

**SAKAI®**

# SV530

Series



**SV530D**

## VIBRATORY SINGLE DRUM ROLLER

The innovatively designed SV530 is applicable to medium to large soil compaction jobs. The SV530 includes new roller features and optimizes job profitability through efficiency.

### Proven Compactive Performance

- Roller compactive force reaches target density in less number of roller passes.
- Provides higher centrifugal force and amplitude.
- Achieves uniform compaction throughout lift thickness.

### Low Operating Costs

- Sakai's new *Eco compaction mode (ECM)*, which reduces fuel consumption up to 20%, while maintaining compactive performance.
- Quality and durable components such as hydraulics, drum, center-pin hitch provide less maintenance.

### Operator Comfort and Safety

- Includes Sakai's durable dual rubber isolation system between the drum and operator deck.



**SV530T**



**SV530DF**



**SV530TF**

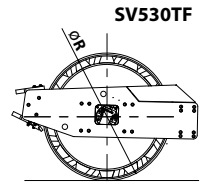
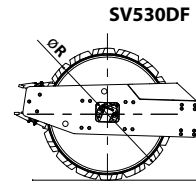
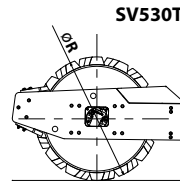
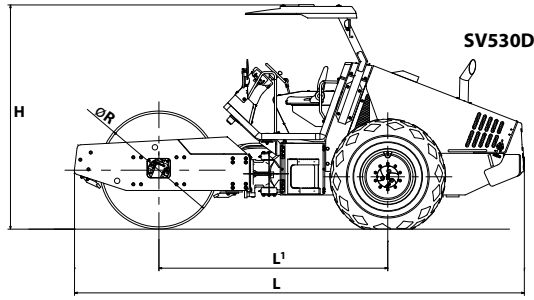
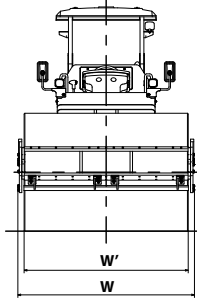


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The photos may contain optional equipment and/or attachment.

# SV530 Series



TYPE			Vibratory Single Drum Roller				
MODEL			SV530D	SV530T	SV530DF	SV530TF	
CHASSIS MODEL			2SV36				
<b>WEIGHTS</b>	Max. operating weight with AWNING	kg (lbs)	10,510 (23,170)	10,850 (23,920)	12,150 (26,785)	13,120 (28,925)	
	Operating weight with AWNING	kg (lbs)	10,420 (22,970)	10,760 (23,720)	12,060 (26,585)	13,030 (28,725)	
	Load on front axle - operating weight with AWNING	kg (lbs)	5,420 (11,950)	5,800 (12,785)	7,130 (15,720)	8,070 (17,790)	
	Load on rear axle - operating weight with AWNING	kg (lbs)	5,000 (11,025)	4,960 (10,935)	4,930 (10,870)	4,960 (10,935)	
<b>PERFORMANCE</b>	Centrifugal force (L / H)	kN (lbs)/kgf	172 / 255 (38,665 / 57,325) [17,540 / 26,000]				
	Frequency (L / H)	Hz(vrpm)	33.3 / 28.3 (2,000 / 1,700)				
	Amplitude (L / H)	mm (in)	1.02 / 2.09 (0.040 / 0.082)	0.95 / 1.94 (0.037 / 0.076)	0.73 / 1.50 (0.029 / 0.059)	0.62 / 1.27 (0.024 / 0.050)	
	Dynamic linear pressure for front drum - operating weight with AWNING (L / H)	N/cm (lbs/in)	1,057 / 1,446 (605 / 825)	-	-	1,179 / 1,569 (675 / 895)	
Number of speed shifts			2				
Speed range (L / H)			0-6 / 0-10 (0-3.7 / 0-6.2)				
Gradeability			62 (31)		53 (27)		
Turning radius compacted surface (inside / outside)			3.5 / 5.6 (138 / 221)				
<b>DIMENSIONS</b>	Overall length <b>L</b>	mm (in)	5,840 (230)				
	Overall width <b>W</b>	mm (in)	2,295 (90)				
	Overall height (without AWNING)	mm (in)	2,200 (87)	2,185 (86)	2,195 (86)	2,180 (86)	
	Overall height (with AWNING) <b>H</b>	mm (in)	2,910 (115)	2,925 (115)	2,945 (116)	2,935 (116)	
	Wheelbase <b>L'</b>	mm (in)	2,970 (117)				
	Compaction width <b>W'</b>	mm (in)	2,130 (84)				
	Drum width <b>W'</b> / Drum diameter <b>R</b>	mm (in)	2,130 / 1,530 (84 / 60)	2,130 / 1,600 (84 / 63)	2,130 / 1,708 (84 / 67)	2,130 / 1,650 (84 / 65)	
	Pad height	mm (in)	-	100 (4)	75 (3)	100 (4)	
	Number of pads	pcs.	-	140	160	140	
	Shell thickness	mm (in)	25 (1.0)	22 (0.9)	25 (1.0)	22 (0.9)	
Tire size x Number of tires			23.1-26-8PR(OR)				
Inflation (each wheels)			137 (19.9)				
Ground clearance			405 (16)		390 (15)		
Curb clearance			500 (20)	520 (20)	555 (22)	535 (21)	
Side clearance			82.5 (3)				
<b>ENGINE</b>	Make			CUMMINS			
	Model			QSB4.5 (EPA Tier3, Stage-IIIa : equivalent)			
	Type			Diesel, water-cooled, 4-cycle, 4-cylinder inline, with turbo charger			
	Displacement			L(cu.in) 4.500 (274.6)			
	Rated output			kW (HP)/min <sup>-1</sup> 110.0 (148) / 2,300			
	Electric system battery			V(V/Ah x Qty) 24V (12V / 80Ah, CCA655 x 2)			
	Electric system alternator			V/A 24V / 70A			
	<b>DRIVE SYSTEM</b>	Power transmission type			Hydrostatic		
Drive wheel			All wheel (drum & tires)				
<b>VIBRATION SYSTEM</b>	Power transmission type			Hydraulic			
	Number of amplitude			2			
<b>BRAKE SYSTEM</b>	Vibrator type			Single eccentric shaft			
	Service brake			Dynamic braking through hydrostatic drive system / FNR lever			
	Secondary brake (Emergency brake)			Hydrostatic + Spring applied hydraulically released type (SAHR) / Brake pedal			
Parking brake			SAHR / Panel button				
<b>STEERING SYSTEM</b>	Power transmission type			Hydraulic			
	Articulation / Oscillation angle			± (°) 37 / 9			
<b>FLUID CAPACITY</b>	Fuel tank			L (gal) 210 (55.5)			
	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 in English units of measurement in parentheses.

- Max. operating weight : Fuel=100%, Water=100%, Operator=75kg
- Operating weight : Fuel=50%, water=50%, operator=75kg
- The photos may contain optional equipment and/or attachment.

\* Using low quality fuel may cause engine failure.



SAKAI HEAVY INDUSTRIES, LTD. obtain the certification of quality management system ISO9001.



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