

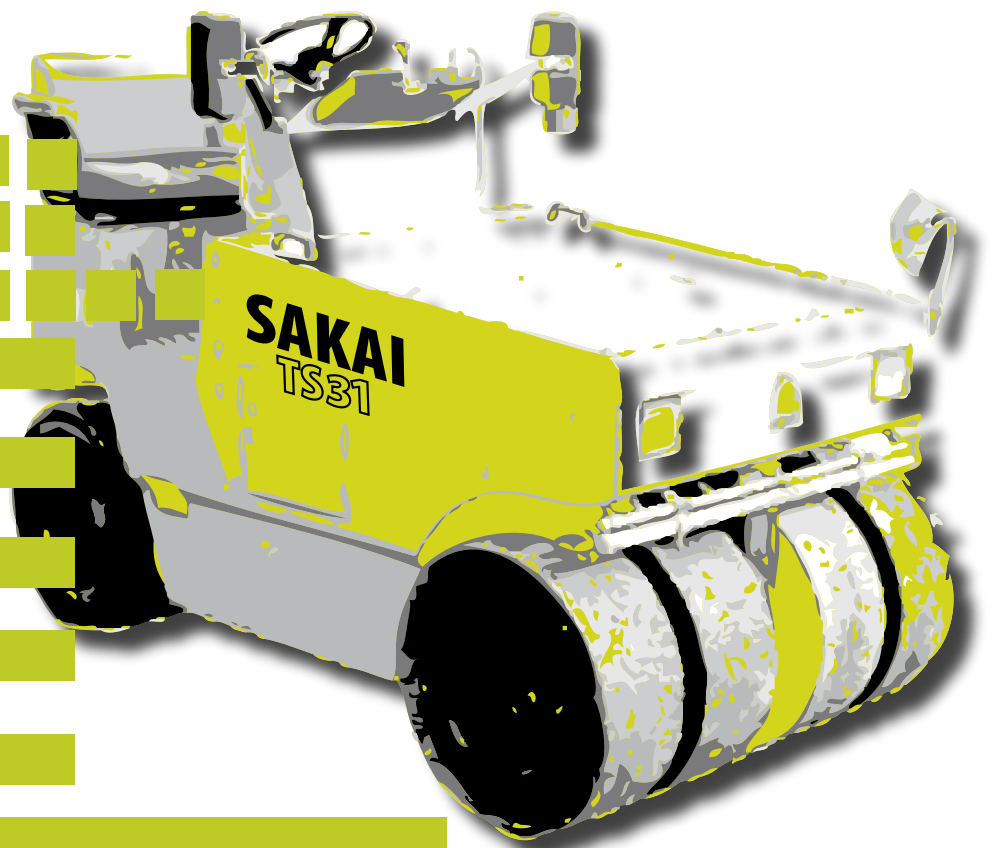
SPECIFICATIONS

MODELL & TYPE

SAKAI TS31

PNEUMATIC TIRED ROLLER

GUMMIRADWALZE



SAKAI

TS31

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ENGINE: KUBOTA D1105 - K3A

SPECIFICATIONS

1. MODEL & TYPE
2. MANUFACTURER

SAKAI TS31 PNEUMATIC TIRED ROLLER
SAKAI HEAVY INDUSTRIES, LTD

3. MASS

Gross	Approx.	3000 kg	(6615 lbs)
Load on front axle	"	1700 kg	(3750 lbs)
Load on rear axle	"	1200 kg	(2645 lbs)
Empty	"	2715 kg	(5985 lbs)
Load on front axle	"	1600 kg	(3525 lbs)
Load on rear axle	"	1115 kg	(2460 lbs)

4. LOAD ON EACH TIRE

Gross			
On front wheel	Approx.	425 kg	(935 lbs)
On rear wheel	"	400 kg	(880 lbs)
Empty			
On front wheel	"	400 kg	(880 lbs)
On rear wheel	"	372 kg	(820 lbs)

5. DIMENSIONS

Overall length	Approx.	2675 mm	(105,,)
Overall width	"	1300 mm	(51,,)
Overall height	"	1780 mm	(70,,)
Wheelbase	"	1900 mm	(75,,)
Rolling width	"	1300 mm	(51,,)
Ground clearance	"	200 mm	(7.9,,)

6. SPEEDS (Forward & Reverse)

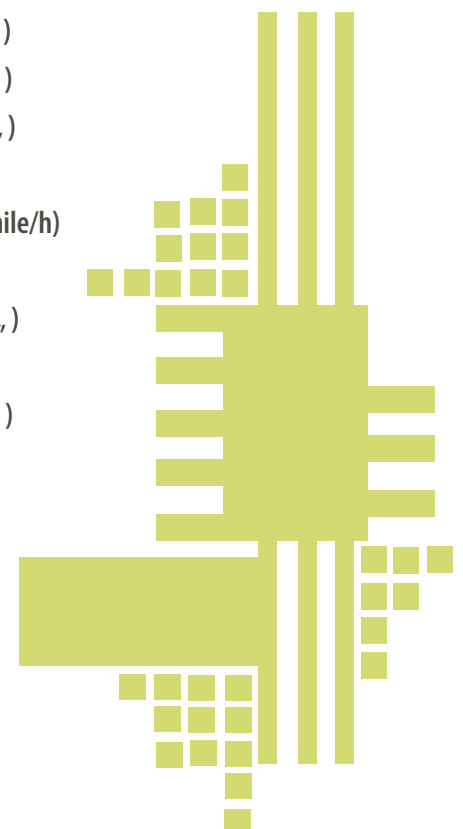
0 - 14 km/h (0 - 8.7 mile/h)

7. MIN. TURNING RADIUS (outer)

Approx. 3.9 m (154,,)

8. GRADABILITY

Approx. 70 % (35°)



SPECIFICATIONS

9. ENGINE

Model	KUBOTA	D1105 - K3A	Diesel Engine
Type	Water - cooled, 4 - cycle, 3 - cylinder in - line, vertical mounted, overhead valve, swirl combustion chamber type		
Bore X Stroke	78.0 mm X	78.4 mm	(3.071 „ X 3.087 „)
Displacement	1.123 liters	(68.5 cu.in)	
Performance	Rated speed	2300 min ⁻¹	
	Rated output	15.4 kW	(21 HP)
	Max. torque	69.8 N • m	(51.5 ft•lb)
		at	1600 min ⁻¹
Governor	Fly weight type		
Lubrication system	Pressure lubrication by gear pump		
Oil filter	Full - flow: paper		
Air cleaner	Dry type		
Cooling system	Centrifugal forced feeding system (pressure type)		
Cooling fan	Exhaling type		
Electrical system	Alternator	12 V	35 A
	Starter	12 V	1.4 kW
	Battery	12 V	80 Ah X

10. POWER LINE

Transmission	Typ	Hydrostatic transmission
	Speed	Stepless
Reverser	Switching the direction of flow delivered from the variable pump	
Final drive	Front	Spur gear

11. BRAKE SYSTEM

Service brake	Hydrostatic and mechanical , multi - wet disc type
Parking brake	Mechanical , multi - wet disc type

12. STEERING SYSTEM

Hydraulic type



SPECIFICATIONS

13. WHEELS

Use	Front wheels	4	Drive
	Rear wheels	3	Guide
Suspension	Front	Rigid	
	Rear	Swing	
Oscillation	Front	0 mm	
	Rear	± 55 mm	(± 2.2,,)
Tire size		9.5/65-15-6PR(OR), smooth tread	
Inflation	Available range	325 kPa	(47.1 lb/sq.in)
Overlap		Approx. 83 mm	(3.3,,)

14. WATER SPRINKLER SYSTEM

Pressurized type

15. LIQUID SPRAY SYSTEM

Pressurized type

16. FLUID CAPACITY

Cooling water	5.6 liters	(1.5 gal)
Fuel tank	36 liters	(9.5 gal)
Engine oil pan	4.1 liters	(1.1 gal)
Reduction gear case	1.6 liters	(0.4 gal)
Hydraulic oil tank	39 liters	(10.3 gal)
Sprinkler tank	185 liters	(49 gal)
Liquid tank	10 liters	(2.6 gal)

17. OTHERS

Instruments & lights 1 set

Remarks: Above specified numbers will be deviated within ±5%.



