

**SAKAI®**

# GW754

Asphalt Roller



**GW754**

## **World's First and Only Vibratory Pneumatic-Tire Roller**

**A 9 ton vibratory pneumatic-tire roller equals or exceeds the compaction results of a 25 ton heavy pneumatic 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 and warm-mix and 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

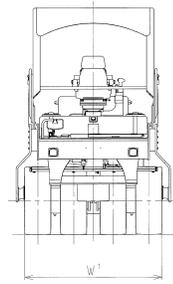
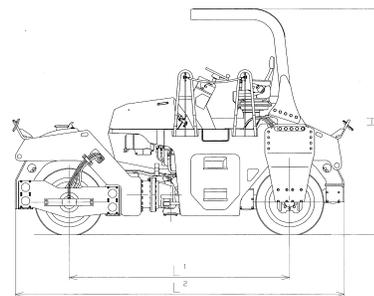
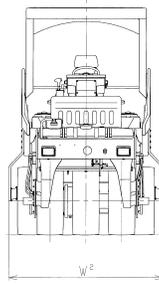
#### **High safety standards & Operator comfort**

- 39 inches of visibility to the front and rear from operator seat
- Emergency brake pedal is standard
- 3 inch retractable seat belt
- Multi - position operator station (MPOS) (5 positions)
- 180°easy rotating operator console with a cup holder

#### **Cost saving**

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

# GW754



TYPE			Vibratory Pneumatic-Tire Roller		
MODEL			GW754		
CHASSIS MODEL			1GW4		
<b>WEIGHTS</b>	Max. operating weight with ROPS	kg (lbs)	9,270 (20,435)		
	Operating weight with ROPS	kg (lbs)	8,850 (19,510)		
	Load on front axle - operating weight with ROPS	kg (lbs)	3,680 (8,115)		
	Load on rear axle - operating weight with ROPS	kg (lbs)	5,170 (11,395)		
<b>PERFORMANCE</b>	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]		
	Centrifugal force (Rear 1 / 2 / 3 / 4)	kN (lbs) [kgf]	8 / 25 / 42 / 58 (1,800 / 5,620 / 9,440 / 13,040) [815 / 2,550 / 4,280 / 5,915]		
	Frequency	Hz (vpm)	40 (2,400)		
	Amplitude	mm (in)	0.10 / 0.31 / 0.53 / 0.74 (0.004 / 0.012 / 0.021 / 0.029)		
	Number of speed shifts		2		
	Speed range (L / H)	km/h (mph)	0-6 / 0-12 (0-3.7 / 0-7.5)		
	Gradeability	% (°)	37 (20)		
<b>DIMENSIONS</b>	Turning radius compacted surface (inside / outside)	m (in)	3.8 / 5.7 (150 / 225)		
	Overall length L <sup>2</sup>	mm (in)	4,695 (185)		
	Overall width W <sup>2</sup>	mm (in)	2,200 (87)		
	Overall height (without ROPS)	mm (in)	2,390 (94)		
	Overall height (with ROPS) H	mm (in)	3,225 (127)		
	Wheelbase L <sup>1</sup>	mm (in)	3,150 (124)		
	Compaction width W <sup>1</sup>	mm (in)	1,950 (77)		
	Tire size x Number of tires (Front / Rear)		14/70-20-12PR x 3 / 14/70-20-12PR x 4		
	Inflation (each wheels)	kPa(psi)	441 (63.9)		
	Ground clearance	mm (in)	275 (10.8)		
	Curb clearance	mm (in)	244 (9.7)		
	Side clearance	mm (in)	125 (5)		
	<b>ENGINE</b>	Make		KUBOTA	
		Model		V3800-CR-TI-EV03	
EPA emission standard			EPA Tier 4		
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	81.8 (110) / 2,400		
Electric system battery		V (V/CCA x Qty)	12 (12 / 750 x 2)		
Electric system alternator		V/A	12 / 80		
<b>DRIVE SYSTEM</b>	Power transmission type		Hydrostatic		
	Drive wheel		All wheel		
<b>VIBRATION SYSTEM</b>	Power transmission type		Hydraulic		
	Number of amplitude		4		
	Vibrator type		Variable eccentric shaft		
<b>BRAKE SYSTEM</b>	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		
<b>STEERING SYSTEM</b>	Power transmission type		Hydraulic		
	Articulation / Oscillating angle	± (°)	36.7 / 6.5		
<b>FLUID CAPACITY</b>	Fuel tank	L (gal)	130 (34.3)		
	Hydraulic oil tank	L (gal)	90 (23.8)		
	Water sprinkler tank (Front / Rear)	L (gal)	280 (74) / 450 (118.9)		
	DEF tank	L (gal)	20 (5.3)		

- 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.
- Max. operating weight : Fuel=100%, Water=100%, Operator=75kg
- Operating weight : Fuel=50%, Water=50%, Operator=75kg
- The photos may contain optional equipment and/or attachment.

#### Optional equipment

- Work lights
- Rotary beacon
- Cocoa mat
- Skirt kit
- Temp. sensor