



## 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.

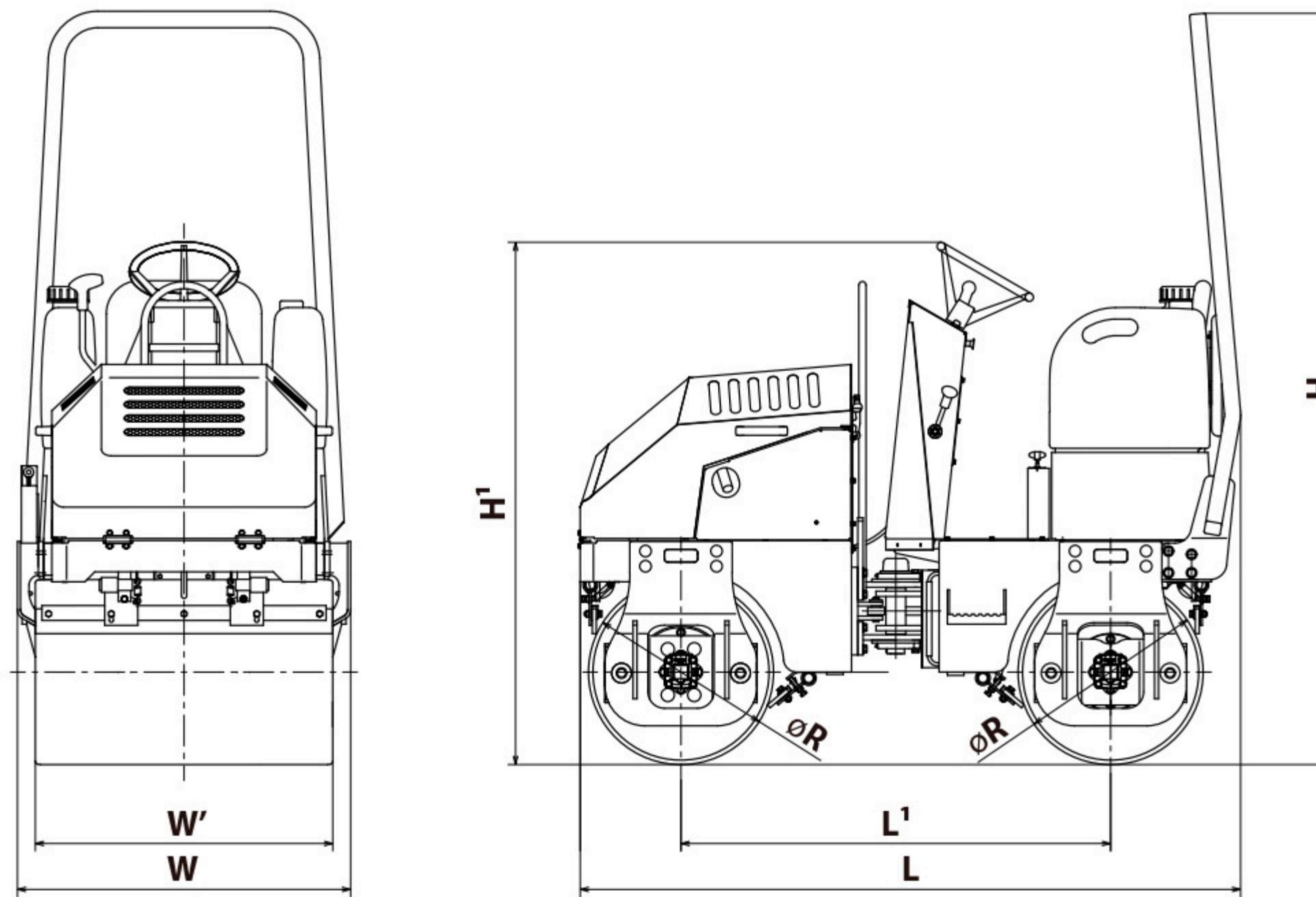
### **Comfort and Safety**

- 1 m (39 in) x 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          | 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<br>- operating weight with ROPS | N/cm (lbs/in)             | 218 (120)  |
|                  | Static linear pressure for rear drum<br>- 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 <b>L</b>  | mm (in)                   | 2,000 (79)   |
|                  | Overall width <b>W</b>   | mm (in)                   | 1,010 (40)   |
|                  | Overall height (without ROPS) <b>H<sup>1</sup></b>                     | mm (in)                   | 1,580 (62)   |
|                  | Overall height (with ROPS) <b>H</b>                                    | mm (in)                   | 2,440 (96)   |
|                  | Wheelbase <b>L<sup>1</sup></b>   | mm (in)                   | 1,300 (51)   |
|                  | Compaction width <b>W'</b>   | mm (in)                   | 900 (35)   |
|                  | Drum width <b>W'</b> / Drum diameter <b>R</b>                          | 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   |                           | HONDA  |
|                  | 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 <sup>-1</sup> | 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  |
|                  | Vibrator type  |                           | Single eccentric shaft                                       |
| BRAKE SYSTEM     | Service brake  |                           | Dynamic braking through hydrostatic drive system / FNR lever |
|                  | Secondary brake (Emergency brake)                                      |                           | N/A  |
|                  | Parking brake  |                           | Mechanical, Disc type / Parking brake lever                  |
| STEERING SYSTEM  | Power transmission type  |                           | Hydraulic  |
|                  | Articulation / Oscillation angle                                       | ± (°)                     | 30 / 0   |
| FLUID CAPACITY   | 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=75 kg
- Operating weight : Fuel=50%, Water=50%, Operator=75 kg
- 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