

CONSTRUCTION EQUIPMENT



- TAMPING RAMMER
- COMPACTOR
- VIBRATION ROLLER
- CUTTER & BLADE
- CONCRETE VIBRATOR
- SPECIAL CONSTRUCTION EQUIPMENT

MIKASA researches, develops, and manufactures compact construction machinery, including our main product, the Tamping Rammer, in Japan, and sells our products worldwide.



We aim to contribute to people and societies around the world through interactive communication and creating bonds with our customers, “one and only” technology and productivity, development and design that are considerate of the earth’s environment – and harmony among these principles.

MIKASA SANGYO Co.,Ltd.
President

A blue ink signature of Hironari Kyoya.

Hironari Kyoya

Global Network

The MIKASA brand is widely recognized on a global basis. Our brand image established over many years of marketing activity is “reliable, trustworthy, high quality.” Our solid partnership with agencies and dealers in countries over the world, and the bond of our network, is our pride and is continuing to expand today.



Reliable Support Structure

MIKASA believes nothing is more important than faithfully responding to our customers. As such, it is also one of our strengths. We endeavor to communicate honestly with our customers and partners, and to reflect feedback in every process of our work cycle, from the designing stage to



backup services after products are sold. The Web search function for machinery parts, sales training programs, and service sessions are just some examples of feedback reflected.

Unique Technology and Productivity

MIKASA has worked diligently toward developing “one and only” innovative technologies that respond to changing times and diversifying needs. The new MTX-Series product line is the embodiment of our material and immaterial knowhow. The quality of 100% made-by-Japan products manufactured in ISO14001 certified factories, where there is no compromise in maintaining high levels of improvement, is the base of our reliability.



Environment-conscious

MIKASA recognizes a growing need for harmony with the earth's environment. We aim to contribute to society not only with design concepts that minimize the burden on people and the earth, but also with the spirit of “Think, HARMONY” which takes into consideration what is best overall – for humans, machines and society.



Company History with continuous growth

- 1937** The first trading company "Mikasa Trade Shokai" is founded to import machine tools.
- 1950** The company name is altered to "Mikasa Sangyo Co., Ltd."
- 1961** Tamping Rammer model MTR-60 is manufactured for the first time in Japan.
- Mid 60'** Export to each country becomes active.
- 1986** The first entry to BAUMA exhibition.
- 2002** Shanghai Mikasa sales company is founded in China.
- 2007** ISO 14001 certification is acquired. 70th Anniversary
- 2008** Mikasa new logo color.
- 2012** Mikasa Vietnam Co., Ltd. was established as local corporation (Manufacturing Base) in Vietnam.



Original MTR-60



ISO9001



ISO14001



Mikasa Vietnam Co., Ltd.

Tamping Rammer

- Outstanding body balance maximizes work efficiency and minimizes operator's fatigue
- Ergonomic, streamlined, eye appealing design
- Meticulous attention to safety and operator's comfort
- Fewer frequent maintenance cycles in routine operation!

DESIGN "Against predictability"

- Three dimensional CAD aided design has let to a new worldwide industry first and unique design of reinforced plastic covers shrouding the upper structure of the MTX rammer to give it form, yet never interfering with functionality or the outstanding body balance.

TECHNOLOGY Technological evolution reached new dimensions



Fuel system

A 2.5 liter fuel tank is incorporated in the ergonomic design equipped with a line filter installed between the fuel tank and environmentally friendly diaphragm carburetor acting as a double-filter system.

Handle roll bar

A new more rigid material allows the rammer to be loaded into pick up trucks using the handle roll bar.



Air cleaner

A completely redesigned large, twin cyclone air cleaner has 3 times the dust holding capacity (DHC) of previous designs and significantly will increase engine life.

Foot assembly

A patented process of forming a one piece pressed foot assembly has been improved and new longer durability is achieved for the foot even during the severe operation on previously compacted areas.

MTX-70



**Original Hour Meter
(hours of operation) and
Tachometer (engine rpm)
as standard**



Throttle lever

The newly designed throttle lever interlocks with the fuel cock and engine stop switch, enabling operation idling and stopping by one lever operation.



Handle

The new handle is an integrate design element of the HAV system and features a new safety pin design that prevents handle detachment in cause of major damage.

Engine side covers

The engine side covers resist shock and guard the engine and protect the recoil starter.



Primer pump

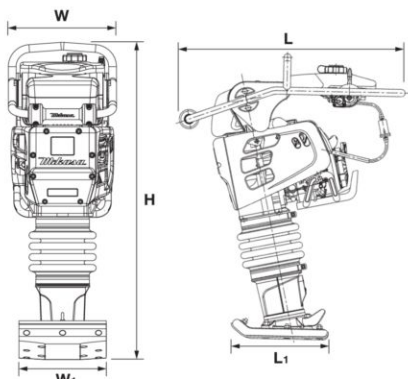
Primer pump for easy start.

Tamping Rammer

MTX-60·70·80

**MTX**Series

MTX-60



MTX-70



MTX-80



MTX Line up

Engine Model	Honda:GX100 gasoline max.output 2.1kW (2.9PS)		Subaru:ER12 gasoline max.output 2.6kW (3.5PS)		Subaru:EH12 gasoline max.output 2.6kW (3.5PS)	
	Diaphargm Carb.	Float Carb.	Diaphargm Carb.	Float Carb.	Diaphargm Carb.	Float Carb.
MTX-60	MTX-60E	MTX-60FE	MTX-60ER	MTX-60FER	—	—
MTX-70	MTX-70E	MTX-70FE	MTX-70ER	MTX-70FER	—	—
MTX-80	—	—	MTX-80ER	MTX-80FER	—	—
MTX-80	—	—	—	—	MTX-80E	MTX-80FE

MTX / Specifications

model	weight	dimensions	plate size	jumping stroke	impact force	impact number per min.	fuel tank capacity (lits)
MTX-60	64kg	H: 1,025mm W: 350mm L: 713mm	W1:265mm L1:340mm	50-80mm	13.6kN (1,390kgf)	644-695	2.5
MTX-70	75kg	H: 1,027mm W: 350mm L: 788mm	W1:285mm L1:340mm	50-80mm	14.9kN (1,520kgf)	644-695	2.5
MTX-80	82kg (Subaru:ER12)	H: 1,027mm W: 350mm L: 788mm	W1:285mm L1:340mm	50-80mm	15.6kN (1,590kgf)	645-679	2.5
MTX-80	83kg (Subaru:EH12)	H: 1,027mm W: 365mm L: 788mm	W1:285mm L1:340mm	50-80mm	15.6kN (1,590kgf)	642-679	2.5

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.

Tamping Rammer

MT-55·55L·65H·72FW·84F·76D
MTR-40F



Features



① Fuel Tank Cap



② Mikasa Original Throttle lever



③ Pre-cleaner



③ Pre-cleaner (inside)

MT-65H

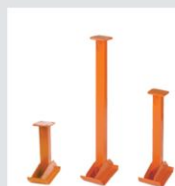
W



MT Series

Option

extension narrow shoe



MTR-40F



MT-55/72FW

For MTR-40F

wide(mm)	height(mm)
100	300
120	500-800

For MT-55

wide(mm)	height(mm)
114·150·165·200	340

For MT-72

wide(mm)	height(mm)
114·150·165·200	340



④ Handle roll bar



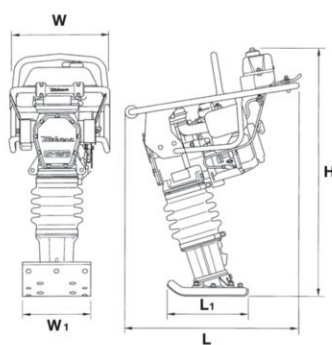
⑤ Bellows



Aluminum Diecasting Blower Housing (MT-55)


MTR-40F

MT-55

MT-55L

MT-72FW

MT-84F

MT-76D

MT / Specifications

model	weight	dimensions	plate size	jumping stroke	impact force	impact number per min.	fuel tank capacity (lits)	power source
MTR-40F	46kg	H: 1,110mm W: 350mm L: 620mm	W1:150mm L1:270mm	40-55mm	5.4kN (550kgf)	644-695	2.0	Subaru EH09-2F max.output 2.1kw(2.8PS) gasoline
MT-55	57kg	H: 1,030mm W: 350mm L: 680mm	W1:265mm L1:340mm	30-70mm	9.8kN (1,000gf)	644-695	2.0	Subaru EH09-2F max.output 2.1kw(2.8PS) gasoline
MT-55L	62kg	H: 1,025mm W: 350mm L: 715mm	W1:265mm L1:340mm	30-70mm	9.8kN (1,000gf)	644-695	2.0	Subaru EH09-2F max.output 2.1kw(2.8PS) gasoline
MT-65H	66kg	H: 1,070mm W: 370mm L: 730mm	W1:285mm L1:340mm	50-80mm	12.7kN (1,300kgf)	644-695	2.0	Honda GX100 max.output 2.1kW(2.9PS) gasoline
MT-72FW	74kg	H: 1,045mm W: 415mm L: 730mm	W1:285mm L1:340mm	50-75mm	13.7kN (1,400kgf)	642-679	2.5	Subaru EH12-2D max.output 2.6kW(3.5PS) gasoline
MT-72FWA	74kg	H: 1,025mm W: 415mm L: 713mm	W1:285mm L1:340mm	40-60mm	11.8kN (1,200kgf)	642-679	2.0	Subaru EH12-2D max.output 2.6kW(3.5PS) gasoline
MT-84F	84kg	H: 1,025mm W: 415mm L: 730mm	W1:285mm L1:340mm	50-80mm	15.7kN (1,600kgf)	660-698	2.5	Subaru EH12-2D max.output 2.6kW(3.5PS) gasoline
MT-76D	82kg	H: 1,010mm W: 410mm L: 740mm	W1:285mm L1:340mm	50-80mm	15.7kN (1,600kgf)	656-698	3.3	Yanmar L48N max. output 3.5kW(4.7PS) diesel

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.

Plate Compactor

MVC-40GB·50GB·F60R/H·F70R/H
F80R/H·T90R/H·T100D

Features

- Environmentally friendly product design.
- From the MVC-F60 to the MVC-T100D, the series comprises a wide range of products to meet customers needs in a variety of sites.
- The Mikasa VAS plate compactor range features handles with Mikasa's original vibration absorbing system.

water tank
removable without tools
self-contained water shut-off valve

Guard frame protects engine and serves as lift bar

MVC-T90R/H

Aluminum Die Casting Belt Cover
high heat radiation in cover to increase durability of V-belt

Reinforced plate structure at rear for extra strength.
It gives high durability

Self cleaning design minimizes sand and gravel build up

Option



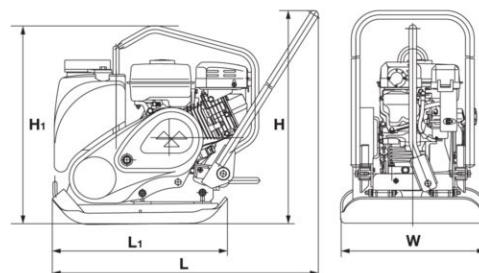
Transport Wheel
(MVC-F60 · F70 · F80)



Water Tank

Capacity for

50GB	8.5 l
F60·F70	11 l
F80	13 l
F82	11 l
T90·T100D	13 l



MVC / Specifications

model	weight	dimensions	plate size	vibrating frequency	centrifugal force(max)	max.traveling speed(max)	limited gradeability(max)	power source
MVC-40GB (Folding Handle)	46kg(47kg)	H: 920mm H1: 590mm L: 855mm	W: 290mm L1: 420mm	103Hz (6,200V.P.M)	7.2kN (730kgf)	25m/min	35%	Subaru EH09-2F gasoline max.output 2.1kw(2.8PS)
MVC-50GB (Folding Handle) <Folding Handle/ water tank>	59kg (60kg) <67kg>	H: 920mm H1: 545mm L: 865mm <L:925mm>	W: 345mm L1: 460mm	97Hz (5,800V.P.M)	9.8kN (1,000kgf)	25m/min	35%	Subaru EX13D gasoline max.output 3.2kW(4.3PS)
MVC-F60R MVC-F60H	74kg 73kg	H: 860mm H1: 590mm L: 905mm	W: 350mm L1: 510mm	93Hz (5,600V.P.M)	10.1kN (1,030kgf)	25m/min	35%	Subaru EX13D gasoline max.output 3.2kW(4.3PS) Honda GX120 gasoline max.output 2.6kW(3.5PS)
MVC-F70R MVC-F70H	81kg	H: 860mm H1: 590mm L: 905mm	W: 420mm L1: 510mm	93Hz (5,600V.P.M)	12.0kN (1,220kgf)	25m/min	35%	Subaru EX17D gasoline max.output 4.2kW(5.7PS) Honda GX160 gasoline max.output 3.6kW(4.9PS)

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.

MVC-40G : Water tank is not available.

MVC-40GB

MVC-50GB

MVC-F60R/H

MVC-F70R/H

MVC-F80R/H

MVC-T100D

MVC / Specifications

model	weight	dimensions	plate size	vibrating frequency	centrifugal force(max)	max.traveling speed(max)	limited gradeability(max)	power source
MVC-F80R MVC-F80H	87kg	H: 860mm H1: 570mm L: 915mm	W: 450mm L1: 570mm	93Hz (5,600V.P.M)	13.7kN (1,400kgf)	25m/min	35%	Subaru EX17D gasoline max.output 4.2kW(5.7PS) Honda GX160 gasoline max.output 3.6kW(4.9PS)
MVC-T90R	102kg	H: 825mm H1: 598mm L: 1,100mm	W: 500mm L1: 525mm	100Hz (6,000V.P.M)	15.0kN (1,530kgf)	25m/min	35%	Subaru EY20-3D gasoline max.output 3.7kW(5.0PS)
MVC-F90H	101kg	H: 825mm H1: 560mm L: 1,100mm	W: 500mm L1: 525mm	100Hz (6,000V.P.M)	15.0kN (1,530kgf)	25m/min	35%	Honda GX160 gasoline max.output 3.6kW(4.9PS)
MVC-T100D	106kg	H: 825mm H1: 650mm L: 1,100mm	W: 500mm L1: 525mm	100Hz (6,000V.P.M)	15.0kN (1,530kgf)	25m/min	35%	Yanmar L48N diesel max.output 3.5kW(4.7PS)

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.

Plate Compactor

MVC-90BG·110DA



MVC-90BG



MVC-110DA

MVC / Specifications

model	weight	dimensions	plate size	vibrating frequency	centrifugal force(max)	max. traveling speed(max)	limited gradeability (max)	power source
MVC-90BG	81kg	H: 720mm H1: 625mm L: 1,160mm	W: 500mm L1: 560mm	97Hz (5,800 V.P.M)	15.2kN (1,550kgf)	25m/min	35%	Subaru EH17-2D gasoline max.output 3.7kW(5.0PS)
MVC-110DA	125kg	H: 925mm H1: 535mm L: 1,130mm	W: 520mm L1: 670mm	97Hz (5,800 V.P.M)	21.6kN (2,200kgf)	25m/min	35%	Subaru DY27-2D diesel max.output 4.4kW(6.0PS)

Special Compactor for Pavement Compaction

MVB-85·MVC-90RB



MVB-85



MVC-90RB



MVB·MVC / Specifications

model	weight	dimensions	roller size	vibrating frequency	centrifugal force(max)	power source
MVB-85	92kg	H: 918mm W: 376mm L: 890mm	(rubber roll) W: 320mm Dia: 73mm	93Hz (5,600 V.P.M)	10.1kN (1,030kgf)	Subaru EH12-2D gasoline max.output 2.6kW(3.5PS)
MVC-90RB	158kg	H: 826mm W: 642mm L: 1,060mm	(rubber roll) W: 556mm Dia: 86mm	97Hz (5,800 V.P.M)	15.2kN (1,550kgf)	Subaru EH17-2D gasoline max.output 3.7kW(5.0PS)

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.
MVC-90BG, MVC-110DA : Water tank is not available.

VAS Series

"Mikasa Original Vibration Absorbing System"

Eliminates HAV(Hand Arm Vibration)

MVC-F60 VAS·F80 VAS
F82 VAS·T90 VAS·T100D VAS

MVC-F60 VAS



MVC-F80 VAS



MVC-F82 VAS



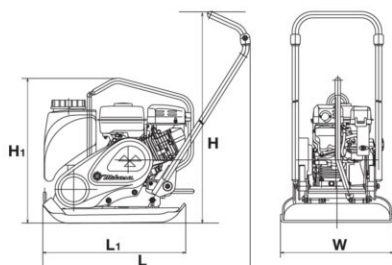
MVC-T90 VAS



MVC-T100D VAS



Revolving type moving cart



	HAV (Hand Arm Vibration) (m/sec ²)
MVC-F60R VAS	3.2
MVC-F60H VAS	3.3
MVC-F80R VAS	3.5
MVC-F80H VAS	3.8
MVC-F82R VAS	3.5
MVC-F82H VAS	3.5
MVC-T90H VAS	2.1
MVC-T100D VAS	2.3

Remarks:

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

Test course:

Crushed gravel 3 axis
Min. vibration level

MVC / Specifications

model	weight	dimensions	plate size	vibrating frequency	centrifugal force(max)	max. traveling speed(max)	limited gradeability (max)	power source
MVC-F60R VAS MVC-F60H VAS	79kg 78kg	H: 1,000mm H1: 590mm L: 930mm	W: 350mm L1: 570mm	93Hz (5,600 V.P.M)	10.1kN (1,030kgf)	25m/min	35%	Subaru EX13D gasoline max.output 3.2kW(4.3PS) Honda GX120 gasoline max.output 2.6kW(3.5PS)
MVC-F80R VAS MVC-F80H VAS	90kg	H: 1,000mm H1: 570mm L: 930mm	W: 450mm L1: 570mm	93Hz (5,600 V.P.M)	13.7kN (1,400kgf)	25m/min	35%	Subaru EX17D gasoline max.output 4.2kW(5.7PS) Honda GX160 gasoline max.output 3.6kW(4.9PS)
MVC-F82R VAS MVC-F82H VAS	90kg	H: 965mm H1: 570mm L: 970mm	W: 450mm L1: 570mm	93Hz (5,600 V.P.M)	13.7kN (1,400kgf)	25m/min	35%	Subaru EX17D gasoline max.output 4.2kW(5.7PS) Honda GX160 gasoline max.output 3.6kW(4.9PS)
MVC-T90H VAS	104kg	H: 950mm H1: 560mm L: 1,050mm	W: 500mm L1: 525mm	100Hz (6,000 V.P.M)	15.0kN (1,530kgf)	25m/min	35%	Honda GX160 gasoline max.output 3.6kW(4.9PS)
MVC-T100D VAS	116kg	H: 950mm H1: 650mm L: 1,050mm	W: 500mm L1: 525mm	100Hz (6,000 V.P.M)	15.0kN (1,530kgf)	25m/min	35%	Yanmar L48N diesel max.output 3.5kW(4.7PS)

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.

Reversible Compactor

MVH-308DS-PAS · 408DS-PAS · 508DS-PAS

MVH-308DS-PAS



Compas II



Mikasa original diesel tachometer and hourmeter (MVH-308·408·508) built-in battery checker

Compaction sensor (Compas II) Features

Features

- Compaction sensor (Compas II) can check the rigidity of the soil quantitatively by the acceleration sensor mounted on the vibrating part, and this makes compaction work more efficient.
- The number of compactions required to get the target soil hardness is clarified, thus the work time can be saved.



- Green lamp flashing: Vibration is not normal.



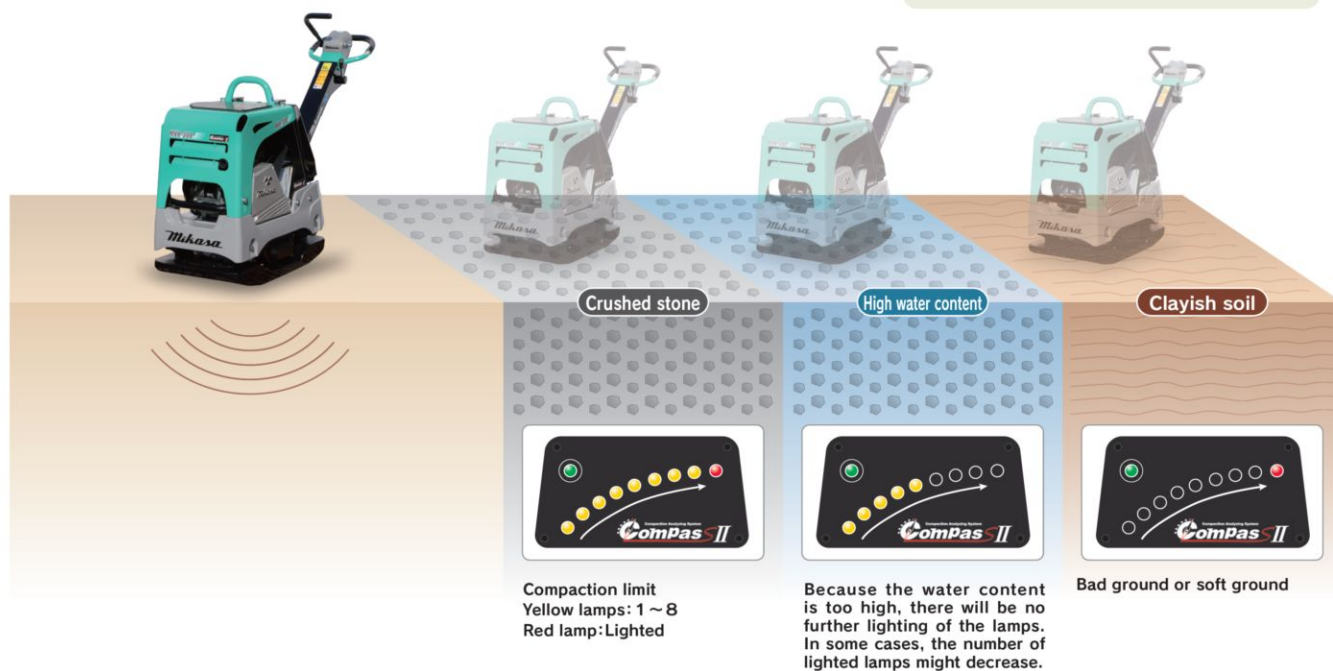
- Only green and red lamps lighted: Bad ground or soft ground
- Only green and red lamps flashing: Failure such as disconnection



- Example of lighted LED lamps
Yellow: 1 ~ 8
Red: Compaction limit

※ Red lamp indicating compaction limit does not necessarily light up. Depending on the condition of the soil, the target ground hardness may be reached before the red lamp lights up.

※ Because compaction assist mechanism is equipped, the level of compaction is shown real-time by LED lamps. Operator is assisted by this visual compaction level indicator.

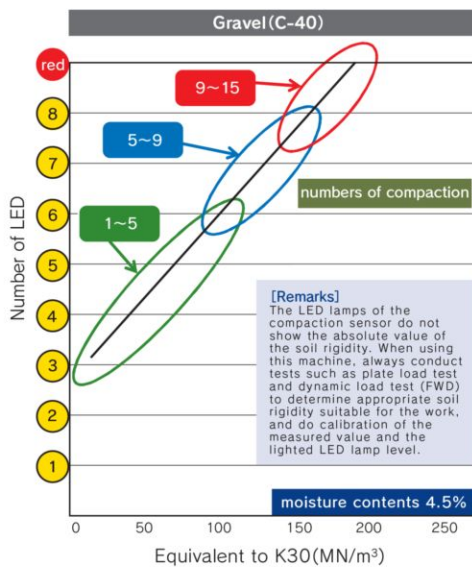
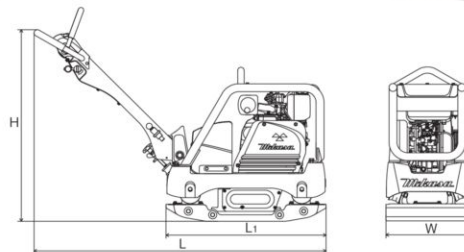




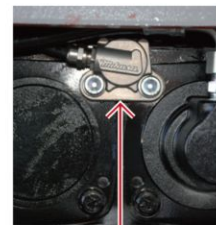
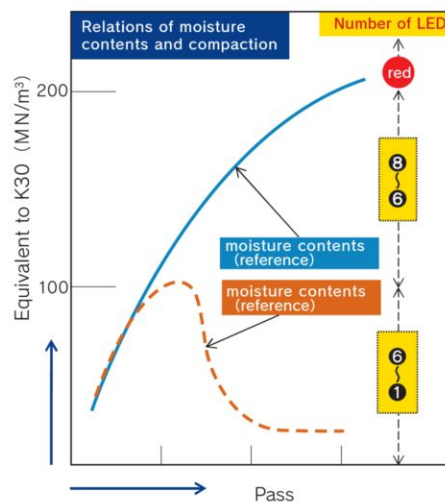
MVH-408DS-PAS



MVH-508DS-PAS



※ product features MVH-308DS-PAS



acceleration sensor

Relationship between soil rigidity and LED lamps

- The number of lighted LED lamps is in proportional relation with the soil rigidity.
- If water content is high, the soil rigidity might get low even when compactions are repeated, and with that, the number of lighted LED lamps will also decrease.

MVH / Specifications

model	weight	dimensions	plate size	vibrating frequency	centrifugal force(max)	max. traveling speed	limited gradeability (max)	power source
MVH-308DSZ-PAS MVH-308DSY-PAS	345kg 341kg	H: 1,030mm L: 1,540mm	W: 445mm (595mm) L1: 860mm	73Hz (4,400 V.P.M)	45.0kN (4,600kgf)	27m/min	35%	Hatz 1B30 diesel(electric start) max.output 4.9kW(6.7PS) Yanmar L70N diesel(electric start) max. output 4.9kW(6.7PS)
MVH-408DSZ-PAS MVH-408DSY-PAS	408kg 407kg	H: 1,030mm L: 1,570mm	W: 500mm (650mm) L1: 900mm	73Hz (4,400 V.P.M)	55.0kN (5,600kgf) 50.0kN (5,100kgf)	28m/min 27m/min	35%	Hatz 1B50 diesel(electric start) max.output 6.7kW(9.1PS) Yanmar L100N diesel(electric start) max. output 6.3kW(9.1PS)
MVH-508DSZ-PAS	525kg	H: 1,070mm L: 1,600mm	W: 650mm (800mm) L1: 900mm	69Hz (4,150 V.P.M)	65.0kN (6,600kgf)	29m/min	35%	Hatz 1D81 diesel(electric start) max. output 8.9kW(12.1PS)

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.

Reversible Compactor

MVH-308DS·408DS·508DS
308GH·308GE·408GH

Features

- The use of monocoque structure (made of one piece steel sheet) front cover enhances protection of the engine against gravel and other objects to prevent damage.
- The front cover widely opens forward to greatly improve the ease of maintenance.
- To improve machine weight balance and to increase rigidity, ductile cast iron is used as material of engine base.
- Vibration transmission efficiency is improved by the use of a base plate having gravity center at lower position and by



Features



MVH-408DS



MVH / Specifications

model	weight	dimensions	plate size	vibrating frequency	centrifugal force(max)	max. traveling speed	limited gradeability (max)	power source
MVH-308DSZ MVH-308DSY	345kg 341kg	H: 1,030mm L: 1,540mm	W: 445mm (595mm) L1: 860mm	73Hz (4,400 V.P.M)	45.0kN (4,600kgf)	27m/min	35%	Hatz 1B30 diesel (electric start) max.output 4.9kW(6.7PS) Yanmar L70N diesel(electric start) max. output 4.9kW(6.7PS)
MVH-408DSZ MVH-408DSY	408kg 407kg	H:1,030mm L: 1,570mm	W: 500mm (650mm) L1: 900mm	73Hz (4,400 V.P.M)	55.0kN (5,600kgf) 50.0kN (5,100kgf)	28m/min 27m/min	35%	Hatz 1B50 diesel(electric start) max.output 6.7kW(9.1PS) Yanmar L100N diesel(electric start) max. output 6.3kW(9.1PS)
MVH-508DSZ	525kg	H:1,070mm L: 1,600mm	W: 650mm (800mm) L1: 900mm	69Hz (4,150 V.P.M)	65.0kN (6,600kgf)	29m/min	35%	Hatz 1D81 diesel(electric start) max. output 8.9kW(12.1PS)

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.

the new vibrator structure, which results in the improvement of travelling performance by about 10 to 20% when compared with the previous machine, greatly enhancing work efficiency.

- The cyclone pre-cleaner mounted as standard equipment is placed inside the rear cover to improve the ease of maintenance. For 508DS/PAS, a twin cyclone pre-cleaner that matches the mounted bigger engine is used. (except MVH-308GE)
- As for the compaction sensor, "Compas II" having a built-in acceleration sensor by a new control method is used to further improve the performance. (MVH-308DS-PAS·MVH-408DS-PAS·MVH-508DS-PAS)
- The industry first tacho-hour meter for diesel engine is introduced as standard equipment. This is Mikasa original new design having built-in battery checker function.
- The hand pump for forward and reverse operation improves response at the time of forward and reverse operation. The built-in accumulator realizes smooth forward to reverse switching operation.



MVH-308DS



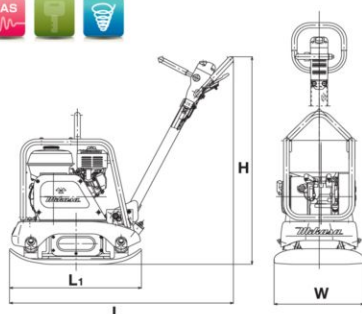
MVH-508DS



MVH-308GH



MVH-408GH



Option			
Extension Plate			
	width (mm)	weight(1set:kg)	set
for MVH-308, 408,508	75	17	1set (2pcs)
	150	23	

MVH / Specifications

model	weight	dimensions	plate size	vibrating frequency	centrifugal force(max)	max. traveling speed	limited gradeability (max)	power source
MVH-308GH	310kg	H: 1,030mm L: 1,540mm	W: 445mm (595mm) L1: 860mm	73Hz (4,400V. P.M)	45.0kN (4,600kgf)	27m/min	35%	Honda GX270 gasoline max. output 6.3kW(8.6PS)
MVH-308GE	307kg	H: 1,030mm L: 1,540mm	W: 445mm (595mm) L1: 860mm	73Hz (4,400V. P.M)	45.0kN (4,600kgf)	27m/min	35%	Subaru EX27 gasoline max. output 6.6kW(9.0PS)
MVH-408GH	364kg	H: 1,030mm L: 1,570mm	W: 500mm (650mm) L1: 900mm	73Hz (4,400V. P.M)	55.0kN (5,600kgf)	28m/min	35%	Honda GX390 gasoline max. output 8.7kW(11.9PS)

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.

Reversible Compactor

MVH-R60 · 120GR/GH · 150GR/GH/D
206GH/DSC · 207GH/DSC
MVH-120GH VAS · 150GH VAS/D VAS

Features

- Mikasa's reversible compactors range from light to heavy duty.
- Light weights models including the R60, the lightest compactor available anywhere, and the MVH-120, our best-selling compactor, are ideal for compacting trenches and finishing surfaces. (MVH-R60 through MVH-150)
- Models equipped with gasoline engines range from light to heavy duty. Choose Honda or Subaru engines. (MVH-R60 through MVH-408)
- Heavy duty models are ideal for compacting foundations. (MVH-206 through MVH-508)
- Models equipped with diesel engines are silent-type reversible compactors installed with sound absorbing materials in the guard frame. (MVH-150D VAS)
- All models comply with the EU Noise Emission Directive 2005/88/EC (2004/14/EC)



MVH-R60



MVH-120GR/GH



MVH-150GR/GH/D

MVH-207GH/DSC



Mikasa original gasoline tachometer and engine hour meter (for MVH-206GH/207GH)

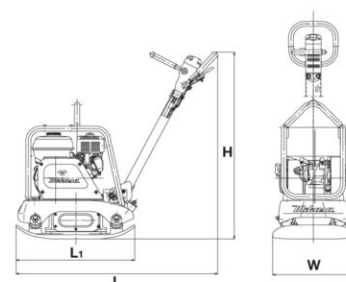


MVH-R60 Water tank (8.5 ℓ)

MVH-120GH VAS

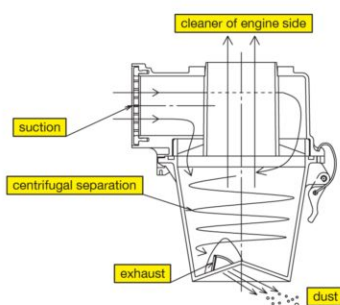


MVH-150D VAS



Cyclone makes

- Approx. 4 times DHC (Dust Holding Capacity) against single cleaner
- Blow out coarse dust automatically with centrifugal effect (see fig)
- Reduce clogging at main cleaner
- Finally extend maintenance cycle dramatically !



Mikasa cyclone series(MVH-206 ~ 508 diesel engine)
Cyclone pre-cleaner increase filterability dramatically!
Most suitable for harsh environment

MVH / Specifications

model	weight	dimensions	plate size	vibrating frequency	centrifugal force(max)	max. traveling speed (max)	limited gradeability (max)	power source
MVH-R60	68kg 69kg	H: 880mm L: 886mm	W: 350mm L1: 480mm	100Hz (6,000V.P.M)	15.0kN (4,600kgf)	25m/min	35%	Honda GX120 gasoline max. output 2.6kW(3.5PS) Subaru EX13D gasoline max. output 3.2kW(4.3PS)
MVH-120GR MVH-120GH	118kg 116kg	H: 900mm L: 1,030mm	W: 400mm L1: 585mm	100Hz (6,000V.P.M)	22.5kN (2,300kgf)	23m/min	35%	Subaru EH17-2D gasoline max. output 3.7kW(5.0PS) Honda GX160 gasoline max. output 3.6kW(4.9PS)
MVH-150GR MVH-150GH	164kg 150kg	H: 920mm L: 1,130mm	W: 430mm L1: 700mm	90Hz (5,400V.P.M)	27.0kN (2,750kgf)	25m/min	35%	Subaru EH25-2D gasoline max. output 5.9kW(8.0PS) Honda GX200 gasoline max. output 4.1kW(5.6PS)
MVH-150D	150kg	H: 920mm L: 1,130mm	W: 430mm L1: 700mm	90Hz (5,400V.P.M)	27.0kN (2,750kgf)	25m/min	35%	Subaru DY23-2D diesel max. output 3.7kW(5.0PS)
MVH-206GH	208kg	H: 1,100mm L: 1,380mm	W: 500mm L1: 720mm	87Hz (5,200V.P.M)	35.0kN (3,570kgf)	23m/min	35%	Honda GX240 gasoline max. output 5.3kW(7.2PS)
MVH-206DSC	238kg	H: 1,100mm L: 1,380mm	W: 500mm L1: 720mm	87Hz (5,200V.P.M)	35.0kN (3,570kgf)	23m/min	35%	Yanmar L70N diesel (electric start) max. output 4.9kW(6.7PS)
MVH-207GH	214kg	H: 1,100mm L: 1,380mm	W: 600mm L1: 720mm	87Hz (5,200V.P.M)	35.0kN (3,570kgf)	22m/min	35%	Honda GX240 gasoline max. output 5.3kW(7.2PS)
MVH-207DSC	244kg	H: 1,100mm L: 1,380mm	W: 600mm L1: 720mm	84Hz (5,200V.P.M)	32.9kN (3,570kgf)	22m/min	35%	Yanmar L70N diesel (electric start) max. output 4.9kW(6.7PS)
MVH-120GH VAS	118kg	H: 990mm L: 1,130mm	W: 400mm L1: 585mm	100Hz (6,000V.P.M)	22.5kN (2,300kgf)	23m/min	35%	Honda GX160 gasoline max. output 3.6kW(4.9PS)
MVH-150GH VAS	152kg	H: 920mm L: 1,130mm	W: 430mm L1: 700mm	90Hz (5,400V.P.M)	27.0kN (2,750kgf)	25m/min	35%	Honda GX200 gasoline max. output 4.1kW(5.6PS)
MVH-150D VAS	160kg	H: 920mm L: 1,130mm	W: 430mm L1: 700mm	90Hz (5,400V.P.M)	27.0kN (2,750kgf)	25m/min	35%	Yanmar L48N diesel (electric start) max. output 3.5kW(4.7PS)

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.

Vibration Roller

MRH-501DS·601DS·700DSA·700DSCA

Features

- Mikasa vibration rollers use hydraulic pump and hydraulic motor drive systems for precise navigation and easy maintenance.
- Standard equipment: Front safety bumpers, working of light, plastic water tank, center cover, dead-man safety lever, hydraulic oil and fuel gauge.
- Hydraulic pipe guard protected from stone damage.(MRH-501DS·601DS)
- Hour meter as standard equipment.(MRH-501DS·601DS)
- Low vibration handle.(MRH-501DS·601DS)
- MRH-700 is double vibration system.



Features



Hydraulic pipe guard(MRH-501·601)



hour meter(MRH-501·601)



vibration switch



dead man handle push stop



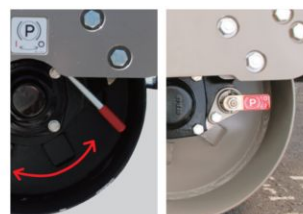
head light / rubber bumper



center cover



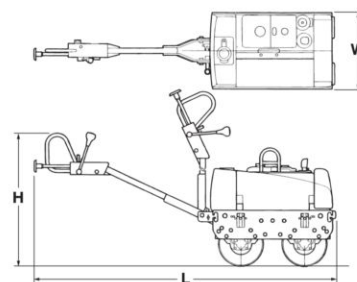
drum stopper



brake(MRH-501·601/MRH-700)



fully hydraulic-drive system


MRH-700DSA

MRH-700DSCA


For only MRH-700DSCA (with Yanmar air cooled diesel engine)

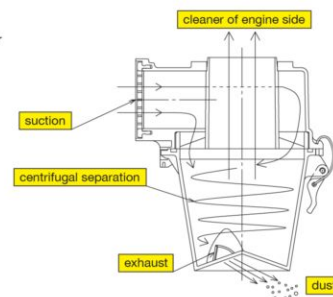


Mikasa cyclone series

Cyclone pre-cleaner increase filterability dramatically !
Most suitable for harsh environment

Cyclone makes

- Approx. 4 times DHC (Dust Holding Capacity) against single cleaner
- Blow out coarse dust automatically with centrifugal effect (see fig)
- Reduce clogging at main cleaner
- Finally extend maintenance cycle dramatically !



MRH / Specifications

model	weight	dimensions	drum size	vibrating frequency	centrifugal force	traveling speed	limited gradeability (max)	water tank	power source
MRH-501DS (water cooled)	530kg	H: 1,195mm W: 617mm L: 2,265mm	dia: 355mm width: 575mm	55Hz (3,300V.P.M)	9.8kN (1,000kgf)	0-3km/h	35%	30ltrs	Kubota diesel EA330 electric start max.output 4.6kW(6.3PS)
MRH-601DS (water cooled)	551kg	H: 1,195mm W: 692mm L: 2,265mm	dia: 355mm width: 650mm	55Hz (3,300V.P.M)	10.8kN (1,100kgf)	0-3km/h	35%	30ltrs	Kubota diesel EA330 electric start max.output 4.6kW(6.3PS)
MRH-700DSA (water cooled)	730kg	H: 1,170mm W: 692mm L: 2,670mm	dia: 406mm width: 650mm	55Hz (3,300V.P.M)	23.5kN (2,400kgf)	0-3km/h	35%	40ltrs	Yanmar diesel TF70V-EKMK electric start max.output 5.5kW(7.5PS)
MRH-700DSCA (air cooled)	700kg	H: 1,170mm W: 692mm L: 2,670mm	dia: 406mm width: 650mm	55Hz (3,300V.P.M)	23.5kN (2,400kgf)	0-3km/h	35%	40ltrs	Yanmar diesel L100N electric start max.output 7.4kW(10.0PS)

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.

Dust collecting type dry cutter

MCD-RY14

Features

- Dust collecting type dry road cutter
- 99% of cutting dust collected into dust case.
- Small, light weight, compact design
- Dry cutting method using no water



MCD-RY14



Dry

MD-DA:
For Cutting Asphalt

Dry Blade(Asphalt only)(white/blue)

model	blade size	thickness	arbor size
12"MD-DA	12"	3.4mm	27mm
14"MD-DA	14"	3.4mm	27mm

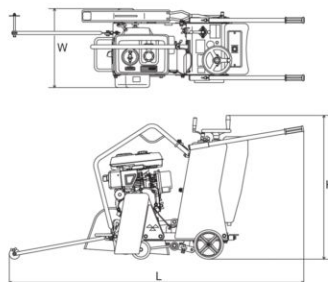


Dry

MD-DC:
For Cutting Concrete

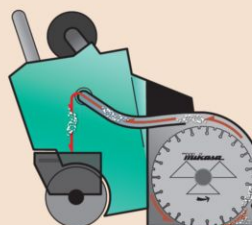
Dry Blade(Concrete only)(white/red)

model	blade size	thickness	arbor size
12"MD-DC	12"	3.0mm	27mm
14"MD-DC	12"	3.0mm	27mm



**with dry cutting and
dust suction system**

Up-cut method is adopted for blade (special blade for dry asphalt) rotation to efficiently suck in and collect cutting dust into dust case.





Features



① Up-cut method for exceptionally effective cutting dust collection



② Road surface following type noise absorbing blade cover



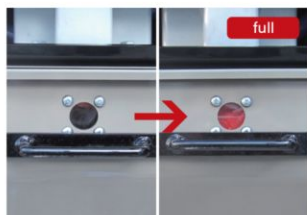
③ Warning LED lamp for dust collection bag change ※ 2



④ Warning buzzer for dust collection bag full ※ 2



⑤ Sliding dust case (Capacity 20L) ※ 1



⑥ Dust case level gauge ※ 2



⑦ One-touch parking brake



⑧ Anti-vibration handle



⑨ Tachometer-hour meter

※ 1 Cutting dust is collected into dust case.

※ 2 Dust case full warning by LED lamp, buzzer and level gauge.

MCD / Specifications

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

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.

SPECIFICATIONS

Concrete Cutter

MCD-012A·L14·214V·218CEH

Features

- Mikasa concrete cutters cut to depths ranging from 70 mm to 170 mm.
- Attachable blade sizes span from 10" (254 mm) to 18" (457 mm).
- A variety of models are available to accommodate use at any job sites.
- Compact, light duty walk-behind models for easy loading and unloading.
- Semi-self-propelling, duty models are also available.



MCD-218CEH
with hour & tachometer

Features



semi self propeling



hour & tachometer (for MCD-218CEH)



plastic water tank



electric start
(for MCD-218CEH)



belt cover



parking brake



double water pipe for cooling both sides
of blade

MCD / Specifications

model	weight	dimensions	blade size	cutting depth	arbor size	adjusting for cutting depth	cooling system	water tank capacity (lits)	power source
MCD-012A	58kg	H: 746mm W: 435mm L: 761mm	254mm(10") ~ 305mm(12")	70mm ~ 100mm	27mm	manual lifting screw system	centrifugal injection type	14	Subaru EH17-2D gasoline max.output 3.7kw(5.0PS)
MCD-L14	100kg	H: 747mm W: 527mm L: 1,650mm	254mm(10") ~ 356mm(14")	70mm ~ 120mm	27mm	manual lifting screw system	centrifugal injection type	26	Subaru EH25-2D gasoline max.output 5.9kw(8.0PS)
MCD-214V	149kg	H: 981mm W: 585mm L: 1,990mm	254mm(10") ~ 356mm(14")	70mm ~ 120mm	27mm	manual lifting screw system	centrifugal injection type	45	Subaru EH25-2D gasoline max.output 5.9kw(8.0PS)
MCD-218VDX MCD-218CEH	169kg 184kg	H: 981mm W: 585mm L: 1,990mm	254mm(10") ~ 457mm(18")	70mm ~ 170mm	27mm	manual lifting screw system	centrifugal injection type	45	MCD-218VDX Subaru EH34-2D gasoline max.output 8.1kw(11.0PS) MCD-218CEH Honda GX390 gasoline max.output 8.2kw(11.1PS) electric start

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.

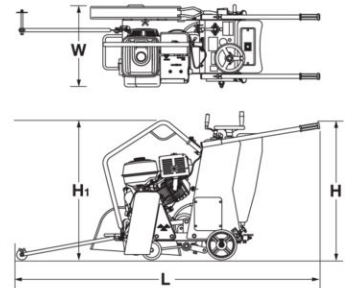
MCD-012A



MCD-L14



MCD-214V



Diamond Blade



Economy

MW-HEL:
For Cutting Asphalt
and Concrete



Standard

MW-RAC:
For Cutting Asphalt
and Concrete



Deluxe

MW-DA:
For Cutting Asphalt
MW-DC:
For Cutting Concrete

Economy Diamond Blade(black)

model	blade size	thickness	arborsize
12"MW-HEL	12"	3.0mm	27mm
14"MW-HEL	14"	3.0mm	27mm
16"MW-HEL	16"	3.0mm	27mm
18"MW-HEL	18"	3.0mm	27mm

Standard Diamond Blade(silver)

model	blade size	thickness	arborsize
12"MW-RAC	12"	3.0mm	27mm
14"MW-RAC	14"	3.0mm	27mm
16"MW-RAC	16"	3.0mm	27mm
18"MW-RAC	18"	3.0mm	27mm

Deluxe Diamond Blade(gold)

model	blade size	thickness	arborsize
12"MW-DA/DC	12"	3.0mm	27mm
14"MW-DA/DC	14"	3.0mm	27mm
16"MW-DA/DC	16"	3.0mm	27mm
18"MW-DA/DC	18"	3.0mm	27mm

High Cycle Concrete Frequency Vibrator

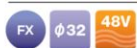
FX-30E·30RE·40G·40RG·50G·50RG·60E·60RE

Features

- The FX series vibrator equips a powerful and highly efficient motor that does maintain performance even on low-slump concrete.
- Vibration analysis reduces vibrations transmitted to the hand.
- Aluminum die-cast switch box is light and compact yet has excellent intensity.
- On/Off switch gives a clear feeling and is highly durable.



FX-30E



FX-40G



FX-50G



FX-60E



FX-30RE



FX-40RG



FX-50RG



FX-60RE



FX / Specifications

model	vib.head dia. x length	rubber hose	voltage	cycle	input (KVA)	amplitude	vibration	cable length	weight(kg) 4m/6m
FX-30E	32 x 396mm	4 or 6m	48V	200/240Hz	0.33	1.8mm	200Hz/240Hz(12,000/14,400V.P.M)	15m	9.1/10.3
FX-40G	43 x 396mm	4 or 6m	48V	200/240Hz	0.49	1.5mm	200Hz/240Hz(12,000/14,400V.P.M)	15m	12.0/13.7
FX-50G	52 x 413mm	4 or 6m	48V	200/240Hz	0.79	1.9mm	200Hz/240Hz(12,000/14,400V.P.M)	15m	14.8/16.5
FX-60E	61 x 485mm	4 or 6m	48V	200/240Hz	1.5	2.0mm	200Hz/240Hz(12,000/14,400V.P.M)	15m	18.0/19.9

Features and specifications are subject to change without notification.

SPECIFICATIONS



high cycle concrete
frequency vibrator



diameter



voltage



input voltage



input voltage



voltage



Frequency Generator

FG/FR



FG-200V



FG-310



FR-8A



extension plug

FG / Specifications

model	L x W x H (mm)	output(V)	output(A)	output(KVA)	cycle(Hz)	number of outlets	power source	weight(kg)
FG-200V	H: 448mm W: 394mm L: 475mm	48 three phase	22.9	1.9	240	2	Subaru EH12-2D gasoline max.output 2.6kW(3.5PS)	34
FG-310	H: 550mm W: 455mm L: 580mm	48 three phase	37.8	3.14	240	3	Subaru EH25-2D gasoline max.output 5.9kW(8.0PS)	53

Frequency & Voltage Converter

FC

FC-401



FC / Specifications

model	dimensions	input(V)	input(A)	input(KVA)	input(Hz)	output(V)	output(A)	output(KVA)	output(Hz)	number of outlets	weight(kg)
FC-401	H: 553mm W: 540mm L: 643mm	380 three phase	10.4	6.83	50/60	48	48	4	200-240	3	80

Frequency Inverter

FU/FV

FU-162



FV-301

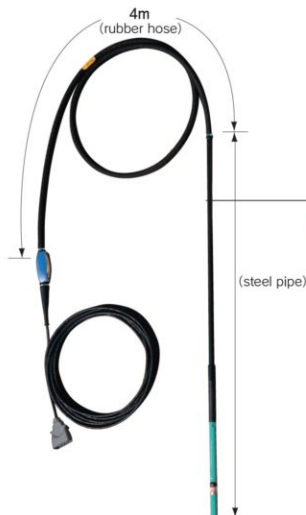


FU·FV / Specifications

model	dimensions	input(V)	input(A)	input(KVA)	input(Hz)	output(V)	output(A)	output(KVA)	output(Hz)	number of outlets	weight(kg)
FU-162	H: 248mm W: 240mm L: 324mm	100/200 single phase	20/14	2.0/2.8	50/60	48 three phase	19.2	1.6	100-240	2	8.7
FV-301	H: 248mm W: 325mm L: 324mm	200 three phase	12	4.1	50/60	48 three phase	36.0	3.0	100-240	3	11.5

High Cycle Internal Concrete Vibrator

FXB-30B·FXS-40B

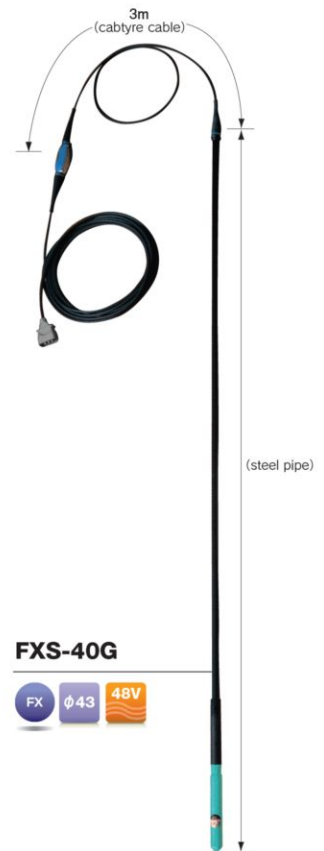
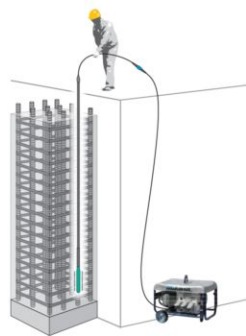


FXB-30B

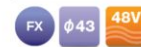


Features

- The FXB/FXS series vibrator uses a unique, light and easy-to-handle steel pipe.
- No tangling even in compaction of structures with finely reinforced structures.
- Special tubes contain vibration-absorbing rubber to reduce vibrations transmitted to the hand.



FXS-40G



FXB·FXS / Specifications

model	vib.head dia. x length	voltage	cycle	input (KVA)	amplitude	vibration	weight(kg)
FXB-30B	32 x 1,728mm	48V	200/240Hz	0.33	1.8mm	200Hz/240Hz(12,000/14,400V.P.M)	11.2
FXB-40G	43 x 1,792mm	48V	200/240Hz	0.49	1.5mm	200Hz/240Hz(12,000/14,400V.P.M)	15.1
FXS-30B	32 x 2,628mm	48V	200/240Hz	0.4	1.8mm	200Hz/240Hz(12,000/14,400V.P.M)	12.0
FXS-40G	43 x 3,412mm	48V	200/240Hz	0.6	1.5mm	200Hz/240Hz(12,000/14,400V.P.M)	16.8

External Vibrating Motor

FJH-550·750

FJH-750



FJH-550



FJ·FJH / Specifications

model	output	voltage	ampere	frequency (Hz)	Centrifugal Force	pole no.	Vibration	weight(kg)
FJ-300S	300W	48V	8.0A	200/240	0.8-2.9kN(78-300kgf) / 1.1-4.2kN(112-432kgf)	4	100/120Hz (6,000/7,200V.P.M)	8.8
FJ-750A	750W	48V	17.0A	200/240	3.1-11.5kN(315-1,170kgf) / 4.5-16.5kN(455-1,680kgf)	4	100/120Hz (6,000/7,200V.P.M)	23.5
FJH-550(S)	550W	48V	12.5A	200/240	2.1-7.8kN(210-800kgf) / 2.9-11.3kN(300-1,150kgf)	4	100/120Hz (6,000/7,200V.P.M)	18 (18.8)
FJH-750(S)	750W	48V	17.0A	200/240	3.1-11.5kN(315-1,170kgf) / 4.5-16.5kN(455-1,680kgf)	4	100/120Hz (6,000/7,200V.P.M)	21.1 (21.9)

Features and specifications are subject to change without notification.

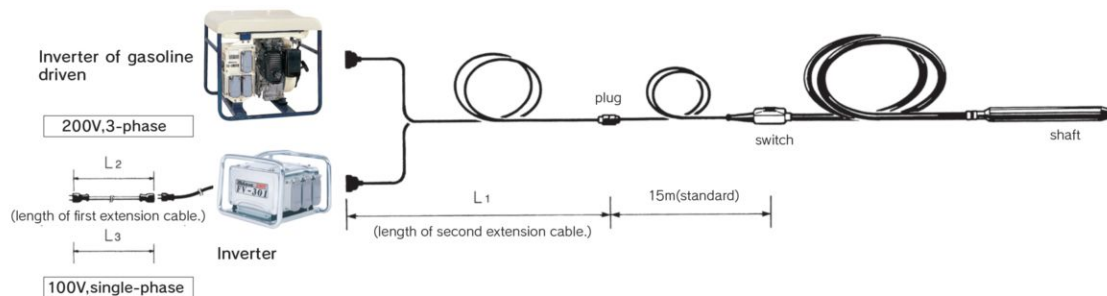
SPECIFICATIONS

Utilization Guide for High Cycle Frequency Vibrator

Usable numbers of High Cycle Frequency Vibrators

model	FX/FXS/FD							FJ/FJH						
	30E (RE)	40G (RG)	50G (RG)	60E (RE)	90	110	130	50	80C	150A	FJ300S	FJH550	FJH750	FJ750A
FU-162	4	3	2	1	—	—	—	9	8	4	2	1	—	—
FV-301	10	6	3	2	1	1	1	16	15	7	4	2	1	1
FG-200V	6	4	2	1	—	—	—	11	10	5	2	1	1	1
FG-310	10	6	3	2	1	1	1	18	16	8	4	2	2	2
FC-401	13	8	5	2	2	1	1	23	21	11	5	3	2	2

Cabletype Cable Selection



The formula of extensionable length

● The second extension cable (48V, 3-phase)

$$L_1 = \frac{100C}{A}$$

L_1 : the length of extension cable (m)
 C : cross-section area of cabtype cable (mm²)
 A : amperege rating of the vibrator

cable size (in mm ²)	length of the extensible cable(m)			
	FX-30E (RE)	FX-40G (RG)	FX-50G (RG)	FX-60E (RE)
3.5	80	50	30	—
5.5	130	80	50	20
8	200	120	80	35
14	350	220	140	70

(example)

model	length of extension cable	cabletype cable size
FX-50G (RG)	50m	5.5mm ²

● The first(the side of electric source) extension cable

[200V·3-phase]

$$L_2 = \frac{200C}{A}$$

$L_{2,3}$: length of extension cable (m)
 C : cross-section area of cabtype cable (mm²)
 A : amperege rating of the inverter

[100V, single-phas]

$$L_3 = \frac{140C}{A}$$

Use the cable which allowable current is over the rated output.

cable size	allowable current of standard cable
1.25mm ²	12A
2.0mm ²	17A
3.5mm ²	23A
5.5mm ²	30A
8.0mm ²	40A

Micro-computer Controlled High Cycle Concrete Vibrator

VH-32B·32RB·42B·42RB·52B·52RB/VHB-32B·42B
VC-1A



VH-32B



VH-32RB



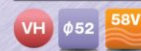
VH-42B



VH-42RB



VH-52B



VH-52RB



VC-1A



VH·VHB / Specifications

model	vib.head dia. x length	rubber hose	voltage	cycle	input (KVA)	amplitude	vibration	cable length	weight(kg) 4m/6m
VH-32B	32 x 356mm	4 or 6m	58V	400Hz	0.3	1.7mm	200Hz(12,000V.P.M)	15m	8.9/10
VH-42B	43 x 327mm	4 or 6m	58V	400Hz	0.5	2.0mm	200Hz(12,000V.P.M)	15m	10.7/12.2
VH-52B	52 x 347mm	4 or 6m	58V	400Hz	0.7	2.3mm	200Hz(12,000V.P.M)	15m	12.1/13.6
VHB-32B	32 x 1,688mm	-	58V	400Hz	0.3	1.7mm	200Hz(12,000V.P.M)	-	11
VHB-42B	42 x 1,723mm	-	58V	400Hz	0.5	2.0mm	200Hz(12,000V.P.M)	-	15.6

VC / Specifications

model	dimensions	input(V)	input(A)	input (KVA)	input(Hz)	output(V)	output(A)	output(KVA)	output(Hz)	number of outlets	weight(kg)
VC-1A	H: 220mm W: 221mm L: 300mm	100 single phase	10	1.0	50/60	58 three phase	7.0	0.7	400	1	5.1

Features and specifications are subject to change without notification.

SPECIFICATIONS



Portable Concrete Vibrator

MGX-23·28·32·38

Weight reduction and improvement of wear resistance were achieved by the use of aluminum die cast for the motor case. Also, double insulation motor that does not require grounding is used for excellent safety.



Features

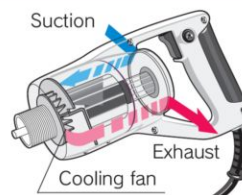
- Handle part is a split type, and the anti-vibration rubber on the surface where your hand will touch serves to reduce fatigue.
- Wear resistant cover is placed on the switch lever and stopper areas to prevent entry of concrete and water.
- Most suited for casting of stone masonry, side ditch, building foundation and concrete products.

Front surface sealed motor



MGX/MGZ motor

MGX/MGZ motor sucks in air from behind, cooling inside by letting the air flow through a special path before the air is released to backward. Because there is no ventilation opening on the front cover where mortar tends to splash, entry of mortar can be prevented.



MGX / Specifications

model	vib.head dia. x length	inner shaft dia.	rubber casing dia.	amplitude	vibration	power (single phase)	weight (kg)
MGX-23	23 x 780mm	8mm	20mm	1.2mm	200Hz-258Hz(12,000-15,500V.P.M)	output:280W	4.2
MGX-28	28 x 780mm	8mm	24.6mm	1.8mm	200Hz-258Hz(12,000-15,500V.P.M)	output:280W	4.6
MGX-32	32 x 780mm	8mm	24.6mm	1.9mm	200Hz-258Hz(12,000-15,500V.P.M)	output:280W	4.8
MGX-38	38 x 780mm	8mm	24.6mm	2.0mm	200Hz-258Hz(12,000-15,500V.P.M)	output:280W	5.1

hose length	0.6m (STD)	1m	1.5m	2m
shaft length	780mm	1,180mm	1,680mm	2,180mm

Portable Concrete Vibrator

MGZ-28·32·L28·L32A



MGZ-28



MGZ-32



MGZ-L28



MGZ-L32A



MGZ / Specifications

model	vib.head dia. x length	amplitude	vibration	power (single phase)	weight (kg)
MGZ-28	28 x 789mm	1.4mm	200Hz-258Hz(12,000-15,500V.P.M)	output:280W	5.1
MGZ-32	32 x 810mm	1.5mm	200Hz-258Hz(12,000-15,500V.P.M)	output:280W	5.4
MGZ-L28	28 x 1,024mm	2.1mm	200Hz-258Hz(12,000-15,500V.P.M)	output:280W	5.9
MGZ-L32A	32 x 1,030mm	2.1mm	200Hz-258Hz(12,000-15,500V.P.M)	output:280W	6.3



MGZ-K75



MGZ-F100A



MGZ-N410



MGZ-S1200



MGZ / Specifications

model	dimensions	vibration board size	vibration	power (single phase)	weight (kg)
MGZ-K75	492mm x 140mm	75mm x 70mm	200Hz-258Hz(12,000-15,500V.P.M)	output:280W	5.4
MGZ-F100A	395mm x 78mm	78mm x 100mm	166Hz-200Hz(10,000-12,000V.P.M)	output:280W	5

model	vib.head dia. x length	vibration board size	vibration	power (single phase)	weight (kg)
MGZ-N410	28 x 1,155mm	L: 405 W: 300	200Hz-258Hz(12,000-15,500V.P.M)	output:280W	8.1
MGZ-S1200	32 x 1,728mm	L: 1,219 W: 120	200Hz-258Hz(12,000-15,500V.P.M)	output:280W	7.6

Features and specifications are subject to change without notification.

SPECIFICATIONS

GH Concrete Vibrator

GH-28S·32S·38S·45S·62S·70S/GE-5LE

GE-5LE



GH-38S

φ38

GH-28S

φ28.5

GH-32S

φ32

GH-45S

φ45

GH-62S

φ62

GH-70S

φ72

GH / Specifications

model	vib.head dia. x length	flexible shaft dia.	rubber hose dia.	rubber hose	amplitude	vibration	shaft set weight (kg)
GH-28S	28.5 x 477mm	9.5mm	31mm	4 or 6m	1.4mm	150-208Hz(9,000-12,500V.P.M)	4m 10.6 / 6m 14.7
GH-32S	32 x 520mm	9.5mm	31mm	4 or 6m	1.8mm	150-208Hz(9,000-12,500V.P.M)	4m 11.2 / 6m 15.1
GH-38S	38 x 480mm	9.5mm	31mm	4 or 6m	1.8mm	150-208Hz(9,000-12,500V.P.M)	4m 11.9 / 6m 15.7
GH-45S	45 x 494mm	9.5mm	31mm	4 or 6m	2.0mm	150-208Hz(9,000-12,500V.P.M)	4m 13.3 / 6m 17.4
GH-62S	62 x 479mm	12.7mm	32 mm	6m	2.4mm	150-208Hz(9,000-12,500V.P.M)	6m 22.2
GH-70S	72 x 355mm	12.7mm	32 mm	6m	2.3mm	150-208Hz(9,000-12,500V.P.M)	6m 22.8

GS Concrete Vibrator

GS-38·45·60

GS-38

φ38

GS-60

φ60

GS-45

φ45



GE-5LE



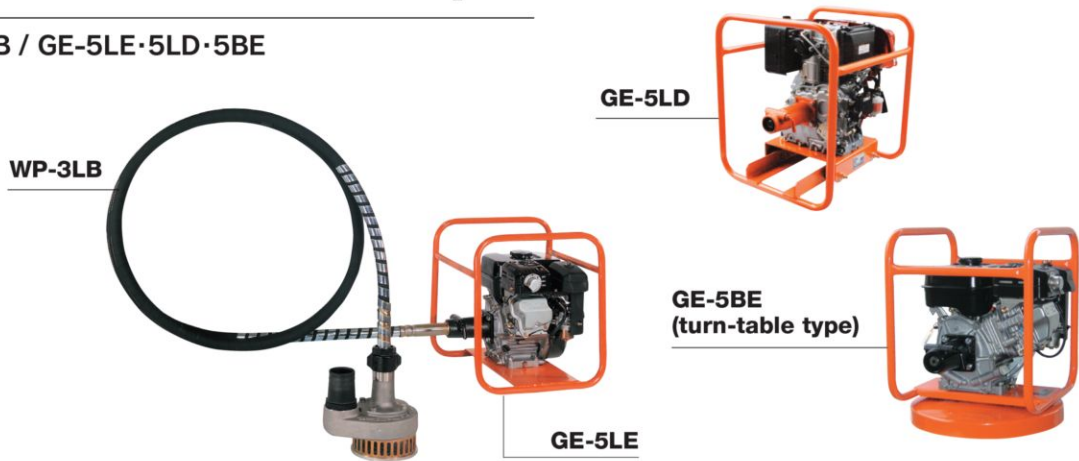
GS Specifications

model	vib.head dia. x length	flexible shaft dia.	rubber hose dia.	rubber hose	amplitude	vibration	weight(kg)
GS-38	38 x 480mm	10.0mm	30mm	6m	1.8mm	150Hz-208Hz (9,000-12,500V.P.M)	15.7
GS-45	45 x 494mm	10.0mm	30mm	6m	2.0mm	150Hz-208Hz (9,000-12,500V.P.M)	17.4
GS-60	60 x 479mm	13.0mm	32mm	6m	2.4mm	150Hz-208Hz (9,000-12,500V.P.M)	22.3

※ adjustable and three types coupling

Submersible Pump

WP-3LB / GE-5LE·5LD·5BE



GE / Specifications

model	dimensions(mm)	power source	weight(kg)
GE-5LE	L: 412 W: 442 H: 456	Subaru EX17D max. output 4.2kW (5.7PS) gasoline	28
GE-5LD	L: 472 W: 442 H: 532	Subaru DY23D max.output 3.7kW(5.0PS) diesel	50
GE-5BE	L: 413 W: 427 H: 500	Subaru EX17D max. output 4.2kW (5.7PS) gasoline	30

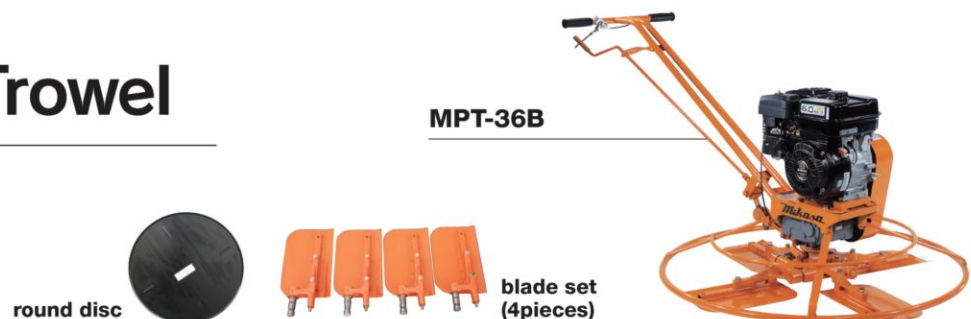
WP / Specifications

model	discharging port dia.	max. discharged height	capacity	r.p.m.	pump head weight	hose dia. X length	flexible shaft dia	total weight (kg)
WP-2L	50mm(2")	13m	500 liters/min	3,000-3,400	4.4kg	29mm x 5m	10mm x 5m	5m 16.1
						29mm x 7m	10mm x 7m	7m 20
WP-3LB	76mm(3")	23m	1,200 liters/min	3,000-3,400	7kg	32.5mm x 5m	13mm x 5m	5m 22.1
						32.5mm x 7m	13mm x 7m	7m 26.2

Weight includes weigh 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.

Power Trowel

MPT-36B



MPT / Specifications

model	Weight	dimensions	trowel diameter	blade dimension	trowel speed	power source
MPT-36B	74kg	H: 810 W: 1,010 L: 1,610	910mm	L: 345mm W: 205mm	50-100 r.p.m	Subaru EX17D gasoline max.output 4.2kW(5.7PS)

Weight includes weigh 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.

Tach/Hour Meter

- Model "TP-22 TACH / HOUR METER" is MIKASA original tach / hour meter (Engine operating speed and integrating device) for gasoline engine.
- When engine operates, it shows rpm (engine revolution per minute), and when engine stop, it shows integrated time of engine. While engine stops, it continuously shows integrated time.
- Model "TP-22 TACH / HOUR METER" itself has two different way to use ; as hand rpm measuring device by "Clip Cord", and as fixed maintenance / inspection device by "Curl Cord".



Glossary

The Specifications in this catalogue is based on "MIKASA TECNICAL STANDARD".
"MIKASA TECNICAL STANDARD" is defined referring to ISO, EU Directive, JIS and other technical standard.

Weights

The Static weights of the unit should include the followings.

- Lubricant, Hydraulic Oil of the machine at proper level
- Half of the fuel tank content
- Half of the Water tank content in case of using water tank

Dimensions

Basically indicated in mm except for hose length.

Output of Power Source

It shows Maximum Output (kW) in catalogue of engine manufacturer.
It does not always mean max. under operation of the machine.

Limited Gradeability

Maximum grade of the mounted engine which works without trouble.

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