SAKAI
MASTERS OF COMPACTION

HV Series
HS
RS Series
PC Series

SERVICE HOTLINE

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

www.sakainet.co.jp/en/

WALK-BEHIND ROLLER

HV520·620 / HV58 / HV80·80ST / HS67ST

HV520·620

Easy to handle and highly efficient for compaction of soil and asphalt on all types of job sites

Head light

Locking pin for folding handle

Large diameter and chained water cap

Safety brake knob (dead man's handle)

Hour meter

Foot light (Option)

Special Mention!

One-touch open covers for easy maintenance

Water hammer protection muffler

High Efficiency

- Small wall clearance and ample curb clearance allow the closest possible approach to any obstacles.
- All comands for operating the machine are centralized and can be made from the operation handle.
- Improving fuel consumption by 10% (vs.HV51ST / 61ST)
- Increasing capacity of sprinkler tank (30 L → 35 L) (vs. SAKAI's past model)
- Super silent (Sound power level : 94 dB)

HV58
HIGH COMPACTION

Increased centrifugal force up to 20%

HV80

HS67ST

Head light (standard for HV58)

Full-open type cover for easy maintenance

Power steering (HS67ST) Steering angle: +/- 15 degrees

Option

Foot light

Head light (HV80, HS67ST)

High Efficiency

- Easily adjustable sprinkler system and wide water pipes splashes water onto both drums from edge to edge.
- Open type side guard protects the engine from obstacles and allows easy access for maintenance of the engine.
- The HS model is equipped with a power steering system that allows the front drum to turn 15 degrees to the left and right with a single switch operation.

WALK-BEHIND ROLLER with

Hold to Run function

NEW MODEL

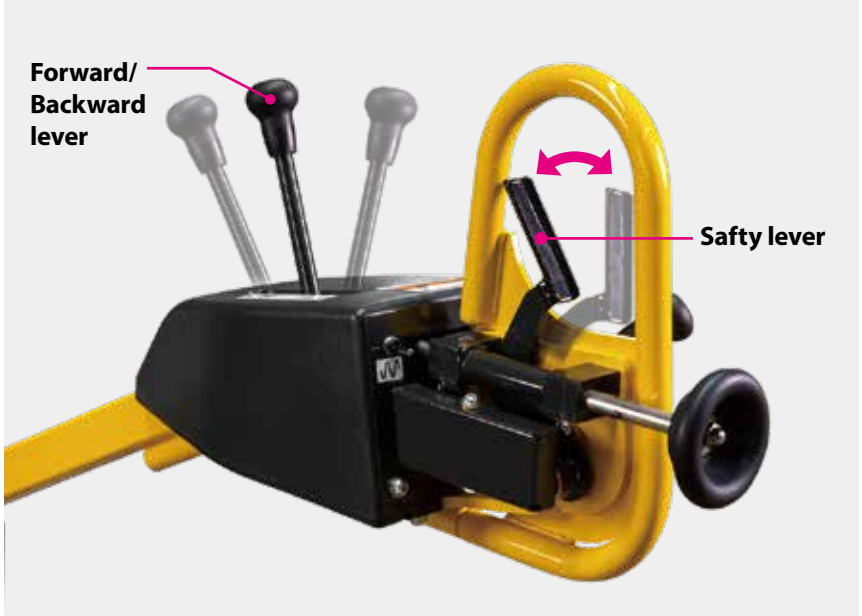
Applicable model: HV520･620 / HV58 / HS67

Designed for roller to prevent running over objects

What is Hold to Run?

The Hold-to-Run feature ensures the machine operates only when the safety lever is engaged.
Upon release of the lever, the machine automatically stops.
This mechanism enhances safety by providing an immediate stop in case of sudden falls or similar incidents.

Check YouTube



Features

Two Operating approaches:

1. Using the Safety Lever:

- The forward/reverse lever remains active while the safety lever is held.
- Releasing the safety lever automatically returns the forward/reverse lever to neutral, bringing the machine to a stop.

2. Without Using the Safety Lever:

- Operate the machine using only the forward/reverse lever.
- Releasing the forward/reverse lever automatically returns it to neutral, bringing the machine to a stop.

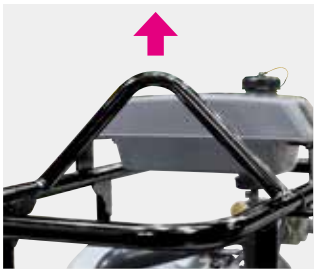
RAMMER

RS45 / RS55 / RS65 / RS75

RS Series

Covering the full range, from the lightest class in the world to heavy duty weight class for a variety of job sites

Shoe with tapered front corner



Guard bar with lifting point

Original large size rubber isolators for easy control and comfortable operation

One throttle lever (Engine-off, Fuel-off, Throttle adjustment)

UV protected fuel tank

Multi air cleaner system for long interval of engine maintenance

Option

Hand cart

Transport wheels

PLATE COMPACTOR

PC43 / PC5X / PC6X / PC600 / PC81CA / PC800

PC Series

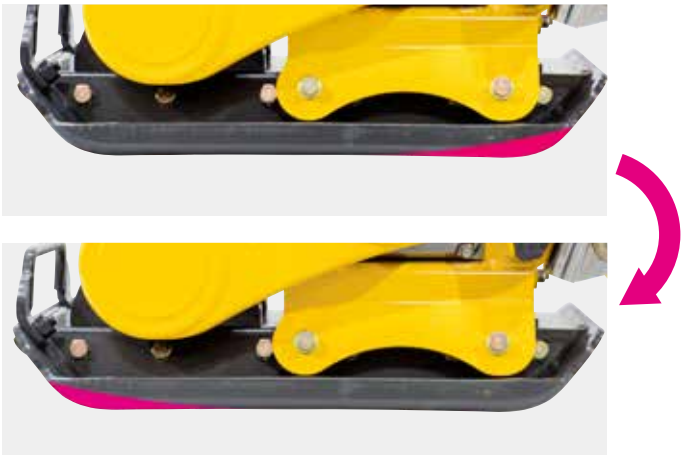
Full range of plate compactors for any materials and any job sites

Highly durable high tension steel plate

Engine guard with lifting point

180 degrees rotatable plate

Compaction plate can be turned 180 degrees to prolong the service life.



Safety Provisions

- Sakai's original rubber shock-absorbers assure easy handling and comfortable operation.
- Hand-arm vibration is reduced by 30% (for PC43, 53, 63).

High Efficiency

- Highly durable high tension steel plate assures long service life and perfect compaction on any job site.

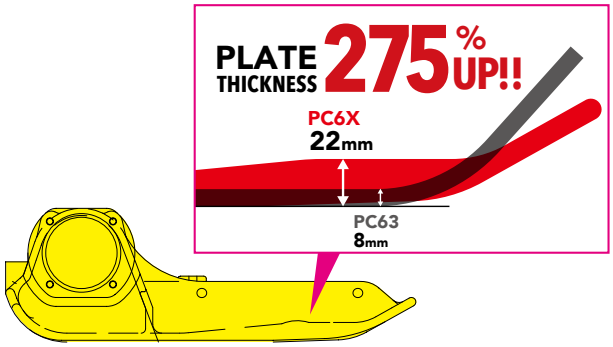
PC5X

PC6X

Long Life and Strength

- Improved compacting plate life by using originally designed casting plate.
- The rear end of the compaction plate is made thicker.

➡ Lifetime improvement



Easy Operation

- Improved stability with low center of gravity design.
- Improved ergonomics for better comfort.
- Working speed improvement (approx.10%UP)

Asphalt Rolling Workability

- Standard model now comes with easily accessible throttle lever.
- Barden on hand vibration reduced by 25%
- Addition on thermal plate, reduces asphalt adhesion.

Option

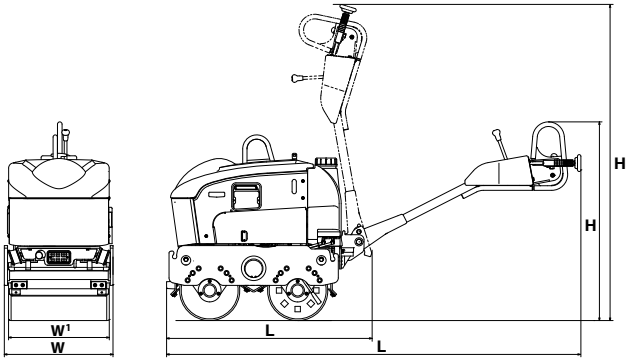
Sprinkler System

Transport wheels
(PC43, PC600, PC81CA)

Throttle lever
(PC43, PC81CA)

Simple transport wheels
(PC43, PC600, PC800)

SPECIFICATIONS
WALK-BEHIND ROLLER



MODEL			HV520	HV620
CHASSIS MODEL			5HV22	5HV23
WEIGHTS	Max. operating weight	kg (lbs)	620 (1,365)	640 (1,410)
	Operating weight	kg (lbs)	600 (1,320)	620 (1,365)
PERFORMANCE	Centrifugal force	kN (lbs) [kgf]	9.8 (2,205) [1,000]	11.8 (2,650) [1,200]
	Frequency	Hz (vpm)	60 (3,600)	
	Speed range (Forward & Reverse)	km/h (mph)	0–3.0 (0–1.9)	
	Gradeability	% (°)	38 (21)	
DIMENSIONS	Overall length [fold/unfold] **L**	mm (in)	1,210 / 2,450 (48 / 96.5)	
	Overall width **W**	mm (in)	640 (25.2)	695 (27.4)
	Overall height [fold/unfold] **H**	mm (in)	1,865 / 1,175 (73.4 / 46.3)	
	Compaction width **W¹**	mm (in)	595 (23.4)	650 (25.6)
ENGINE	Make / Model		KUBOTA / E75-E3-NB3	
	Type		Diesel, Water cooled, 4 cycle, 1 cylinder	
	Max. output	kW(HP)/min^{-1}	4.2 (5.6) / 2,100	
	Starting system		Electric starter	
POWER LINE	Transmission		Hydrostatic	
	Drive wheel		All wheel	
VIBRATION SYSTEM			Eccentric shaft type	
BRAKE SYSTEM	Service brake		Dynamic brake through hydrostatic drive system (F-N-R lever)	
	Parking brake		Mechanical pin lock type (Lever)	
FULUID CAPACITY	Fuel tank	L (gal)	4.8 (1.3)	
	Sprinkler tank (Gravity)	L (gal)	35 (9.2)	
HOUR METER			○	
FRONT LIGHTING SYSTEM			○	
FOOT LIGHTING SYSTEM			OPTION	
POWER STEERING			–	

MODEL			HV58
CHASSIS MODEL			5HV25
WEIGHTS	Max. operating weight	kg (lbs)	615 (1,355)
	Operating weight	kg (lbs)	595 (1,310)
PERFORMANCE	Centrifugal force	kN (lbs) [kgf]	11.8 (2,650) [1,200]
	Frequency	Hz (vpm)	60 (3,600)
	Speed range (Forward & Reverse)	km/h (mph)	0–3.0 (0–1.9)
	Gradeability	% (°)	38 (21)
DIMENSIONS	Overall length [fold/unfold] **L**	mm (in)	1,210 / 2,450 (48 / 96.5)
	Overall width **W**	mm (in)	640 (25.2)
	Overall height [fold/unfold] **H**	mm (in)	1,865 / 1,175 (73.4 / 46.3)
	Compaction width **W¹**	mm (in)	595 (23.4)
ENGINE	Make / Model		KUBOTA / E75-E3-NB3
	Type		Diesel, Water cooled, 4 cycle, 1 cylinder
	Max. output	kW(HP)/min^{-1}	4.2 (5.6) / 2,100
	Starting system		Electric starter
POWER LINE	Transmission		Hydrostatic
	Drive wheel		All wheel
VIBRATION SYSTEM			Eccentric shaft type
BRAKE SYSTEM	Service brake		Dynamic brake through hydrostatic drive system (F-N-R lever)
	Parking brake		Mechanical pin lock type (Lever)
FULUID CAPACITY	Fuel tank	L (gal)	4.8 (1.3)
	Sprinkler tank (Gravity)	L (gal)	35 (9.2)
HOUR METER			○
FRONT LIGHTING SYSTEM			○
FOOT LIGHTING SYSTEM			OPTION
POWER STEERING			–

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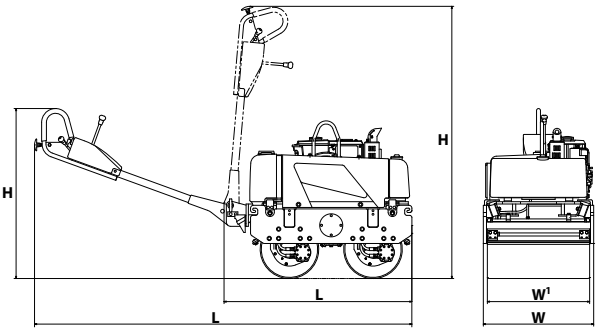
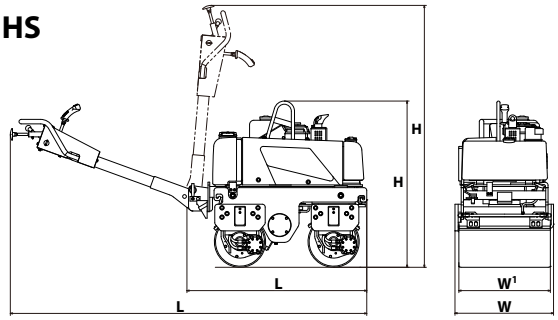
HV



HS



MODEL				HV80ST	HV80
CHASSIS MODEL				VHV14	VHV14
WEIGHTS	Max. operating weight	kg (lbs)		780 (1,720)	760 (1,675)
	Operating weight	kg (lbs)		760 (1,675)	740 (1,630)
PERFORMANCE	Centrifugal force	kN (lbs) [kgf]		15.7 (3,530) [1,600]	
	Frequency	Hz (vpm)		55 (3,300)	
	Speed range (Forward & Reverse)	km/h (mph)		0–3.5 (0–2.2)	
	Gradeability	% (°)		38 (21)	
DIMENSIONS	Overall length [fold/unfold] **L**	mm (in)		1,340 / 2,620 (52.8 / 103.1)	
	Overall width **W**	mm (in)		770 (30.3)	
	Overall height [fold/unfold] **H**	mm (in)		1,895 / 1,180 (74.6 / 46.5)	
	Compaction width **W**[1]	mm (in)		710 (28)	
ENGINE	Make / Model			KUBOTA / EA8-NB	KUBOTA / EA8-N
	Type			Diesel, Water cooled, 4 cycle, 1 cylinder	
	Max. output	kW(HP)/min^{-1}		5.7 (7.6) / 2,500	
	Starting system			Electric starter / Manual starter	Manual starter
POWER LINE	Transmission			Hydrostatic	
	Drive wheel			All wheel	
VIBRATION SYSTEM				Eccentric shaft type	
BRAKE SYSTEM	Service brake			Dynamic brake through hydrostatic drive system (F-N-R lever)	
	Parking brake			Mechanical pin lock type (Lever)	
FULUID CAPACITY	Fuel tank	L (gal)		7.5 (2.0)	
	Sprinkler tank (Gravity)	L (gal)		40 (10.6)	
HOUR METER				–	
FRONT LIGHTING SYSTEM				OPTION	
FOOT LIGHTING SYSTEM				OPTION	
POWER STEERING				–	

MODEL				HS67ST	
CHASSIS MODEL				5HS2	5HS2
WEIGHTS	Max. operating weight	kg (lbs)		750 (1,655)	720 (1,585)
	Operating weight	kg (lbs)		730 (1,610)	700 (1,545)
PERFORMANCE	Centrifugal force	kN (lbs) [kgf]		11.8 (2,650) [1,200]	
	Frequency	Hz (vpm)		55 (3,300)	
	Speed range (Forward & Reverse)	km/h (mph)		0–3.5 (0–2.2)	
	Gradeability	% (°)		38 (21)	
DIMENSIONS	Overall length [fold/unfold] **L**	mm (in)		1,290 / 2,475 (50.8 / 97.4)	
	Overall width **W**	mm (in)		685 (27)	
	Overall height [fold/unfold] **H**	mm (in)		1,825 / 1,155 (71.9 / 45.5)	1,825 / 1,255 (71.9 / 49.4)
	Compaction width **W**[1]	mm (in)		635 (25)	
ENGINE	Make / Model			KUBOTA / E75-E3-NB3	HONDA / GX390
	Type			Diesel, Water cooled, 4 cycle, 1 cylinder	Gasoline, Air cooled, 4 cycle, 1 cylinder
	Max. output	kW(HP)/min^{-1}		4.6 (6.2) / 2,500	7.0 (9.4) / 3,600
	Starting system			Electric starter	Electric starter / Manual starter
POWER LINE	Transmission			Hydrostatic	
	Drive wheel			All wheel	
VIBRATION SYSTEM				Eccentric shaft type	
BRAKE SYSTEM	Service brake			Dynamic brake through hydrostatic drive system (F-N-R lever)	
	Parking brake			Mechanical pin lock type (Lever)	
FULUID CAPACITY	Fuel tank	L (gal)		4.8 (1.3)	6.1 (1.6)
	Sprinkler tank (Gravity)	L (gal)		30 (7.9)	
HOUR METER				–	
FRONT LIGHTING SYSTEM				OPTION	
FOOT LIGHTING SYSTEM				OPTION	
POWER STEERING				○	

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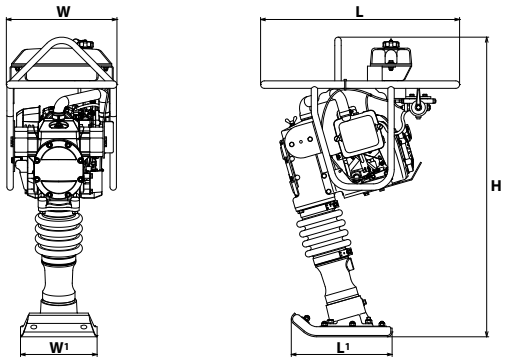
SPECIFICATIONS
RAMMER



MODEL			RS45	RS55
CHASSIS MODEL			VRS4	5RS7
WEIGHTS	Max. operating weight	kg (lbs)	53 (117)	58 (128)
	Operating weight	kg (lbs)	52 (115)	57 (126)
PERFORMANCE	Impact blow	kN (lbs) [kgf]	6 (1,320) [610]	12 (2,645) [1,225]
	Frequency	Hz (vpm)	10.8–11.5 (650–690)	
	Travel speed	m/min (ft/min)	8–12 (26–39)	
	Ramming stroke	mm (in)	40–60 (1.5–2.5)	
DIMENSIONS	Overall length **L**	mm (in)	675 (26.5)	
	Overall width **W**	mm (in)	375 (15)	
	Overall height **H**	mm (in)	1,015 (40)	
	Ramming shoe **W¹ x L¹**	mm (in)	230 x 340 (9 x 13.5)	260 x 340 (10 x 13.5)
ENGINE	Make / Model		HONDA / GX100	
	Type		Gasoline, Air cooled, 4 cycle, 1 cylinder	
	Max. output	kW(HP)/min^{-1}	2.3 (3.1) / 4,000	
	Starting system		Recoil starter	
	Carburetor		Float chamber	
FLUID CAPACITY	Fuel tank	L (gal)	2.8 (0.74)	
MULTI AIR CLEANER			○	
ONE THROTTLE LEVER			○	
TRANSPORT WHEELS			OPTION	
HAND CART			OPTION	

MODEL			RS65	RS75
CHASSIS MODEL			VRS2	VRS3
WEIGHTS	Max. operating weight	kg (lbs)	70 (154)	76 (168)
	Operating weight	kg (lbs)	69 (152)	75 (165)
PERFORMANCE	Impact blow	kN (lbs) [kgf]	15 (3,375) [1,530]	18 (4,050) [1,835]
	Frequency	Hz (vpm)	10.8–11.5 (650–690)	
	Travel speed	m/min (ft/min)	12–16 (39–52)	
	Ramming stroke	mm (in)	50–70 (1.5–3.0)	
DIMENSIONS	Overall length **L**	mm (in)	740 (29)	
	Overall width **W**	mm (in)	395 (16)	
	Overall height **H**	mm (in)	1,040 (41)	
	Ramming shoe **W¹ x L¹**	mm (in)	280 x 340 (11 x 13.5)	
ENGINE	Make / Model		HONDA / GX100	HONDA / GXR120
	Type		Gasoline, Air cooled, 4 cycle, 1 cylinder	
	Max. output	kW(HP)/min^{-1}	2.1 (2.8) / 3,600	2.7 (3.6) / 3,600
	Starting system		Recoil starter	
	Carburetor		Diaphragm chamber	
FLUID CAPACITY	Fuel tank	L (gal)	2.8 (0.74)	
MULTI AIR CLEANER			○	
ONE THROTTLE LEVER			○	
TRANSPORT WHEELS			OPTION	
HAND CART			OPTION	

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* Operating weight : Fuel = 50%
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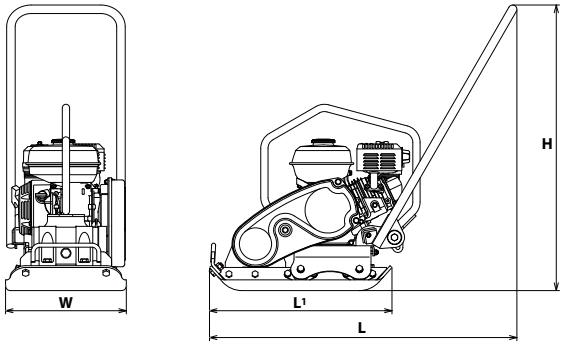
SPECIFICATIONS
PLATE COMPACTOR



MODEL			PC43	PC5X	PC6X
CHASSIS MODEL			5PC34	5PC39	5PC40
WEIGHTS	Max. operating weight	kg (lbs)	48 (106)	60 (132)	64 (141)
	Operating weight	kg (lbs)	47 (104)	59 (130)	63 (139)
PERFORMANCE	Centrifugal force	kN (lbs) [kgf]	6.4 (1,440) [650]	10.8 (2,425) [1,100]	
	Frequency	Hz (vpm)	96.7 (5,800)		
	Working speed	m/min (ft/min)	20–25 (66–82)	23-28 (75-92)	
DIMENSIONS	Overall length **L**	mm (in)	850 (33)	885 (34.8)	
	Overall width **W**	mm (in)	298 (12)	340 (13.4)	360 (14.2)
	Overall height **H**	mm (in)	790 (31)	810 (31.9)	
	Vibrating plate **W x L**[1]	mm (in)	298 x 480 (12 x 19)	340 x 460 (13.4 x 18.1)	360 x 460 (14.2 x 18.1)
ENGINE	Make / Model		HONDA / GX100	HONDA / GX120	
	Type		Gasoline, Air cooled, 4 cycle, 1 cylinder		
	Max. output	kW(HP)/min^{-1}	2.2 (3.0) / 3,800	2.4 (3.2) / 3,600	
	Starting system		Recoil starter		
VIBRATION SYSTEM			Eccentric shaft type		
FLUID CAPACITY	Fuel tank	L (gal)	0.77 (0.2)	2.0 (0.53)	
SPRINKLER SYSTEM			OPTION		
ROTATING PLATE			○	×	
BODY PROTECTION GUARD			○	○	
SIMPLE TRANSPORT WHEELS			OPTION	–	
TRANSPORT WHEELS			OPTION	–	
FOLDABLE HANDLE			–		
THROTTLE LEVER			OPTION	○	

MODEL			PC600	PC81CA	PC800
CHASSIS MODEL			VPC24	5PC33	VPC23
WEIGHTS	Max. operating weight	kg (lbs)	78 (172)	96 (212)	109 (240)
	Operating weight	kg (lbs)	72 (159)	95 (209)	102 (225)
PERFORMANCE	Centrifugal force	kN (lbs) [kgf]	11.8 (2,650) [1,203]	17.7 (3,965) [1,805]	16.2 (3,640) [1,650]
	Frequency	Hz (vpm)	100.0 (6,000)	106.7 (6,400)	97 (5,820)
	Working speed	m/min (ft/min)	25–30 (82–98)	20–25 (66–82)	25–30 (82–98)
DIMENSIONS	Overall length **L**	mm (in)	975 (38.4)	880 (34.5)	915 (36)
	Overall width **W**	mm (in)	650 (13.8)	485 (19)	500 (19.7)
	Overall height **H**	mm (in)	910 (35.8)	790 (32)	960 (37.8)
	Vibrating plate **W x L**[1]	mm (in)	350 x 520 (13.8 x 20.5)	485 x 480 (19 x 19)	500 x 585 (19.7 x 23)
ENGINE	Make / Model		HONDA / GX120	HONDA / GX160	
	Type		Gasoline, Air cooled, 4 cycle, 1 cylinder		
	Max. output	kW(HP)/min^{-1}	2.9 (3.9) / 4,000	3.9 (5.2) / 3,800	4.0 (5.4) / 4,000
	Starting system		Recoil starter		
VIBRATION SYSTEM			Eccentric shaft type		
FLUID CAPACITY	Fuel tank	L (gal)	2.5 (0.66)	3.1 (0.82)	3.6 (0.95)
SPRINKLER SYSTEM			OPTION		
ROTATING PLATE			○		
BODY PROTECTION GUARD			○		
SIMPLE TRANSPORT WHEELS			OPTION	–	OPTION
TRANSPORT WHEELS			OPTION		–
FOLDABLE HANDLE			○	–	
THROTTLE LEVER			–	OPTION	–

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SAKAI

MASTERS OF COMPACTION

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Tokyo Factory, Global Service Division,
Technical Development Division.

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