

SAKAI®

GW750 GW750-2

Asphalt Roller



World's First and Only VIBRATORY PNEUMATIC TIRED ROLLER

**A 9 ton vibratory pneumatic tired roller
equal or exceeding the compaction results
of a 25 ton tired roller**

**Versatility with compact size and high
compaction performance**

Improves Compaction Quality and Efficiency

- Dynamic kneading action produces more uniform compaction from top to bottom of the pavement layer
- Versatility on both large and small projects for tight and dense longitudinal joints, hot mix asphalt (HMA), aggregate base, roller compacted concrete and warm- and cold-mixes, etc.
- Maneuverable in tight spaces on city streets, parking lots and cul-de-sacs by center-pin articulated steering
- All wheel drive system to minimize shoving of HMA mix

High Safety Standards

- 1m x 1m visibility
- Emergency brake pedal is standard

Cost Saving

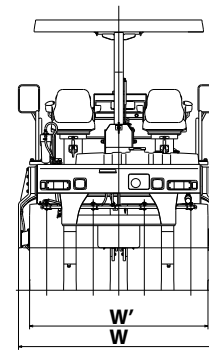
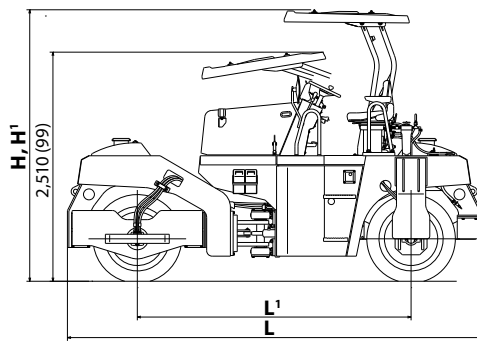
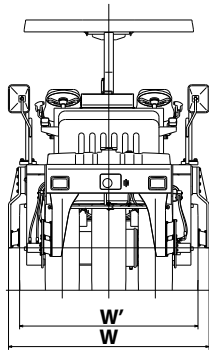
- Savings in trucking and fuel costs with lighter weight and efficient compaction

**SERVICE
HOTLINE**

If you need any technical or service parts support on our products,
please contact this web page.

www.sakainet.co.jp/english/

GW750 GW750-2



mm (in)

TYPE		Vibratory Pneumatic Tired Roller		
MODEL		GW750	GW750-2	
CHASSIS MODEL		VGW1	1GW2	
WEIGHTS	Max. operating weight with AWNING	kg (lbs)	9,040 (19,930)	
	Max. operating weight with ROPS CANOPY	kg (lbs)	9,280 (20,460)	
	Operating weight with AWNING	kg (lbs)	8,700 (19,185)	
	Shipping weight with AWNING	kg (lbs)	8,300 (18,300)	
	Load on front axle - operating weight with AWNING	kg (lbs)	3,710 (8,180)	
	Load on rear axle - operating weight with AWNING	kg (lbs)	4,990 (11,005)	
PERFORMANCE	Centrifugal force (Front 1/2/3/4)	kN (lbs)	6 / 19 / 32 / 45 (1,345 / 4,270 / 7,190 / 10,115)	
	Centrifugal force (Rear 1/2/3/4)	kN (lbs)	8 / 25 / 42 / 58 (1,750 / 5,505 / 9,415 / 13,125)	
	Frequency	Hz (vpm)	40 (2,400)	
	Amplitude (1/2/3/4)	mm (in)	0.10 / 0.31 / 0.53 / 0.74 (0.004 / 0.012 / 0.021 / 0.029)	
	Number of speed shifts		3	
	Speed range (1/2/3)	km / h (mph)	5 / 7 / 12 (2.8 / 4.3 / 7.5)	
	Gradeability	% (°)	38 (20)	
DIMENSIONS	Turning radius compacted surface (inside / outside)	m (in)	3.8 / 5.4 (150 / 213)	
	Overall length L	mm (in)	4,540 (179)	
	Overall width W	mm (in)	2,200 (87)	
	Overall height at the top of steering wheel	mm (in)	2,185 (86)	
	Overall height (with AWNING) H	mm (in)	2,975 (117)	
	Overall height (with ROPS) H'	mm (in)	3,035 (119)	
	Wheelbase L'	mm (in)	3,000 (118)	
	Compaction width W'	mm (in)	1,950 (77)	
	Tire size x Number of tires (Front / Rear)		14 / 70 - 20 - 12 PR (3/4)	
	Inflation (each wheels)	kPa (psi)	441 (63.9)	
	Ground clearance	mm (in)	265 (10)	
	Curb clearance	mm (in)	245 (10)	
	Side clearance	mm (in)	125 (5)	
ENGINE	Make & Model	ISUZU "DD-4BG1T" Tier2 : equivalent ISUZU "4JJ1XDIA" Tier3 : equivalent		
	Type	Diesel, water-cooled, 4-cycle, 4-cylinder inline, with turbo charger		
	Displacement	L (cu.in)	4.329 (264.2) 2.999 (183.0)	
	Rated output	kW (HP)/min ⁻¹	78.8 (106) / 2,300 92.0 (123) / 2,200	
	Electric system battery	V (V / Ah x Qty)	24 (12 / 80Ah x 2)	
	Electric system alternator	V/A	24 / 50	
DRIVE SYSTEM	Power transmission type	Hydrostatic		
	Drive wheel	All wheel		
VIBRATION SYSTEM	Power transmission type	Hydraulic		
	Number of amplitude	4		
	Vibrator type	Variable eccentric shaft		
BRAKE SYSTEM	Service brake	Dynamic braking through hydrostatic drive system / FNR lever		
	Secondary brake (Emergency brake)	Hydrostatic + Spring applied hydraulically released type (SAHR) / Brake pedal		
	Parking brake	SAHR / Panel button		
STEERING SYSTEM	Power transmission type	Hydraulic		
	Articulation / Oscillation angle	± (°)	37 / 6	
FLUID CAPACITY	Fuel tank	L (gal)	130 (34.3)	
	Hydraulic oil tank	L (gal)	65 (17.2)	
	Water Sprinkler tank	L (gal)	280 (73.97) x 2	

- Max. operating weight : 100 % fuel, 100 % water, operator 75 kg
- Operating weight : 50 % fuel, 50 % water, operator 75 kg
- 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 %.

* Using low quality fuel may cause engine failure.

Standard Equipment :

- AWNING ● Instrument panel ● Gauges ● Backup alarm ● Horn
- Working lights ● Pressurized water sprinkler system
- Intermittent water spray timer ● Release agent spray system

Optional Equipment :

- ROPS CANOPY ● Cocomat ● 4 points lifting hook



SAKAI HEAVY INDUSTRIES, LTD. obtain the certification of quality management system ISO9001.

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