SAKAI

MASTERS OF COMPACTION

Reliable. Easy-to-Use. Durable.

HEAVY EQUIPMENT PRODUCT GUIDE

SakaiAmerica.com

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VIDEOS

ABOUT SAKAI AMERICA VIDEO

Learn about SAKAI's history in the USA, hear from our leadership, visit our manufacturing plant, learn about our machines, hear from customers and dealers, and see a featured paving job.

ND Oscillation Video

In this video, we demonstrate the difference between oscillation and normal vertical vibration. SAKAI's ND Series are capable of switching between the two compaction technologies on the fly, in both drums.

SV544 Walkaround Video

We show the features and benefits of our flagship soil compactor.

SW884/SW994 Walkaround Video

We show the features and benefits of our flagship asphalt roller.

SW774 Walkaround Video

View the features and benefits of our SW774 asphalt roller.

Compaction Basics

Unlike static rollers that depend on the weight of the machine to generate the forces required to compact materials, SAKAI vibratory and oscillating rollers introduce dynamic forces that help to generate a high compaction effect with far less effort and cost.

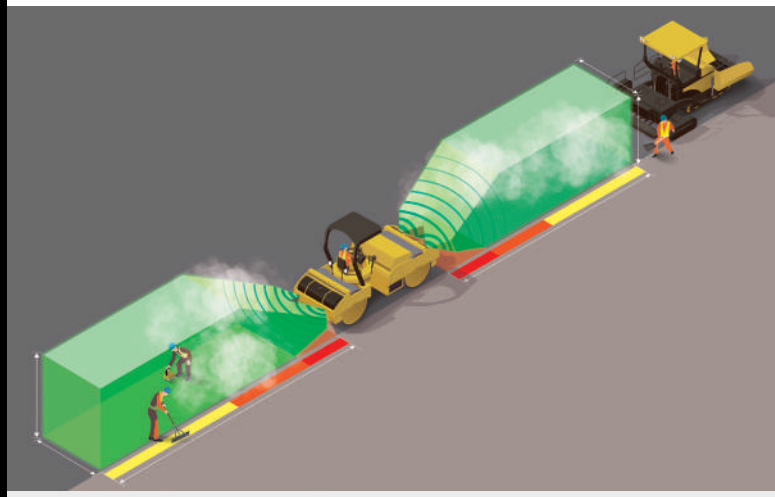
These dynamic forces are created by rotating one, or several off-balanced weights connected to shafts within a steel compacting drum. During vibration the rotation of one shaft with weight delivers a centrifugal force that is sufficient to lift and drop the heavy steel drum as it moves through its cycle. The height at which the drum lifts is referred to as amplitude. During oscillation the rotation of more than one shaft with weight creates the back and forth smearing effect as it moves through its cycle. Each cycle repeats itself as the machine moves across and compacts the material depth and surface.

Vibratory dynamic forces typically increase the compacting force up to six times the actual static weight of the drum assembly. Like shaking up a box of corn flakes, this vibration rapidly moves the material particles, reduces the air voids between them and increases the material contact points. Vibratory and oscillating rollers help to rearrange the material particles at the same time for a denser fit.

It is imperative that machine speed, frequency and amplitude variations controlled by machine settings correlate to proper impacts per foot for consistency and mat smoothness. For more detailed information, contact your SAKAI representative today or visit **www.SakaiAmerica.com**

Our Dedication to Safety

SAKAI understands that the integrity of the jobsite is dependent on the safety of the work zone. As such, we take safety of our machines to heart. All of our ride-on rollers come equipped with a safety brake pedal. An equipment operator's natural reaction to immediate danger is to hit the brakes, typically by using a brake pedal. This foot pedal is unique to SAKAI and adds an element of safety to all of our products. In addition to our safety brake pedal, all SAKAI ride-on rollers in the United States and Canada come equipped with Roll-Over-Protection-Systems, or ROPS, as well as seat belts. These features are only the beginning of our dedication to safety.



Guardman Auto Brake Assist System

A first for the asphalt paving roller industry, Guardman detects personnel, equipment, or objects behind the compactor and automatically brakes when a collision is imminent. The operator does not need to intervene.

Guardman works by using millimeter-wave radar or 3D sensor in full integration with the machine's hydraulic drive and braking system. A sophisticated intelligent controller compensates for compactor speed and day or night visibility. This safety option even works through dust / steam and was designed to be used for paving next to walls without worry of false alarms.

Common Features

- SAKAI's unique shock isolation system lasts a lifetime and provides greater operator comfort and reduced fatigue
- Thick, heavy-duty hardened steel frames are common to all SAKAI heavy equipment
- Hydrostatic, SAHR brake systems
- Counter-rotating eccentric shafts eliminate "skipping" of the roller down the mat
- Winterization is a breeze with SAKAI's unique system
- Cross-mounted drive and vibration motors on all asphalt machines – for even weight distribution
- Quarter-turn brass spray nozzles – All high-quality here, no cheap plastic spray nozzles which clog and break easily

eXactcompact

Maximize your production while meeting density and smoothness targets. EXactcompact automatically calculates roller speed based on the desired impacts per foot, no matter what frequency or amplitude. No more guess work or tinkering with forward/neutral/reverse (FNR) lever every time the roller changes direction. The convenient AutoSpeed feature on the SW884/SW994 allows the operator to lock in the desired impacts per foot and works like cruise control to maintain the same speed in forward and reverse. Need to go faster? Simply disengage AutoSpeed and speed up, but beware of reduced smoothness and density!

TOOLS TO GET THE JOB DONE

Intelligent Compaction

Intelligent Compaction involves the use of an accelerometer to measure changes in the amplitude wave of a vibratory roller or compactor. The rate of change in the amplitude wave measures the stiffness of the material being compacted. This stiffness value, when compared with the location of the drum(s) as measured using high-precision positioning systems, creates a map of your jobsite identifying potential "soft" or weak spots in the compacted material. Knowing these soft spots allows for spot-checking of the material to ensure uniform compaction, thereby verifying the integrity of the compaction process.

Through the location mapping process, Intelligent Compaction is also presenting a full map of your roller passes over the entire area being compacted. This allows verification that (a) your operators are performing in the most efficient roller patterns possible; (b) you are achieving uniform compaction through pass-count measurement and coverage; (c) of the minimum pass-count needed for achieving target quality assurance measurements.

A temperature sensor can also be added to map the temperature of the asphalt mat during the compaction process, ensuring that your operators are able to keep pace with the paver and stay off the mat outside the tender zone temperature range.

On-board Display

SAKAI has partnered with the industry's leading manufacturers of intelligent compaction systems to ensure the best fitment and performance possible.

Soil compaction drums are available in two basic types – smooth and padfoot. **Smooth** drums are generally the choice for compaction of rock, gravel, sand, and semi-cohesive soils.

Cohesive silts and clays typically need far more force to knead and compact. SAKAI **padfoot** drums effectively penetrate these difficult materials, increasing the compaction forces per square inch, enabling density to be achieved quickly.

Most areas of the world offer a variety of soil types. For contractors working in these zones, SAKAI offers the combi drum (TF & DF models) – a combination of a padfoot drum and a smooth drum using a **bolt-on shell** for use in either cohesive or non-cohesive soils. A SAKAI representative will be happy to assist you on selecting the right drum configuration for your needs.

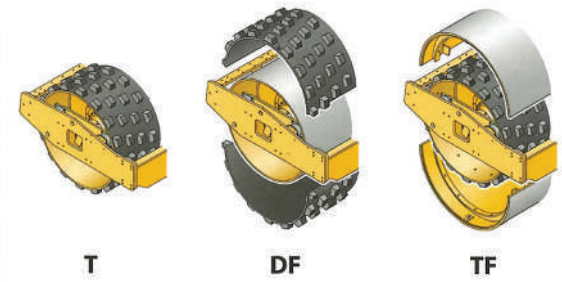
PADFOOT DRUM (T)

SMOOTH DRUM (D)

SMOOTH SHELL (TF)

PADFOOT SHELL (DF)

Drum Variations in Addition to D Type



SAKAI also offers an optional **strike-off blade** (TB models) available with most soil models. The blade provides a level surface to prevent the drum from bridging over high spots and not compacting the underlying soil and it can be used for light duty backfilling.

Fuel Saving ECO-Mode

With SAKAI's ECO-MODE, you can be sure your operations are running efficiently. By reducing fuel consumption while maintaining full hydraulic performance, you can save up to 20% in fuel costs.

eco MODE

SV204D

SV204TB

Key Features & Benefits:

- High centrifugal force outputs
- Durable isolators last up to 5,000 hrs
- Heavy-duty center hitch design
- Three braking choices
- Raised exhaust for trench work
- Operator station access from both sides of machine

	SV204D	SV204T
SV204 Applications	• Low-med production site work • Wide variety of soils • Small to medium site prep jobs • Confined areas • Large trench compaction • Utility and repair work	
Drum Type	Smooth	Padfoot
Drum Size W/D	54"/39" (1,370/1,000mm)	54"/41" (1,370/1,050mm)
Operating Weight	10,220lbs (4,635kg)	10,440lbs (4,735kg)
Operating Gradability	52%	49%
Vibration Frequency	1,800vpm (30Hz)	
Centrifugal Force	16,635lbs (74kN)	
Nominal Amplitude	0.065" (1.65mm)	0.060" (1.52mm)
Engine Make & Model	Kubota V3307 T4 Final	
Engine Horsepower	73HP (54.6kW) @ 2,200rpm	
OPTIONS: Strobe, Work Lights, Mirror Kit, Telematics, Extended Warranty		

	SV204TB	SV204TF
Drum Type	Padfoot with Blade	Padfoot/Smooth Shell
Drum Size W/D	54"/41" (1,370/1,050mm)	54"/43" (1,370/1,090mm)
Operating Weight	11,100lbs (5,035kg)	11,980lbs (5,435kg)
Operating Gradability	46%	41%
Vibration Frequency	1,800vpm (30Hz)	
Centrifugal Force	16,635lbs (74kN)	
Nominal Amplitude	0.060" (1.52mm)	0.039" (1.00mm)
Engine Make & Model	Kubota V3307 T4 Final	
Engine Horsepower	73HP (54.6kW) @ 2,200rpm	
OPTIONS: Strobe, Work Lights, Mirror Kit, Telematics, Extended Warranty		

SV414D / SV414ND

Oscillation for No-vibe Areas (ND):
- Switch-on-the-fly: osc/vibe in one machine
- Gear-driven, no belts to deal with

	SV414D	SV414ND
SV414 Applications	• Med production soil compaction jobs • Wide variety of soils and rockfill • Roadway and parking lot subbases • Embankments • Building foundations • Commercial and industrial tracts • Road widening • Subgrade & subbase	
Drum Type	Smooth	Smooth
Drum Size W/D	67"/48" (1,700/1,220 mm)	67"/49" (1,700/1,256 mm)
Operating Weight	15,630 lbs (7,090 kg)	16,250 lbs (7,370 kg)
Operating Gradability	63%	
Vibration Frequency	2,280/1800vpm (38/30Hz)	Vibe: 1,830vpm (30Hz) Osc: 2,160vpm (36Hz)
Centrifugal Force	20,905/26,525lbs (93/118kN)	Vibe: 23,830lbs (106kN) Osc: 30,125lbs (134kN)
Nominal Amplitude	0.030"/0.061" (0.75/1.55mm)	Vibe: 0.050" (1.26mm) Osc: 0.041" (1.03mm)
Engine Make & Model	Cummins QSF2.8 T4 Final	
Engine Horsepower	74 HP (55.0 kW) @2,400 rpm	
OPTIONS: Tractor Tires, Strobe, Work Lights, Cab, Mirrors, Leveling Blade, Drum Scraper, Idle Shutdown, Extended Warranty		

SV414 SERIES

SV414T / SV414TF

Key Features & Benefits:
- Manual traction control system
- Durable isolators last up to 5,000 hrs
- High centrifugal force outputs
- Dual amplitude – dual frequency
- Drum and axle drives for traction
- Heavy-duty center hitch design
- Optional x-large, comfortable cab w/ plenty of extras

	SV414T	SV414TF
Drum Type	Padfoot	Padfoot/Smooth Shell
Drum Size W/D	67"/50" (1,700/1,270mm)	67"/52" (1,700/1,320mm
Operating Weight	15,630 lbs (7,090 kg)	18,340lbs (8,320kg)
Operating Gradability	63%	
Vibration Frequency	2,280/1800vpm (38/30Hz)	
Centrifugal Force	20,905/26,525lbs (93/118kN)	
Nominal Amplitude	0.030"/0.061" (0.75/1.55mm)	0.020"/0.039" (0.50/1.00mm)
Engine Make & Model	Cummins QSF2.8 T4 Final	
Engine Horsepower	74 HP (55.0 kW) @2,400 rpm	
OPTIONS: Strobe, Work Lights, Cab, Mirrors, Leveling Blade, Idle Shutdown, Extended Warranty		

SV544D

SV544 SERIES

SV544TB

Key Features & Benefits:

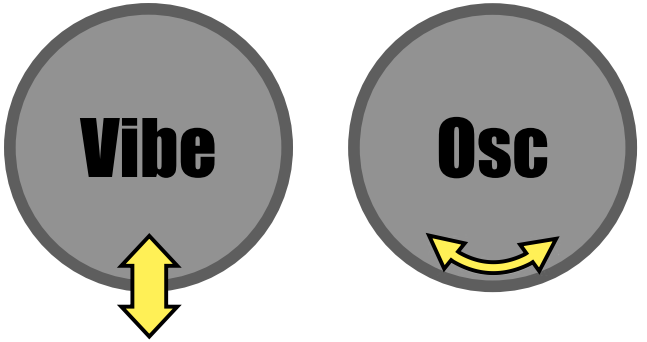
- ECO mode saves ~20% fuel
- Manual traction control system
- High centrifugal force outputs
- Durable isolators last up to 5,000 hrs
- Dual amplitude – dual frequency
- Heavy-duty center hitch design
- Three braking choices

	SV544D	SV544T	SV544TB
SV544 Applications	• Med-high compaction sitework • Wide variety of soils and rockfill • Highway and airport subgrades and subbases • Embankments • Dams and reservoirs • Large commercial and industrial tracts		
Drum Type	Smooth	Padfoot	Padfoot with Blade
Drum Size W/D	84"/60" (2,130/1,530mm)	84"/63" (2,130/1,600mm)	
Operating Weight	24,250lbs (11,000kg)	25,090lbs (11,380kg)	26,765lbs (12,140kg)
Operating Gradability	63%		
Vibration Frequency	2,000/1730vpm (33.3/28.8Hz)		
Centrifugal Force	32,820/57,325lbs (146/255kN)		
Nominal Amplitude	0.033"/0.079" (0.85/2.01mm)	0.031"/0.074" (0.80/1.88mm)	
Engine Make & Model	Cummins QSF3.8 T4 Final		
Engine Horsepower	130HP (97.0kW) @ 2,200rpm		
OPTIONS: Tractor Tires, Strobe, Work Lights, Cab, Mirrors, Suspension Seat, Drum Scraper, Idle Shutdown, Extended Warranty			

	SV544FB	SV544TF	SV544DF
Drum Type	Padfoot/Smooth Shell with Blade	Padfoot/ Smooth Shell	Smooth/ Padfoot Shell
Drum Size W/D	84"/65" (2,130/1,650mm)		84"/67" (2,130/1,708mm)
Operating Weight	31,770lbs (14,410kg)	30,095lbs (13,650kg)	27,955lbs (12,680kg)
Operating Gradability	63%		
Vibration Frequency	2,000/1730vpm (33.3/28.8Hz)		
Centrifugal Force	32,820/57,325lbs (146/255kN)		
Nominal Amplitude	0.020"/0.048" (0.52/1.23mm)		0.024"/0.057" (0.62/1.45mm)
Engine Make & Model	Cummins QSF3.8 T4 Final		
Engine Horsepower	130HP (97.0kW) @ 2,200rpm		
OPTIONS: Diamond Tread Tires, Strobe, Work Lights, Cab, Mirrors, Suspension Seat, Idle Shutdown, Extended Warranty			

Amplitude/Frequency Matters

Proper settings on the roller will vary from job to job, depending on many variables such as the mix design, binder, and the external environment – not to mention the lift thickness and speed of the paving train. When optimizing your productivity, rest assured that all of SAKAI's instrumentation is only an arm's length away. All of our amplitude and frequency settings are located conveniently on the dash, and can be changed by flipping a switch on the fly.



Vibration vs. Oscillation

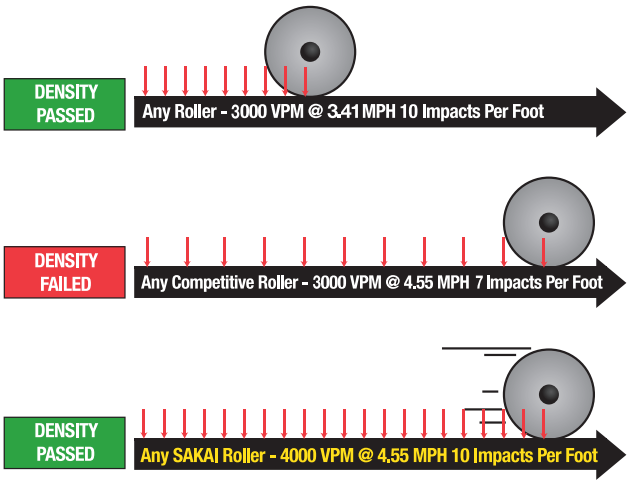
While vibration is still used on the overwhelming majority of compaction jobs to achieve density, we are seeing more and more jobs spec'ed as "no-vibe" – meaning that you cannot engage your vibration. By changing the direction of force from vertical to horizontal and hence "massaging" the asphalt into place, oscillation allows you meet "no- vibe" specs and still achieve density and smoothness. With SAKAI's top-notch engineering team, we are able to offer the best oscillation system on the market, capable of switching from Double Drum oscillation to full vibration by flipping a switch at the operator's station. This allows you to move from the "no-vibe" section of your paving job back to the usual vibration-allowed sections with ease – no need to bring additional rollers!

SAKAI Common Features

- Counter-rotating eccentrics for directed centrifugal force
- Triple-filtered spray systems
- Corrosion-free poly water tanks
- Twist-off bronze spray nozzles (no plastic)
- Comfortable seats with great visibility
- Clear view of drum edges
- Chamfered drum edges for better smoothness
- Cross-mounted vibration and drive motors balance the load at drum edge to minimize edge marks on the mat.
- SAKAI's ND Series allows switching between oscillation and vibration in both drums
- Gear driven so there is no need to worry with belt drive system (ND Series)

Impact Spacing

Smoothness of the mat and consistent density require proper impact spacing. With SAKAI's innovative tools to assist, you can ensure you are achieving your target impacts per foot all day everyday.



SW354

	SW354	SW354W (WIDE DRUM)
SW354 Applications	• Small-medium paving projects • Parking lots & driveways • Municipal & county roads • Road maintenance & patch work • Highway shoulders • Widening projects	
Drum Size W/D	47"/27" (1,200/675mm)	51"/27" (1,300/675mm)
Operating Weight	6,525lbs (2,960kg)	6,745lbs (3,060kg)
Vibration Frequency	4,000vpm (66.7Hz)	
Centrifugal Force	6,520lbs (29.0kN)	
Nominal Amplitude	0.012" (0.31mm)	0.011" (0.29mm)
Engine Make & Model	Kubota D1703 T4 Final	
Engine Horsepower	24HP (18.2kW) @ 2,200rpm	
OPTIONS: Guardman, Canopy, Strobe, Cocoa Mat, Drum Lights, LED Lights, Extended Warranty		

SW354 SERIES

SW354W

eco MODE

DPF

Key Features & Benefits:

- No DPF. No DEF. No ECM. Mechanical diesel!
- 4000 VPM – 10 IPF @ 4.55 MPH
- Triple-filtered spray system w/ timer
- Heavy-duty center hitch
- Excellent curb clearance
- Extra-wide comfort bench seat
- Chamfered drum edges
- Counter-rotating eccentrics
- All-drum drive w/ independent vibe
- Folding ROPS
- Durable isolators last up to 5,000hrs
- Leading 3 yr / 3000 hr warranty

TW354/504

TW354

DPF

eco MODE

Key Features & Benefits:

- Vibratory drum + pneumatic tires
- Tires knead for a smooth finish
- Machined drums w/ chamfered edges
- Excellent drum edge-to-edge visibility
- Durable isolators last up to 5,000 hrs
- Triple-filtered spray system
- Separate release agent tank

	TW354	TW504
TW354/504 Applications	• Small-medium tonnage projects • Parking lots & driveways • Municipal & county roads • Road maintenance & patch work • Road shoulders, ramps, widening	
Drum Size W/D	47"/27" (1,200/675mm)	51"/31" (1,300/800mm)
Operating Weight	5,865lbs (2,660kg)	7,740lbs (3,510kg)
Vibration Frequency	3,120vpm (52.0Hz)	
Centrifugal Force	4,630lbs (20.6kN)	5,955/7,710lbs (26.5/34.3kN)
Nominal Amplitude	0.014" (0.36mm)	0.012"/0.016" (0.30/0.40mm)
Engine Make & Model	Kubota D1703 T4 Final	
Engine Horsepower	24HP (18.2kW) @ 2,200rpm	
OPTIONS: Guardman, Canopy, Strobe, Cocoa Mat, Drum Lights, LED Lights, Extended Warranty		

SW504 SERIES

SW504W (wide drum)

eco MODE

Key Features & Benefits:

- Counter-rotating eccentric weights
- Chamfered drum edges
- Excellent drum edge visibility
- Heavy duty center hitch design
- Durable isolators last up to 5,000 hrs
- Dual drum drive w/ independent vibe
- Great side and curb clearance
- Triple-filtered spray system
- Lights, brake lights, signals, & mirrors standard

	SW504	SW504W (WIDE DRUM)
SW504 Applications	• Parking lots & large driveways • Road widening • Highway shoulders • Municipal & residential roads	
Drum Size W/D	51"/31" (1,300/800mm)	54"/31" (1,380/800mm)
Operating Weight	8,955lbs (4,060kg)	9,260lbs (4,200kg)
Vibration Frequency	3,300vpm (55Hz)	
Centrifugal Force	5,955/7,710lbs (26.5/34.3kN)	
Nominal Amplitude	0.011"/0.014" (0.27/0.35mm)	0.010"/0.013" (0.26/0.34mm)
Engine Make & Model	Kubota D1803 T4 Final	
Engine Horsepower	43 HP (32.3 kW) @2,400 rpm	
OPTIONS: Guardman, Canopy, Strobe, Cocoa Mat, Drum Lights, LED Lights, Extended Warranty		

SW654 SERIES

SW654

eco MODE

Key Features & Benefits:

- 4000 VPM – 10 IPF @ 4.55 MPH
- Counter-rotating eccentrics
- Machined drums w/ chamfered edges
- Independent drum vibration
- Heavy-duty center hitch design
- Durable isolators last up to 5,000 hrs
- 180° seat rotation
- Triple-filtered water system w/ back-up

	SW654	SW654ND
SW654 Applications	• Small to large tonnage jobs • Shoulders, ramps, & widening • Parking lots & large drives • Municipal & county roads • State highways	
Drum Size W/D	58"/42" (1,480/1,070mm)	
Operating Weight	15,585lbs (7,070kg)	16,250lbs (7,370kg)
Vibration Frequency	3,000/4,000vpm (50/66.7Hz)	Vibe: 2,940vpm (49Hz) Osc : 2,940vpm (49Hz)
Centrifugal Force	13,940/15,510lbs (62/69kN)	Vibe: 15,285lbs (68kN) Osc : 27,875lbs (124kN)
Nominal Amplitude	0.011"/0.021" (0.27/0.53mm)	Vibe: 0.020" (0.52mm) OSC : 0.030" (0.75mm)
Engine Make & Model	Kubota V3307 T4 Final	
Engine Horsepower	73HP (54.6kW) @ 2,200rpm	
OPTIONS: Strobe, Work Lights, Drum Lights, LED Lights, Cocoa Mat, Temp Sensor, Panel Light, Extended Warranty		

SW774 SERIES

SW774

Oscillation Applications (all ND models):

- Thin lifts & bridge decks
- Along old building foundations
- Compaction with utilities underneath
- Along buildings with sensitive equipment: airport terminals, hospitals, etc.
- No-vibe jobs

	SW774	SW774ND
SW774 Applications	• Med-to-large tonnage jobs • Shoulders, ramps, & widening • Large commercial parking lots • Municipal & county roads • State highways	
Drum Size W/D	66"/49" (1,680/1,250mm)	
Operating Weight	22,090lbs (10,020kg)	23,270lbs (10,555kg)
Vibration Frequency	2,500-4,000vpm (41.7-66.7Hz)	Vibe: 3,000vpm (50Hz) Osc: 3,000vpm (50Hz)
Centrifugal Force	9,665-23,155lbs (43-103kN)	Vibe: 25,180lbs (112kN) Osc: 30,800lbs (137kN)
Nominal Amplitude	0.012"/0.020" (0.30/0.50mm)	Vibe: 0.020" (0.50mm) Osc: 0.024" (0.61mm)
Engine Make & Model	Kubota V3800 T4 Final	
Engine Horsepower	110HP (81.8kW) @2,400rpm	
OPTIONS: Strobe, Work Lights, Drum Lights, LED Lights, Cocoa Mats, Temp Sensor, Panel Light, EXACTCOMPACT Meter, Extended Warranty		

SW884 SERIES

COC

eco MODE

Key Features & Benefits:

- 4000 VPM – 10 IPF @ 4.55 MPH
- User-selectable amp. & freq. per drum
- Counter-rotating eccentric weights
- Chamfered drum edges
- 180° seat rotation
- Heavy-duty hitch design
- Durable isolators last up to 5,000 hrs
- Great side and curb clearance

	SW884	SW884ND
SW884/994 Applications	• Med-to-large tonnage jobs • Interstates, highways, & county roads • Large commercial jobs • Airports	
Drum Size W/D	79"/55" (2,000/1,400mm)	79"/54" (2,000/1,370mm)
Operating Weight	28,415lbs (12,890kg)	29,165 lbs (13,230 kg)
Vibration Frequency	2,500 - 4,000vpm (41.7 - 66.7Hz)	Vibe: 3,000 vpm (50 Hz) Osc 2,800 vpm (46.7 Hz)
Centrifugal Force	14,160-39,790lbs (63-177kN)	Vibe: 35,585 lbs (158kN) Osc: 38,600 lbs (172kN)
Nominal Amplitude	0.013"/0.025" (0.33/0.64mm)	Vibe: 0.022" (0.55mm) Osc: 0.024" (0.60mm)
Engine Make & Model	Cummins QSF 3.8 T4 Final	
Engine Horsepower	130 HP (97.0kW) @2,200 rpm	
OPTIONS: Guardman, Strobe, Cab, Low ROPS, Work Lights, Drum Lights, LED Lights, Cocoa Mats, Temp Sensor, Panel Light, Idle Shutdown, Extd. Warranty		

SW994 SERIES

COC

eco MODE

Key Features & Benefits (Continued):

- Auto speed & EXACTCOMPACT (pg. 6) standard
- Triple-filtered twin-bar water system (both drums)
- Low center of gravity
- Reliable analog switches & knobs
- Optional AC cab (retains 180° seat)

Oscillation Applications (all ND models):

- Thin lifts & bridge decks
- Along old building foundations
- Compaction with utilities underneath
- Along buildings with sensitive equipment: airport terminals, hospitals, etc.
- No-vibe jobs

	SW994	SW994ND
Drum Size W/D	84"/55" (2,130/1,400mm)	84"/54" (2,130/1,370mm)
Operating Weight	29,255lbs (13,270kg)	29,960 lbs (13,590 kg)
Vibration Frequency	2,500 - 4,000vpm (41.7 - 66.7Hz)	Vibe: 3,000 vpm (50 Hz) Osc: 2,800 vpm (46.7 Hz)
Centrifugal Force	15,285 - 41,590lbs (68 - 185kN)	Vibe: 35,585 lbs (158kN) Osc: 38,600 lbs (172kN)
Nominal Amplitude	0.013"/0.026" (0.34/0.65mm)	Vibe: 0.021" (0.54mm) Osc: 0.022" (0.56mm)
Engine Make & Model	Cummins QSF 3.8 T4 Final	
Engine Horsepower	130 HP (97.0kW) @2,200rpm	
OPTIONS: Guardman, Strobe, Cab, Low ROPS, Work Lights, Drum Lights, LED Lights, Cocoa Mats, Temp Sensor, Panel Light, Idle Shutdown, Extd. Warranty		

GW754

Key Features & Benefits:

- World's only vibratory pneumatic tire roller
- Compacts like a 25t static roller at 10t
- Get bonuses: kneads longitudinal joints
- Operator-configurable amp./freq. settings per axle
- Great tire visibility, curb & side clearances
- Durable isolator system for tires
- Separate release agent tank
- 180° seat rotation
- ROPS, seatbelt, front & rear lights standard

	GW754
GW754 Applications	• Med-to-large tonnage jobs • Highways, county, & municipal roads • Airports & bridge decks • Shoulders, ramps, & widening • Roller compacted concrete • Thick lifts • Chip-seal • SMA, CIR recycle, & base work
Drum Size W/D	77" (1,950mm)
Operating Weight	19,510 lbs (8,850 kg)
Vibration Frequency	2,400 vpm (40 Hz)
Centrifugal Force	1,350 - 13,040 lbs (6 - 58 kN)
Nominal Amplitude	0.004" - 0.029" (0.1 - 0.74 mm)
Engine Make & Model	Kubota V3800 T4 Final
Engine Horsepower	110 HP (81.8 kW) @ 2,400 rpm
OPTIONS: Guardman, Skirt Kit, Strobe, Work Lights, LED Lights, Cocoa Mats, Temp Sensor, Panel Light, Extended Warranty	

GW754

GW754 Skirt Kit

Tire temperatures on the asphalt mat are essential. The temperature difference between the tires and the mat should be kept minimal to prevent pickup. This is especially challenging in cooler weather or in windy areas.

The optional skirt kit provides wind protection to prevent cooling of the tires and helps to trap existing heat in the tires. This option includes factory-installed front and rear mounting brackets with hooks. The rubber skirts are easily hung onto the hooks by a grommet and carabiner system. Simply lift the skirts off the hooks in warmer weather if no longer needed.

R2H-4

eco MODE

Key Features & Benefits:

- High 355 pli static pressure
- Chamfered drum edges
- Heavy duty center hitch design
- Great side and curb clearance
- ROPS, seatbelts, & mirrors standard
- Front, rear, and brake lights standard
- Easily switch sides: two operator seats
- Optional Guardman Auto Brake Assist System

	R2H-4
R2H-4 Applications	• Small-to-large tonnage no-vibe jobs • Thin lifts and bridge decks • Highways, municipal roads, county roads • Racetracks and road courses • Shoulders, ramps, and widening • Finish rolling • Longitudinal joint compaction
Drum Size W/D	83" (2,100mm)
Operating Weight	30,955lbs (14,040kg)
Weight on Front Axle	15,455lbs (7,010kg)
Weight on Rear Axle	15,500lbs (7,030kg)
Static Linear Pressure	Front: 355lbs/in (625N/cm) Rear: 355lbs/in (625N/cm)
Engine Make & Model	Kubota V3307 T4 Final
Engine Horsepower	73HP (54.6kW) @ 2,200rpm
OPTIONS: Guardman, Strobe, Work Lights, LED Lights, Cocoa Mats, Extended Warranty	

R2H-4

Two R2H-4 three wheel static rollers run in echelon formation

Granite Construction has referred to the R2H-4 as their "secret weapon" to achieve notable smoothness on racetrack jobs such as this repave of historic Barber Motorsports Park in Birmingham, AL.

NOTES

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SAKAI

MASTERS OF COMPACTION

SAKAI America, Inc.
90 International Pkwy
Adairsville, GA 30103

SakaiAmerica.com

SAKAI was founded in Japan in 1918 for the manufacture and repair of diesel locomotives. Over time, those product lines evolved into what is now considered the most durable and easy-to-use line of compaction equipment in the world. SAKAI products are now distributed globally.

SAKAI America was established and began importing machines in 1976. We now build many U.S. and Canadian market machines here in our Adairsville, Georgia, manufacturing plant. Our nationwide network of dealers and extensive domestic parts stock in Georgia reinforces our strong commitment to the North American market.

Why **SAKAI?** Japanese reliability, quality, and dependability that comes from intensive engineering and simplicity.

Authorized Dealer:

2024.03