



R2H-4

World standard originally patented by Sakai in 1970s

STATIC THREE WHEEL ROLLER

Versatile static three wheel roller for various types of paving compaction jobs

Best Compaction Quality and Efficiency

- Equal static linear pressure across all drums provides uniform compaction.
- Articulated center-point steering.
- The all-drum hydrostatic drive with the largest diameter drums leaves a smooth finish and minimizes pushing and shoving of hot mix asphalt (HMA) mat.

Eco Mode (R2H-4)

- Sakai's new ECO compaction mode (ECM), which reduces fuel consumption up to 40%.

High Safety Standards

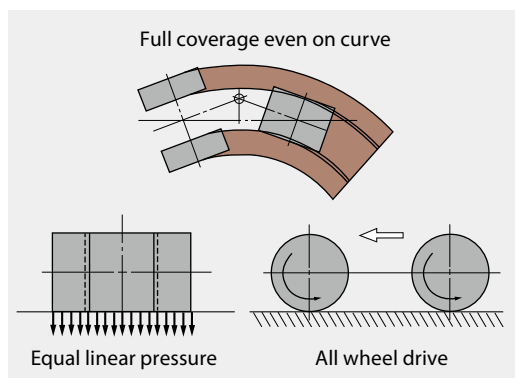
- 1 m × 1 m visibility.
- Emergency brake pedal is standard.

Easy Maintenance

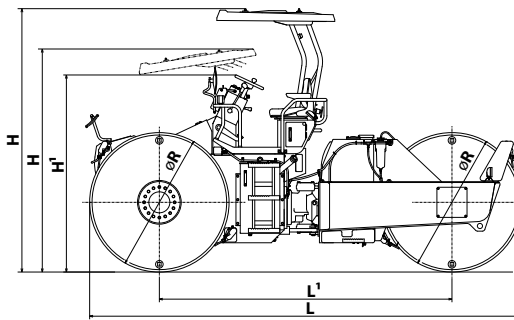
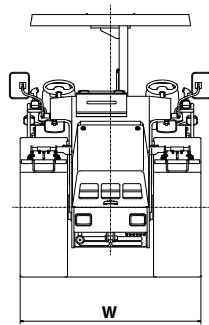
- Easy access to engine, hydraulics, devices, filters, etc. from ground.
- Sprinkler system with anti-clog package, i.e., a plastic water tank, triple-protection filtration, etc., and with perfect draining winterization.
- Direct access to spray nozzles from operators station.
- Rugged articulated center-pin joint.
- KUBOTA V3307 engine features OHV4 valve and Turbo that maintains output even at high elevations.



R2H-2



R2H Series



| TYPE | | |
|------------------------|--|---------------------------|
| MODEL | | |
| CHASSIS MODEL | | |
| WEIGHTS | Max. operating weight with AWNING | kg (lbs) |
| | Operating weight with AWNING | kg (lbs) |
| | Load on front axle - operating weight with AWNING | kg (lbs) |
| | Load on rear axle - operating weight with AWNING | kg (lbs) |
| PERFORMANCE | Static linear pressure for front drum - operating weight with AWNING | N/cm (lbs/in) |
| | Static linear pressure for rear drum - operating weight with AWNING | N/cm (lbs/in) |
| | Number of speed shifts | |
| | Speed range (L / H) | km/h (mph) |
| DIMENSIONS | Gradeability | % (°) |
| | Turning radius compacted surface (inside / outside) | m (in) |
| | Overall length L | mm (in) |
| | Overall width W | mm (in) |
| | Overall height (without AWNING) H ¹ | mm (in) |
| | Overall height (with AWNING) H [fold / unfold] | mm (in) |
| | Wheelbase L ¹ | mm (in) |
| | Compaction width W | mm (in) |
| ENGINE | Drum width W / Drum diameter R / Number of drums | mm (in) |
| | Shell thickness | mm (in) |
| | Ground clearance | mm (in) |
| | Curb clearance | mm (in) |
| | Side clearance | mm (in) |
| | Make | |
| | Model | |
| | Type | |
| DRIVE SYSTEM | Displacement | L (cu.in) |
| | Rated output | kW (HP)/min ⁻¹ |
| | Electric system battery | V (V /Ah × Qty) |
| | Electric system alternator | V/A |
| | Power transmission type | |
| BRAKE SYSTEM | Drive wheel | |
| | Service brake | |
| | Secondary brake (Emergency brake) | |
| STEERING SYSTEM | Parking brake | |
| | Power transmission type | |
| | Articulation / Oscillation angle | ± (°) |
| FLUID CAPACITY | Fuel tank | L (gal) |
| | Hydraulic oil tank | L (gal) |
| | Water sprinkler tank | L (gal) |

| Static Three Wheel Roller | | |
|---|--|--|
| R2H-4 | R2H-2 | R2H-2k |
| 1R7 | 1R5 | 1R6 |
| 14,080 (31,040) | 14,030 (30,930) | |
| 13,700 (30,205) | 13,650 (30,095) | |
| 6,760 (14,905) | 6,670 (14,705) | |
| 6,940 (15,300) | 6,980 (15,390) | |
| 602 (345) | 595 (340) | |
| 618 (355) | 622 (355) | |
| 2 | | |
| 0 - 8 / 0 - 16 (0 - 5.0 / 0 - 9.9) | | |
| 31 (17) | | |
| 4.2 (166) / 6.3 (249) | | |
| 5,020 (198) | | |
| 2,100 (83) | | |
| 2,290 (90) | | |
| 2,595 / 3,060 (102 / 120) | | |
| 3,400 (134) | | |
| 2,100 (83) | | |
| front : 550 (22) / 1,620 (64) / 2 rear : 1,100 (43) / 1,620 (64) / 1 | | |
| 28 (1.1) | | |
| 340 (13) | | |
| ∞ | | |
| 0 | | |
| KUBOTA | | |
| V3307-CR-T-EF05 (EPA Tier4) | V3307-DI-T-KDN (EPA Interim Tier4 : equivalent) | V3307-DI-T-E2B-RRSH1 (Non EPA Emission) |
| Diesel, water-cooled, 4-cycle, 4-cylinder inline, with turbo charger | | |
| 3.331 (203.3) | | |
| 54.6 (73) / 2,200 | | |
| 12V (12V / 72 × 1) | | |
| 12V / 90A | 12V / 80A | |
| Hydrostatic | | |
| All wheel (Three drums) | | |
| Dynamic braking through hydrostatic drive system / FNR lever | | |
| Hydrostatic + Spring applied hydraulically released type (SAHR) / Brake pedal | | |
| SAHR / Panel button | | |
| Hydraulic | | |
| 36 / 5.3 | | |
| 100 (26.4) | | |
| 85 (22.5) | | |
| 680 (179.6) | | |

● 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 for R2H-4, R2H-2.
 * Using low quality fuel may cause engine failure.



ISO9001 certified Tokyo Head Office,
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Standard Equipment :

- Instrument panel ● Gauges ● Scrapers for both directions
- Backup alarm ● Horn ● AWNING ● Comfort seat
- Front-facing working lights ● Rear-facing working lights
- Turn signal lamp ● External rear view mirrors
- Pressurized water sprinkler system ● Intermittent water spray timer
- Accessory socket (12V, R2H-4) ● ECO Mode (R2H-4)

Optional Equipment :

- ROPS CANOPY[w/ Seatbelt] ● Rotary beacon ● Vandalism protections
- 4 points lifting