



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

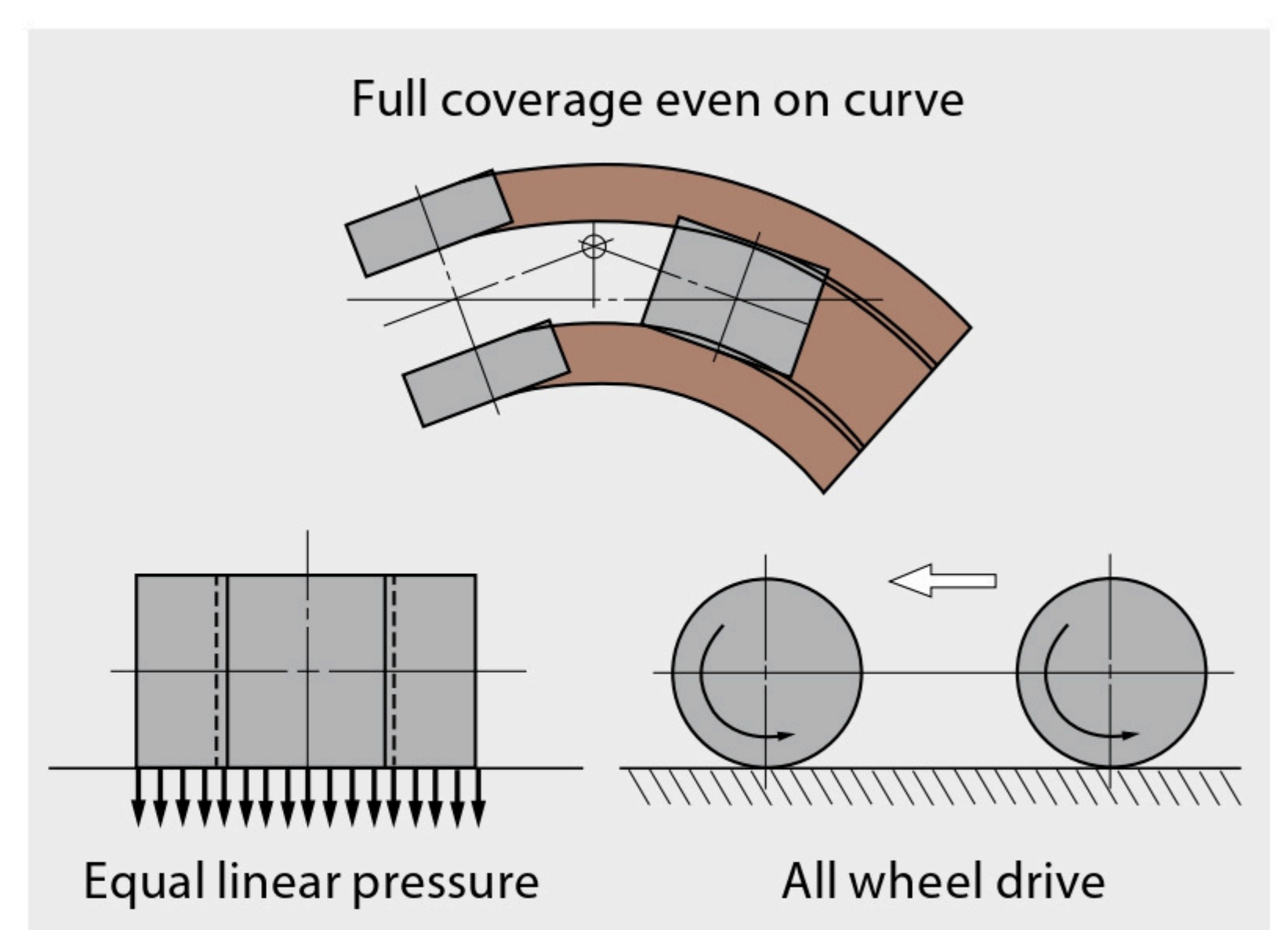
- 1 m × 1 m visibility.
- Emergency brake pedal is standard.

Easy Maintenance

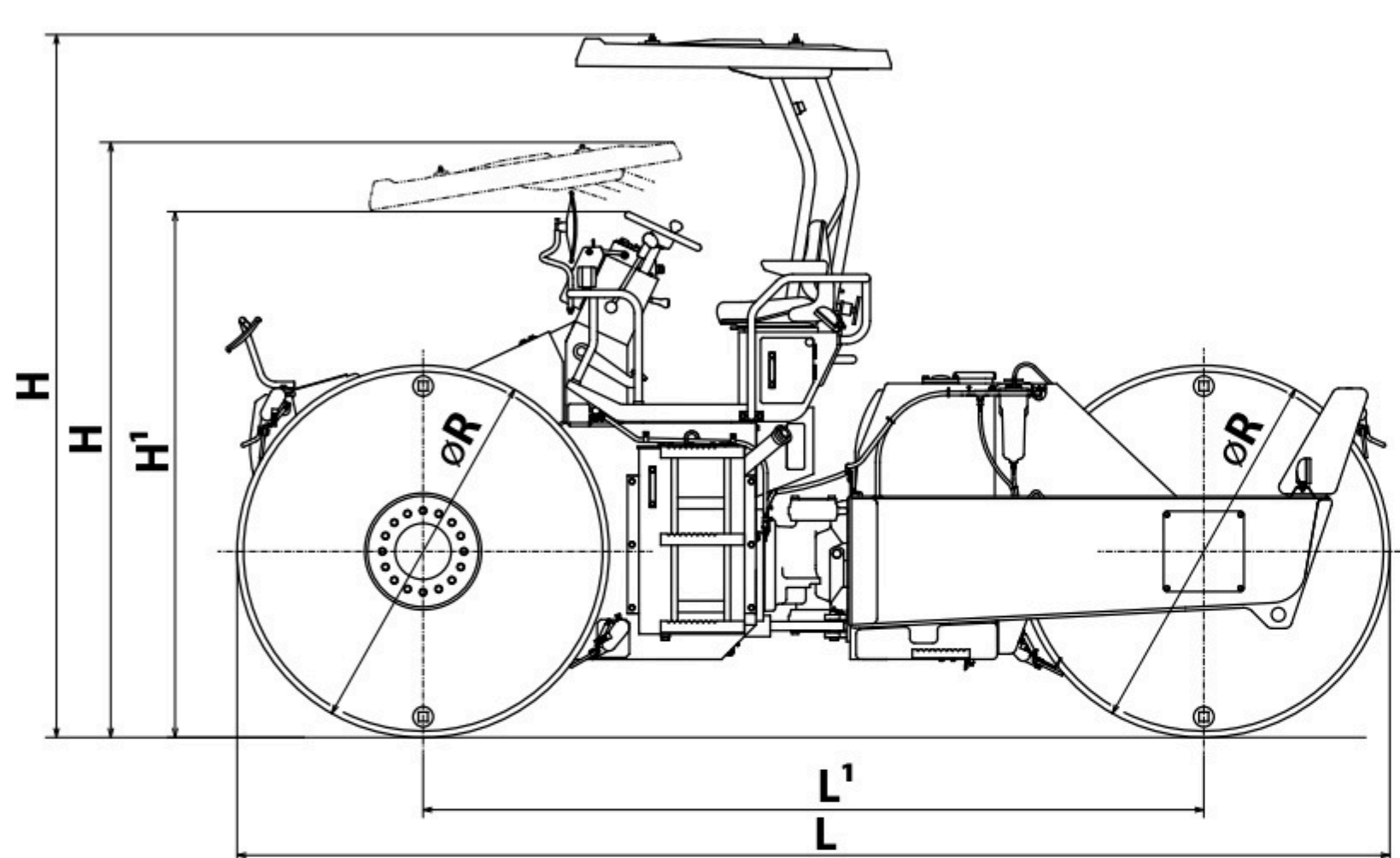
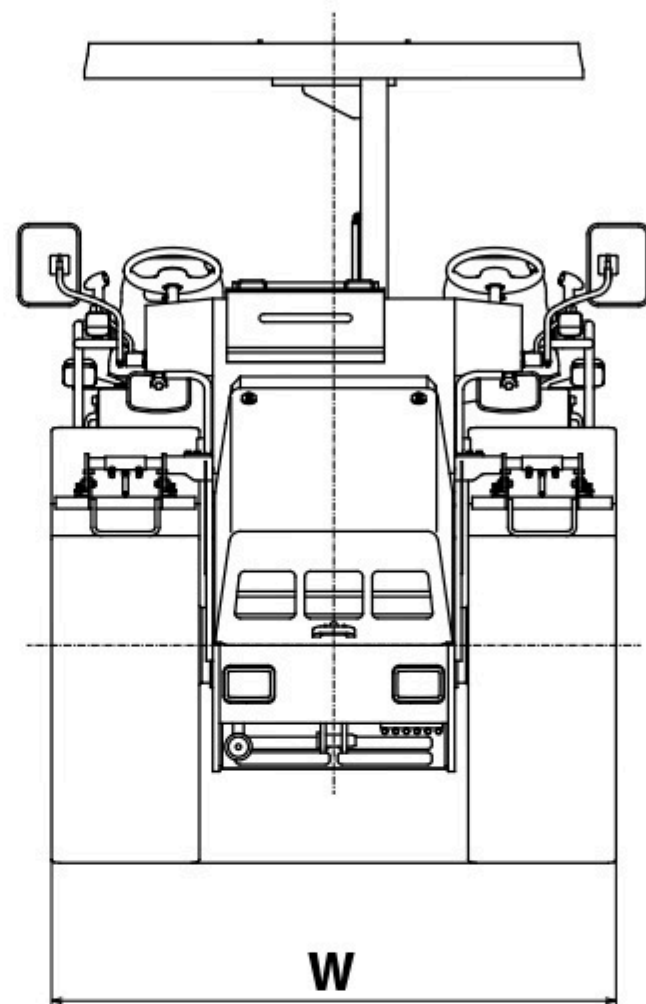
- Easy access to engine, hydraulics, devices, filters, etc. from ground.
- Sprinkler system with anti-clog package, i.e., a plastic water tank, triple-protection filtration, etc., and with perfect draining winterization.
- Direct access to spray nozzles from operators station.
- Rugged articulated center-pin 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)
	Gradeability	% (°)
	Turning radius compacted surface (inside / outside)	m (in)
DIMENSIONS	Overall length L	mm (in)
	Overall width W	mm (in)
	Overall height (without AWNING) H¹	mm (in)
	Overall height (with AWNING) H [fold / unfold]	mm (in)
	Wheelbase L¹	mm (in)
	Compaction width W	mm (in)
	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)
ENGINE	Make	
	Model	
	Type	
	Displacement	L (cu.in)
	Rated output	kW (HP)/min ⁻¹
	Electric system battery	V (V /Ah × Qty)
	Electric system alternator	V/A
DRIVE SYSTEM	Power transmission type	
	Drive wheel	
BRAKE SYSTEM	Service brake	
	Secondary brake (Emergency brake)	
	Parking brake	
STEERING SYSTEM	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)	14,070 (31,020)	
13,700 (30,205)	13,690 (30,185)	
6,760 (14,905)	6,690 (14,750)	
6,940 (15,300)	7,000 (15,435)	
602 (345)	597 (340)	
618 (355)	624 (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.

- 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