



**R2-2**

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

### **High safety standards**

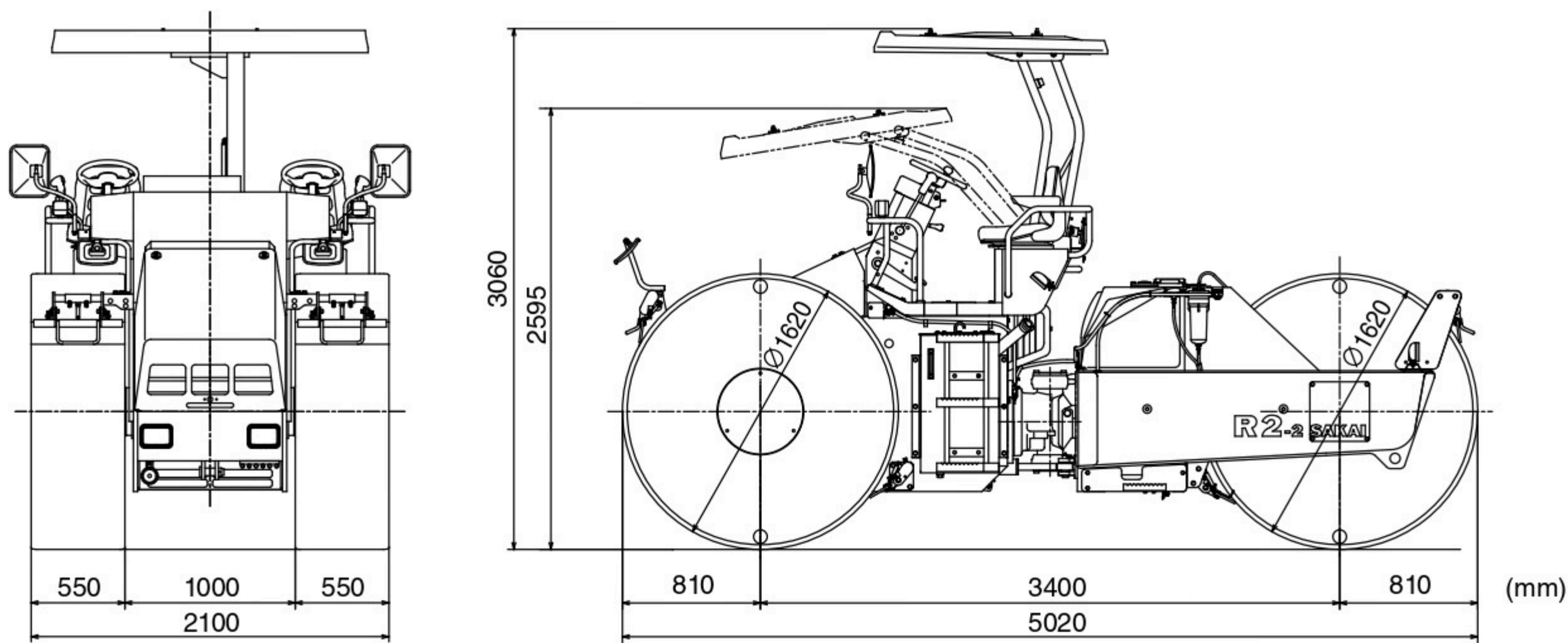
- 1 m × 1 m visibility.
- Emergency brake pedal is standard.

### **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.



# R2-2 R2-2K Series



TYPE			Static Three Wheel Roller	
MODEL			R2-2	R2-2K
CHASSIS MODEL			1R5	1R6
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 - RRS1
	Type		Diesel, Water-cooled, 4cycle, 4cylinder with turbo charger	
	Displacement	L (cu.in)	3.331 (203)	
	Rated output	kW (HP)/min <sup>-1</sup>	55.4 (74) / 2,200	
	Electric system battery	V (V/Ah×Qty)	12 (12 / 72 × 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.



www.baraputra.co.id

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