





VIBRATORY SINGLE DRUM ROLLER

The SV521-c series rollers are the 7th generation of SAKAI's reputable 10-ton class vibratory single 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 SV521D-c)
- High centrifugal force (26 tons)
- High density and uniform compaction throughout the layer
- Enough operating power in high altitude area (CUMMINS Engine/125HP)

Excellent Traction

SERVICE HOTLINE

• All-wheel (drum and tires) drive system for all SV521-c 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

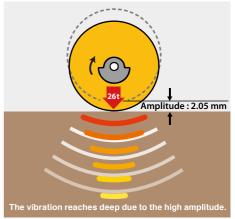
Operator Comfort & Safety

- 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

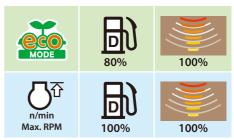
If you need any technical or service parts support on our products, please contact this web page.



SV521D-c **Smooth Drum**

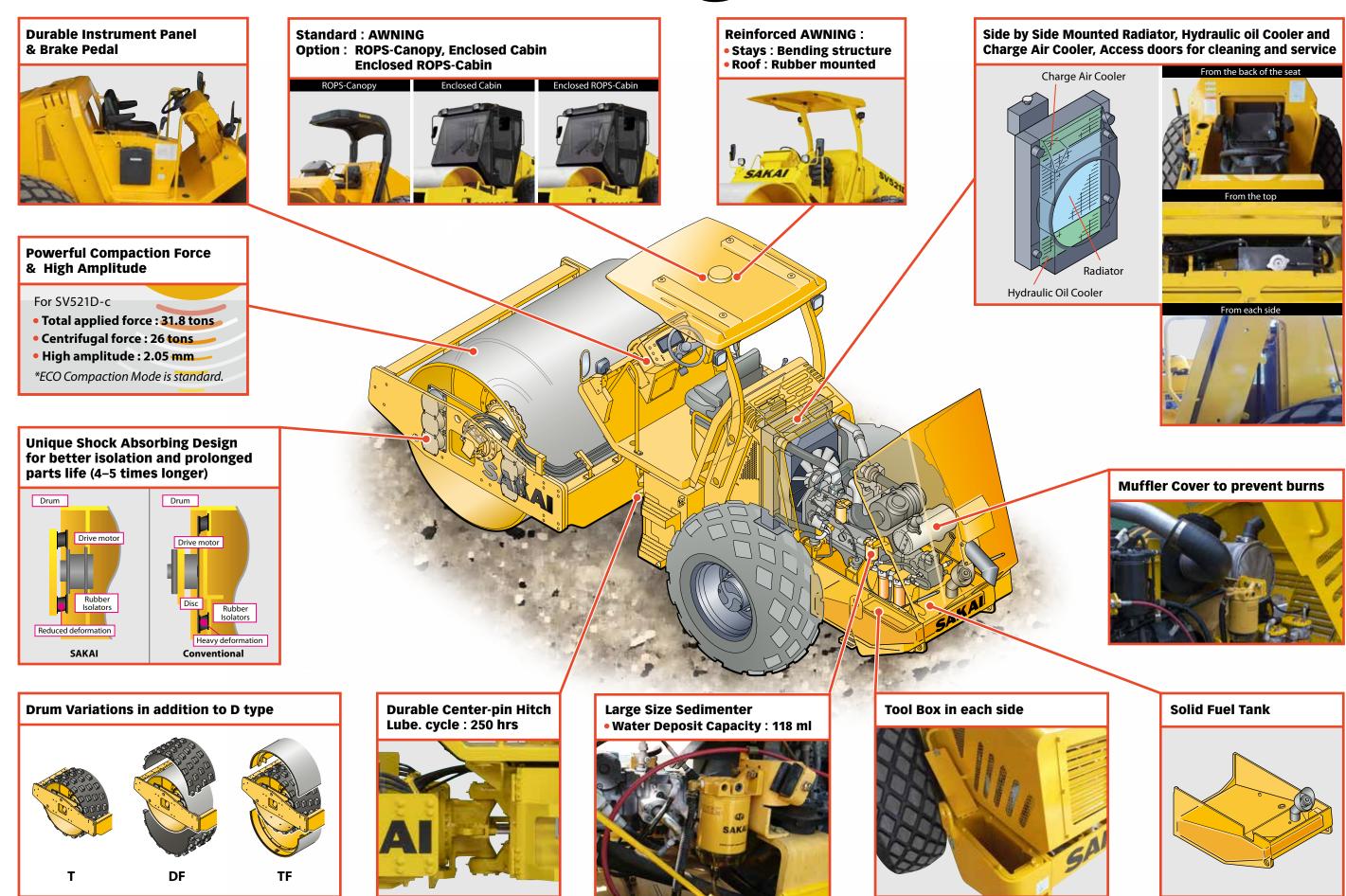


Powerful Vibration & High Amplitude



ECO Compaction Mode

Reasons for being NO.1

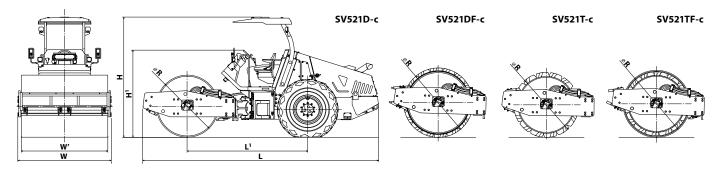








SV521-C Series



ТҮРЕ	?E			Vibratory Single Drum Roller			
MODEL			SV521D-c	SV521DF-c *1	SV521T-c	SV521TF-c *2	
DRUM TYPE			Smooth Drum	Combi. Drum	Padfoot Drum	Combi. Drum	
WEIGHTS	Max. operating weight with AWNING	kg (lbs.)	10,290 (22,685)	11,930 (26,300)	10,630 (23,435)	12,900 (28,440)	
	Operating weight with AWNING	kg (lbs.)	10,200 (22,485)	11,840 (26,100)	10,540 (23,235)	12,810 (28,240)	
	Load on front axle - operating weight with AWNING	kg (lbs.)	5,775 (12,730)	7,480 (16,490)	6,155 (13,570)	8,415 (18,550)	
	Load on rear axle - operating weight with AWNING	kg (lbs.)	4,425 (9,755)	4,360 (9,610)	4,385 (9,665)	4,395 (9,690)	
	Static Linear Pressure(drum) - operating weight with AWNING	kg/cm (lbs./in.)	27.1 (150)	-	-	39.5 (220)	
PERFORMANCE	Centrifugal force (L / H)	kN(lbs.)[kgf]	150 (33,720) [15,295] / 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°)	
	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 ¹	mm (in)	2,160 (85)	2,195 (86)	2,165 (85)	2,180 (86)	
	Overall height (with AWNING) H	mm (in)	2,960 (117)	2,995 (118)	2,975 (117)	2,985 (118)	
	Wheelbase L ¹	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 1,708 (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	1,	40	
	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 (15.7)	370 (14.6)	390 (15.4)	380 (15)	
	Curb clearance	mm (in)	500 (19.7)	555 (21.9)	520 (20.5)	535 (21.1)	
	Side clearance	mm (in)	85 (3.3)				
ENGINE	Make & Model		CUMMINS "B3.9" (EPA-Tier 2, EU Stage-II: equivalent)				
	Туре		Water-cooled, 4-cycle, 4-cylinder, overhead valve, direct injection type diesel engine with turbocharg				
	Displacement	L(cu. in.)	3.900 (238.0)				
	Rated output	kW (HP)/min ⁻¹	93.0 (125) / 2,200				
	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 / 70 A				
DRIVE SYSTEM	Power transmission type		Hydrostatic transmission				
	Drive wheels		Drum and tires				
	Power transmission type		Hydrostatic transmission				
SYSTEM	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 (Panel button)				
	Emergency brake		Hydrostatic + Spring applied, hydraulically released type multi-disc brake (Brake pedal)				
STEERING SYSTEM	3,		Hydraulic type (articulated)				
	Articulation / Oscillation angle	± (°)	±37°/±9°				
FLUID CAPACITY		L (gal.)	215 (56.8)				
	Hydraulic oil tank	L (gal.)	50 (13.2)				
	the specifications of D for DF without padfoot shells. the specifications of T for TF without padfoot shells.	 Specified f All specific 	igures have a tolerance of ±59 ations may be changed witho igures are in SI Units followed	%. • Max. • out notice. • Opera	pperating weight : Fuel=100%, ating weight : Fuel=50%, Wate hotos may contain optional ec	r=50%, Operator=75 kg	

 Specified figures are in SI Units followed by thei equivalent English Units of measurement in ().

* Using low quality fuel may cause engine failure.

Standard Equipment :

• Instruments • Gauges • ECO MODE • Scrapers for both directions

Backup alarm

• 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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