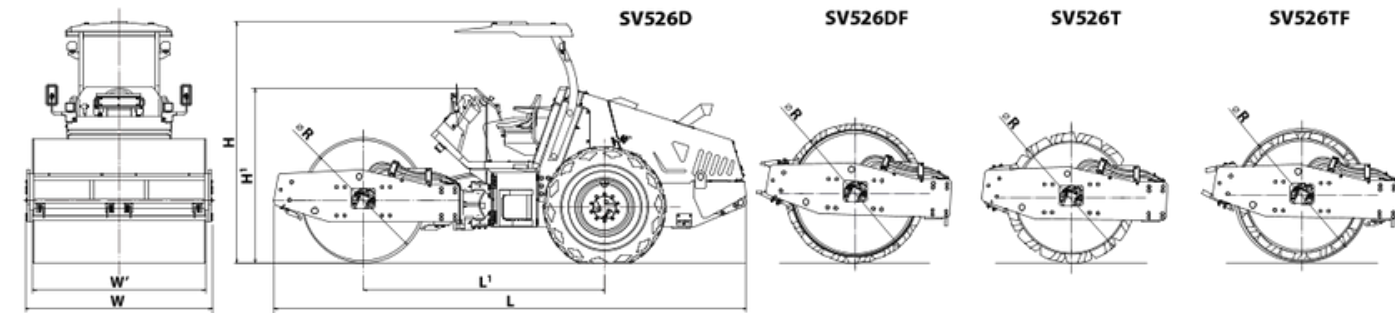


ECO Compaction Mode

The photos may contain optional equipment and/or attachment.

Soil Compactor

## SV526 Series



TYPE			Vibratory Single Drum Roller			
MODEL			SV526D	SV526DF *1	SV526T	SV526TF*2
DRUM TYPE			Smooth Drum	Combi. Drum	Padfoot Drum	Combi. Drum
WEIGHTS	Max. operating weight with AWNING	kg (lbs.)	10,325 (22,765)	11,965 (26,380)	10,665 (23,515)	12,935 (28,520)
	Operating weight with AWNING	kg (lbs.)	10,235 (22,565)	11,875 (26,180)	10,575 (23,315)	12,845 (28,320)
	Load on front axle - operating weight with AWNING	kg (lbs.)	5,800 (12,790)	7,505 (16,550)	6,180 (13,625)	8,440 (18,610)
	Load on rear axle - operating weight with AWNING	kg (lbs.)	4,435 (9,780)	4,370 (9,635)	4,395 (9,690)	4,405 (9,715)
	Static Linear Pressure(drum) - operating weight with AWNING	kg/cm (lbs./in.)	27.2 (150)	—	—	39.6 (220)
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)	0.87 (0.034) 2.05 (0.081)	0.62 (0.024) 1.47 (0.058)	0.81 (0.032) 1.90 (0.075)	0.53 (0.021) 1.25 (0.049)
	Number of speeds: Speed range (L / H)	km / h (mph)	2 speeds: 0-6 (0-3.7) / 0-10 (0-6.2)			
	Gradeability	% (°)	63% (32°)	56% (29°)	63% (32°)	49% (26°)
DIMENSIONS	Turning radius at compacted surface (inner / outer)	m (in)	3.4 (134) / 5.6 (221)			
	Overall length <b>L</b>	mm (in)	5,810 (229)			
	Overall width <b>W</b>	mm (in)	2,300 (91)			
	Overall height (without AWNING) <b>H</b> <sup>1</sup>	mm (in)	2,160 (85)	2,195 (86)	2,165 (85)	2,180 (86)
	Overall height (with AWNING) <b>H</b>	mm (in)	2,960 (117)	2,995 (118)	2,975 (117)	2,985 (118)
	Wheelbase <b>L</b> <sup>1</sup>	mm (in)	2,970 (117)			
	Compaction width <b>W</b> <sup>1</sup>	mm (in)	2,130 (84)			
	Drum width <b>W</b> <sup>1</sup> x Drum diameter <b>R</b>	mm (in)	2,130 x 1,530 (84 x 60)	2,130 x 1,708 (84 x 67)	2,130 x 1,600 (84 x 63)	2,130 x 1,650 (84 x 65)
	Pad height	mm (in)	—	75 (3)	100 (4)	
	Number of pads	pcs.	—	160	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)	370 (15)	390 (15)	380 (15)
	Curb clearance	mm (in)	500 (20)	555 (22)	520 (20)	535 (21)
	ENGINE	Side clearance	mm (in)	85 (3)		
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 <sup>-1</sup>	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			
VIBRATION SYSTEM	Drive wheels		Drum and tires			
	Power transmission type		Hydrostatic transmission			
	Number of amplitudes		2			
BRAKE SYSTEM	Vibrator type		Single eccentric shaft type			
	Service brake (primary brake)		Hydrostatic, dynamic brake (FNR lever)			
	Parking brake (secondary brake)		Spring applied, hydraulically released type multi-disc brake (Brake lever)			
	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)			

\*1) Refer the specifications of D for DF without padfoot shells.

\*2) Refer the specifications of T for TF without smooth shells.

• 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
- 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



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# Reasons for being **No.1**

## Durable Instrument Panel & Brake Pedal



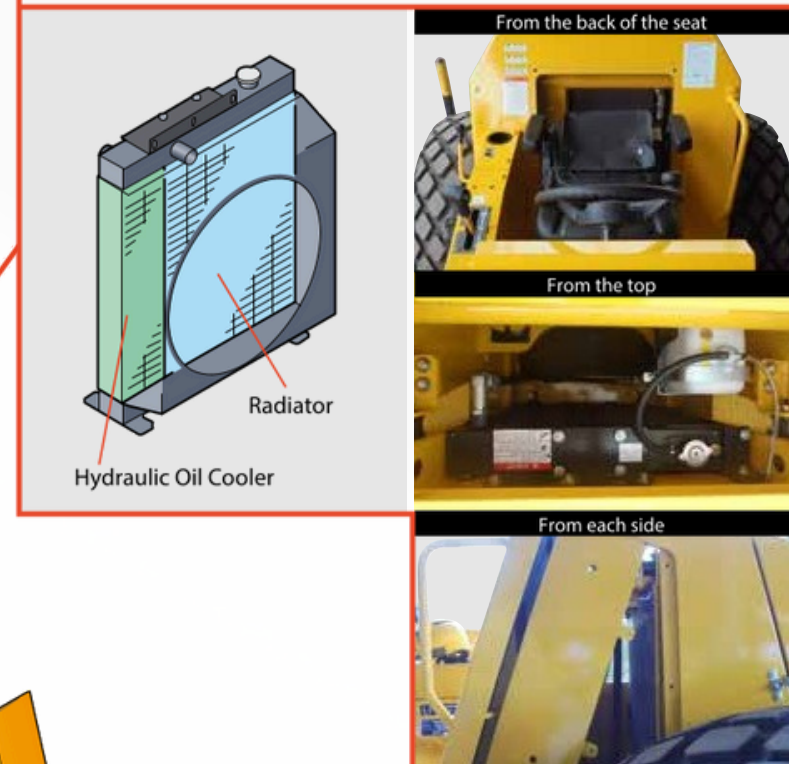
## Standard : AWNING Option : ROPS-Canopy, Enclosed Cabin Enclosed ROPS-Cabin



## Reinforced AWNING : • Stays : Bending structure • Roof : Rubber mounted



## Side by Side Mounted Radiator & Hydraulic Oil Cooler, Access doors for cleaning and service



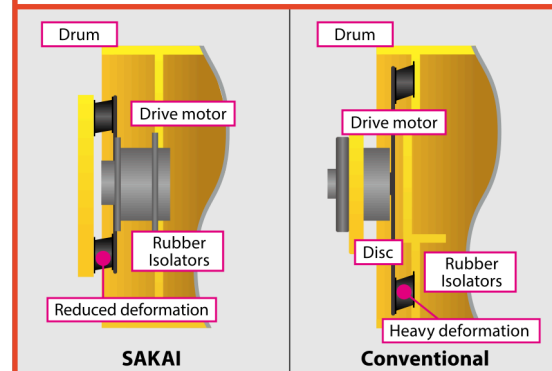
## Powerful Compaction Force & High Amplitude

For SV526D

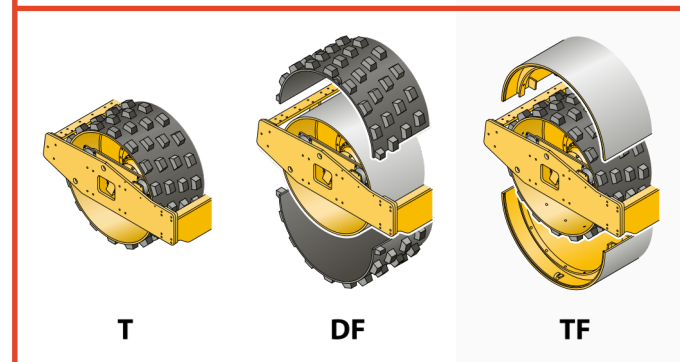
- Total applied force : **31.8 tons**
- Centrifugal force : **26 tons**
- High amplitude : **2.05 mm**

\*ECO Compaction Mode is standard.

## Unique Shock Absorbing Design for better isolation and prolonged parts life (4-5 times longer)



## Drum Variations in addition to D type



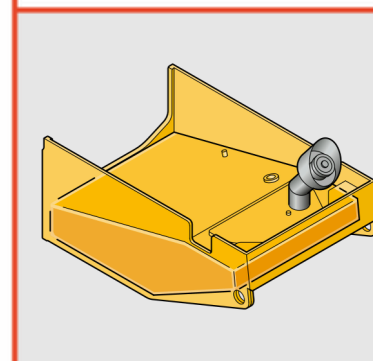
## Durable Center-pin Hitch Lube. cycle : 250 hrs



## Tool Box in each side



## Solid Fuel Tank



## Large Size Sedimenter • Water Deposit Capacity : 118 ml

