

# CV550 Series

**CV550D CV550DV CV550T**

## *Track - Driven Vibrating Compactor*

**Great for Landfills, Steep Embankment, Earthen Dams.**

**Climbs, Steep Slopes while Compacting.**

**No winching Dozer or Operator Required for steep Slope Applications.**

**Available with Smooth and Padfoot Drum.**

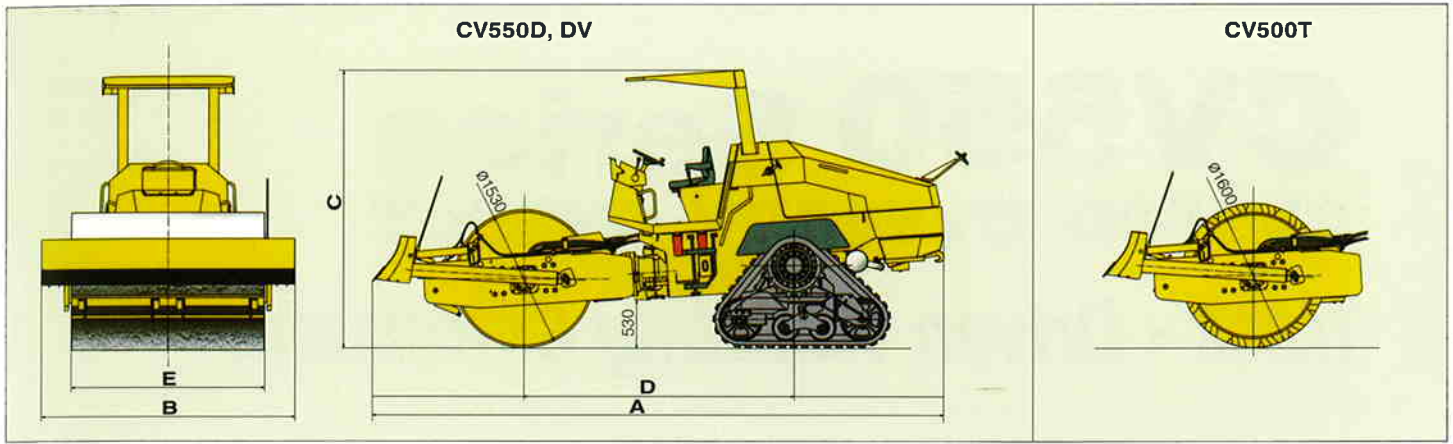
**Develops Centrifugal Forces up to 28 Tons (61,730 Pounds)**



The above photo (s) may contain option equipment and / or attachments.

# SAKAI®

## Dimensions



## Features

- The CV550 Series of vibratory soil compactor is designed with track drive, which enables these machines to conquer steep slope applications while compacting.
- The machines provide a cost-effective means of compacting jobs like landfill construction which in the past had to be handled by a vibratory compactor winched up the slope by dozer, thus necessitating the added expense of the dozer its operator.
- Wide variation of drum types; Smooth drum or padfoot drum with standard vibration mode (single eccentric type) or vertical vibration mode (twin eccentric type) are available to select from standard vibration models: CV550D (smooth drum), CV550T (padfoot drum) and vertical vibration model; CV550DV (smooth drum).
- The CV550 Series is able to climb slopes up to 62% (32 deg.) while developing the centrifugal forces required to reach density in a minimal number of passes over material.
- This concept also speed compaction of steep embankments, earthen dams and any application where slopes and / or traction may be a problem.
- The CV550 Series is available in the selection of drum types - smooth drum for non-cohesive and granular materials or padfoot for cohesive silts and clays.
- Standard equipment includes instruments, Dozer blade, Gauges, Scraper, Back - up alarm, Horn, Rops canopy.
- Many options available: Cabin, Air - conditioner, Lights.

## Specifications

MODEL (Vibration mode)	Smooth drum type		Padfoot drum type
	CV550D Standard mode	CV550DV Vertical mode	CV550T Standard mode
<b>WEIGHTS</b>			
Gross weight	kg (lbs)	13,700 (30,210)	14,200 (31,310)
Load on front	kg (lbs)	6,400 (14,110)	6,900 (15,210)
Load on rear	kg (lbs)		7,300 (31,310)
<b>DIMENSIONS</b>			
Overall length	A mm (in)	6,290 (248)	
Overall width	B mm (in)	2,800 (110)	
Overall height with rops	C mm (in)	3,070 (121)	
Wheel base	D mm (in)	2,970 (117)	
Rolling width	E mm (in)	2,130 (84)	
Min. Turning Radius	m (in)	6.2 (244)	
Curb clearance	mm (in)	440 (17,5)	
Ground clearance	mm (in)	440 (17,5)	
<b>SPEED</b>			
Speed	L km / h (mph) H km / h (mph)	0~3.0 (0~1.9) 0~5.3 (0~3.3)	
Gradability	% (°)	62 (32)	
<b>VIBRATING POWER</b>			
Centrifugal force (max)	L kN (kgf) lbm H kN (kgf) lbm	172 (17,500) 38,580   196 (20,000) 44,090   181 (18,500) 40,790	226 (23,000) 50,710   275 (28,000) 61,730   245 (25,000) 55,120
Amplitude	L / H mm (in)	0.74 / 1.69 (0.029 / 0.067)	0.71 / 1.77 (0.028 / 0.070)   0.69 / 1.70 (0.027 / 0.067)
Frequency	L / H Hz (vpm)	40 / 30 (2,400 / 1,800)	
<b>ENGINE</b>			
Model		ISUZU "BB-6BG1T" Diesel Engine with turbo charger	
Type		water-cooled, 4-cylinder, 6-cylinder in-line direct injection type	
Rated output	kW (HP)/min <sup>-1</sup>	126 (169)	171 / 2,200
Piston displacement	L (cu.in)	6.469 (396)	
Battery		24V (12V-100Ah x 2)	
<b>POWER LINE</b>			
Transmission Type		Hydrostatic transmission	
Speed		2 speed shifts	
Differential		Auto lock type	
Final drive		Planetary gear	
<b>VIBRATING SYSTEM</b>			
Transmission		Hydrostatic transmission	
Vibrator System		Eccentric shaft type	Twin eccentric shafts type   Eccentric shaft type
<b>BRAKE SYSTEM</b>			
Service brake		Hydrostatic and mechanical type	
Parking brake		Mechanical, internal expanding type	
<b>STEERING SYSTEM</b>		Hydraulic type (Articulated type)	
<b>ROLLS&amp;WHEEL</b>			
Front roll		Vibrate & Drive	
Rear crawler		Drive	
Dimension			
Front roll	Width x dia mm (in)	2,130 x 1,530 (80 x 60)	2,130 x 1,600 (84 x 63)
number of pads		-	140
pad height	mm (in)	-	100 (3.9)
pad area	cm <sup>2</sup> (sq. in)	-	136 (21)
Rear crawler	Width x pitch mm (in)	500 x 125 (19.7 x 4.9)	
<b>Fuel tank</b>	L (gal)	250(66)	
<b>Hydraulic oil tank</b>	L (gal)	50(13)	
<b>Rops</b>		Steel frame	

\* Specifications are subject to change without notice.



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Printed in Japan 2008.10.1A©