

**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.

**R2H-2**

Eco Mode (R2H-4)

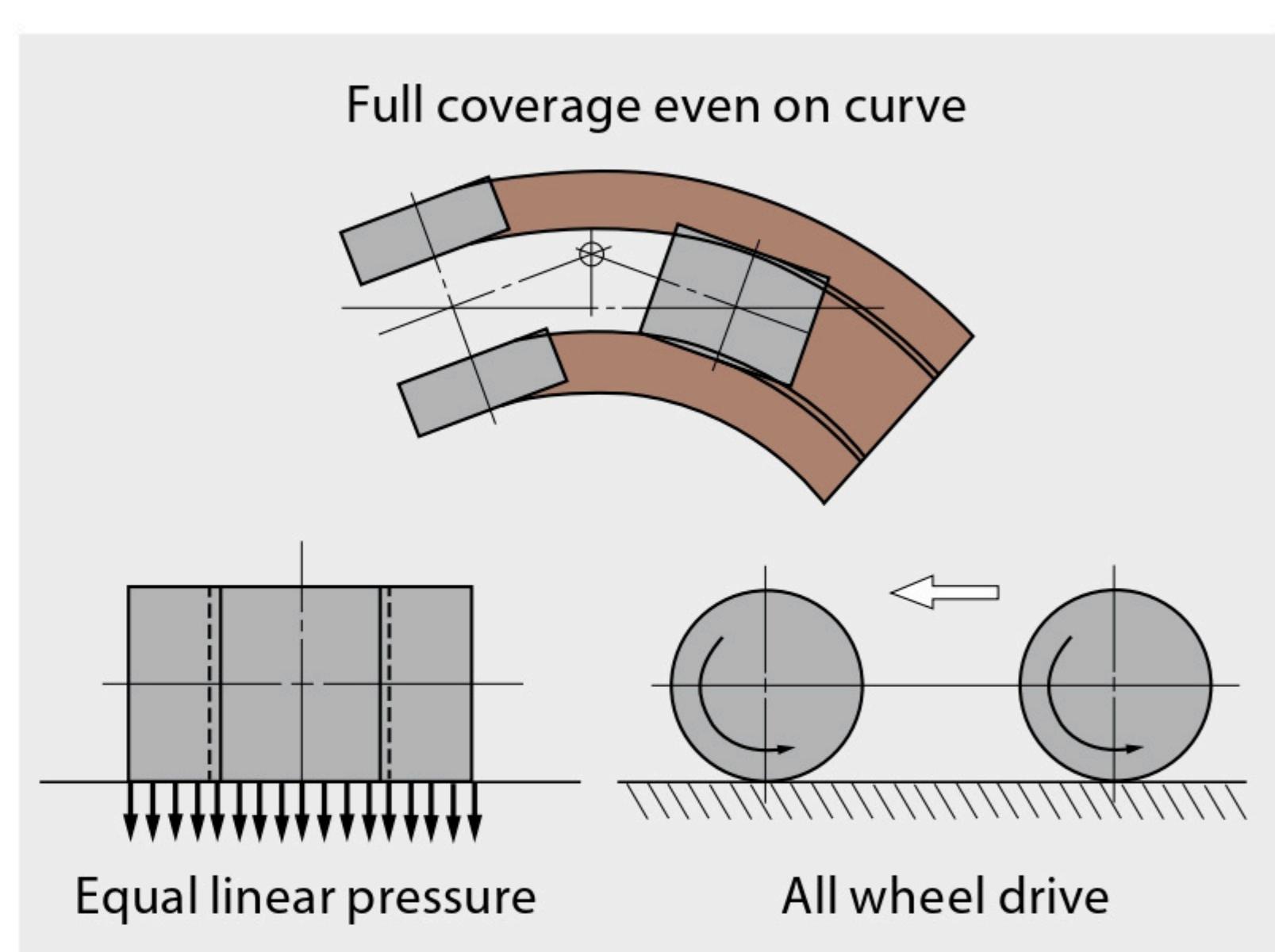
- Sakai's new ECO compaction mode (ECM), which reduces fuel consumption up to 40%.

High Safety Standards

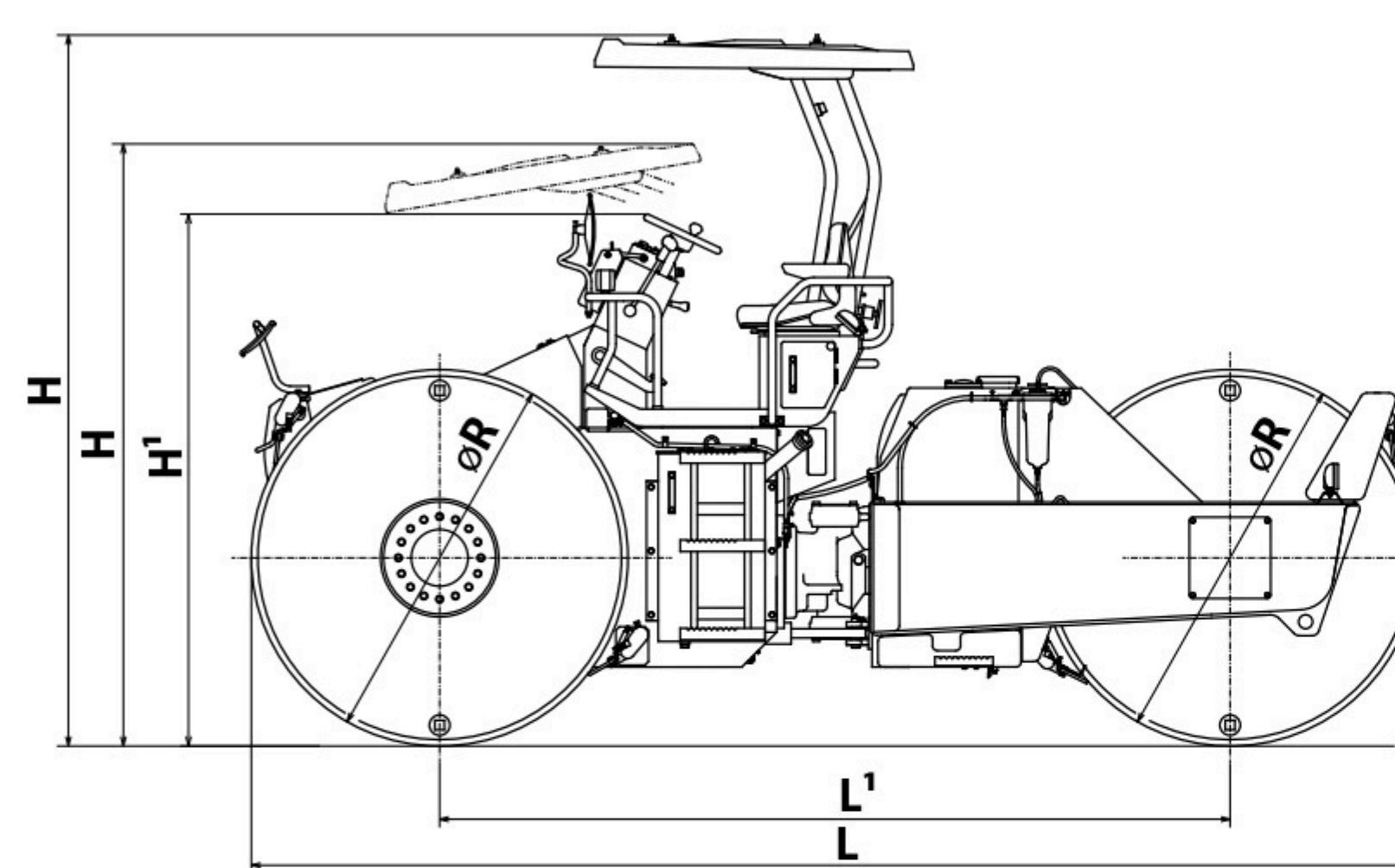
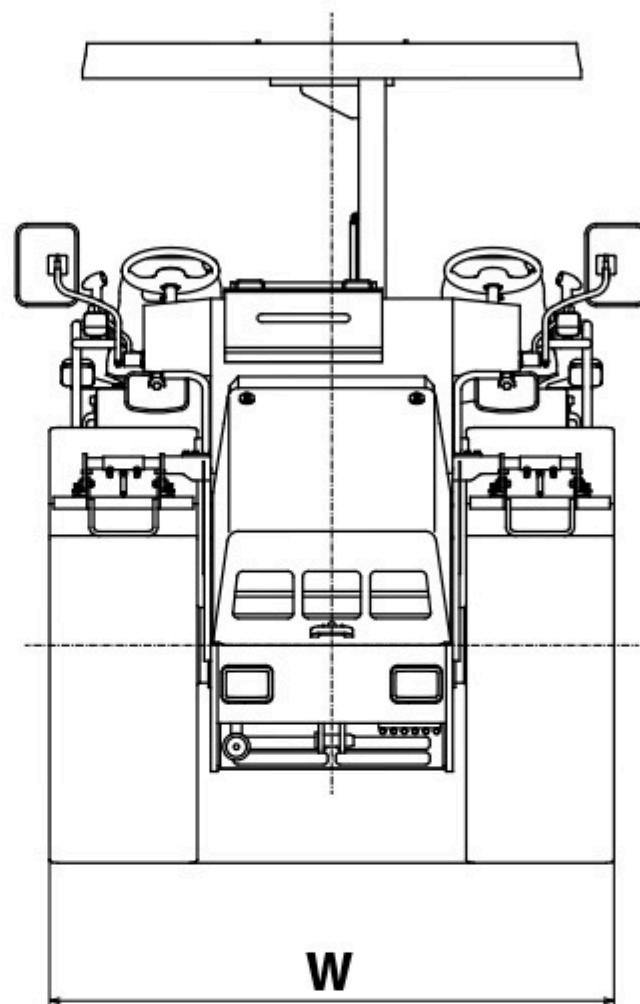
- 1 m x 1 m visibility.
- Emergency brake pedal is standard.

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 Series



TYPE		Static Three Wheel Roller		
MODEL	1R7	1R5	1R6	R2H-2k
WEIGHTS	Max. operating weight with AWNING Operating weight with AWNING Load on front axle - operating weight with AWNING Load on rear axle - operating weight with AWNING	kg (lbs) kg (lbs) kg (lbs) kg (lbs)	14,080 (31,040) 13,700 (30,205) 6,760 (14,905) 6,940 (15,300)	14,070 (31,020) 13,690 (30,185) 6,690 (14,750) 7,000 (15,435)
PERFORMANCE	Static linear pressure for front drum - operating weight with AWNING Static linear pressure for rear drum - operating weight with AWNING	N/cm (lbs/in)	602 (345) 618 (355)	597 (340) 624 (355)
DIMENSIONS	Number of speed shifts Speed range (L / H) Gradeability Turning radius compacted surface (inside / outside)	km/h (mph) % (°)	2 0 – 8 / 0 – 16 (0 – 5.0 / 0 – 9.9) 31 (17) 4.2 (166) / 6.3 (249)	
ENGINE	Overall length L Overall width W Overall height (without AWNING) H Overall height (with AWNING) H [fold / unfold] Wheelbase L Compaction width W Drum width W / Drum diameter R / Number of drums Shell thickness Ground clearance Curb clearance Side clearance	mm (in) mm (in)	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	
DRIVE SYSTEM	Make Model Type Displacement Rated output Electric system battery Electric system alternator		KUBOTA V3307-CR-T-EF05 (EPA Tier4)	V3307-DI-T-KDN (EPA Interim Tier4 : equivalent)
BRAKE SYSTEM	Power transmission type Drive wheel		12V / 90A	12V / 80A
STEERING SYSTEM	Service brake Secondary brake (Emergency brake) Parking brake		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
FLUID CAPACITY	Power transmission type Articulation / Oscillation angle Fuel tank Hydraulic oil tank Water sprinkler tank	± (°)	Hydraulic 36 / 5.3 100 (26.4) 85 (22.5) 680 (179.6)	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.

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