



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

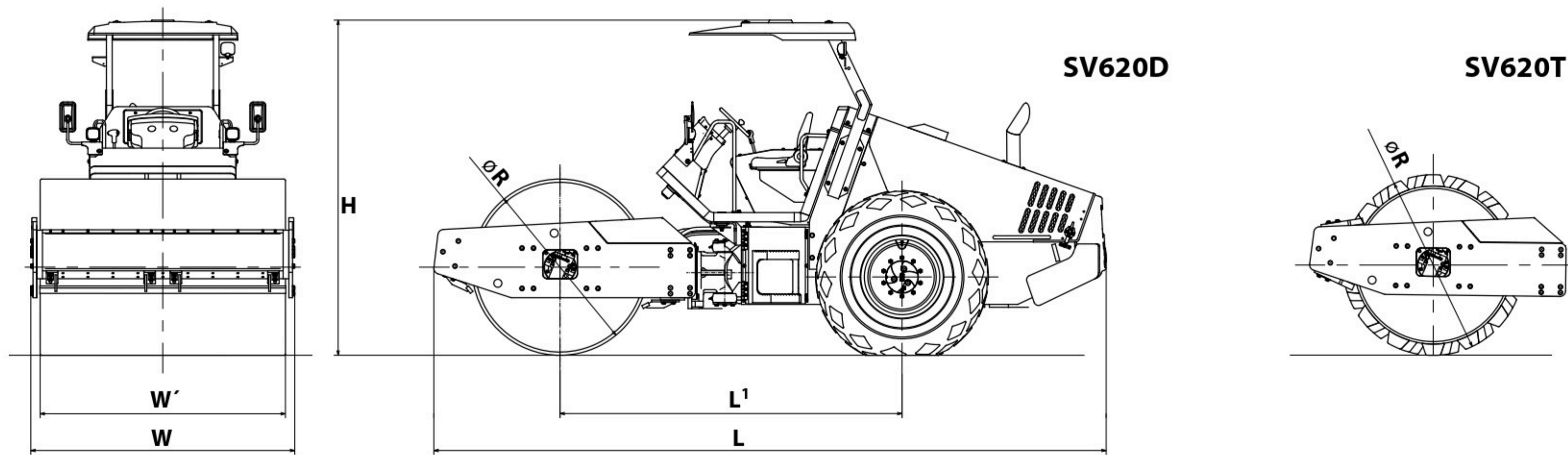
- Includes Sakai's durable dual rubber isolation system between the drum and operator deck.
- Extremely quiet operator station with noise levels as low as 87 dB(A).



SV620D

The photos may contain optional equipment and/or attachment.

SV620 Series



TYPE			Vibratory Single Drum Roller	
MODEL			SV620D	SV620T
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)
ENGINE	Tire size x 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)	
	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	
DRIVE SYSTEM	Electric system battery	V (V/Ah x Qty)	24V (12V / 100 x 2)	
	Electric system alternator	V/A	24V / 50A	
VIBRATION SYSTEM	Power transmission type		Hydrostatic	
	Drive wheel		All wheel (drum & tires)	
BRAKE SYSTEM	Power transmission type		Hydraulic	
	Number of amplitude		2	
STEERING SYSTEM	Vibrator type		Single eccentric shaft	
	Service brake		Dynamic braking through hydrostatic drive system / FNR lever	
FLUID CAPACITY	Secondary brake (Emergency brake)		Hydrostatic + Spring applied hydraulically released type (SAHR) / Brake pedal	
	Parking brake		SAHR / Panel button	
FLUID CAPACITY	Power transmission type		Hydraulic	
	Articulation / Oscillation angle	± (°)	37 / 9	
FLUID CAPACITY	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
- The photos may contain optional equipment and/or attachment.

* Using low quality fuel may cause engine failure.