

SV505-I SERIES
Vibratory Soil Compactors

SAKAI



**Highway and Airport Subgrades
and Subbases**

Large Commercial and Industrial Tracts

Highest Amplitude In Its Class

Dual Amplitude – Dual Frequency

High Centrifugal Force Outputs

Most Advanced Shock Isolation System

Unique, Heavy-Duty Hitch Design

Economical to Own and Operate

MODEL		SV505D-I	SV505T-I
Operating Weight	lbs	23,525	24,320
	kg	10,671	11,032
On Front Drum	lbs	12,700	13,470
	kg	5,761	6,110
On Rear Axle	lbs	10,825	10,850
	kg	4,910	4,922
Minimum Vibration Frequency VPM		1,650	1,650
	Hz	27.5	27.5
Maximum Vibration Frequency VPM		2,200	2,200
	Hz	36.7	36.7
Centrifugal Force	lbs	38,580 - 50,710	41,890 - 55,120
	kN	171.6 - 225.6	186.3 - 245.2
Nominal Amplitude	inches	0.04 - 0.08	0.04 - 0.08
	mm	1.01 - 1.81	1.01 - 1.81
Engine Make & Model		Cummins QSB4.5	
Horsepower	hp / kW	130 / 96.9	130 / 96.9
Maximum Speed	mph / kmh	6.2 / 10.0	6.2 / 10.0
Gradability	percent	62	62
Tires		23.1-26-8PR(OR)	23.1-26-8PR(OR)
Fuel Tank Capacity	gallons / liters	66 / 250	66 / 250
Braking Types		Dynamic Hydrostatic, Wet Disc, SAHR with Footbrake	
Steering Type		Center-Point Articulated with Heavy-Duty Hitch	
DIMENSIONAL DATA			
Articulation Angle	degrees	37	37
Outside Turning Radius	inches / mm	221 / 5,613	221 / 5,613
Oscillation Angle	degrees	7	7
Drum Diameter A	inches / mm	60 / 1,254	63 / 1,600
Drum Width B	inches / mm	84 / 2,134	84 / 2,134
Overall Length C	inches / mm	227 / 5,766	227 / 5,766
Overall Width D	inches / mm	91 / 2,311	91 / 2,311
Overall Height E	inches / mm	114 / 2,896	114 / 2,896
Wheelbase F	inches / mm	117 / 2,972	117 / 2,972
Curb Clearance G	inches / mm	17.5 / 445	17.5 / 445
Side Overhang H	inches / mm	3.3 / 85	3.3 / 85



SV505D-I



SV505T-I

The SV505-I Series Vibratory Soil Compactors

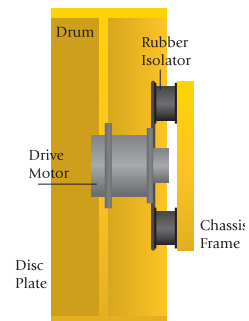
are designed to rapidly meet high density requirements on high yardage compaction jobs. The SV505D-I provides a smooth drum for use on rockfill, granular soils and semi-cohesive materials. The SV505T-I is equipped with a padfoot drum for use on cohesive silts and clay. Both models feature drum drive combined with drive on the rear wheels for added traction over rough terrain.

The SV505-I's offer the highest nominal amplitude vs. the competition and up to 55,120 pounds of centrifugal force over the 84" wide drum – providing rapid compaction of many soil types. Dual frequency/dual amplitude means optimum force for any application and is easily selected via a switch at the operator's station.

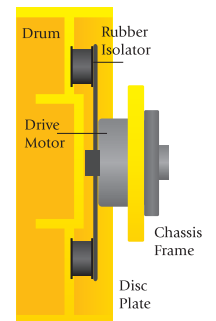
All Sakai vibratory compactors feature a unique heavy-duty hitch design that provides excellent articulation and oscillation, keeping the drum and wheels in contact with the ground over the roughest terrain. Unlike many competitive models, the patented shock isolation systems are completely independent of the drum drive system. Located between the chassis frame and the drum drive motor, the shock isolators reduce the transmission of vibration back to critical machine components as well as to the operator.

The SV505-I Series are powered by a fuel efficient 130 hp Cummins diesel engine that complies with current EPA/CARB emission standards. With a two-speed hydrostatic transmission, the SV505-I Series offers ground speeds up to 6.2 miles per hour. The machines are equipped with a three-way failsafe braking system. ROPS and seat belts are standard equipment.

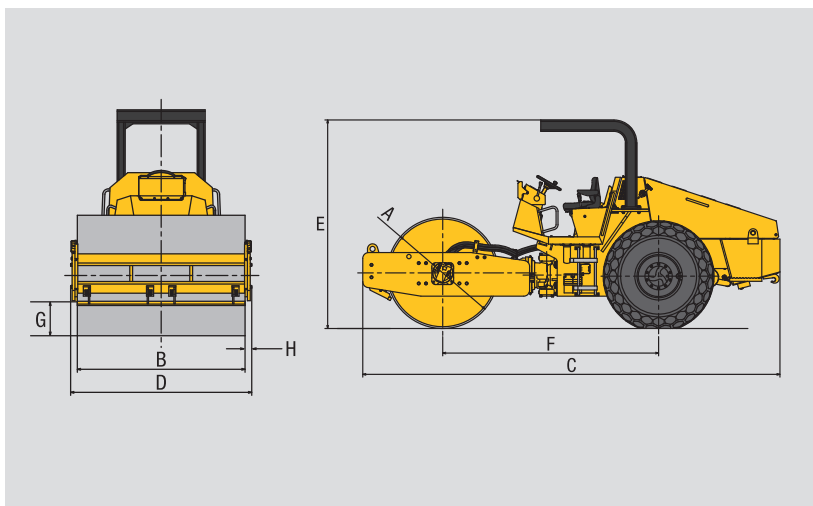
For more information, contact your authorized Sakai dealer listed below.



SAKAI



COMPETITOR



SAKAI

MASTERS OF COMPACTION

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Your authorized Sakai dealer:

