

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

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.

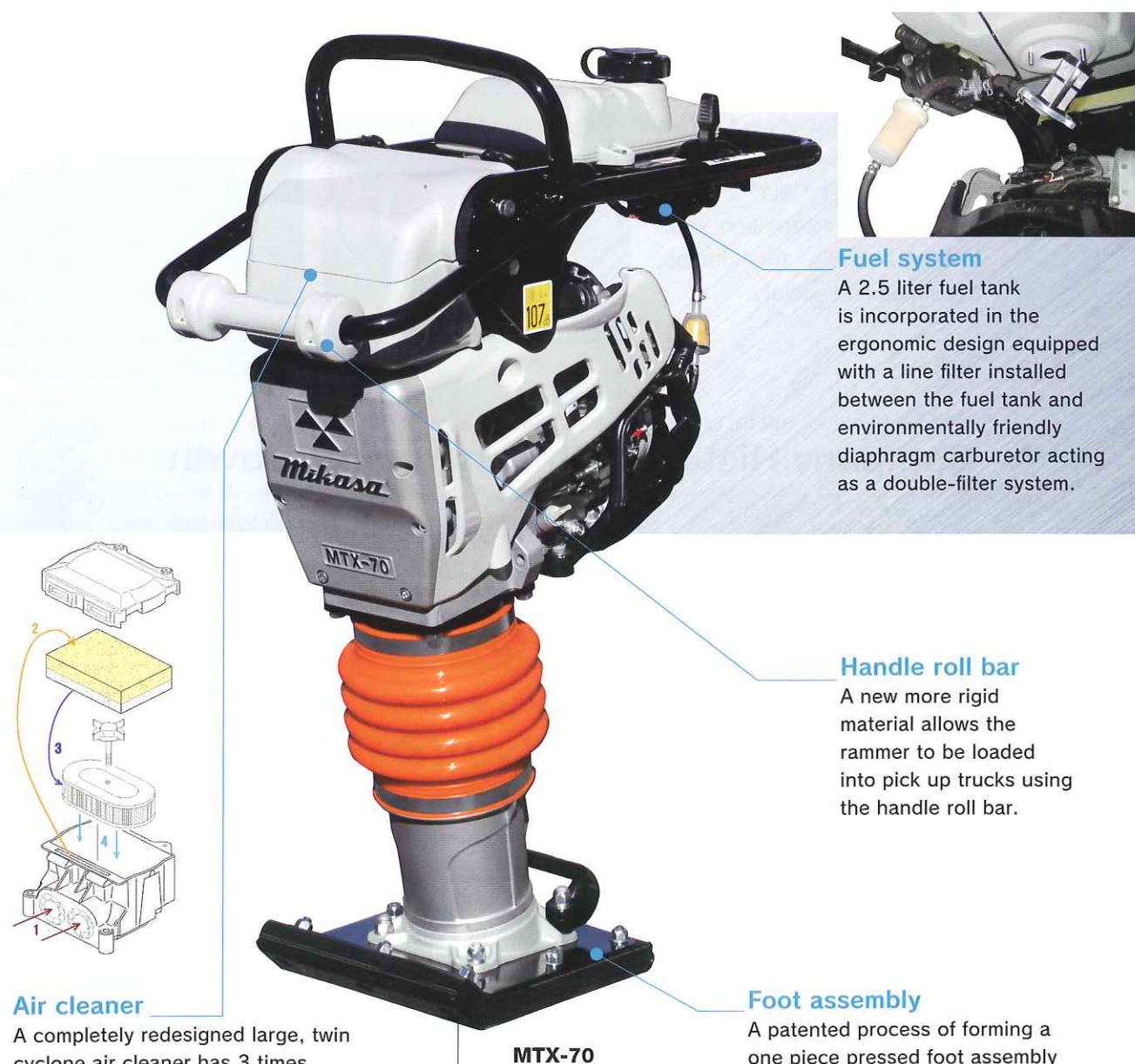
Tamping Rammer

- 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.

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.

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.

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.



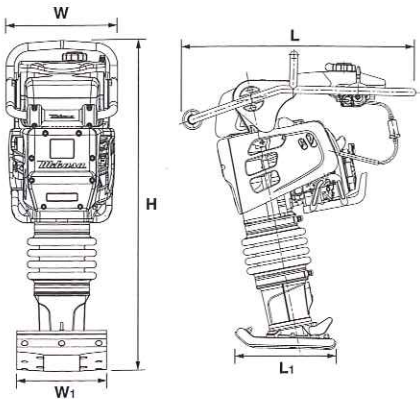
Tamping Rammer

MTX-60·70·80



MTX Series

MTX-60
VAS cyclone air cleaner



MTX-70
VAS cyclone air cleaner



MTX-80
VAS cyclone air cleaner

MTX Line up

| 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) | |
|--------|--|-------------|--|-------------|--|-------------|
| | Diaphragm Carb. | Float Carb. | Diaphragm Carb. | Float Carb. | Diaphragm 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

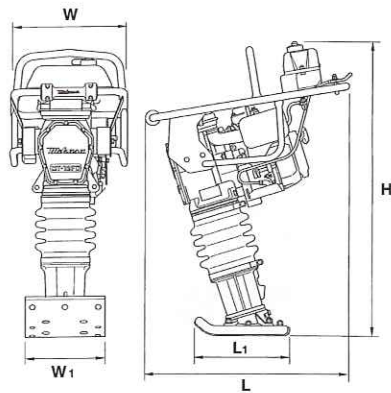


3 Pre-cleaner

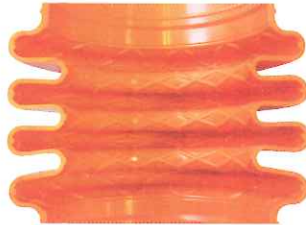


4 Pre-cleaner (inside)

MT-65H
W



5 Handle roll bar



6 Bellows



Aluminum Diecasting Blower Housing (MT-55)



MTR-40F
W



MT-55
W



MT-55L
VAB W



MT-72FW
W



MT-84F
W



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-40G•50GB•F60R/H•F70R/H
F80R/H•88GE/GH•T90R/H•98D

Features

- Environmentally friendly product design.
- From the MVC-F60 to the MVC-98D, 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.

Guard frame protects engine and serves as lift bar

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

MVC-F60R/H

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

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

Self cleaning design minimizes
sand and gravel build up

Option



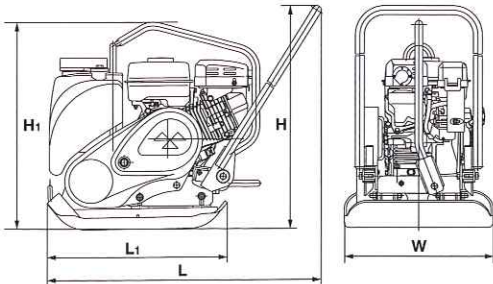
Transport Wheel
(MVC-F60•F70•F80)



Water Tank

Capacity for

| | |
|------------|-------|
| 50GB | 8.5 ℓ |
| F60•F70 | 11 ℓ |
| F80 | 13 ℓ |
| F82 | 11 ℓ |
| 88•T90•98D | 13 ℓ |



MVC / Specifications

| model | weight | dimensions | plate size | vibrating frequency | centrifugal force(max) | max.traveling speed(max) | limited gradeability(max) | power source |
|---|--------------------------|--|-----------------------|-----------------------|------------------------|--------------------------|---------------------------|---|
| MVC-40G (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-40G



MVC-50GB



MVC-F70R/H



MVC-F80R/H



MVC-88GE/GH



MVC-T90R/H



MVC-98D



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-88GE MVC-88GH | 96kg | H: 825mm H1: 560mm L: 1,100mm | W: 500mm L1: 525mm | 100Hz (6,000V.P.M) | 15.0kN (1,530kgf) | 25m/min | 35% | Subaru EX17D gasoline max.output 4.2kW(5.7PS) Honda GX160 gasoline max.output 3.6kW(4.9PS) |
| MVC-T90R MVC-T90H | 102kg 101kg | H: 825mm H1: 598mm L: 1,100mm | W: 525mm L1: 500mm | 100Hz (6,000V.P.M) | 15.0kN (1,530kgf) | 25m/min | 35% | Subaru EY20-3D gasoline max.output 3.7kW(5.0PS) Honda GX160 gasoline max.output 3.6kW(4.9PS) |
| MVC-98D | 108kg | 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

Special Compactor for Pavement Compaction

MVB-85·MVC-90RB



MVB-85



MVC-90RB



MVC·MVB / 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: 635mm 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) |

| 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·88 VAS·98D VAS



MVC-F60 VAS



MVC-F80 VAS



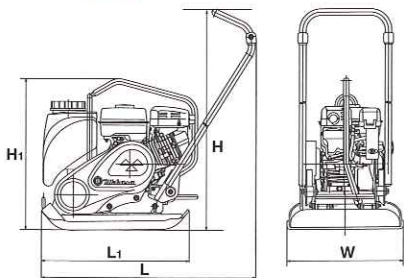
MVC-F82 VAS



MVC-88 VAS



MVC-98D VAS



| | 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-88GE VAS | 1.7 |
| MVC-88GH VAS | 2.1 |
| MVC-98D 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-88GE VAS MVC-88GH VAS | 99kg | H: 950mm H1: 560mm L: 1,050mm | W: 500mm L1: 525mm | 100Hz (6,000 V.P.M) | 15.0kN (1,530kgf) | 25m/min | 35% | Subaru EX17D gasoline max.output 4.2kW(5.7PS) Honda GX160 gasoline max.output 3.6kW(4.9PS) |
| MVC-98D VAS | 111kg | 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-306DSC-PAS·406DSC-PAS

Compaction sensor (Compas) Features

Features

- Compaction sensor (Compas) 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.



MVH-306DSC-PAS



- Green lamp flashing: Vibration is not normal.



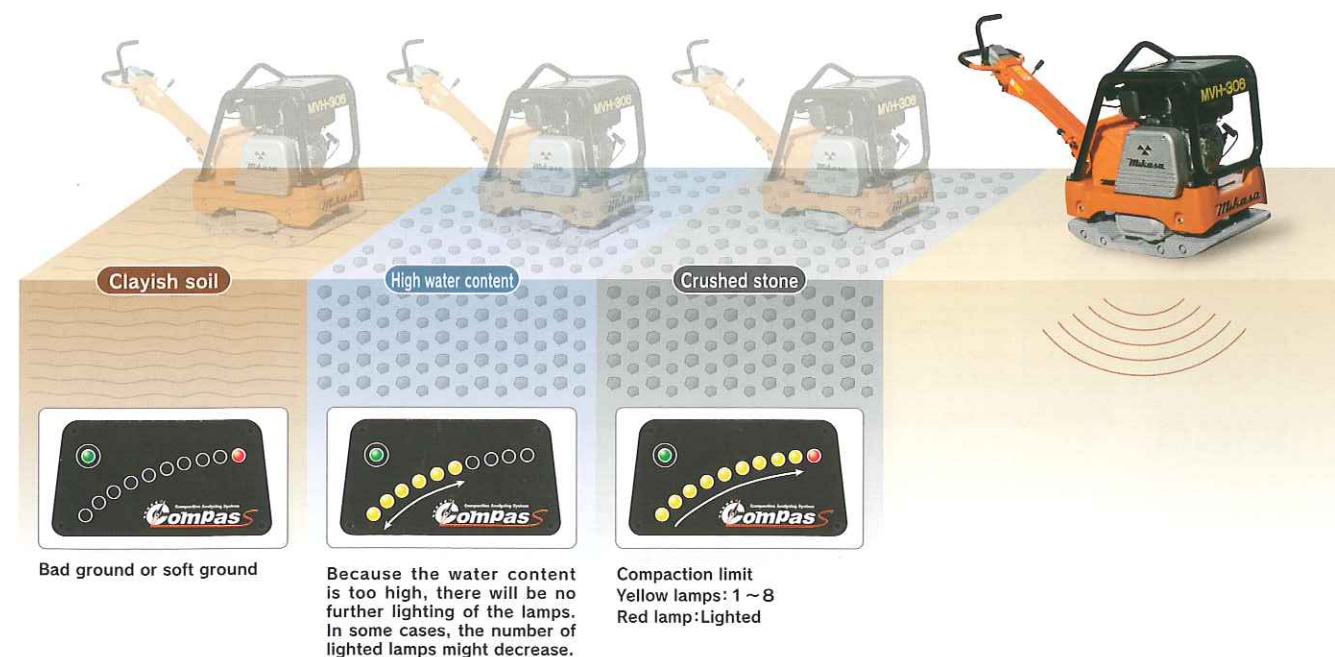
- Only green and red lamps lighted: Bad ground or soft ground
- Only green and red lamps flashing: Failure such as disconnection



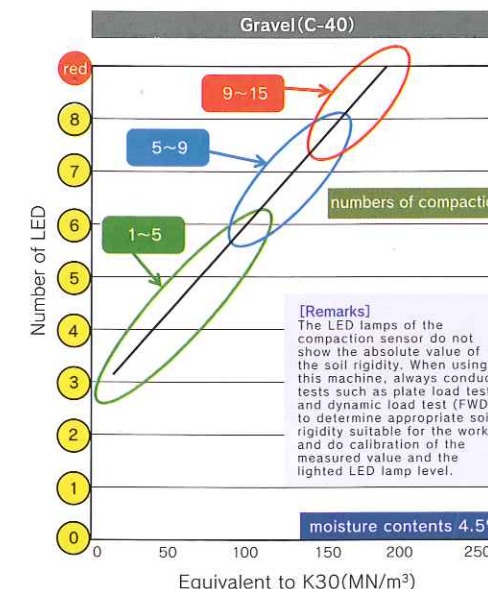
- Example of lighted LED lamps
Yellow: 1 ~ 8
Red: Compaction limit

※ 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.

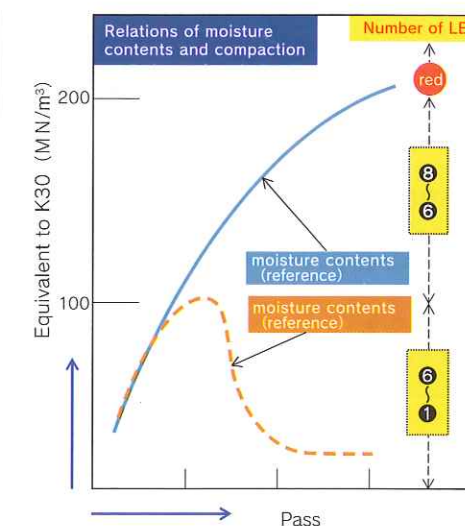
※ Because compaction assist mechanism is equipped, the level of compaction is shown real-time by LED lamps. Operator is assisted by this visual compaction level indicator.



MVH-406DSC-PAS



※ product features MVH-306DSC-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-306DSC-PAS | 330kg | H: 970mm L: 1,570mm | W: 445mm (595mm) (745mm) L1: 860mm | 73Hz (4,400 V.P.M) | 45.0kN (4,600kgf) | 23m/min | 35% | Yanmar L70N max. output 4.9kW(6.7PS) diesel engine electric start |
| MVH-406DSC-PAS | 410kg | H: 930mm L: 1,610mm | W: 500mm (650mm) (800mm) L1: 900mm | 73Hz (4,400 V.P.M) | 50.0kN (5,100kgf) | 23m/min | 35% | Yanmar L100N max. output 7.4kW(10.0PS) diesel engine 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

Reversible Compactor

MVH-R60·120GR/GH·150GR/GH/D
206GH/D/DS·306DS/DSC·406DS/DSC·502DSB

Features



Variable speed adjustable



Closed cover to protect battery (for electric starting type)

Guard frame protects engine and serves as lift bar.



Combination tachometer and engine hour meter (for MVH-206GH/207GH)

Self cleaning design to allow stone and gravel slide off the vibrating plate for easier cleanup

MVH-306DS/DSC



Extension plate (option) increase working area by 150mm or 300mm (included with MVH-306/406/502)

Ribbed steel vibrating plate provides extra strength

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-406GH)
- Heavy duty models are ideal for compacting foundations. (MVH-206 through MVH-502)



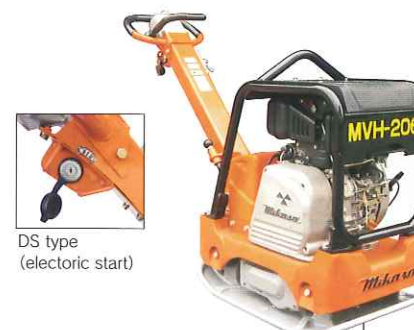
MVH-R60



MVH-120GR/GH



MVH-150GR/GH/D



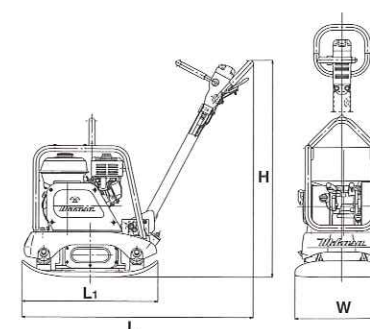
MVH-206GH/D/DS/DSC



MVH-406DS/DSC



MVH-502DSB



| Option | | | |
|-----------------------|------------|--------------------|---------------|
| Extension Plate | | | |
| | width (mm) | weight (1 set: kg) | set |
| for MVH-306, 406, 502 | 75 | 17 | 1 set (2 pcs) |
| | 150 | 23 | |

MVH-R60 Water tank (8.5 l)

MVH / Specifications

| model | weight | dimensions | plate size | vibrating frequency | centrifugal force(max) | max. traveling speed | limited gradeability (max) | power source |
|------------------------|------------------|--------------------------|-----------------------|------------------------|------------------------|----------------------|----------------------------|---|
| MVH-R60 | 68kg 69kg | H: 880mm L: 886mm | W: 350mm L1: 480mm | 100Hz (6,000 V.P.M) | 15.0kN (1,530kgf) | 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 (6,000 V.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 (5,400 V.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 (5,400 V.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 (5,200 V.P.M) | 35kN (3,570kgf) | 23m/min | 35% | Honda GX240 gasoline max. output 5.3kW(7.2PS) |
| MVH-206D(S) | 224kg (238kg) | H: 1,100mm L: 1,380mm | W: 500mm L1: 720mm | 87Hz (5,200 V.P.M) | 35kN (3,570kgf) | 23m/min | 35% | Yanmar L70N diesel (electric start) max. output 4.9kW(6.7PS) |

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.

MVH / Specifications

| model | weight | dimensions | plate size | vibrating frequency | centrifugal force(max) | max. travelling speed | limited gradeability (max) | power source |
|-------------------|--------|------------------------|---|-----------------------|------------------------|-----------------------|----------------------------|--|
| MVH-306DS/ DSC | 330kg | H: 970mm L: 1,570mm | W: 445mm (595mm) (745mm) L1: 860mm | 73Hz (4,400 V.P.M) | 45.0kN (4,600kgf) | 23m/min | 35% | Yanmar L70N diesel (electric start) max. output 4.9kW(6.7PS) |
| MVH-406DS/ DSC | 410kg | H: 930mm L: 1,610mm | W: 500mm (650mm) (800mm) L1: 900mm | 73Hz (4,400 V.P.M) | 50.0kN (5,100kgf) | 23m/min | 35% | Yanmar L100N diesel (electric start) max. output 7.4kW(10.0PS) |
| MVH-502DSB | 550kg | H: 950mm L: 1,680mm | W: 550mm (700mm) (850mm) L1: 900mm | 67Hz (4,000 V.P.M) | 61.7kN (6,300kgf) | 23m/min | 35% | Hatz 1D81S diesel (electric start) max. output 9.7kW(13.2PS) |

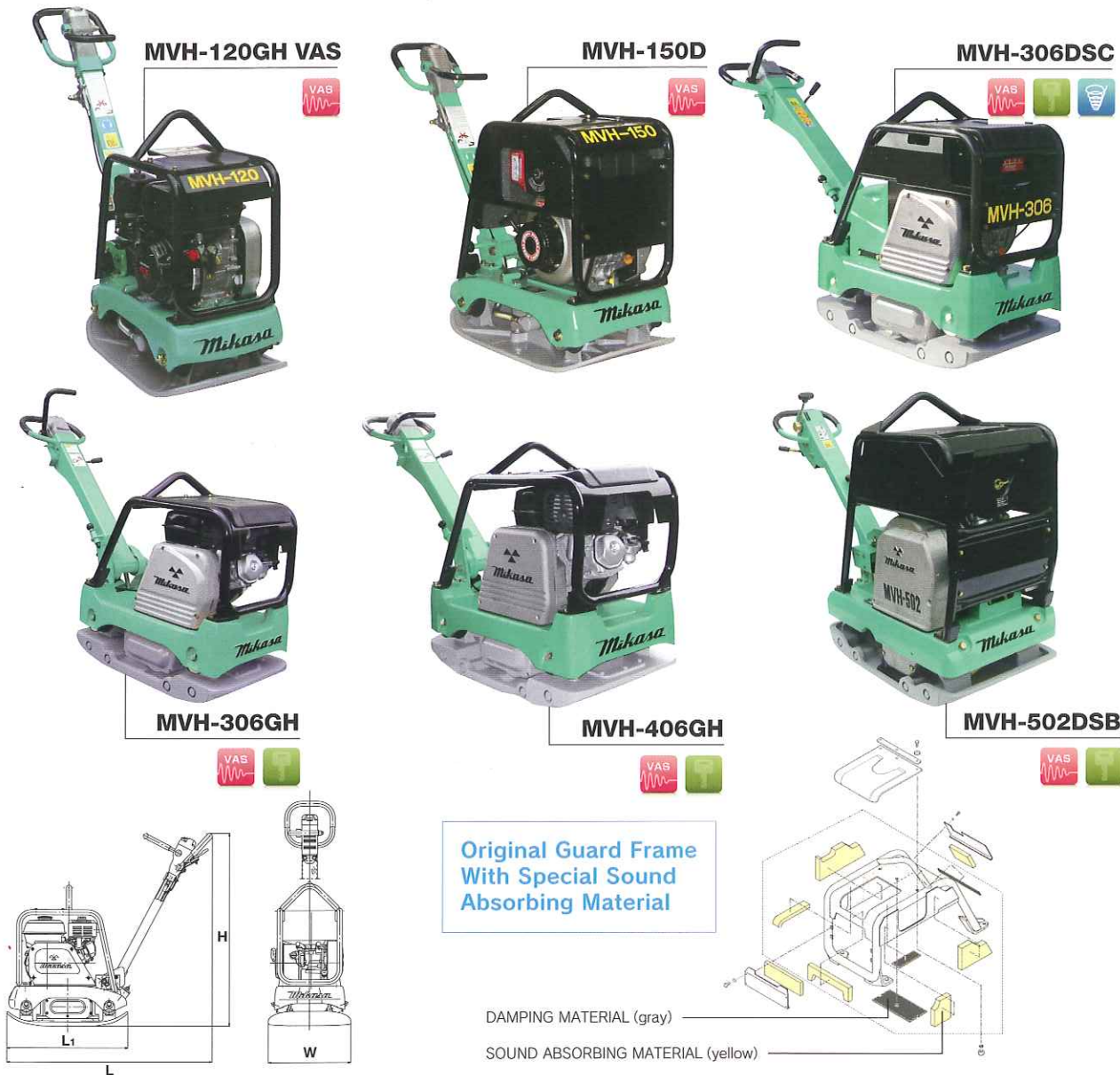
Weight includes weight of machine, lubricants, 50% of fuel and 50% of water in case with water tank option.
Features and specifications are subject to change without notification.

Reversible Compactor

MVH-120GHVAS·150GHVAS/D/DVAS·207GH/D/DS
306DSC/GH·406DSC/GH·502DSB

Features

- Models equipped with diesel engines are silent-type reversible compactors installed with sound absorbing materials in the guard frame. (MVH-150D through MVH-502DSB)
- All models comply with the EU Noise Emission Directive 2005/88/EC (2004/14/EC)

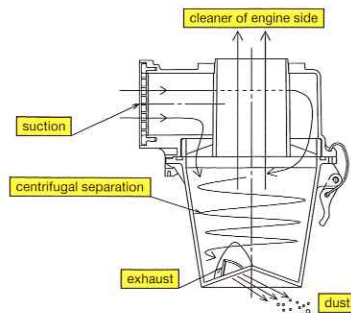


MVH / Specifications

| model | weight | dimensions | plate size | vibrating frequency | centrifugal force(max) | max. traveling speed | limited gradeability (max) | power source |
|----------------------------|------------------|--------------------------|---|-----------------------|------------------------|----------------------|----------------------------|--|
| 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 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 max. output 4.1kW(5.6PS) |
| MVH-150D (MVH-150D VAS) | 158kg (160kg) | H: 920mm L: 1,130mm | W: 430mm L1: 700mm | 90Hz (5,400V.P.M) | 27.0kN (2,750kgf) | 25m/min | 35% | Yanmar L48N (electric start) max. output 3.5kW(4.7PS) |
| MVH-207GH | 214kg | H: 1,100mm L: 1,380mm | W: 600mm L1: 720mm | 87Hz (5,200V.P.M) | 35kN (3,570kgf) | 22m/min | 35% | Honda GX240 gasoline max. output 5.3kW(7.2PS) |
| MVH-207D(S) | 230kg (244kg) | H: 1,100mm L: 1,380mm | W: 600mm L1: 720mm | 84Hz (5,040V.P.M) | 32.9kN (3,350kgf) | 22m/min | 35% | Yanmar L70N diesel (electric start) max. output 4.9kW(6.7PS) |
| MVH-306DSC | 346kg | H: 970mm L: 1,570mm | W: 445mm (595mm) (745mm) L1: 860mm | 73Hz (4,400V.P.M) | 45.0kN (4,600kgf) | 23m/min | 35% | Yanmar L70N diesel (electric start) max. output 4.9kW(6.7PS) |
| MVH-306GH | 308kg | H: 970mm L: 1,570mm | W: 445mm (595mm) (745mm) L1: 860mm | 73Hz (4,400V.P.M) | 45.0kN (4,600kgf) | 23m/min | 35% | Honda GX270 gasoline max. output 6.0kW(8.2PS) |
| MVH-406DSC | 430kg | H: 930mm L: 1,610mm | W: 500mm (650mm) (800mm) L1: 900mm | 73Hz (4,400V.P.M) | 50.0kN (5,100kgf) | 23m/min | 35% | Yanmar L100N diesel (electric start) max. output 7.4kW(10.0PS) |
| MVH-406GH | 370kg | H: 930mm L: 1,610mm | W: 500mm (650mm) (800mm) L1: 900mm | 77Hz (4,600V.P.M) | 55.0kN (5,600kgf) | 24m/min | 35% | Honda GX390 gasoline max. output 8.2kW(11.1PS) |
| MVH-502DSB | 560kg | H: 950mm L: 1,680mm | W: 550mm (700mm) (850mm) L1: 900mm | 67Hz (4,000V.P.M) | 61.7kN (6,300kgf) | 23m/min | 35% | Hatz 1D81S diesel (electric start) max. output 9.7kW(13.2PS) |

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.

- 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-207 ~ 406 with Yanmar diesel engine)
Cyclone pre-cleaner increase filterability dramatically!
Most suitable for harsh environment

Vibration Roller

MRH-600DSA·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 and double vibration system.(MRH-700)



MRH-700DSCA

Features



central cover



dead man handle push stop



electromagnetic clutch for vibration switch



working light & bumper



drum stopper



brake



hydraulic oil level indicator



fuel gauge indicator

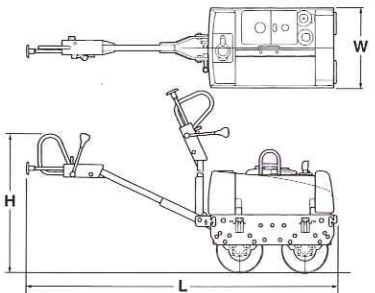


fully hydraulic-drive system



MRH-700DSA

MRH-600DSA

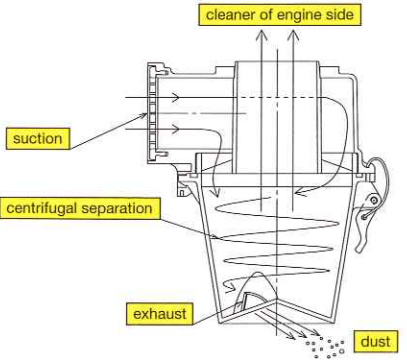


For only MRH-700DSCA (with Yanmar air cooled diesel engine)



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 | water tank | power source |
|---------------------------|--------|--------------------------------------|----------------------------|---------------------|-------------------|-----------------|----------------------|------------|---|
| MRH-600DSA (water cooled) | 620kg | H: 1,130mm W: 692mm L: 2,620mm | dia: 355mm width: 650mm | 55Hz (3,300V.P.M) | 10.8kN (1,100kgf) | 0-3km/h | 35% | 40ltrs | 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.

SPECIFICATIONS

Dust collecting type dry cutter

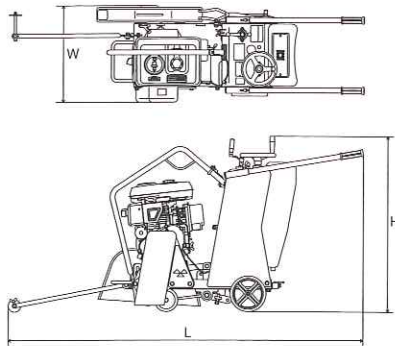
MCD-RY14

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



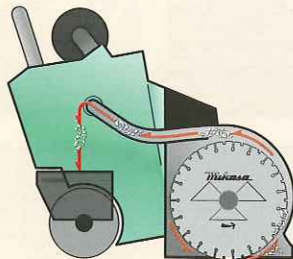
Dry
MD-DA:
For Cutting Asphalt

Dry Blade(Asphalt only)(white)

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



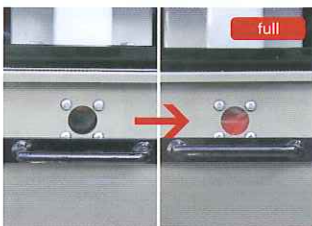
① Up-cut method for exceptionally effective cutting dust collection



② Road surface following type noise absorbing blade cover



③ Warning LED lamp for dust collection bag change ※ 2



④ Dust case level gauge ※ 2



⑤ Warning buzzer for dust collection bag full ※ 2



⑥ Sliding dust case (Capacity 20L) ※ 1



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



MCD-218CEH
with hour & tachometer

Features

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.



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-012 | 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 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 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 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 max.output 8.1kw(11.0PS) MCD-218CEH Honda GX390 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.

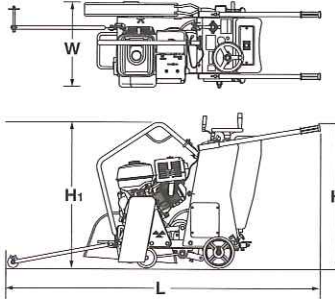
MCD-012A



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 | arbor size |
|-----------|------------|-----------|------------|
| 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 | arbor size |
|-----------|------------|-----------|------------|
| 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 | arbor size |
|-------------|------------|-----------|------------|
| 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 |

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".

TP-22



CLIP CODE



CURL CODE

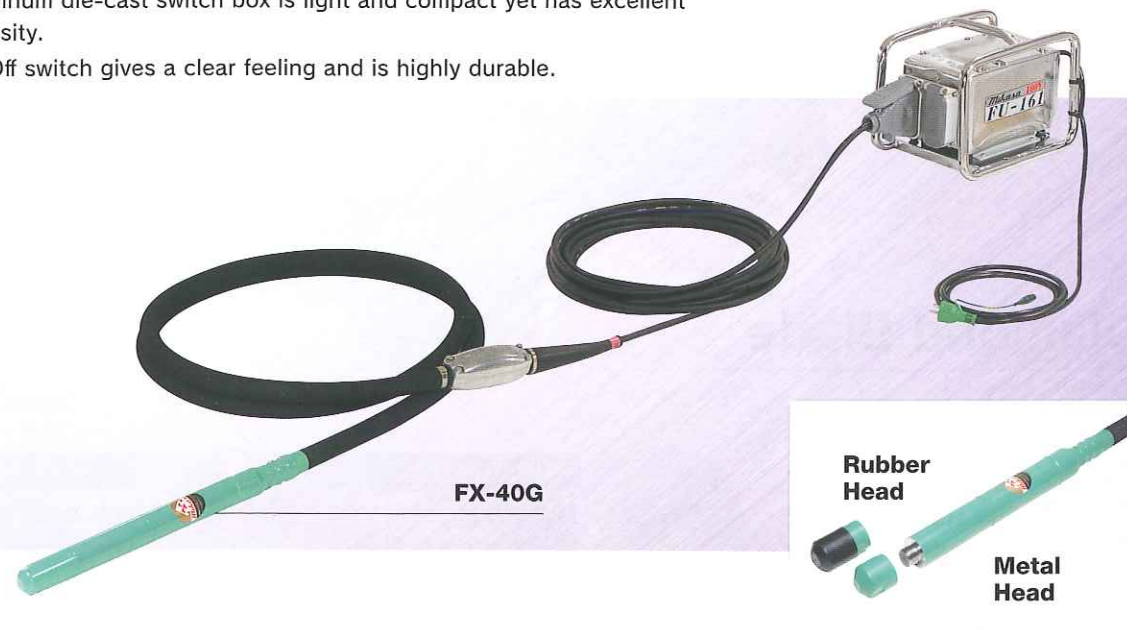


High Cycle Concrete Frequency Vibrator

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 / 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 |

Frequency Generator

FG/FR



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 max.output 2.6kW(3.5PS) | 34 |
| FG-300VR | H: 530mm W: 455mm L: 580mm | 48 three phase | 37.2 | 3.1 | 240 | 3 | Subaru EH25-2D max.output 5.9kW(8.0PS) | 53 |

Frequency & Voltage Converter

FC



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·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-161 | H: 248mm W: 240mm L: 324mm | 100 single phase | 20 | 2.0 | 50/60 | 48 three phase | 19.2 | 1.6 | 240 | 2 | 8.4 |
| 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 |

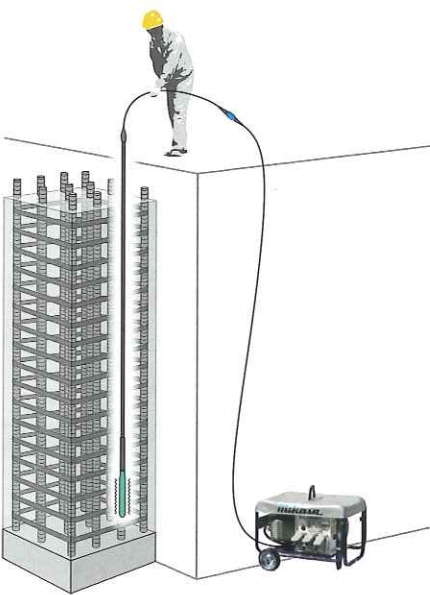
High Cycle Internal Concrete Vibrator

FXB-30B·FXS-40B



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.



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-40B | 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-40B | 43 x 3,412mm | 48V | 200/240Hz | 0.6 | 1.5mm | 200Hz/240Hz(12,000/14,400V.P.M) | 16.8 |

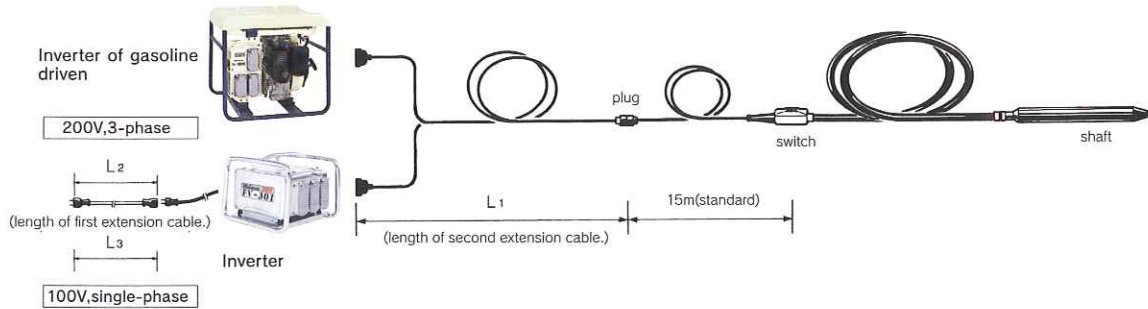
Features and specifications are subject to change without notification.

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-161 | 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-300VR | 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 |

Cabtyre Cable Selection



The formura 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 cabtyre cable (mm²)
 A : amperage 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 | cabtyre 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 : length of extension cable (m)
 C : cross-section area of cabtyre cable (mm²)
 A : amperage rating of the inverter

[100V, single-phases]

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

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



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 |

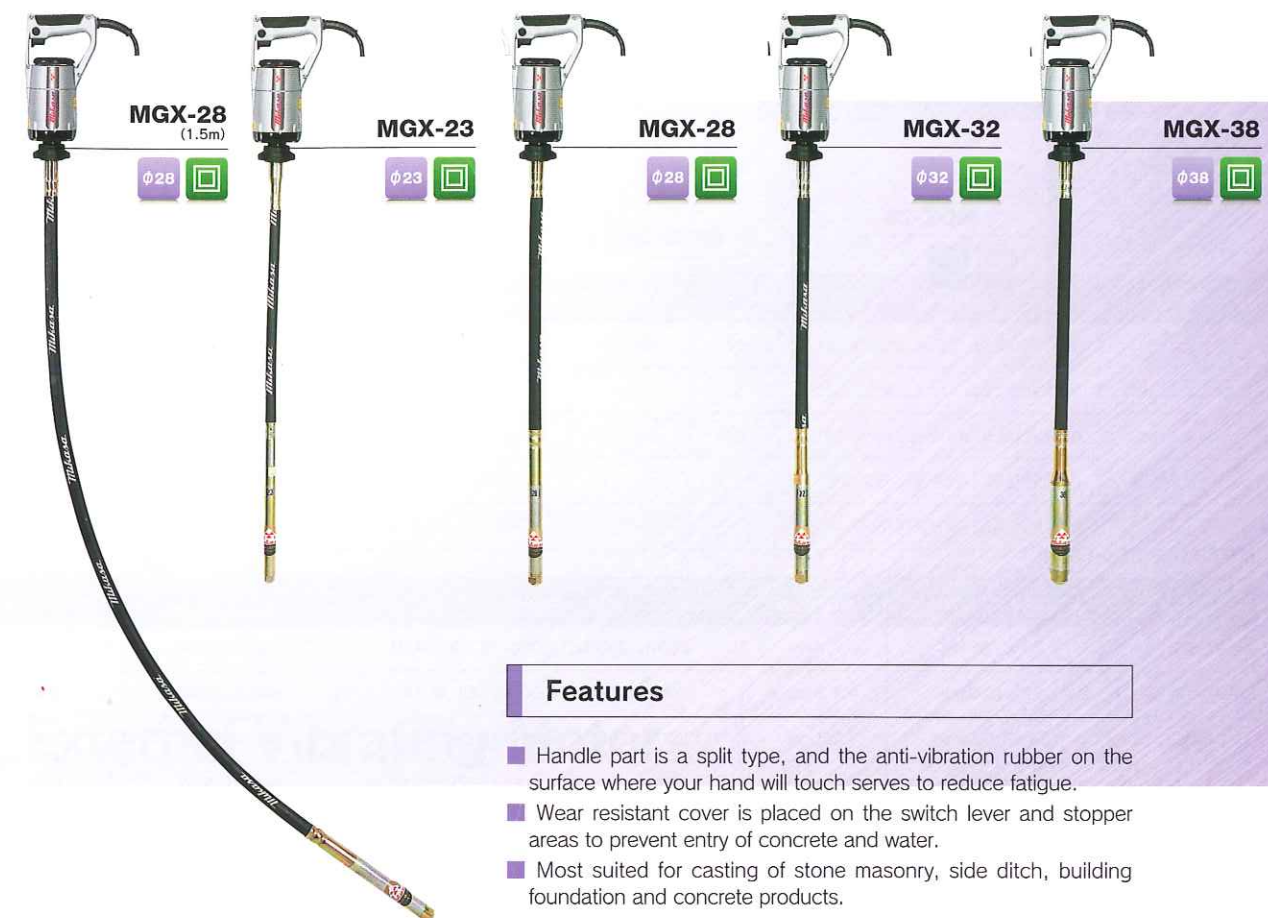
Features and specifications are subject to change without notification.

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

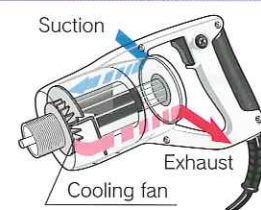
- Handle part is a split type, and the anti-vibration rubber on the surface where your hand will touch serves to reduce fatigue.
- Wear resistant cover is placed on the switch lever and stopper areas to prevent entry of concrete and water.
- Most suited for casting of stone masonry, side ditch, building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

Front surface sealed motor



MGX/MGZ motor

MGS/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 |

SPECIFICATIONS

Portable Concrete Vibrator

MGZ-28·32·L28·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 / 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



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 23.5 |
| GH-70S | 72 x 355mm | 12.7mm | 32 mm | 6m | 2.3mm | 150-208Hz(9,000-12,500V.P.M) | 6m 21.4 |

External Vibrating Motor

FJH-550·750



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) |

SPECIFICATIONS

Submersible Pump

WP-3LB / GE-5LE·5LD·5BE

WP-3LB



GE-5LD

GE-5BE
(turn-table type)

GE-5LE

GE / Specifications

| model | power source | weight(kg) |
|--------|--|------------|
| GE-5LE | Subaru EX17D max. output 4.2kW (5.7PS) | 28 |
| GE-5LD | Subaru DY23D max.output 3.7kW(5.0PS) | 50 |
| GE-5BE | Subaru EX17D max. output 4.2kW (5.7PS) | 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-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 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.

Glossary

The Specifications in this catalogue is based on "MIKASA TECHNICAL STANDARD".
"MIKASA TECHNICAL 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.

High-intensity LED Light

MLP-1212

MLP-1212 is a safe and sturdy portable high intensity LED light designed to be used by wide range of users in all types of locations or settings on a daily basis or at the time of emergency.

Features

- By predicting the harsh work site condition, this product, designed and manufactured by the construction machine manufacturer with extensive work-site knowledge, is made highly durable enough for daily use by the professionals at work site.
- The stable base shape effectively prevents the light from tipping over, and during storage, up to three units can be stacked up.
- Two types of outlet cables that you tend to lose can be stored inside the unit.
- Regular check of level gauge will prevent accidental low battery power problem.
- Eight-step-lighting type level gauge (green·red) enables visual check of remaining battery power.
- Water proof and dust proof design of IP65 class allows the use of this product both indoor and outdoor.
- Can be stored safely for a long period of time because maintenance-free sealed battery is used.
- During charging process that has check & charge function, the eight-step LED scrolling occurs (at full charge, all eight steps are lighted.)



MLP-1212



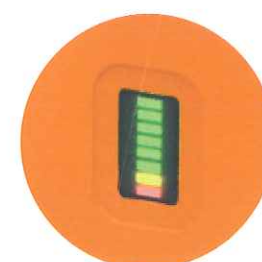
Highly durable LED lamp (life of about 40,000 hours) gives long life to this product.



Durable and water proof switch (left F: front lighting) · (right R: rear lighting)



Chargeable from general household power outlet of 100V to 240V and from a vehicle that shows its power at a time of emergency.



By the check & charge function indicator, remaining battery power is shown clearly.

Assumed locations of use

- As daily lighting of all locations, settings
 - Factory and warehouse, dark area and construction site at night
 - Festival and outdoor concert, for leisure (camp and open-air school)
 - Road, railway, ship and night operation of service businesses.
 - Lighting of work site for nighttime work of fire fighting and security service
- As lighting at the time of emergency or for emergency use
 - Company·home·school·administrative office·hospital·station·airport·subway, etc.
 - Nursing home and various care facilities
 - Disaster stock supply at disaster evacuation center
 - Rescue site for all kinds of disaster

MLP-1212 / Specifications

| model | weight (kg) | dimensions (Height: 3 step adjustment) | | | Light flux (Lm) | | LED source (unit) | | Light head angle adjustment (degree) | | Battery (with warning indication) | Continuous use time(h) at full charge | | Full charge time(h) | Allowable ambient temperature for use(degree) | Charge method(V) (Cable included) | |
|----------|-------------|--|--------|--------|-----------------|---------------|-------------------|---------------|--------------------------------------|-------|-----------------------------------|---------------------------------------|---------------|---------------------|---|-----------------------------------|-----------------------|
| | | H (mm) | L (mm) | W (mm) | One surface | Both surfaces | One surface | Both surfaces | Front | Rear | | One surface | Both surfaces | | | General power outlet | Power from automobile |
| MLP-1212 | 12 | 1185 (560) | 256 | 361 | 1200 | 2400 | 60 | 120 | 15 | 15/30 | Completely sealed type | 11 | 5.5 | 8~10 | -20~40 | 100~240 (AC) | 12/24 (DC) |

Features and specifications are subject to change without notification.

SPECIFICATIONS



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