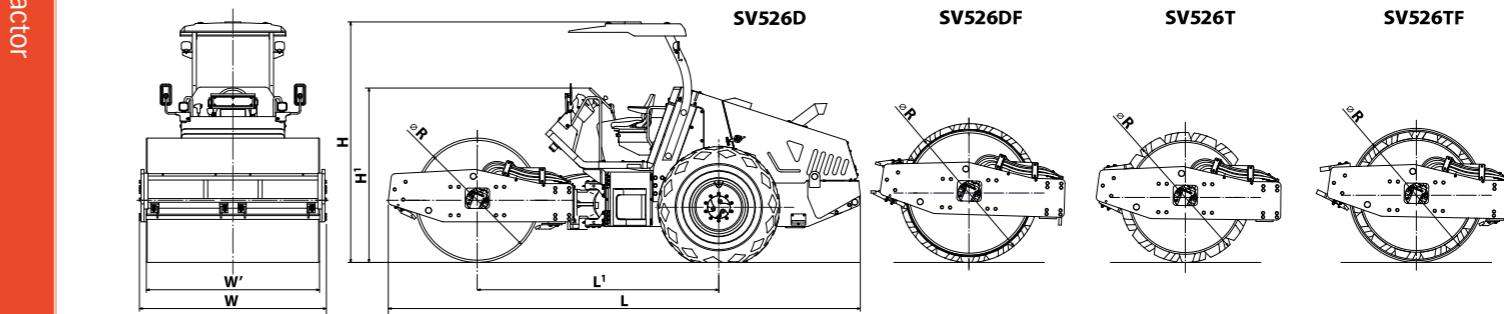


# SV526 Series



## SV526 Series

Soil Compactor

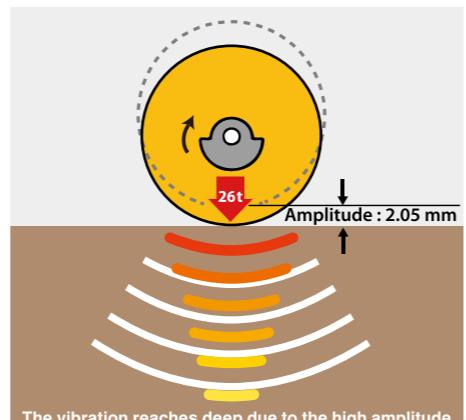


### VIBRATORY SINGLE DRUM ROLLER

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



Powerfull Vibration & High Amplitude

#### Excellent Traction

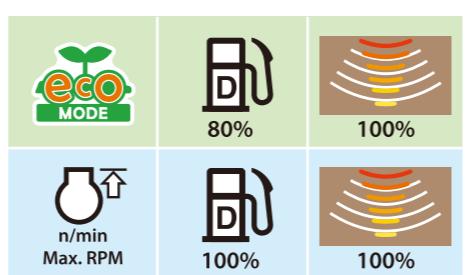
- All-wheel (drum and tires) drive system for all SV526 models (standard equipment)

#### 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 protection devices



ECO Compaction Mode

The photos may contain optional equipment and/or attachment.

Vibratory Single Drum Roller				
TYPE	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)
	Operating weight with AWNING kg (lbs.)	10,235 (22,565)	11,875 (26,180)	10,575 (23,315)
	Load on front axle - operating weight with AWNING kg (lbs.)	5,800 (12,790)	7,505 (16,550)	6,180 (13,625)
	Load on rear axle - operating weight with AWNING kg (lbs.)	4,435 (9,780)	4,370 (9,635)	4,395 (9,690)
	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)
	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°)
	Turning radius at compacted surface (inner / outer) m (in)		3.4 (134) / 5.6 (221)	49% (26°)
DIMENSIONS	Overall length L mm (in)	5,810 (229)		
	Overall width W mm (in)	2,300 (91)		
	Overall height (without AWNING) H <sup>1</sup> mm (in)	2,160 (85)	2,195 (86)	2,165 (85)
	Overall height (with AWNING) H mm (in)	2,960 (117)	2,995 (118)	2,975 (117)
	Wheelbase L <sup>1</sup> mm (in)		2,970 (117)	2,985 (118)
	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 1,708 (84 x 67)	2,130 x 1,600 (84 x 63)
	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)
	Curb clearance mm (in)	500 (20)	555 (22)	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 <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.)		
	Electric system - alternator V/A	24 V / 50 A		
DRIVE SYSTEM	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)		

\*1) Refer the specifications of D or 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

# Reasons for being No.1

