

VIBRATORY PNEUMATIC TIRE ROLLER GV753



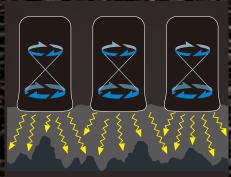






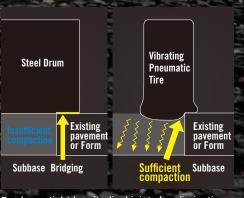
DYNAMIC KNEADING ACTION

- Four (4) amplitude settings to achieve the required density.
- High productivity on both large and small projects with the ability to maneuver in tight spaces on city streets, parking lots and cul-de-sacs.
- Density results achieved by the 9 ton GW753 are equal or higher than those of a 25 ton static tire roller.

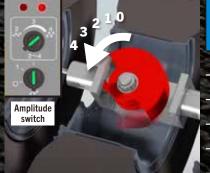


Creates bonding between new overlay pavement and old milled surface.

WORLD'S FIRST AND ONLY



Produces tight longitudinal joints by eliminating the bridging effect that normally occurs with steel drum rollers.



Schematic diagram of variable amplitude vibration.

Amplitude setting*	Amplitude	Centrifugal force	Equivalent compaction efforts to a static pneumatic tire roller	Applications and layer thickness
	mm	kN	ton	(Examples)
Static	0.0	0	= 9	0 1 1111
1	0.1	8	≥ 10	Overlays and thin HMA layers, less than 5 cm
2	0.3	25	≥ 15	
3	0.5	42	≥ 20	Binder and base course layers,
4	0.7	58	≥ 25	thicker than 5 cm

*The amplitude selected and number of roller passes should be reconfirmed by test section.



SAFETY

Upgraded to 180° rotating swivel seat

The operator's seat can be easily adjusted to 5 different degrees of rotation, comfort and rearward boosting its maneuverability.

SECURE STEPS

Additional 1 step to operator seat (3 steps in total)







GW750-2



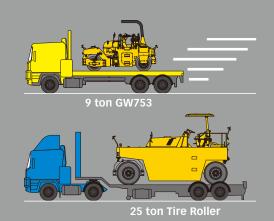
PERFORMANCE

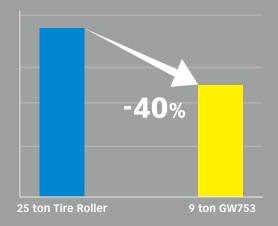
Saving in the trucking cost

Approximately 40% reduction of the trucking cost by using the GW753 compared with a 25 ton static tire roller.

Easier and faster to move to and from jobs due to lighter weight only 9 tons.

*Accumulated costs was used Japanese domestic data



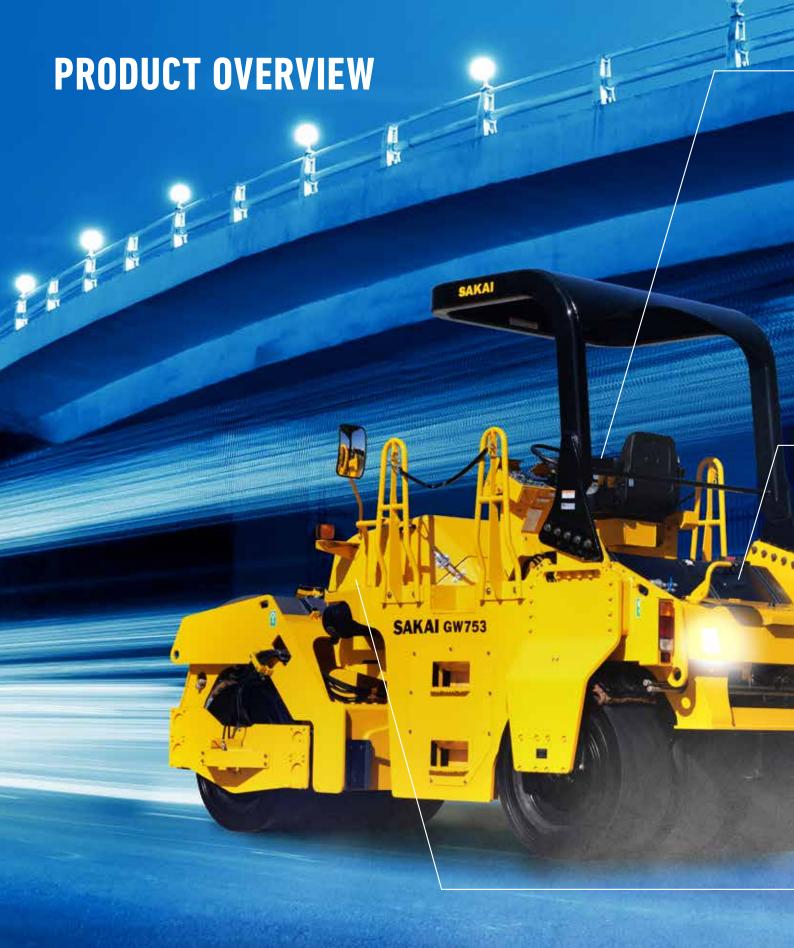


Center-pin articulated steering system

It ensures tire overlap when making turns (Up to 145 mm overlap between front and rear tires) and finishes HMA pavement smoothly.

The center-pin articulated steering system, enhanced maneuverability in tight spaces on city streets, in parking lots and along cul-de-sacs.





OPTION







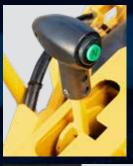


Deluxe seat

AWNING Additional handrail

BRAKE SYSTEM

- Service brake (dynamic brake) by FNR lever
- Emergency brake by brake pedal
 *This brake is used only for EMERGENCY.
- Parking brake by panel button
- Auto-stop in case of failure engine and/or hyd. system







WATER SPRINKLER SYSTEM

- Plastic water tank (front-280L & rear-450L)
- Intermittent spray timer for the right timing
- Stainless spray bars
- Brass quick mount nozzle with filter

RELEASE AGENT SPRAY SYSTEM

- Plastic tank (Approx.20L)
- Stainless spray bars
- Brass quick mount nozzle with filter
- Spray adjusting valves





EASY ACCESS

• Side doors accessible from the ground

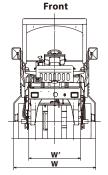


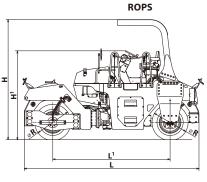
• Fully opened engine hood

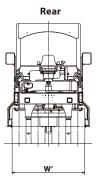


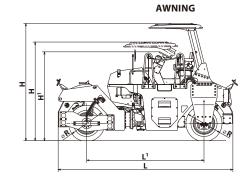


GW753









MODEL GW753 with ROPS GW753 with AWNING	TYPE		Vibratory Pneumatic Tire Roller			
WHIGHTS Max. operating weight Ng (lbs) 9,80 (20,195) 8,915 (19,655)	MODEL		·			
Operating weight	CHASSIS MODEL					
Operating weight	WEIGHTS	Max. operating weight	kg (lbs)	9,160 (20,195)	8,915 (19,655)	
Load on front axide - operating weight						
Load on rear axide - operating weight May Mibb) Mibb) May Mibb) Mibb) May Mibb) Mibb				, , , ,	, , , ,	
PERFORMANCE Centrifugal force (Front 1/2/3/4) KN (lbs) [kgf] 6 / 19 / 32 / 45 (1,350 / 4,270 / 7,195 / 10,115) [610 / 1,940 / 3,265 / 4,590] KN (lbs) [kgf] 6 / 19 / 32 / 45 (1,350 / 4,270 / 7,195 / 10,115) [610 / 1,940 / 3,265 / 4,590] KN (lbs) [kgf] 7 / 25 / 42 / 58 (1,800 / 5,200 / 9,440 / 13,040) [815 / 2,550 / 4,880 / 5,915] Frequency 4 / 25 / 42 / 58 (1,800 / 5,200 / 9,440 / 13,040) [815 / 2,550 / 4,880 / 5,915] KN (lbs) [kgf] 7 / 25 / 24 / 25 (1,800 / 5,200 / 9,440 / 13,040) [815 / 2,550 / 4,880 / 5,915] KN (lbs) [kgf] 7 / 25 / 25 / 25 / 25 (1,800 / 5,200 / 9,440 / 13,040) [815 / 2,550 / 4,880 / 5,915] KN (lbs) [kgf] 7 / 25 / 25 / 25 / 25 / 25 / 25 / 25 /		. 5 5				
Centrifugal force (Rear 1 / 2 / 3 / 4)	PERFORMANCE	. 3 3		6 / 19 / 32 / 45 (1,350 / 4,270 / 7,195 / 10,115) [610 / 1,940 / 3,265 / 4,590]		
Frequency						
Amplitude (1/2/3/4) mm (in)						
Number of speed shifts Speed range (L/H)		_ · · ·		· · · · · · · · · · · · · · · · · · ·		
Speed range (L / H)						
Gradeability Grad		· · · · · · · · · · · · · · · · · · ·	km/h (mnh)			
Turning radius compacted surface (inside / outside)		·			<u> </u>	
DIMENSIONS Overall length L mm (in) (4,695 (185) Overall width W mm (in) (2,200 (87) Overall width W mm (in) (2,300 (87) Overall height (without ROOFS)H' mm (in) (2,300 (94) Overall height (with ROOFS)H mm (in) (3,255 (127) fold-2,650 (104) / unfold:3,150 (124) Overall height (with ROOFS)H mm (in) (3,255 (127) fold-2,650 (104) / unfold:3,150 (124) Overall height (with ROOFS)H mm (in) (3,305 (124) Overall height (with ROOFS)H Roof Roof Roof Roof Roof Roof Roof Ro				. ,		
Overall width W	DIMENSIONS					
Overall height (without ROOFS)H¹ mm (in) 2,399 (94)	DIMENSIONS			<u> </u>		
Overall height (with ROOFS)H					<u> </u>	
Wheelbase L¹				<u> </u>	• •	
Compaction width W' (Front / Rear) mm (in) 1,390 (55) / 1,950 (77)						
Tire size x Number of tires (Front / Rear)						
Inflation (each wheels) KPa (psi) 441 (63.9)			mm (in)			
Ground clearance						
Curb clearance mm (in) 244 (9.7) Side clearance mm (in) 125 (5) ENGINE Make KUBOTA Model V3800DICR-TIE3B-SH1 Type Diesel, water cooled, 4 cycle, 4 cylinder, with turbo charger Displacement L (cu.in) 3.769 (230.0) Rated output kW (HP)/min-1 80.8 (108) / 2,400 Electric system battery V/V /Ahx Qty 12 (12 / 72 x 2) Electric system alternator V/A 12 / 130 DRIVE SYSTEM Power transmission type Hydrostatic Drive wheel All wheel VIBRATION SYSTEM Power transmission type Hydraulic Number of amplitude 4 4 Vibrator type Vibrator type Variable eccentric shaft BRAKE SYSTEM Service brake Dynamic brake through hydrostatic drive system / F-N-R lever Secondary brake (Emergency brake) Hydrostatic + Spring applied hydraulically released type (SAHR) / Brake pedected by the complex of the compl				, ,		
Side clearance						
RIGINE Make				<u> </u>		
Model V3800DICR-TIE3B-SH1 Type			mm (in)			
Type	ENGINE					
Displacement L (cu.in) Rated output kW (HP)/min-1 B0.8 (108) / 2,400 Electric system battery V (V / Ah x Qty) Electric system battery V (V / Ah x Qty) Electric system alternator V/A DRIVE SYSTEM Power transmission type Drive wheel Vibrator type Vibrator type BRAKE SYSTEM Service brake Secondary brake (Emergency brake) Parking brake STEERING SYSTEM FLUID CAPACITY Fuel tank Hydraulic oil tank Water Sprinkler tank (Front / Rear) L (gal) AW (HP)/min-1 80.8 (108) / 230.0) 3.769 (230.0) 3						
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Hydraulic oil tank L (gal) 90 (23.8) Water Sprinkler tank (Front / Rear) L (gal) 280 (74) / 450 (118.9)		Articulation / Oscillation angle	± (°)	36.7 / 6.5		
Water Sprinkler tank (Front / Rear) L (gal) 280 (74) / 450 (118.9)	FLUID CAPACITY	Fuel tank	L (gal)	130 (34.3)		
		Hydraulic oil tank	L (gal)	90 (2	90 (23.8)	
Liquid spray tank L (gal) 19 (5)		Water Sprinkler tank (Front / Rear)	L (gal)	280 (74) / 4	1 50 (118.9)	
		Liquid spray tank	L (gal)	19	(5)	

- 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.
 The photos may contain optional equipment and/or attachment.

Standard Equipment:

- Instrument panel Gauges Backup alarm Horn Comfort seat
- Front-facing working lights Rear-facing working lights
- Turn signal lamp Hazard lamp Mirrors
- Pressurized water sprinkler system Intermittent water spray timer
- Release agent spray system
 Cocomat
 Accessory socket(12V)
- 4 points lifting Vandalism protections ECO Mode

Optional Equipment:

■ ROPS ■ AWNING ■ Additional handrail ■ Deluxe seat

ISO9001 certified Tokyo Head Office, Tokyo Factory, Global Service Division, Technical Development Division.

SAKAI HEAVY INDUSTRIES, LTD.

HEAD OFFICE: 1-9-9, SHIBA DAIMON, MINATO-KU, TOKYO JAPAN

TELEPHONE: +81-3-3431-9971 FACSIMILE: +81-3-3436-6212