



VIBRATORY TANDEM ROLLER

All drum drive, articulated steering, compact size tandem type vibrating roller.

CR271 designed for small paving jobs, road maintenance, road widening, roadway, parking lots, bicycle paths, sports courts, small asphalt applications, rental house fleets.

Powerful Performance

- Vibration frequency of 67 Hz (4,000 vpm) allows highly efficient compaction with optimum impact spacing without sacrificing speed.
- Cross mounted hydraulic drive motors on the front and rear drums keep the roller driving straight even at slower speeds.

Comfort and Safety

- 1 m (39 in) × 1 m (39 in) visibility.
- Excellent 360-degree visual angle and drum edge visibility for added safety.

Simplified Maintenance

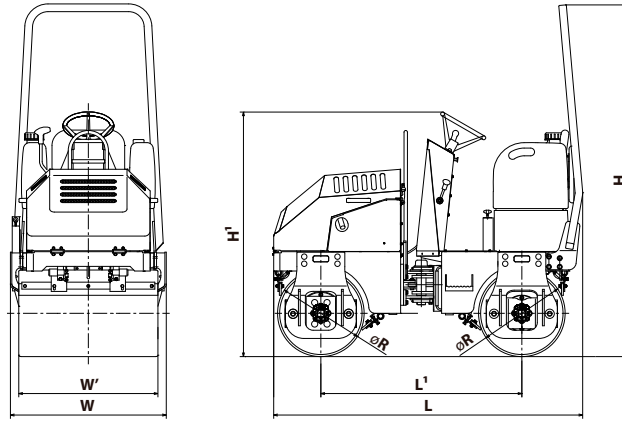
- Long life Sakai patented rubber isolators for drums.
- Flip open engine hood provides easy accessibility to engine and components for daily maintenance and service.

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



www.sakainet.co.jp/english/

CR271



TYPE		Vibratory Tandem Roller	
MODEL		CR271	
CHASSIS MODEL		4CR2	
WEIGHTS	Max. Operating weight with ROPS	kg (lbs)	1,560 (3,440)
	Operating weight with ROPS	kg (lbs)	1,470 (3,245)
	Load on front axle - operating weight with ROPS	kg (lbs)	650 (1,435)
	Load on rear axle - operating weight with ROPS	kg (lbs)	820 (1,810)
PERFORMANCE	Centrifugal force	kN (lbs)	13.2 (2,965)
	Frequency	Hz (vpm)	66.7 (4,000)
	Amplitude	mm (in)	0.35 (0.014)
	Dynamic linear pressure for front drum - operating weight with ROPS	N/cm (lbs/in)	218 (120)
	Static linear pressure for rear drum - operating weight with ROPS	N/cm (lbs/in)	90 (50)
	Number of speed shifts		1
	Speed range	km/h (mph)	0-7.5 (0-4.7)
	Gradeability	% (°)	25 (14)
	Turning radius compacted surface (inside / outside)	m (in)	2.0 (79) / 2.9 (115)
	DIMENSIONS	Overall length L	mm (in)
Overall width W		mm (in)	1,010 (40)
Overall height (without ROPS) H¹		mm (in)	1,580 (62)
Overall height (with ROPS) H		mm (in)	2,440 (96)
Wheelbase L¹		mm (in)	1,300 (51)
Compaction width W'		mm (in)	900 (35)
Drum width W' / Drum diameter R		mm (in)	900 / 560 (35 / 22)
Shell thickness		mm (in)	13.5 (0.5)
Ground clearance		mm (in)	280 (11)
Curb clearance		mm (in)	325 (13)
Side clearance		mm (in)	55 (2)
ENGINE		Make	
	Model		GX630 (EPA Phase3, China Stage I)
	Type		Gasoline, Air-cooled, 4-cycle, 2-cylinder V-type
	Displacement	L (cu.in)	0.688 (42.0)
	Rated output	kW (HP)/min ⁻¹	12.0 (16) / 3,600
	Electric system battery	V (V/Ah×Qty)	12V (12V / 36 × 1)
	Electric system alternator	V/A	12V / 17A
DRIVE SYSTEM	Power transmission type		Hydrostatic
	Drive wheel		All wheel
VIBRATION SYSTEM	Power transmission type		Hydraulic
	Number of amplitude		1
BRAKE SYSTEM	Vibrator type		Single eccentric shaft
	Service brake		Dynamic braking through hydrostatic drive system / FNR lever
	Secondary brake (Emergency brake)		N/A
STEERING SYSTEM	Parking brake		Mechanical, Disc type / Parking brake lever
	Power transmission type		Hydraulic
FLUID CAPACITY	Articulation / Oscillation angle	± (°)	30 / 0
	Fuel tank	L (gal)	30 (7.9)
	Hydraulic oil tank	L (gal)	30 (7.9)
	Water sprinkler tank	L (gal)	150 (39.6)

- 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.

* Engine meets EPA standards.

* Using low quality fuel may cause engine failure.

Standard Equipment :

- Scrapers for both directions
- Horn
- Comfort seat
- Water sprinkler system (Gravity)
- 1 point lifting

Optional Equipment :

- ROPS CANOPY[w/ Seatbelt]
- PROTECTION BAR
- Backup alarm
- Vandalism protections



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



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