

Mikasa

CONSTRUCTION EQUIPMENT



Mikasa 

www.mikasa.pl



Aries Power Equipment LTD.
Distributor of Mikasa Machines for countries:
Poland, Lithuania, Latvia, Estonia

 *japońskie maszyny*
ariespower

MKSC201602-15W



CONTENTS



Mikasa thinks HARMONY is of the highest importance. The above logo (symbol mark) is representative of this concept. We harmonize excellence under all conditions and situations: HUMANS, MACHINES and SOCIETY. We are developing products and would like to promote the MIKASA BRAND with the concept of "HARMONY" as our key value.

"HUMANS"
We seek HARMONY with our customers to build confidence and trust.

"MACHINE"
We set out to develop products that reflect diversified needs to be harmonized mutually for today and the future.

"SOCIETY"
We create products developed to be in harmony with nature and the environment. We make every effort to develop products based on this core philosophy and that pays careful attention to HUMANS, MACHINES and SOCIETY.

ICONS

	e-Electric Start		Twin Cyclone Air Filter
	Compas II Compaction Sensor		Maintenance Hour Meter
	Vibration Absorbing System		Low Center of Gravity
	4 stage Air Filter		Water Tank
	Double Air Filter (3 stage)		Diameter
	Cyclone Air Filter		

Weight includes weight of machine, lubricants, 50% of fuel and 50% of water in case with water tank option. Features and specifications are subject to change without notification.

:Diesel :Petrol

Concrete Cutter

japońskie maszyny
ariespower



SHARKY 400(85kg)

↓
Cutting Depth
130mm



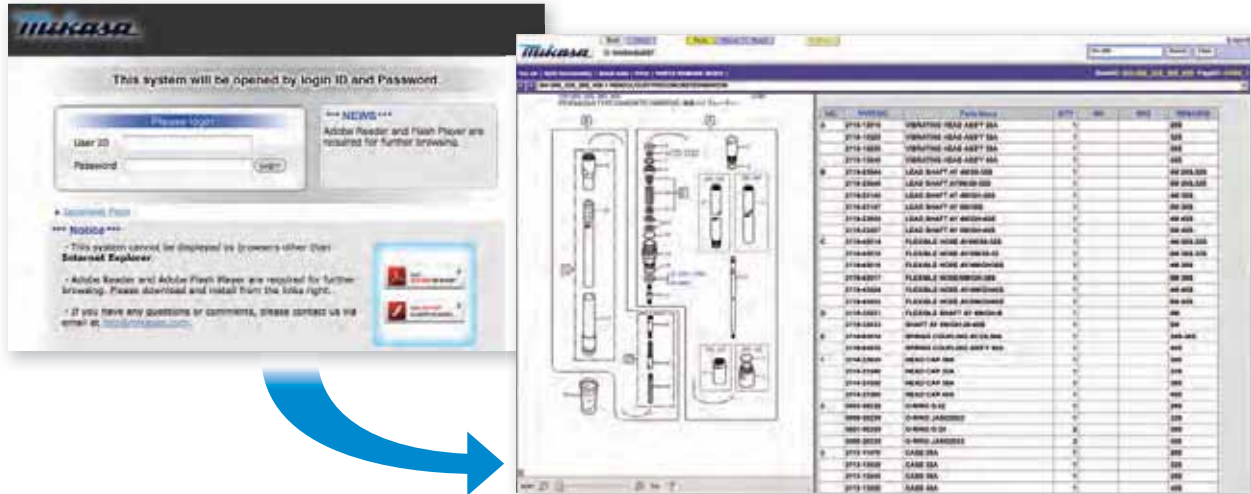
SHARKY 352 (54kg)

↓
Cutting Depth
115mm

MCD Specifications

model	weight (kg)	dimensions (mm)	blade size (mm)	Cutting depth (mm)	Max blade RPM	Arbor size (mm)	Depth adjustment system	Cooling water tank [liter]	Power Source [PS]
SHARKY 352	54	L:960 W:450 H:820	300-350	115	3100	1"	Central	20	HONDA GX200 5,5KM/3600
SHARKY 400	85	L:1000 W:500 H:920	350-400	130	2800	1"	Recoil, Central	40	HONDA GX270 8,0KM/3600

“Welcome to MIKASA World!” Contact to www.mikasa.com



2016!
MIKASA
NEWS

MIKASA Genuine products launched new Bar-Code system for improve Distribution system



Main Plant

since 1954'



Tatebayashi (Japan) 1

since 1962'



Kasukabe (Japan) 1

since 2010'



TLIPII (Vietnam)



1

Global Network since 1964'



since **1964'** we started export We have **60** or more Our Distributor Network in the world.

MIKASA NEWS Multilingual Instruction Manual

Official instruction Manual
8 Languages available



- English
- French
- Russian
- Chinese
- Portuguese
- Italian
- Spanish
- German

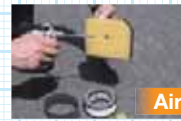
English Spare parts list and Service manual also available.



- English
- Polish

MIKASA NEWS How to use Maintenance Hour Meter

Air Filter



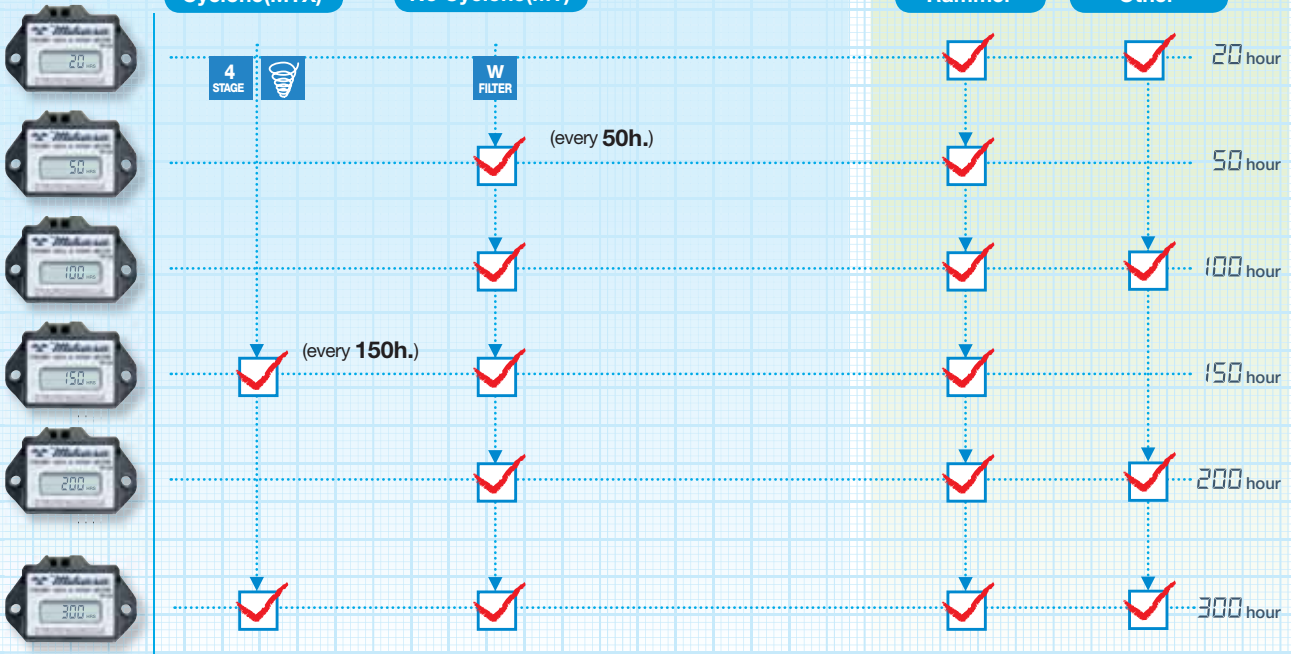
Cyclone(MTX)

No Cyclone(MT)

Engine Oil

Rammer

Other





TAMPING RAMMER

Tamping Rammer (MTX series).....	7
Tamping Rammer (MT series)	8

4 Stage Air Cleaner System



4 STAGE TWIN

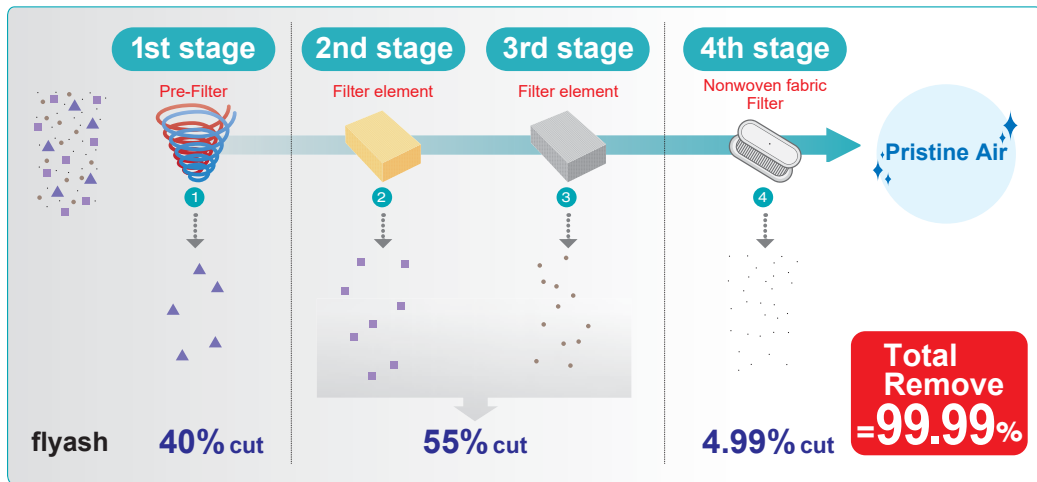
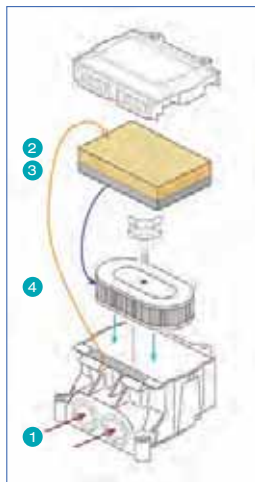
Large Twin Cyclone Air Cleaner

Large twin cyclone air cleaner has **300%** the dust holding capacity of our previous designs. (MTXseries)



Bahrain

Easy maintenance



① Run



R.P.M.

② Stop



Hour



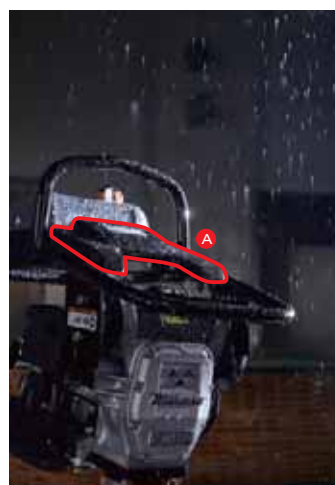
MTX series

2in1

Maintenance Hour Meter

- ① **Engine R.P.M.**
When it is running, it shows R.P.M. and you can check it easily.
- ② **Operating Time**
When it is stopped, it shows Total Operating time and managing its runtime is easy.

360° Protection



Engine Protection A

Protect the engine from rain and dust. (MT-55L)



Engine Protection B C

The material of the side guard and engine guard is made of highly durable, superior shock-resistant resin that protects the entire surface of the engine.

Power-Packed Rammer

Force
9.8 ~ 15.6 kN
×
Number
644 ~ 698
impact per minute
×
Stroke
30 ~ 80 mm

SOIL DENSITY

Loose Soil (poor load support)	Compacted Soil (improved load support)

Each stroke fully tamps 30 to 80mm.
This tamping height varies from model to model

Outstanding Operability

VAS

Low vibration

Normal

Vibration Absorbing System Handle

The Tamping Rammer utilizes a newly designed Vibration Absorbing System Handle that reduces **30 or 40 %** for vibration transferred to your hands (compared to our normal handle models) to work more efficiency.



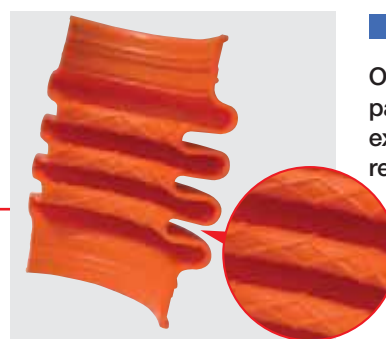
Throttle Lever with fuel cutoff mechanism interlocked kill-switch



- ① Fuel Valve
- ② Engine Stop Switch
- ③ Accelerating for Running / Stopping



Reliable
Responsible
Ready to Rental



Original Robust Bellows

Our bellows designed with meshed-pattern inner wall delivers an extremely stable tamping stroke that resists twisting.



Original Rugged Foot

The foot is metal sheet assembly made from wear resistant and high tensile strength steel. Mikasa's original base shape and process of forming a one piece pressed foot allows the rammer to operate undeterred even on hard surfaces.

Tamping Rammer

HEAVY DUTY

MTX series

- The newly designed clutch drum is designed to automatically eject wear particles via centrifugal force.
- The anti-vibration rubber handle features a safety pin design that prevents the handle from detaching from the frame when it is damaged.



● Large Twin Cyclone Air Cleaner



● VAS Handle

MTX-60 (64kg)



● EVAPO Certificate



● Maintenance Hour Meter



● Throttle Lever with fuel cut off mechanism inter locked kill switch



● Engine Guard



MTX-70 (75kg)



W. 285

14,9 kN

+ Option



W. 114 W. 165

H. 340

W. (mm)	H. (mm)
114 -165	340

Dia MTX-70

W. (mm)	H. (mm)
114 -165 - 20	340



W. 265

10,1 kN

MTX Specifications

model	weight (kg)	dimensions (mm)	plate size (mm)	jumping stroke (mm)	impact force kN (kgf)	impact number per min.	fuel tank capacity (lits)	engine kW (KM)
MTX-60	64	H.: 1025 W.: 350 L.: 713	W.: 265 L.: 340	50-80	13,6 (1.390)	644-695	2,5	GX100 2,1 (2,9)
MTX-70	75	H.: 1027 W.: 350 L.: 788	W.: 285 L.: 340		14,9 (1.520)			
MTX-80	93	H.: 1027 W.: 350 L.: 788	W.: 285 L.: 340		15,6 (1590)			

Tamping Rammer

MTX series



MTR-40F

W
FILTER

W. 100~150



MTX-80 (93kg)



15,6 kN

W. 285

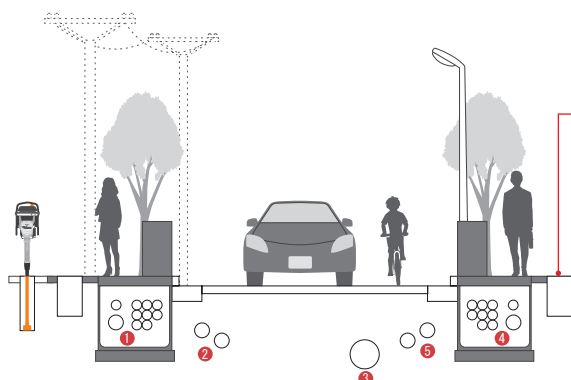
+ Option



For MTR-40F

W. (mm)	H. (mm)
100	H.1: 305
120	H. 2: 500 / H. 3: 800

! Point

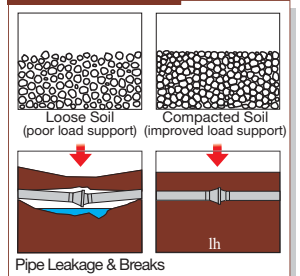


● Utility Trench Setting

- 1 Electric, Phone
- 2 Optical Fiber Cable
- 3 Sewerage Pipe
- 4 Multi-Purpose Utility Tunnel
- 5 Water Supply Pipe



SOIL DENSITY



model	weight (kg)	dimensions (mm)	plate size (mm)	jumping stroke (mm)	impact force kN (kgf)	impact number per min.	fuel tank capacity (lits)	engine kW (KM)
MTR-40F	46	H.: 1110 W.: 350 L.: 620	W.: 150 H.: 270	40-55	4.9-5.4 (500-550)	644-695	2,0	Subaru EH09-2F 2,1 (2,8)



Water pumps

Daishin company motto is: "We faithfully do our best to light a candle in a corner of this world." This means Daishin's goal is to become a company where customer satisfaction is the primary goal of all employees. We achieve this goal by continuously developing and producing safe useful products. Daishin main goal is to provide high-class machines with superior usability and performance, equivalent to machines for professionals and a large group of individual consumers.

SMD-50HXW, SMD-80HX

Advantages and benefits

- Debris size capacity to 30mm
- Oil Alert
- Diaphragmatic,
- Possible dry running
- For dirty water
- High quality and durability
- Easy to transport (frame)

SWT-50, SWT-80, SWT-100

Advantages and benefits

- Debris size capacity to 30mm
- Cast Iron Volute and Impeller
- Removable inspection Cover
- Oil Alert
- For dirty water
- High efficiency
- Durable - for use in the most difficult tasks
- Easy to transport



SMD-50HXW



SMD-80HX



SWT-50



SWT-80



SWT-100

DaiShin Water pumps Specifications

model	dry weight (kg)	dimensions (mm)	Max. discharge capacity (l/min)	Pressure (bars)	Max. total head (m)	Max. suction head (m)	Debris size capacity (mm)	Inlet/outlet diameter mm/ inches - thread type	Power source KW (PS)
SMD-50HXW	37,5	614X370X510	120	1,5	15	8	25	50/2,0-PF	GX 120 max.output 2,6 (3,5)/3600
SMD-80HX	45	660X420X540	240	1,5	15	8	30	80/3,0-PF	GX 160 max.output 3,6 (4,8)/3600
SWT-50	50	630x450x560	600	2,6	26	8	20	50/2,0-PF	GX 160 max.output 3,6 (4,8)/3600
SWT-80	62	670x485x610	1300	2,8	28	8	31	80/3,0-PF	GX 270 max.output 6,3 (8,4)/3600
SWT-100	81	745x525x660	2000	2,4	24	8	31	100/4,0-PF	GX 390 max.output 8,7(11,7)/3600



PLATE COMPACTOR

Plate Compactor	13
Bully Plate Compactor	15



Astonishing Durability

Special Ductile Compaction Baseplate

The compactor uses a highly durable ductile compaction baseplate that takes durability to another level
(MVC-40GB,50GB,T90,T100)



Design for Low center of gravity and Increasing the thickness of back part.

Rugged double compaction baseplate design

The back part of the compaction baseplate where wear is most prominent is a double baseplate design to deliver better durability when patching road surfaces or for other kinds of construction work.
(MVC-F60, F80)

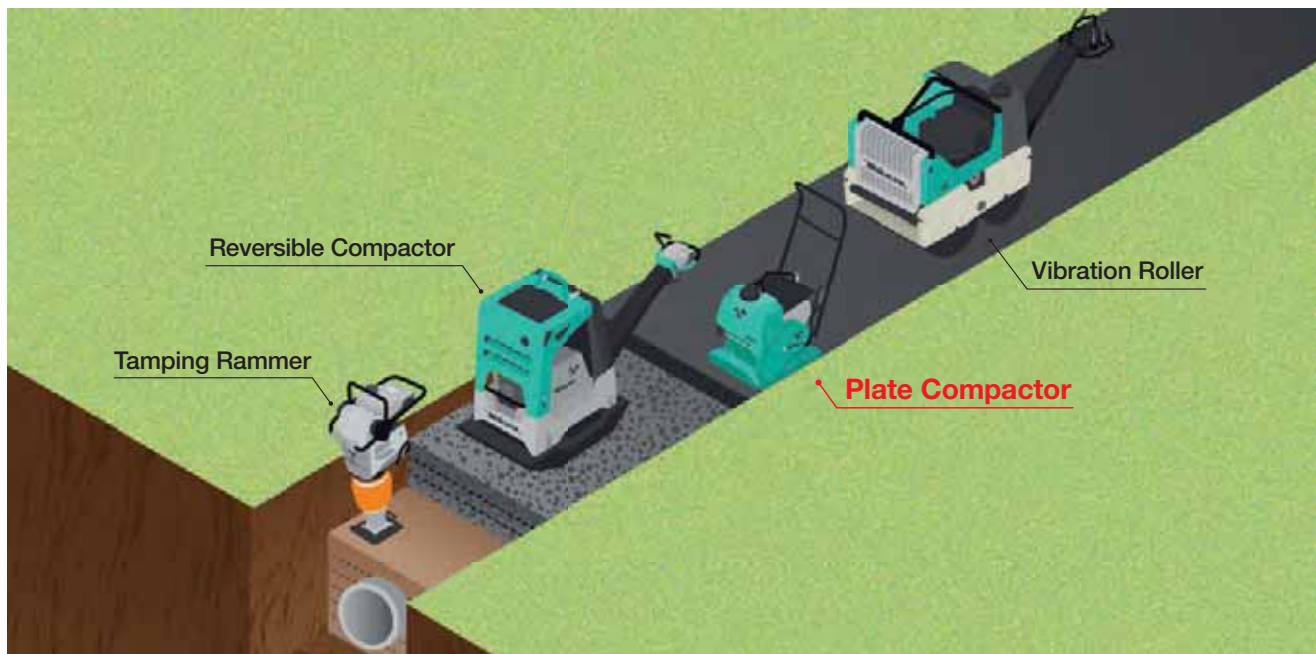


Self lubricated vibrator system

Patented

A vibrator which supplies oil in a vibrator case by using the rotation of an eccentric pendulum gives a proper lubricating action to the bearings and makes the vibrator more durable.
(MVC-T90)

Edge to Edge specialist



+ Option

Sprinkle water tank

For MVC-50GB



For MVC-F60



For MVC-F80-T90



Shut out Dust



4 Choice Standard Handle + 3 type of Unique Handle

VAS Handle

Vibration Absorbing System Handle to reduce hand-arm vibration.



Cart of revolving type (MVC-F60 · F80 · T90)



Knob for fixed handle
(F60 · F80)



Stopper for storing cart
(F60 · F80)



Wire for fixed handle
(T90)

Lifting hook

The lifting hook is equipped as standard and makes loading and unloading the compactor easily.



Cart of revolving type

For MVC-F60·F80·T90



Cart of standard type

For MVC-F60·F70



Plate Compactor

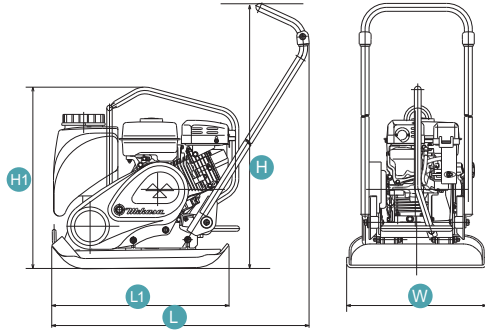
Heavy Duty line

NEW

MVC-T90 VAS
(104kg)



[15.0kN]



MVC-F60 VAS
(79kg)



[10.1kN]

MVC-F80 VAS
(90kg)



[13.7kN]

+ Option

■ Maintenance Hour Meter TP-22 available 1



■ Rubber Mat (Reversible Design) 2



Warsaw, Poland

model	HAV (Hand Arm Vibration) (M/sec)
MVC-F60H VAS	3.3
MVC-F80H VAS	3.8
MVC-T90H VAS	2.1

Remarks:

HAV is measured in comply with EU Directive 2002/44/EC. Value is shown as 3 axis maveraged. Test course is in comply with EN500-4.

Test course:

Crushed gravel 3 axis Min. vibration level

MVC Specifications

model	weight (kg)	dimensions (mm)	plate size (mm)	vibrating frequency Hz (V.P.M.)	centrifugal force(max) kN (kgf)	max.traveling speed (m/min)	max.limited gradeability (%)	power source kW (PS)
MVC-F60H VAS	78	H : 1,000 H1 : 590 L : 930	W : 350 L1 : 570	93 (5,600)	10.1 (1,030)	25	35	Honda GX120 max.output 2.6 (3.5)
MVC-F80H VAS	90	H : 1,000 H1 : 570 L : 930	W : 450 L1 : 570		13.7 (1,400)			GX160 max.output 3.6 (4.9)
MVC-T90H VAS	104	H : 950 H1 : 560 L : 1,050	W : 500 L1 : 525	100 (6,000)	15.0 (1,530)			Honda GX160 max.output 3.6 (4.9)

Inter-Locking Block Plate

MVB-85(92kg)

- Give interlocking blocks an even finish.
- The machine's hard rubber rollers make it virtually impossible to drag corner chips and small rocks that leave behind scratches along the surface of the blocks.
- The MVB-85 is capable of exerting compaction pressure alongside walls.



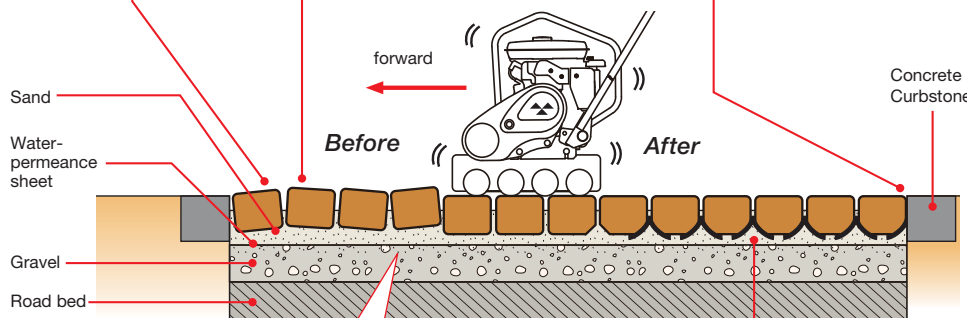
VAS available

! Point

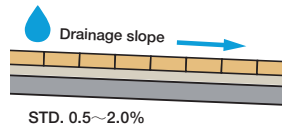
360° FLAT OUT



Easy to pull back

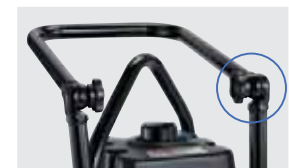


In order to create a robust water gradient for rainwater to flow on the sand layer, it is crucial that reliable compaction work be done at the roadbed making stage. Mikasa's Reversible compactors and Rammers are indispensable to your roadbed compaction work.

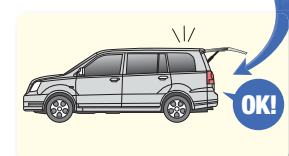


The sand will gradually rise from bottom and increase its adhesion because of the vibrations. So you don't need to buy expensive sand and saving money.

Folding Handle



You can fold the handle without any tools and load on Light Van.



MVB•MVC Specifications

model	weight (kg)	dimensions (mm)	plate size (mm)	vibrating frequency Hz (V.P.M.)	centrifugal force (max) kN (kgf)	power source kW (PS)
MVB-85	92	H : 918 H1 : 646 L : 890	(rubber roll) W : 320 Dia : 73	93 (5,600)	10.1 (1,030)	Subaru EH12-2D max.output 2.6 (3.5)

Plate Compactor

- Modern design
- Heavy duty, compact structure
- New and durable v-belt cover made of fiberglass
- Strong, centralized exciter unit make excellence performance
- Machines Made in Poland!

BULLY 110(116kg)



[21kN]



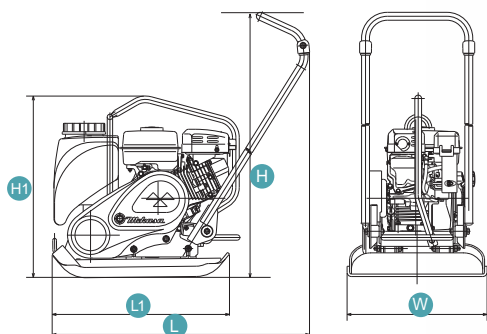
W.500

BULLY 90(99kg)



[18kN]

W.450



MVC Specifications

model	weight (kg)	dimensions (mm)	plate size (mm)	vibrating frequency Hz (V.P.M.)	centrifugal force(max) kN	max.traveling speed (m/min)	max.limited gradeability (%)	power source kW (PS)
BULLY 90	99,5	H:1000 H1:580 L:1200	W: 450 L1:650	98	18	25	35	Honda GX160 max.output 3.6 (4.9)
BULLY 110	116	H:1020 H1:580 L:1160	W: 500 L1:650		21			

REVERSIBLE COMPACTOR

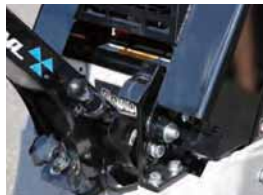
Reversible Compactor (Compaction Sensor Models) 19
Reversible Compactor 20



Getting you on the job as quickly and absolutely as possible

Patented Vibration Absorbing System Handle

The Vibration Absorbing System handle reduces hand-arm vibration. Even if use long time, the burden for your body is not large.



Patented forward/reverse control lever

The control lever has been engineered with a built-in actuator that improves the forward/reverse switch over operational response so that you can smoothly switch over between forward and reverse.



Oslo, Norway

Tough and rugged body, and advanced engineering to prevent damage

The compactor is designed monocoque structure integrated with front cover



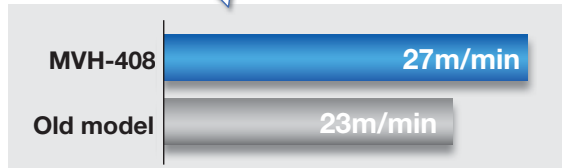
The light weight and highly rugged front cover protects engine from gravel or external damage, and benefit easy maintenance, and enable to wash by high pressure pump. (MVH-208,209, 308,408,508)

Low center of gravity Design

Travel speed comparison

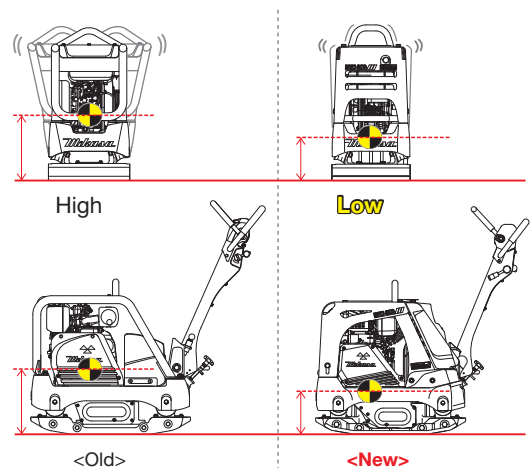
The compactor's travel speed is 20% faster with the new designed compaction plate.

Approx. **20%** faster!



Integrated vibrating plate

Brand-new Vibrating Plate made by advanced Automotive technology. Hardness level is equivalent FCD600, but Toughness equivalent FCD450.



Cyclone pre cleaner equipped as standard has 400% superior dust filtering efficiency. (compared with our previous models)

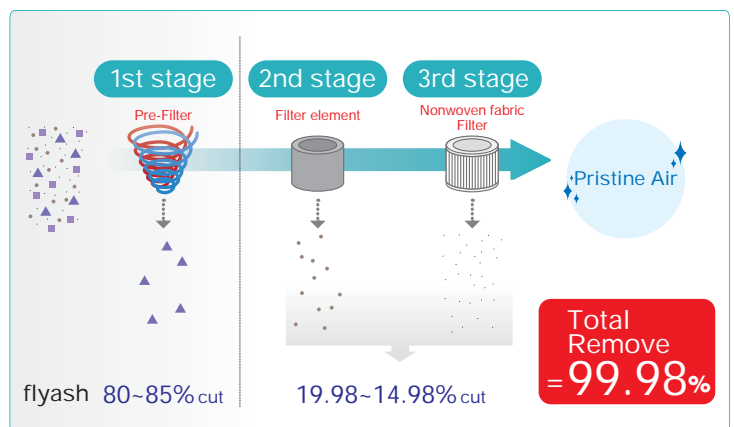
We have placed cyclone pre cleaner inside of rear cover which has superior dust filtering efficiency and it improves maintenance efficiency. For MVH-508, a high-powered twin cyclone pre cleaner suited for the large engine is equipped.



Cyclone pre cleaner (MVH-208-209-308-408)

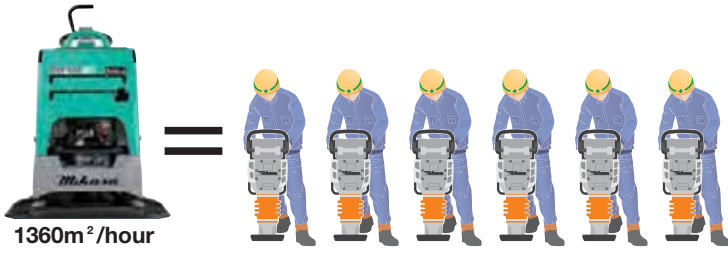
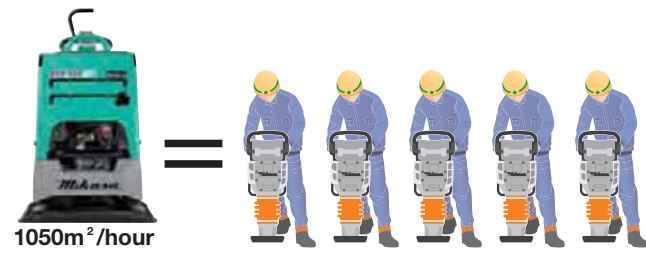
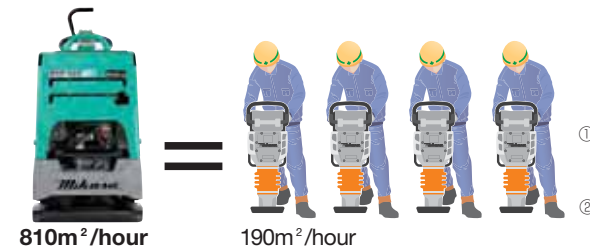


Twin cyclone pre cleaner (MVH-508)



Saving your time

Extension Plate



Compaction Area/Hour

MODEL	Operating Weight	Impact Force Centrifugal Force	Width		Travel Speed	Travel Distance/hour	Compaction Area/hour
	kg		mm	m (A)			
MT-65H	66	1300	285	0.285	12	720	205.2
① MT-72FW	74	1400	285	0.285	11	660	188.1
MVH-308DSY	341	4600	445	0.445	27	1620	720.9
MVH-408DSY	407	5100	500	0.500	27	1620	810.0
MVH-508DSZ	525	6600	650	0.650	29	1740	1131.0

① 0.285m (A) x 11m/min. x 60min/hour = 188.1m²/hour
 ② 0.500m (A) x 27m/min. x 60min/hour = 810m²/hour

+ Option

Extension Plate

For MVH-308, 408, 508 (75,150mm)



Compaction Sensor

Poor ground or soft ground

The moisture content is too high, therefore the lamps will not illuminate any further. In some cases, the number of lamps that light up will decrease. See graph 2

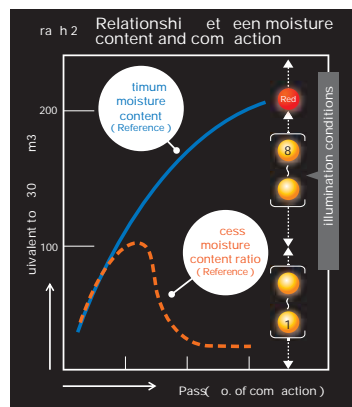
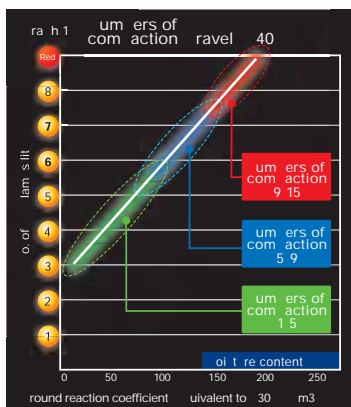
Compaction limit Poor ground or soft ground (Yellow lamp: 1-8 Red lamp: Illumination) See graph 1



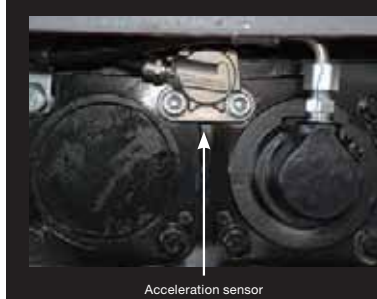
Click here for movie



[Remarks]
 The LED lamps of the compaction sensor do not show the absolute value of the soil rigidity. When using this machine always conduct tests such as the plate load test and dynamic load test (FWD) to determine the correct soil rigidity suitable for the work, and do calibration of the actual measured value and the LED illumination level.



Relationship between soil rigidity and LED lamps



The number of LED lamps that are lit is proportional with the soil rigidity. If the moisture content of the soil is too high, its rigidity may drop even after compactions are repeated, and because of this, the number of illuminated LED lamps will also decrease.

Product features: MVH-308DS-PAS

Reversible Compactor

(Compaction Sensor Models)

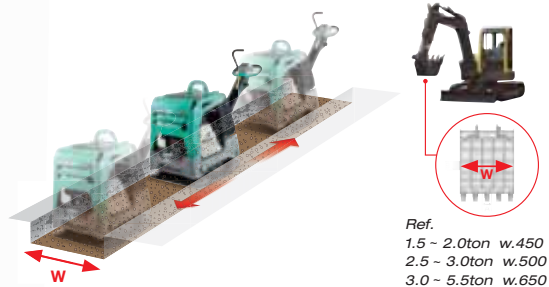
HEAVY DUTY

MVH-308DS-PAS

(345kg)



Compaction Sensor



MVH-408DS-PAS

(408kg)



MVH-508DS-PAS

(525kg)



! Point



Self locking system



Lifting hook

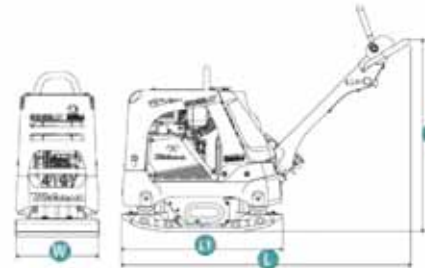
MVH Specifications

model	weight (kg)	dimensions (mm)	plate size (mm)	vibrating frequency Hz (V.P.M.)	centrifugal force (max) kN (kgf)	max. traveling speed (m/min)	max.limited gradeability (%)	power source kW (PS)
MVH-308DSZ-PAS	345	H : 1,030 L : 1,540	W : 445 [595] L1 : 860	73 (4,400)	45.0 (4,600)	27	35	Hatz 1B30 (electric start) max.output 4.9 (6.7)
MVH-408DSZ-PAS	408	H : 1,030 L : 1,570	W : 500 [650] L1 : 900		55.0 (5,600) 50.0 (5,100)	28 27		Hatz 1B50 (electric start) max.output 6.7 (9.1)
MVH-508DSZ-PAS	525	H : 1,070 L : 1,600	W : 650 L1 : 900	69 (4,150)	65.0 (6,600)	29		Hatz 1D81 (electric start) max.output 8.9 (12.1)

For plate size, [Figure] shows plate size with standard Extension plate (75mm) on each side.

Reversible Compactor

MVH-208GH (210kg)



MVH-308DS (345kg)



MVH-408DS (408kg)



MVH-508DS (525kg)



model	weight (kg)	dimensions (mm)	plate size (mm)	vibrating frequency Hz (V.P.M.)	centrifugal force (max) kN (kgf)	max. traveling speed (m/min)	max.limited gradeability (%)	power source kW (KM)
MVH-308DSZ	345 341	H.: 1030 L.: 1540	W.: 445 [595] L.1: 860	73 (4400)	45,0 (4600)	27	35	Hatz 1B30 (electric start) max. output 4,9 (6,7)
MVH-408DSZ	408	H.: 1030 L.: 1570	W.: 500 [650] L.1: 900		55,0 (5600)	28		Hatz 1B50 (electric start) max. output 6,7 (9,1)
MVH-508DSZ	525	H.: 1070 L.: 1600	W.: 650 L.1: 900	69 (4150)	65,0 (6600)	29		Hatz 1D81 (electric start) max. output 8,9 (12,1)
MVH-208GH	210	Szer.: 1010 L.1: 1310	W.: 500 L.1: 720	87 (5200)	37,0 (3772)	27		Honda GX240 max. output 5,3 (7,2)
MVH-209GH	217		W.: 600 L.1: 720			26		Honda GX240 max. output 5,3 (7,2)
MVH-308GH	310	H.: 1030 L.: 1540	W.: 445 [595] L.1: 860	73 (4400)	45,0 (4600)	27		Honda GX270 max. output 6,3 (8,6)
MVH-408GH	364	H.: 1030 L.: 1570	W.: 500 [650] L.1: 900			26	Honda GX390 max. output 8,7 (11,9)	
MVH-508GHS	425		W.: 650 L.1: 900			29	Honda GX390 (electric start) max. output 8,7 (11,8)	

For plate size, [Figure] shows plate size with standard Extension plate (75mm) on each side.

Reversible Compactor

- Smooth forward and reverse driveability make it proper for compaction work in trenches.

MVH-128
(122kg)



W.400

23.5kN

MVH-158
(148kg)



W.430

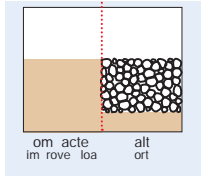
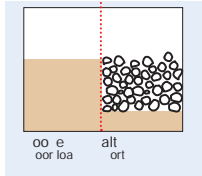
27.0kN

! Point

Asphalt Patching



With sprinkle water tank For MVH-R60

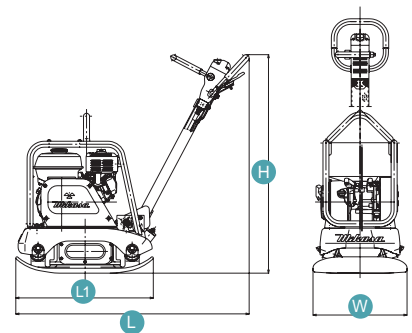


+ Option

Moving Cart For MVH-128-158



Moving Cart For MVH-208



MVH Specifications

model	weight (kg)	dimensions (mm)	plate size (mm)	vibrating frequency Hz (V.P.M.)	centrifugal force (max) kN (kgf)	max. traveling speed (m/min)	max. limited gradeability (%)	power source kW (PS)
MVH-128GH VAS	122	H : 950 L : 1,030	W : 400 L1 : 590	90 (5,400)	23.5 (2,300)	27	35	Honda GX160 max.output 3.6 (4.9)
MVH-158GH VAS	148	H : 980 L : 1,140	W : 430 L1 : 700	90 (5,400)	27.0 (2,750)	27		Honda GX200 max.output 4.1 (5.6)



VIBRATION ROLLER

Vibration Roller 25



Safety Operation

Deadman Brake

The deadman brake prevents accidents when backing up the machine. (Emergency stop device)



Deadman brake

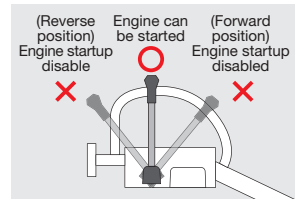
Head Light and Rubber Bumper

The convenient Head Light suited nighttime work is equipped as standard. The Rubber Bumper is equipped as standard to protect the machine from the impact of frontal collisions. (MRH-601/700)



Self-start safety design

Engine self-start is a safety feature that is designed to prevent the engine from starting if the travel lever is not in the neutral position.



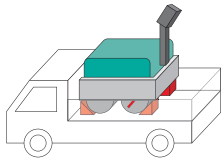
Soft Start

Prevent Drum-mark against surface of paving Asphalt.



Safety Transportation

To transfer safety by a truck



To prevent slide off, be sure to use **parking stopper** and **handbrake**. (MRH-601/700)



Parking drum stopper



Parking brake

Slope runaway preventer

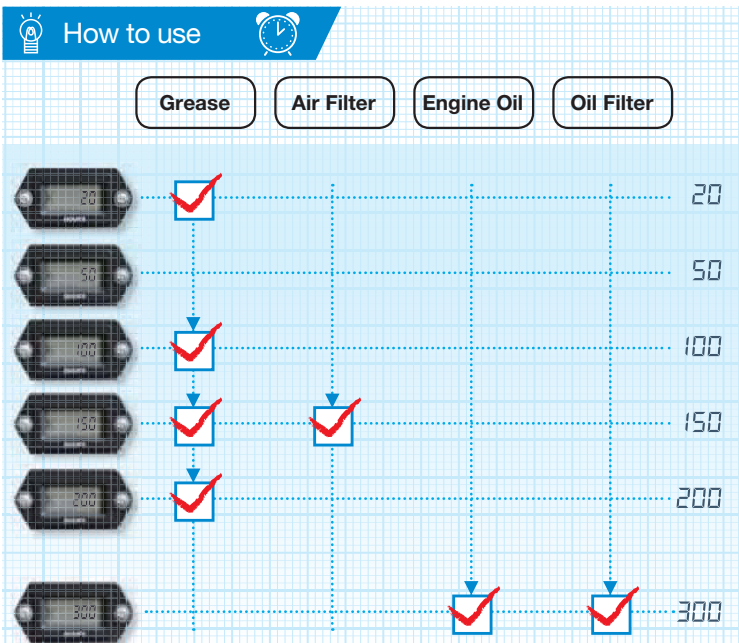


A device that engages when parked on a slope. (When the engine is stopped), always be sure to park the roller on a flat area.

Periodically Maintenance

Maintenance Hour Meter is equipped as standard.

Maintenance hour meter is equipped as standard. It lets you check work and maintenance time. (MRH-601DS, 700DSCB, 900DS)



Hydraulic Pipe Guard



One-Touch-Open Center Cover

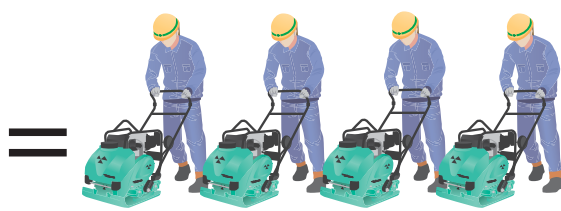


Saving your time

Work efficiency



2,000m²/hour



500m²/hour

Compaction Area/Hour

MODEL	Width		Speed	traveling distance/hour	Compaction area/hour
	mm	m(A)	m/min	m	m ²
① MVC-F60	350	0.350	25	1500	525.0
② MRH-601DS	650	0.650	50	3000	1950.0
MRH-700DS					
MRH-900DS					

- ① 0.350m (A) x 25m/min. x 60min/hour = 525m²/hour
- ② 0.650m (A) x 50m/min. x 60min/hour = 1,950m²/hour

Designed with for superb visibility

Its low-center of gravity design lets you see easily in front of the roller ensuring you a wide field of vision.

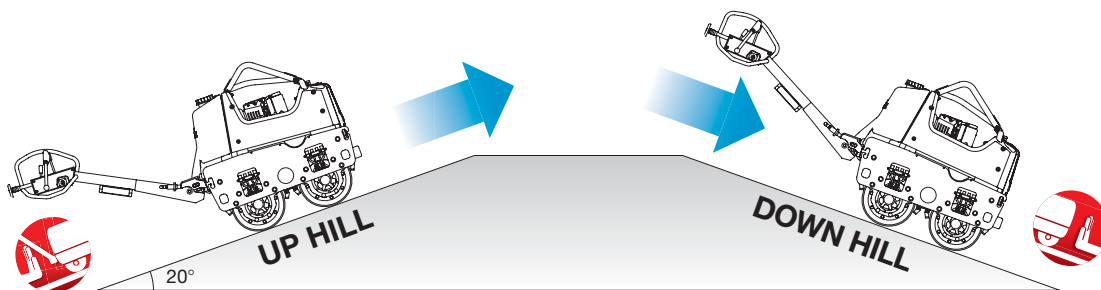


Excellent side clearance

The extremely small clearance between the drum and frame makes aligning easy.



Safety Design for not only up hill but Down hill



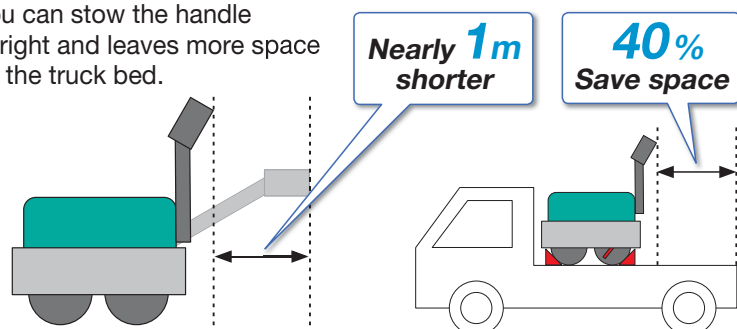
Engine Guard

The side of body flattened by Engine guard as standard equipment lets you work comfortably alongside walls and curbs.



A compact design that requires less space for storage

You can stow the handle upright and leaves more space on the truck bed.



Vibration Roller

- Mikasa's patented strainer and plastic water tank prevents the sprinkler pipes from clogging.
- Dust-proof and Water-proof have been improved and the Durability has increased.
- The Rubber Bumper is equipped as standard to absorb the impact from frontal collisions lessening the damage to the machine.

MRH-601DS (551kg)



● One-Touch Center Cover



● Head Light, Rubber Bumper



● Hydraulic Pipe Guard



● Engine Guard



● Parking Brake



● Parking Drum Stopper



● Deadman Brake



● Buzzer and Light Switch



● Vibration Switch



● Maintenance Hour Meter

MRH Specifications

model	weight (kg)	dimensions (mm)	drum size (mm)	vibrating frequency Hz (V.P.M.)	centrifugal force kN (kgf)	traveling speed (km/h)	max.limited gradeability (%)	water tank (lits)	power source kW (PS)
MRH-601DS (water cooled)	551	H : 1,195 W : 692 L : 2,265	dia : 355 width : 650	55 (3,300)	10.8 (1,100)	0-3	35	30	Kubota EA330 electric start max.output 4.6 (6.3)

NEW

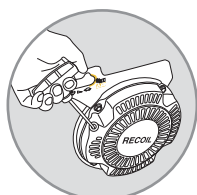
MRH-700DSCB(700kg)



● Maintenance Hour Meter with Battery Checker TP-33DA



● Cyclone Pre Cleaner



● Recoil Start is available. (MRH-700DSCB/700GS)

MRH Specifications

model	weight (kg)	dimensions (mm)	drum size (mm)	vibrating frequency Hz (V.P.M.)	centrifugal force kN (kgf)	traveling speed (km/h)	max.limited gradeability (%)	water tank (lits)	power source kW (PS)
MRH-700DSCB (air cooled)	700	H : 1,170 W : 692 L : 2,670	dia : 406 width : 650	55 (3,300)	23.5 (2,400)	0-3	35	40	Yanmar L100N electric start max.output 5.5 (7.5)

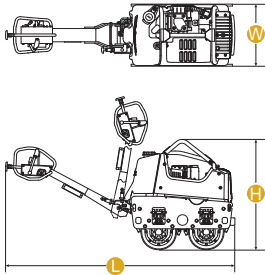
Vibration Roller

HEAVY DUTY

- High Durability for Hydraulic Motor against Dust.
- Maintenance Hour Meter as Standard Equipment.
- Strong Side Cover to Protect Machine Body from Impact.

NEW

MRH-900DS (870kg)



● Key Start System



● Front Guard Bumper



● Two-Stage Cyclone Filter



● Auto Parking Brake System

● Water Tank 60L



● Hold-to-Run Handle



● Deadman Brake



● Recoil Start is available.



● Maintenance Hour Meter with Battery checker TP-33DA



● Manual Storage Box



● ON/OFF Lever for Vibration of Mechanical Clutch System

MRH Specifications

model	weight (kg)	dimensions (mm)	drum size (mm)	vibrating frequency Hz (V.P.M.)	centrifugal force kN	traveling speed (km/h)	max.limited gradeability (%)	water tank (lits)	power source kW (PS)
MRH-900DSY (air cooled)	870	H : 1,255 W : 704 L : 2,600	dia : 406 width : 650	55 (3,300)	16.8	0-3	35	60	Yanmar L100N electric start max.output 7.4 (10.0)
MRH-900DSZ (air cooled)				52.5 (3,150)	17.2				Hatz 1B40 electric start max.output 7.3 (9.9)



CUTTER & BLADE

Concrete Cutter	31
Dust Collecting Type Dry Cutter	33
Mikasa Original Diamond Blade	34
Pavement Surface Cleaner	35

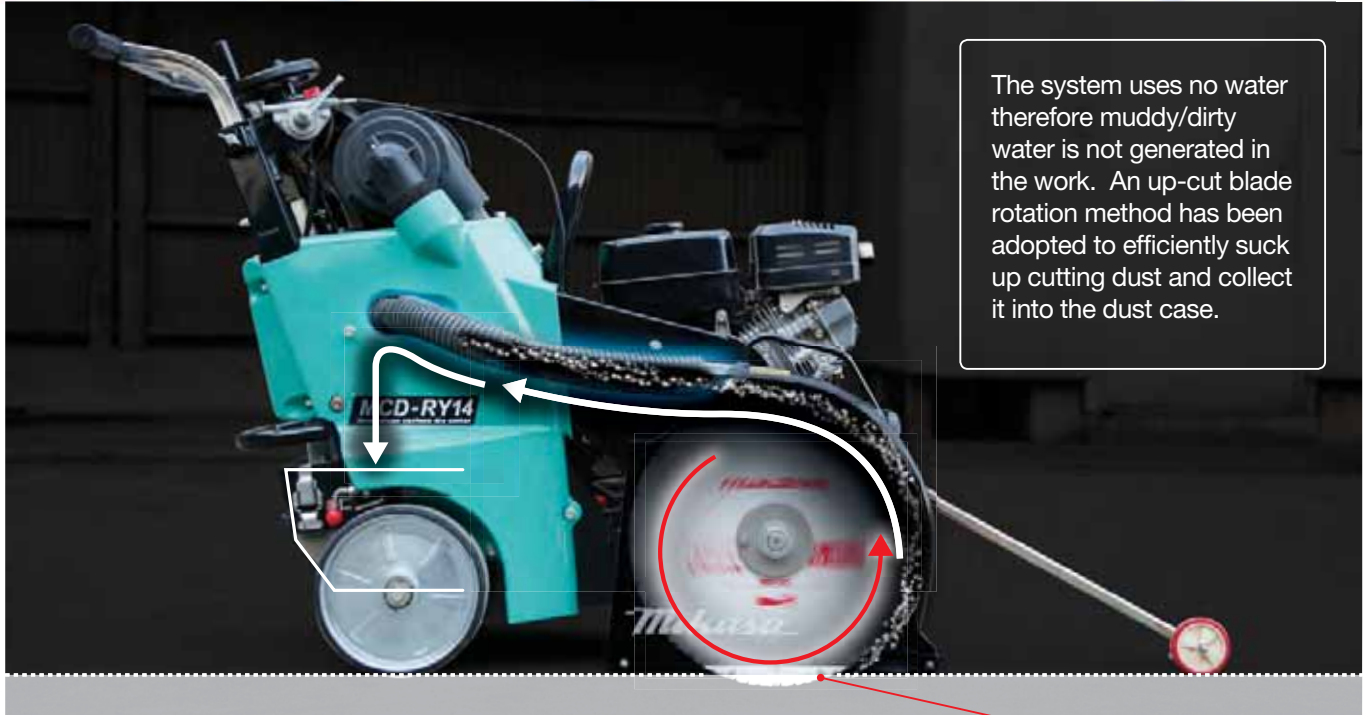


Dry type

Available soon

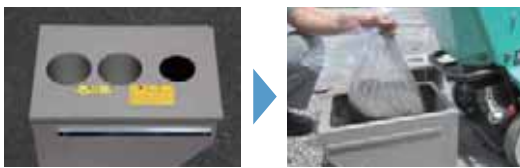
(MCD-RY14)

Water-less **Dry Cutting** and **Dust Collecting** system



99.9% of the cutting dust is collected into the dust case

Equipment for outstanding functionality



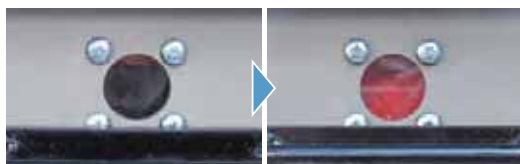
Cutting dust is collected into the dust case. Just put the collected cutting dust in a common household plastic bag and dispose of it.

LED Indicator and Buzzer for full of dust case



LED indicator

Buzzer



Level gauge

As soon as the dust case reaches a full tank, you can recognize by LED indicator, buzzer and level gauge.



■ Road surface following type noise absorbing blade cover



■ Cutting Line Position



■ One-Touch Parking Brake



■ Vibration Absorbing System Handle



■ Maintenance Hour Meter TP-22



■ Cutting Gauge



■ Dry Filter



■ Dry Cut Blade

Max Depth

100mm



Wet type

(MCD-214 · 218 · 012A · L14)

Equipment for outstanding functionality



Maintenance Hour Meter TP-22
(MCD-218CEH)



Differential Lock Mechanism
The rear wheels are equipped with a differential lock mechanism for better straight-line stability. (MCD-210 series)



e-Electric Start
(MCD-218CEH)



Drain Water Pipe
The tank can be easily cleaned and drained of water to prevent it from freezing. (218VDX)



Lifting Hook
The convenient lifting hook for loading or unloading is equipped as standard.

Semi-Auto Drive Model



The semi-self-propelled cutter is equipped in two models with attachable blades sizes spanning from 10" (smallest) to 18" (largest). (MCD-218)

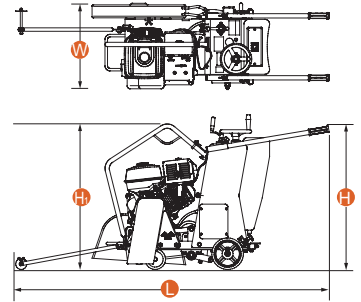


Concrete Cutter

HEAVY DUTY

- Mikasa concrete cutters have cutting depth range from 70mm to 170mm
- Attachable blade sizes are from 10" (254mm) to 18" (457mm).
- The various models are available to accommodate at any job site.
- The compact and light sizes walk-behind models make it easy loading or unloading.

MCD-218CEH (184kg) with Maintenance Hour Meter



● Maintenance hour meter (for MCD-218CEH)



● Semi self propeling
● Plastic water tank



● e-Electric start (for MCD-218CEH)



● Parking brake (012A · L14 · 218CEH)



● Double water pipe for cooling both sides of blade



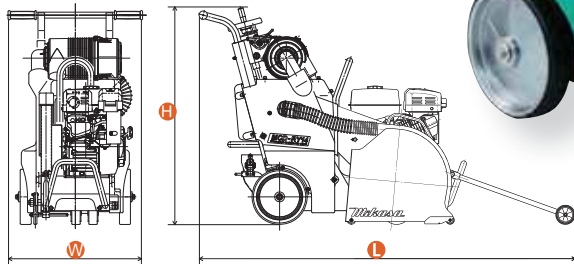
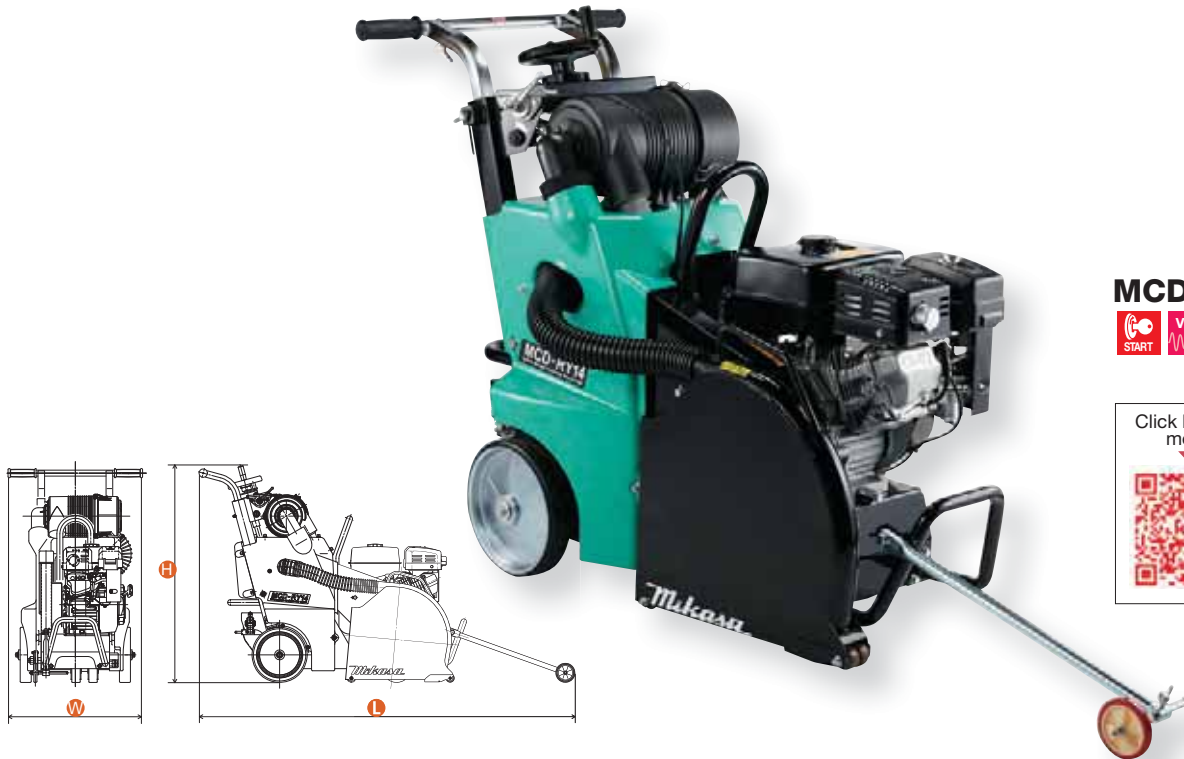
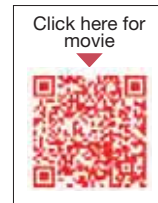
● Belt cover

● One-Touch Blade Cover

Cutting Depth
170mm

Dust Collecting Type Dry Cutter

MCD-RY14(142kg)



Examples of use

[When using the asphalt blade]

- Cutting the asphalt pavement of sidewalks and ditches for facility construction
- Pipeline construction of sewer pipes
- Section cutting jobs around light poles, guardrails and manholes
- Joint cutting (3-5 cm) in green concrete (within 72 hours after casting for unreinforced concrete)

[When using the concrete blade]

- Facility construction of concrete (unreinforced) warehouses and sidewalks



● VAS handle



● Maintenance hour meter



● Dry filter



● Cutting gauge



● Warning LED lamp for dust collection bag change 2



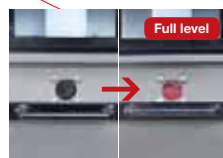
● Warning buzzer for dust collection bag full 2



● One-touch parking brake



● Sliding dust case (Capacity 20L) 1



● Dust case level gauge 2



● Cutting line position



● Road surface following type noise absorbing blade cover

MCD Specifications

model	weight (kg)	dimensions (mm)	blade size mm (inch)	cutting depth mm (inch)	arbor size (mm)	adjusting for cutting depth	cooling system	power source kW (PS)
MCD-RY14	142	H : 970 W : 610 L : 1,679	319 (12") 370 (14")	50 (2") 100 (4")	27	manual lifting screw system	centrifugal injection type	Subaru EX27DS electric start max.output 6.6 (9.0)

1 Cutting dust is collected into dust case.

2 LED lamp, buzzer and level gauge let you know dust case full.

Concrete Cutter

- Safety switch and blade's cover sensor increasing safety work for operator
- Lifting hook help in transportation, lifting and loading by lifter or excavator.
- Depth cutting indicator allow constant checking of cutting depth.
- Smooth depth regulator easy to adjust.
- Stable 4-wheels undercarriage make easy to drive.
- Cyclone cleaner increase life of engines SHARKY 400/500.

SHARKY 500(90kg)



● Cyclone cleaner increase life of engines SHARKY 400/500.



● Depth cutting indicator allow constant checking of cutting depth.



Warsaw, Poland

↓
**Cutting Depth
180mm**



● Smooth depth regulator easy to adjust.



● Safety switch and blade's cover sensor increasing safety work for operator

MCD Specifications

model	weight (kg)	dimensions (mm)	blade size [mm]	Cutting depth [mm]	Max blade RPM	Arbor size [mm]	Depth adjustment system	Cooling water tank [liter]	Power Source [PS]
SHARKY 500	95	L:1000 W:500 H:920	400-500	180	2200	1"	Recoil, central	40	HONDA GX390 11,0KM/3600