



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 67Hz(4,000vpm) 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.

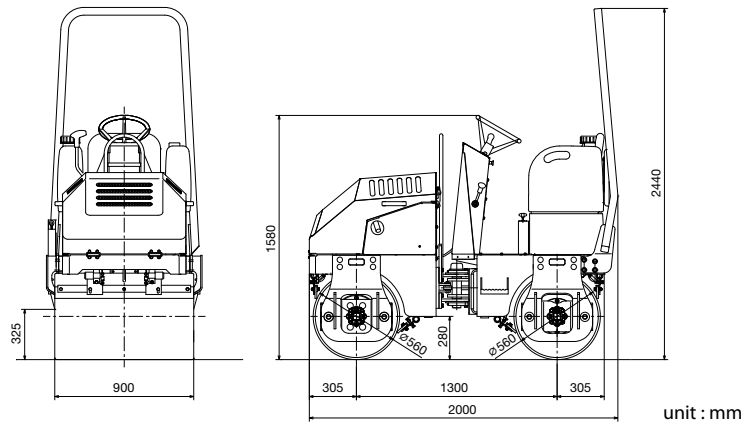
Comfort and Safety

- 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.

CR271



TYPE		Vibratory Tandem Roller		
MODEL		CR271		
CHASSIS MODEL		4CR2		
WEIGHTS	Operating weight (with ROPS)	kg (lb)	1,480 (3,265)	
	Empty weight (with ROPS)	kg (lb)	1,330 (2,935)	
	Load on front axle (operating weight with ROPS)	kg (lb)	650 (1,435)	
	Load on rear axle (operating weight with ROPS)	kg (lb)	830 (1,830)	
PERFORMANCE	Centrifugal force	kN (lb)	13.2 (2,975)	
	Frequency	Hz (vpm)	66.7 (4,000)	
	Amplitude	mm (in)	0.35 (0.014)	
	Dynamic linear pressure for front roll (operating weight with ROPS)	N/cm (lb/in)	217 (124)	
	Static linear pressure for rear roll (operating weight with ROPS)	N/cm (lb/in)	90 (52)	
	No. of speeds		1	
	Speed range (Forward & Reverse)	km/h (mph)	7.5 (4.6)	
	Gradability	% (°)	25 (14.0)	
	Min. turn radius (outer)	m (in)	2.8 (110)	
	DIMENSIONS	Overall length	mm (in)	2,000 (79)
Overall width		mm (in)	1,010 (40)	
Overall height (with ROPS)		mm (in)	2,440 (96)	
Wheelbase		mm (in)	1,300 (51)	
Compaction width		mm (in)	900 (35.5)	
Drum width / Drum diameter (outer)		mm (in)	900/560 (35.5 / 22.0)	
Shell thickness		mm (in)	13.5 (0.53)	
Ground clearance		mm (in)	280 (11.0)	
Curb clearance		mm (in)	325 (13.0)	
Side clearance		mm (in)	55 (2.2)	
ENGINE		Make		HONDA
		Model		GX630R (EPA-Phase 2)
	Type		Gasoline, Air-cooled, 4-cycle	
	Displacement	L (cu.in)	0.688 (42.0)	
	Rated output	kW (HP)/min ⁻¹	12.0 (16.1) / 3,600	
	Electric system battery	V (V/Ah × Qty)	12 (12 / 36 × 1)	
	Electric system alternator	V/A	12 / 17	
	POWER LINE	Transmission		Hydrostatic transmission
Type			Hydraulic	
Drive wheel			All wheel	
VIBRATION SYSTEM	Drive		Hydrostatic	
	Amplitude control		1	
	Vibrator		Eccentric shaft type	
BRAKE SYSTEM	Service (emergency)		-	
	Parking		Mechanical, disc type / Side Lever	
	Working (nominal)		Hydrostatic dynamic brake through drive system / F&R Lever	
STEERING SYSTEM	Type		Hydraulic type (articulated)	
	Articulation / Oscillation (+/-)	°	30 / 0	
FLUID CAPACITY	Fuel tank	L (gal)	30 (7.9)	
	Hydraulic tank	L (gal)	30 (7.9)	
	Sprinkler tank	L (gal)	150 (40)	

- Operating Weight : 100% Fuel, 100% Water, No Operator.
- Specifications are subject change without notice.
- All units are SI units. Inside of () is for reference units.
- Above specified numbers could be deviated within ±5%.

- ※ Engine meets EPA(Phase) standards.
- ※ Using low quality fuel may cause engine failure.

Standard Equipment :

- Instrument ● Gauges ● Horn
- Water sprinkler system (Gravity)

Optional Equipment :

- ROPS-BAR ● PROTECTION-BAR



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



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