



SV620T

VIBRATORY SINGLE DRUM ROLLER

The innovatively designed SV620 is applicable to medium to large soil compaction jobs. The SV620 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

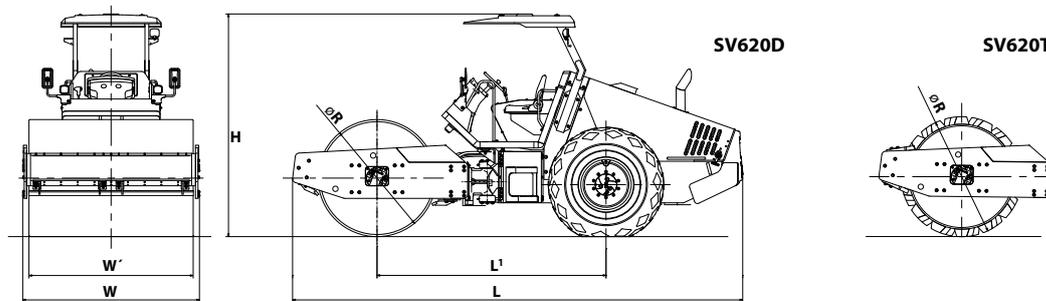
- Includes Sakai's durable dual rubber isolation system between the drum and operator deck.
- Extremely quiet operator station with noise levels as low as 87 dB(A).



SV620D

The photos may contain optional equipment and/or attachment.

SV620 Series



TYPE	Vibratory Single Drum Roller				
	SV620D	SV620T			
MODEL	2SV48				
CHASSIS MODEL	2SV48				
WEIGHTS	Max. operating weight with AWNING	kg (lbs)	12,890 (28,420)	13,230 (29,170)	
	Operating weight with AWNING	kg (lbs)	12,800 (28,220)	13,140 (28,970)	
	Load on front axle - operating weight with AWNING	kg (lbs)	7,110 (15,675)	7,490 (16,515)	
	Load on rear axle - operating weight with AWNING	kg (lbs)	5,690 (12,545)	5,650 (12,460)	
PERFORMANCE	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 / 2.09 (0.040 / 0.082)	0.94 / 1.92 (0.037 / 0.076)	
	Dynamic linear pressure for front drum - operating weight with AWNING (L / H)	N/cm (lbs/in)	1,135 / 1,524 (645 / 870)	-	
	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)	
	Turning radius compacted surface (inside / outside)	m (in)	3.5 / 5.6 (138 / 221)		
	DIMENSIONS	Overall length L	mm (in)	5,840 (230)	
		Overall width W	mm (in)	2,295 (90)	
Overall height (without AWNING)		mm (in)	2,190 (86)	2,175 (86)	
Overall height (with AWNING) H		mm (in)	2,910 (115)	2,925 (115)	
Wheelbase L'		mm (in)	2,970 (117)		
Compaction width W'		mm (in)	2,130 (84)		
Drum width W' / Drum diameter R		mm (in)	2,130 / 1,530 (84 / 60)	2,130 / 1,600 (84 / 63)	
Pad height		mm (in)	-	100 (4)	
Number of pads		pcs.	-	140	
Shell thickness		mm (in)	25 (1.0)	22 (0.9)	
Tire size × Number of tires			23.1-26-8PR (OR)		
Inflation (each wheels)		kPa (psi)	137 (19.9)		
Ground clearance		mm (in)	405 (16)		
Curb clearance		mm (in)	500 (20)	520 (20)	
Side clearance	mm (in)	82.5 (3)			
ENGINE	Make		ISUZU		
	Model		4BG1T (EPA Tier2 : equivalent)		
	Type		Diesel, water-cooled, 4-cycle, 4-cylinder inline, with turbo charger		
	Displacement	L(cu.in)	4.329 (264.2)		
	Rated output	kW (HP)/min ⁻¹	83.3 (112) / 2,100		
	Electric system battery	V (V/Ah× Qty)	24V (12V / 100 × 2)		
	Electric system alternator	V/A	24V / 50A		
	DRIVE SYSTEM	Power transmission type		Hydrostatic	
Drive wheel			All wheel (drum & tires)		
VIBRATION SYSTEM	Power transmission type		Hydraulic		
	Number of amplitude		2		
BRAKE SYSTEM	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		
STEERING SYSTEM	Parking brake		SAHR / Panel button		
	Power transmission type		Hydraulic		
FLUID CAPACITY	Articulation / Oscillation angle	± (°)	37 / 9		
	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=75 kg

● Operating weight : Fuel=50%, water=50%, operator=75 kg

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* Using low quality fuel may cause engine failure.

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