

SAKAI®

GW751

Asphalt Roller



World's First and Only Vibratory Pneumatic-Tire Roller

**A 9 ton vibratory pneumatic-tire roller
exceeding the compaction results
of a 25 ton tire 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, warm-mix, cold mix, 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

Cost saving

- Savings in trucking and fuel costs with lighter weight
- Top to bottom compaction reduces effort needed to achieve compaction

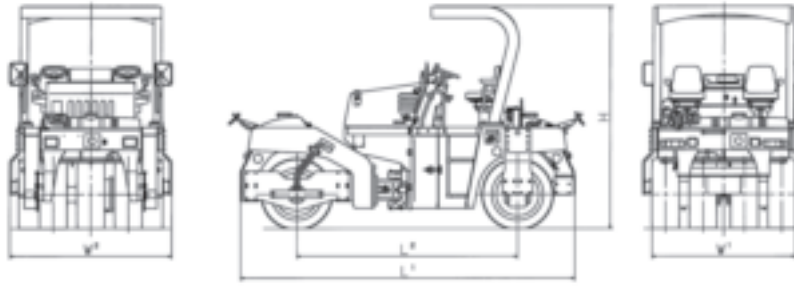
High safety standards

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

www.sakaiaamerica.com

Options shown. Contact your dealer for details.

GW751



TYPE		Vibratory Pneumatic-Tire Roller	
MODEL		GW751	
CHASSIS MODEL		1GW3	
MASS	Operating mass	kg(lbs)	8,930 (19,690)
	Load on front axle (with Operating mass)	kg(lbs)	3,810 (8,400)
	Load on rear axle (with Operating mass)	kg(lbs)	5,120 (11,290)
PERFORMANCE	Centrifugal force (Front tire)(1/2/3/4)	kN(lbs) kgf	6 / 19 / 32 / 45(1,345 / 4,270 / 7,190 / 10,115) [610 / 1,940 / 3,265 / 4,590]
	Centrifugal force (Rear tire)(1/2/3/4)	kN(lbs) kgf	8 / 25 / 42 / 58(1,750 / 5,505 / 9,415 / 13,125) [815 / 2,550 / 4,280 / 5,915]
	Frequency	Hz(vpm)	40 (2,400)
	No. of amplitude		4
	Amplitude (1/2/3/4)	mm(in)	0.10 / 0.31 / 0.53 / 0.74 (0.004 / 0.012 / 0.021 / 0.029)
	No. of speeds		4
	Speed range (1/2/3/4)	km/h(mph)	0-3 / 0-6 / 0-9 / 0-12 (0-1.9 / 0-3.7 / 0-5.6 / 0-7.5)
	Gradeability	%(°)	38 (20)
DIMENSIONS	Outside turning radius	m(in)	5.4 (213)
	Overall length L ¹	mm(in)	4,540 (179)
	Overall width W ²	mm(in)	2,200 (87)
	Overall height (without ROPS)	mm(in)	2,185 (86)
	Overall height (with ROPS) H	mm(in)	2,975 (117)
	Wheelbase L ²	mm(in)	3,000 (118)
	Compaction width W ¹	mm(in)	1,950 (77)
	Tire size		14/70-20-12PR
	No. of tires (F / R)	pcs.	3 / 4
	Inflation pressure	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			V3800-CR-TI-WDR
EPA emission standard			EPA Interim Tier 4
Type			Diesel, water cooled, 4 cycle, 4 cylinder
Displacement		L(cu.in)	3.769 (230.0)
Rated output		kW(HP)/min ⁻¹	80.8 (108) / 2,400
Electric system battery		V(V/Ah×Qty)	24 (12 / 80×2)
Electric system alternator		V/A	24 / 80
DRIVE SYSTEM	Transmission type		Hydrostatic
	Differential type		Hydraulic
	Drive wheel		All wheel
VIBRATION SYSTEM	Power transmission type		Hydraulic
	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 pedal
	Parking brake		SAHR / Panel button
STEERING SYSTEM	Type		Hydraulic(Articulated)
	Steering / Oscillating angle	±(°)	37 / 6.0
FLUID CAPACITY	Fuel tank	L(gal)	130 (34.3)
	Hydraulic oil tank	L(gal)	64 (16.9)
	Water sprinkler tank	L(gal)	280 (73.97)×2

Operating mass : Fuel=50%, Water=50%, Operator=75kg
 Specifications are subject to change without notice.
 Above specified numbers could be deviated within ±5%.
 All units are SI units. Inside of () is for reference units.
 The photos may contain optional equipment and/or attachments.

Optional equipment

- Work lights • Rotary beacon • Cocoa mat • Rotating seat
- Skirt kit • Temp. Sensor



SAKAI AMERICA, INC.
(800) 323-0535

90 INTERNATIONAL PARKWAY, ADAIRSVILLE, GEORGIA 30103