

# SAKAI®

# SV630·530

## Series



**SV630D  
SV530D**

## VIBRATORY SINGLE DRUM ROLLER

The innovatively designed SV630, 530 is applicable to medium to large soil compaction jobs. The SV630, 530 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.



**SV630T  
SV530T**



**SV530DF**



**SV530TF**

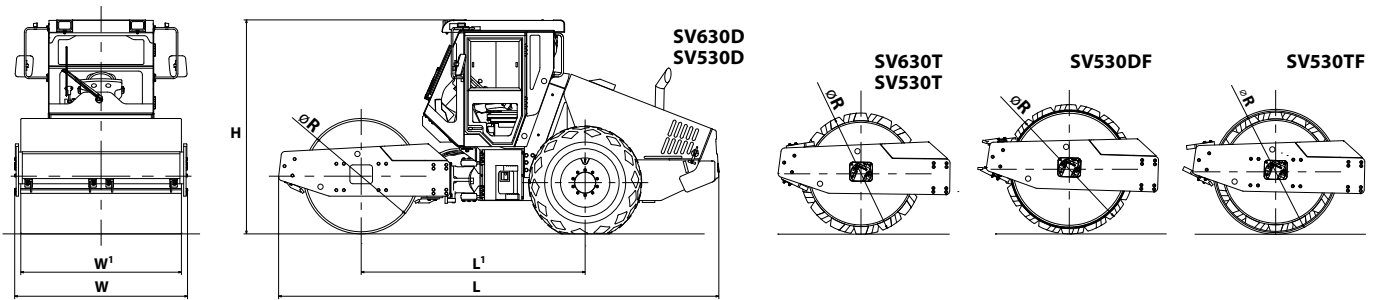
The photos may contain optional equipment and/or attachment.

**SERVICE  
HOTLINE**

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

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# SV630·530 Series



TYPE			Vibratory Single Drum Roller						
MODEL			SV630D	SV630T	SV530D	SV530T	SV530DF	SV530TF	
CHASSIS MODEL			2SV51			2SV36			
<b>WEIGHTS</b>	Max. operating weight with ROPS-Cab	kg (lbs)	13,090 (28,860)	13,430 (29,610)	11,160 (24,605)	11,510 (25,375)	12,800 (28,220)	13,770 (30,355)	
	Operating weight with ROPS-Cab	kg (lbs)	13,000 (28,660)	13,350 (29,430)	11,070 (24,405)	11,420 (25,175)	12,710 (28,020)	13,680 (30,160)	
	Load on front axle - operating weight with ROPS-Cab	kg (lbs)	7,560 (16,665)	7,950 (17,525)	5,640 (12,435)	6,030 (13,295)	7,350 (16,205)	8,300 (18,300)	
	Load on rear axle - operating weight with ROPS-Cab	kg (lbs)	5,440 (11,995)	5,400 (11,905)	5,430 (11,970)	5,390 (11,880)	5,360 (11,815)	5,380 (11,860)	
<b>PERFORMANCE</b>	Centrifugal force (L / H)	kN (lbs)[kgf]	172 / 255 (38,665 / 57,325) [17,540 / 26,000]						
	Frequency (L / H)	Hz(vpm)	33.3 / 28.3 (2,000 / 1,700)						
	Amplitude (L / H)	mm (in)	1.02 / 2.08 (0.040 / 0.082)	0.94 / 1.92 (0.037 / 0.076)	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 ROPS-Cab (L / H)	N/cm (lbs/in)	1,156 / 1,545 (660 / 880)	-	1,067 / 1,457 (610 / 830)	-	-	1,189 / 1,579 (680 / 900)	
	Number of speed shifts		2						
	Speed range (L / H)	km/h (mph)	0 - 6 / 0 - 10 (0 - 3.7 / 0 - 6.2)						
	Gradeability	% (°)	52 (27)	49 (26)	63 (32)	61 (31)	51 (27)	47 (25)	
	Turning radius compacted surface (inside / outside)	m (in)	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 ROPS-Cab)		mm (in)	2,200 (87)	2,185 (86)	2,200 (87)	2,185 (86)	2,195 (86)	2,180 (86)	
Overall height (with ROPS-Cab) <b>H</b>		mm (in)	2,840 (112)	2,855 (112)	2,840 (112)	2,855 (112)	2,885 (114)	2,870 (113)	
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 / 1,530 (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)	-	100 (4)	75 (3)	100 (4)	
Number of pads		pcs.	-	140	-	140	160	140	
Shell thickness		mm (in)	25 (1.0)	22 (0.9)	25 (1.0)	22 (0.9)	25 (1.0)	22 (0.9)	
Tire size × Number of tires			23.1-26-8PR(OR)						
Inflation (each wheels)		kPa (psi)	137 (19.9)						
<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						
<b>DRIVE SYSTEM</b>	Electric system battery	V(V/Ah×Qty)	24V (12V / 80Ah, CCA655 x 2)						
	Electric system alternator	V/A	24V / 70A						
	Power transmission type		Hydrostatic						
	Drive wheel		All wheel (drum & tires)						
	<b>VIBRATION SYSTEM</b>	Power transmission type		Hydraulic					
Number of amplitude			2						
Vibrator type			Single eccentric shaft						
<b>BRAKE SYSTEM</b>	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.

ISO 9001  
BUREAU VERITAS  
Certification

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

**SAKAI HEAVY INDUSTRIES, LTD.**

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