

SAKAI®

R2-2
R2-2K
Series



**World standard originally patented by
Sakai in 1970s**

R2-2

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.
- Applicable to thin HMA layers such as SMA and OGFC where vibratory compaction is not allowed.

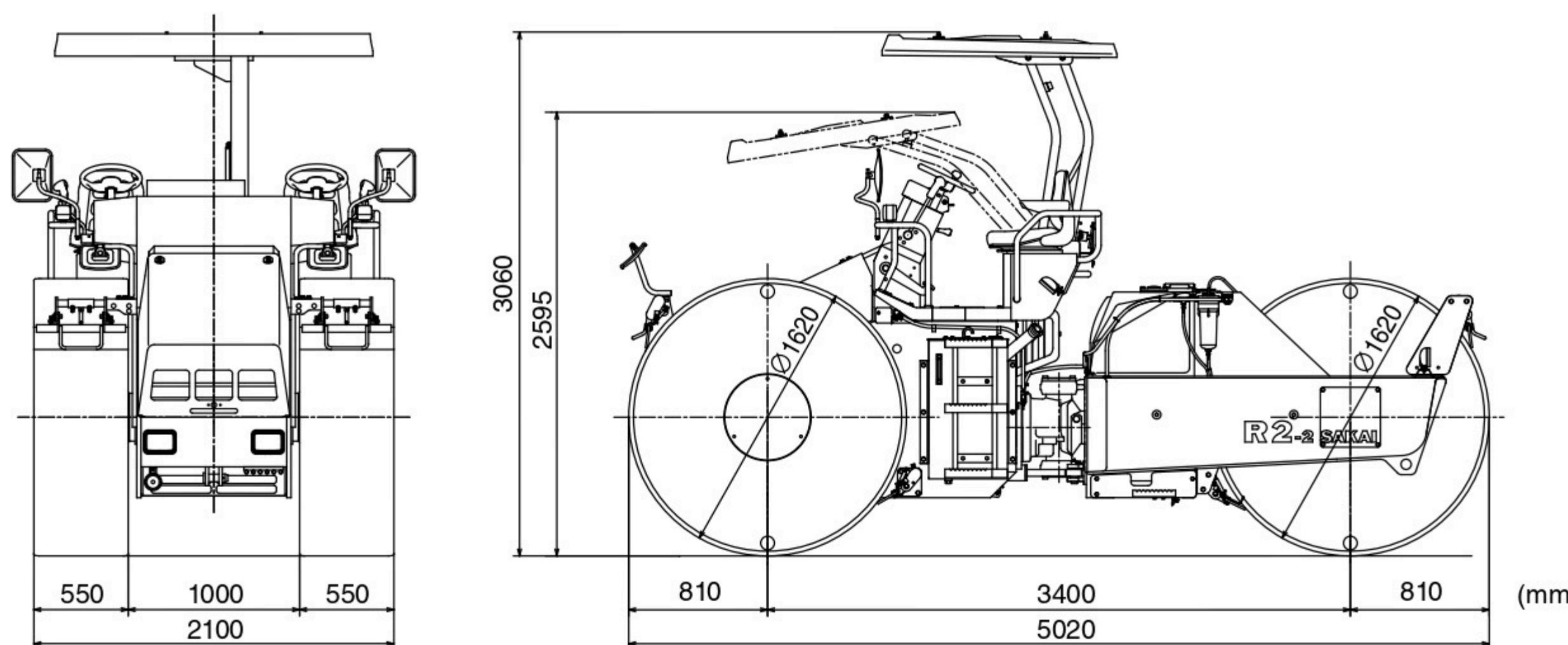
High safety standards

- 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.

R2-2 R2-2K Series



TYPE		Static Three Wheel Roller	
MODEL	1R5	1R6	R2-2
CHASSIS MODEL			
WEIGHTS	Operating weight (with AWNING) kg (lb)	9,980 (22,005)	
	Empty weight (with AWNING) kg (lb)	9,300 (20,500)	
	Load on front axle (operating weight) (with AWNING) kg (lb)	4,880 (10,760)	
	Load on rear axle (operating weight) (with AWNING) kg (lb)	5,100 (11,245)	
PERFORMANCE	Static linear pressure for front roll (operating weight) (with AWNING) N/cm (lb/in)	435 (248)	
	Static linear pressure for rear roll (operating weight) (with AWNING) N/cm (lb/in)	455 (260)	
	No.of speeds	2	
	Speed range (L / H) km / h (mph)	0 - 8 / 0 - 16 (0 - 5.0 / 0 - 9.9)	
	Gradability % (°)	47 (25)	
	Min. turn radius (outer) m (in)	6.3 (248)	
DIMENSIONS	Overall length mm (in)	5,020 (198)	
	Overall width mm (in)	2,100 (83)	
	Overall height (with AWNING) mm (in)	3,060 (120)	
	Wheelbase mm (in)	3,400 (134)	
	Compaction width mm (in)	2,100 (83)	
	Drum diameter / Drum width / Number of Rolls mm (in)	front : 1,620 (64) / 550 (22) / 2 rear : 1,620 (64) / 1,100 (43) / 1	
	Ground clearance mm (in)	340 (13.5)	
	Curb clearance mm (in)	∞	
	Side clearance mm (in)	0	
ENGINE	Make	KUBOTA	
	Model	V3307 - DI - T - KDN (Interim Tier4)	V3307 - DI - T - E2B - RRSH1
	Type	Diesel, Water-cooled, 4cycle, 4cylinder with turbo charger	
	Displacement L (cu.in)	3.331 (203)	
	Rated output kW (HP)/min ⁻¹	55.4 (74) / 2,200	
	Electric system battery V (V/Ah x Qty)	12 (12 / 72 x 1)	
	Electric system alternator V/A	12 / 80	
POWER LINE	Transmission	Hydrostatic transmission	
	Type	Hydraulic	
	Drive wheel	All wheel	
BRAKE SYSTEM	Service (emergency)	Hydrostatic + SAHR / Brake Pedal	
	Parking	Spring-applied, hydraulically released type (SAHR) / Panel Button	
	Working (nominal)	Hydrostatic dynamic brake through drive system / F&R Lever	
STEERING SYSTEM	Type	Hydraulic type (Articulated)	
	Articulation / Oscillation (+/-) °	36 / 5.3	
FLUID CAPACITY	Fuel tank L (gal)	100 (26)	
	Hydraulic tank L (gal)	85 (22.5)	
	Sprinkler tank L (gal)	680(180)	

• 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 standards for R2-2 series.
- ※ Using low quality fuel may cause engine failure.

Standard Equipment :

- Instrument
- Gauges
- Scrapers for both directions
- Back up alarm
- Horn
- AWNING
- Sliding seat
- Head light
- Working light
- Turn signal lamp
- Mirrors
- Pressurized water sprinkler system
- Intermittent water spray timer

Optional Equipment :

- Rotary lamp
- 4 points lifting
- Seatbelt