

GW751





vibrating tire roller

The world's first vibrating tire roller that meets all compaction needs

Conforms to the 2012 exhaust gas regulations for road transportation vehicles Conforms to the 2011 Standards of the Off-Road Law

ÿMuffler integrated DPF adoption

Equipped with ECO mode

ÿUp to 30% improvement in fuel efficiency (compared to our conventional model)

ÿ8 dB lower than the low noise standard

Improved maintainability

ÿDisplays the amount of soot deposited on the DPF meter

ÿDPF regeneration possible

ÿ Extended engine oil change interval

ÿResin tank with filter, stainless steel pipe,

Equipped with metal one-touch nozzle with filter as standard equipment



Standard Compliant Vehicle





We provide reliable products and services to you.

the beginning of the world

on pneumatic tires

Uses a variable amplitude vibration mechanism



Reduction of transportation costs and environmental load (CO2)

• Transportation costs can be reduced by approximately 40% compared to large tire rollers. increase.

*According to our company's estimation data

*Each calculated value varies greatly depending on the type of business and other factors

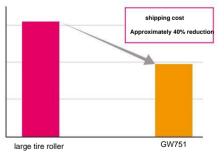
• Compared to large tire rollers, CO2 emissions during construction can be reduced.

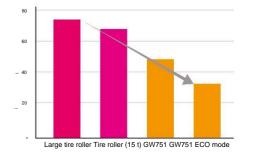
increase.

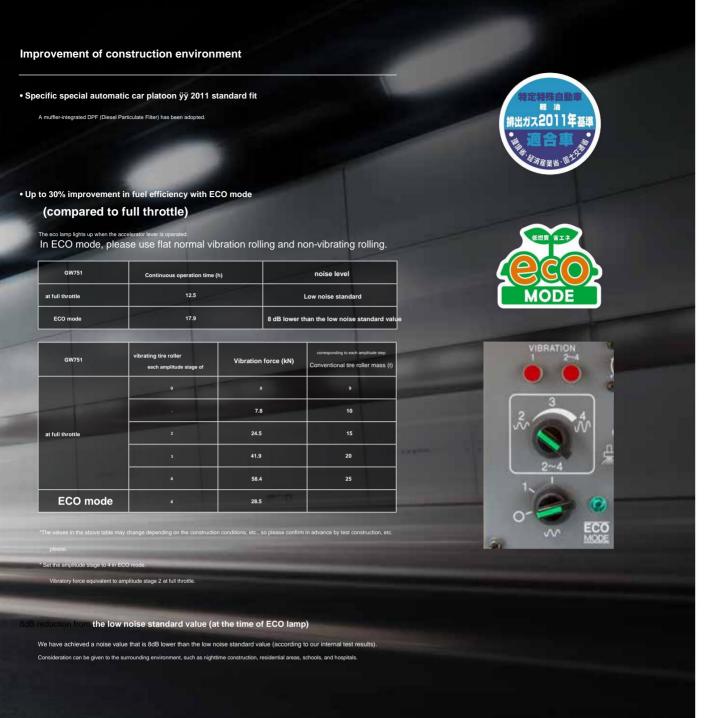
Based on the calculation formula based on the fuel method (based on our construction efficiency prediction in the table below).

*Each calculated value varies greatly depending on construction conditions and other factor

type name	Construction time (h) per 2,000m2 per day	Fuel consumption (L) per 2,000 m2 per day	
Large tire roller (25t)	3.64	28.7	
Tire roller (15t)	3.64	25.8	
GW751	1.55	17.3	
GW751 ECO mode	1.55	12.1	







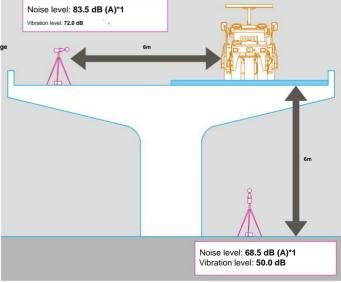
Achieving low noise (vibration) construction

Shadows of noise and vibration on the lower part of the bridge during construction of the upper part of the bridge

There is almost no sound.

- At the lower part of the bridge, the noise regulation standard for specific construction work (85 dB (A)) and and the vibration regulation standard (75dB).
- "Work noise and vibration levels are based on bridge shape and structure, bridge height, and construction conditions. etc. varies greatly.





Bridge length about 60m, bridge width about 10m Measurement example during construction

1 Values are conversion values at the side of the machine and 6m directly below.

Improved maintainability

Use of DPF meter

DPF meter: You can check the amount of soot accumulated. Auto regeneration

lamp (green): Lights up during automatic regeneration Manual regeneration

request lamp (orange): Flashes when manual regeneration is required Manual regeneration

switch

: Press for manual playback



Equipped as standard with a rust-free sprinkler system and liquid spray device

(1) Since the water spray and liquid agent tank are made of resin, there is no rust. In addition, each tank is equipped with a filter to remove foreign matter from the outside. ÿTo clean the sprinkler filter, simply turn the cleaning lever. There is no need to attach or detach the filter case. (3) The one-touch watering/liquid nozzle is easy to install and remove, no tools required.

The nozzle is also equipped with a filter to prevent clogging.

*Neppalan is recommended for the liquid agent (anti-adhesion agent).

*The water tank is equipped with a level gauge.



Equipped with an easy-to-replace watering palm mat as standard equipment

One-touch attachment and detachment of the watering palm mat to the mat holder. In addition, since the mounting part is made of rubber, the sprinkling palm mat fits well on the tire.



Standard equipment of intermittent watering system

By setting the intermittent watering time with a single switch, watering can be performed at the optimum timing and prevents the asphalt mixture from adhering to the tire surface.



Machine Translated by Google

Improving construction quality

• By adopting an articulated frame, there is no unfinished step on curved sections.

The amount of overlap between

the front and rear tires is 95 to 145mm.

By adopting front and rear wheel drive system and automatic adjustment
 differential mechanism, extrusion and dragging of asphalt mixture are suppressed.

suppressed.

Improved convenience

• Equipped with accessory socket (24V) as standard equipment

It is easy to take out the power supply.



Equipped with a back buzzer off switch as standard equipment

Consideration can be given to the surrounding environment, such as nighttime construction, residential areas, schools, and hospitals

Caution: When reversing, make sure that there are no people in the direction of travel before starting work.

when.



Improved safety

• Equipped with 3 brake systems as standard

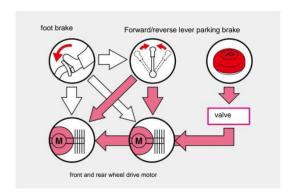
	Applicable	action department	brake system		
Working brake Norma	Forward/reve	rse lever	Hydrostatic (HST)		
Traction brake Emergency brake pedal Hydrostatic (HST) + mechanical wet multi-plate type					
Parking brake When p	arking Panel	putton	mechanicalwetmulti-plate		

A safety system that activates a mechanical wet multi-plate brake when the engine is stopped.

We are hiring mu.

Standard equipped with engine start safety device

The engine will only start when the forward/reverse lever is in neutral and the parking brake switch is engaged.

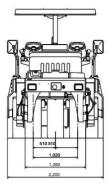


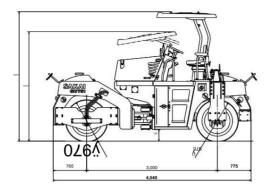
エンジン始動は、駐車ブレーキを作動させ、 前後進レバーをニュートラル®の位置にして、 始動させて下さい。

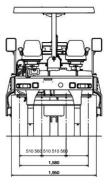
Good visibility from left and right driver's seats

Since the driver's seat is located on the left and right, compaction work at the construction end can be done safely.









Unit: mm

Outline specifications

Model			vibrating tire roller	
	Model name (nominal model)		GW751	
Stamped model (chassis model)			1GW3	
Mass Ope	rating mass	kg	9,000	
	Machine mass	kg	8,440	
	Front axle mass (at operating mass)	kg	3,840	
	Rear axle mass (at operating mass)	kg	5,160	
Performan	ce Vibratory force (1 / 2 / 3 / 4)	kNÿkgfÿ	7.8 / 24.5 / 41.9 / 58.4ÿ795 / 2.498 / 4.273 / 5,955ÿ	
	Vibration	Hzÿvpmÿ	40ÿ2,400ÿ	
	frequency Amplitude (1 / 2 / 3 /	mm	0.1/0.3/0.5/0.7	
	4) Speed	<u></u>	3	
		section km/h	0ÿ3/0ÿ6/0ÿ9	
	stage Working speed (1 / 2 / 3)	-		
	Hill-climbing	ÿÿ °ÿ	38)219 5.4	
	ability Minimum turning radius (based on outer ring)	m		
Dimensio	ns	mm	4,540	
		mm	2,200	
	Overall length Overall width Overall	mm	2,975ÿ2,515ÿ	
	height	mm	3,000	
	(when	mm	1,950	
	canopy is folded) Wheelbase		Front: 14/70 - 20 - 12PR (OR) x 3 / Rear: 14/70 - 20 - 12PR (OR) x 4	
	Compaction width Tire size x number (front/rear) Tire	pressure (per tire)	450ÿ4.5ÿ	
	kPa (kgf/cm²)	mm	265	
	Minimum ground clearance	mm	245	
	Curve clearance Side	mm	125	
clearance	Engine	-	KUBOTA	
			V3800 - CR - TI - WDR	
		-	Diesel, water-cooled 4-stroke, common rail, with turbocharger	
	Manufacturer	L L	3.769	
	Model Model	kWÿPSÿ/min-¹	80.8ÿ109.9ÿ / 2,400	
	Total	V (V/Ahxpcs)	24ÿ12 / 80 x 2ÿ	
	stroke Capacity	V/A	24/80	
	Rated output Storage battery Charging	L/h	11.2	
nerator Fuel	Kaled output Storage battery Charging	<u> </u>	hydrostatic transmission	
nerator ruei	consumption		hydrostatic	
		*	ilyotosiaid ali round	
-	(net: no	<u> </u>		
) Transmissio	1	¥	hydrostatic 4	
		A	<u> </u>	
	n	<u> </u>	Uniaxial eccentricity, variable type	
ansmission Dri	ve system Drive wheel		Hydrostatic (HST) brake / forward/reverse lever	
	Vibrator Type Amplitude stage	<u> </u>	Hydrostatic (HST) brake + mechanical wet multi-plate brake / brake pedal	
	Vibrator Braking device Work		Mechanical wet multi-plate brake / panel button	
ake (normal) T	ravel		hydraulic	
	brake (emergency)	±*	37/6.0	
ing brake (Wh	en parked) Steering device Type Steering angle / rock	ng angle Tank capacity Fuel tank	130	
	Hydraulic oil tank	L	64	
	Sprinkle tank	L	280x2	
		(0)		

- Operating mass is calculated with a flut little fairs and a flut water spray fat.
 This specification is subject to change without notice for performance and
 This display unit is the SI unit based on the International System of Units.
 The operating mass includes the canopy mass.

^{*}Using other than the appropriate fuel may cause a significant deterioration in performance or malfunction.



Sakai Heavy Industries Co., Ltd. has a quality management system We have obtained ISO9001 certification.



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Global Service Department TEL 0480-52-1111 Training Center TEL 0480-52-6964

•Pawl •Tool set •Manuals •Canopy •Liquid agent spray device

•Sprinkling palm mat •Sprinkling timer •Accessory socket (24V)

option

- Michal set - Seat belt

 \bar{y} Security standards for road transportation vehicles (large special vehicle v Regulations concerning the designation of low-noise construction machiner

ÿ Act on Regulation of Exhaust Emissions from Specified Special Motor Vehicles

In order to operate rollers, it is compulsory to take "special education related to roller operation work".