

MBW

**COMPACTION AND CONCRETE
CONSTRUCTION EQUIPMENT**

CONSTRUCTION DIVISION

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COMPACTION & CONCRETE CONSTRUCTION EQUIPMENT

Since 1967, MBW, Inc. has been manufacturing one of the construction industry's most unique lines of small compaction and concrete equipment. Located in Slinger, WI, production began with its introduction of a lower maintenance vibratory plate compactor. MBW does not simply duplicate designs developed by others. MBW begins each new engineering project with the assumption that significant progress can be made in terms of improved productivity, reduced maintenance, longer life, enhanced user safety and lower long-term cost of ownership. MBW backs it's products with a 2 year warranty on compaction and a 1 year warranty on concrete finishing equipment. Today the company's product line encompasses a variety of soil compaction products including forward directional vibratory plates, gas and air rammers, skid steer roller attachments and a small excavator wheel attachment. The concrete side includes a gas and battery vibratory wet screed with bar sizes from 4 foot to 18 foot, truss screed, three sizes of walk-behind power trowels and a 5 foot ride-on power trowels. When you buy an MBW product, you are not only getting quality made equipment, you are also buying from a company who will give you lifetime customer service and support.

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PROVIDING A BETTER JOBSITE
EXPERIENCE



AIR FILTER OPTION



OPTIONAL SHOE

R422 RAMMERS are ideally suited for the compaction of granular, mixed and cohesive soils in confined areas.

- Patented UHMW polyethylene slide bearings provide minimal internal wear
- 11" ductile cast iron tamping shoe
- Optional 4" and 6" trench shoe
- Optional 6" extension
- Available with a choice of two engines:
- Honda GX100—which is also available with an oversized air filter
- Honda GXR120—recommended for altitudes above 4000 ft.

US & International Patents

MODEL	R422
Shoe Size	11 x 13 in (28 x 33 cm)
Engine Options & Operating Weight	Honda GX100 145 lbs (66 kg)
	Honda GX100 with Oversized Air Filter 149 lbs (68 kg)
	Honda GXR120 145 lbs (66 kg)
Percussion Rate	Up to 720 blows/min
Compaction Rate	3025 ft ² /hr (281 m ² /hr)
Travel Speed	Up to 55 ft/min (16 m/min)
Compaction Depth*	Up to 18 in (45 cm)

* Clean sand, optimum moisture. MBW recommends that lifts not exceed 12" of granular soil, 9" of cohesive soil. Fuel capacity of 1.0 gal (3.8 L); Engine 3550 rpm
 () Metric Measurements. Specifications subject to change without notice.

RAMMERS
FORWARD DIRECTIONAL VIBRATORY PLATES
SKID STEER ROLLER ATTACHMENTS
MINI EXCAVATOR WHEEL ATTACHMENT

COMPACTION

R442



R442 RAMMERS are ideally suited for the compaction of granular, mixed and cohesive soils in confined areas.

- R442 delivers approximately 20% more compaction force than the R422
- Patented UHMW polyethylene slide bearings provide minimal internal wear
- 11" ductile cast iron tamping shoe

Available with a choice of two engines:

- Honda GX100 - also available with an oversized air filter
- Honda GXR120 - recommended for altitudes above 4000 ft.

US & International Patents

MODEL	R442
Shoe Size	11 x 13 in (28 x 33 cm)
Engine Options & Operating Weight	Honda GX100 150 lbs (68 kg)
	Honda GX100 with Oversized Air Filter 154 lbs (70 kg)
	Honda GXR120 150 lbs (68 kg)
Percussion Rate	Up to 720 blows/min
Compaction Rate	3025 ft ² /hr (281 m ² /hr)
Travel Speed	Up to 55 ft/min (16 m/min)
Compaction Depth*	Up to 18 in (45 cm)

* Clean sand, optimum moisture. MBW recommends that lifts not exceed 12" of granular soil, 9" of cohesive soil. Fuel capacity of 1.0 gal (3.8 L); Engine 3550 rpm
 () Metric Measurements. Specifications subject to change without notice.

AR56/57 AIRAMMER



4" & 6" NARROW SHOE WITH 12" EXTENSION

The **Airammer**® is a pneumatically powered rammer which eliminates a long list of engine related problems:

- No spark plug or rewind starter
- No flooding or rpm issues

The Airammer also offers the following advantages:

- No need to handle flammable gas or oil
- No exhaust fumes, safe for indoor use
- Transport or store in any position
- No frustration of trying to start an engine or stopping to refuel
- Less maintenance equals lower costs

The Operator Presence Control handle is a safety feature that will engage and disengage the operation of the unit.

MODEL	AR56	AR57
Shoe Size	Iron 11 x 13 in (28 x 33 cm)	Alum 13 x 15 in (33 x 38 cm)
Operating Weight	124 lbs (56 kg)	126 lbs (57 kg)
Percussion Rate	650 blows/min	650 blows/min
Compaction Rate	3300 ft ² /hr (307 m ² /hr)	3900 ft ² /hr(362 m ² /hr)
Travel Speed	Up to 60 ft/min (18.3 m/min)	Up to 60 ft/min (18.3 m/min)
Compaction Depth*	Up to 24 in (61 cm)	Up to 24 in (61 cm)
Air Required	75 cfm 110 psi	75 cfm 110 psi
RPM	4500	4500

* Clean sand, optimum moisture. MBW recommends that lifts not exceed 12" of granular soil, 9" of cohesive soil. () Metric Measurements. Specifications subject to change without notice.

1000 SERIES / 130 TO 174 LB RANGE



This series of small vibratory plates, the 12, 15 & 18, are for landscapers, small concrete contractors and rental fleets.

- Available with or without a water tank
- Patented suspension system
- Reduced hand/arm vibration
- Ideal for confined areas



MODEL	GP12	GP15	GP18
Plate Size WxL	13 x 22.5 in (33 x 57 cm)	16 x 22.5 in (40 x 57 cm)	18 x 22.5 in (46 x 57 cm)
Operating Weight	137 lbs (62 kg)	145 lbs (66 kg)	174 lbs (79 kg)
Engine	Honda GX120	Honda GX120	Honda GX160
Engine Speed	3400 rpm	3475 rpm	3400 rpm
Amplitude	.055 in (1.40 mm)	.052 in (1.32 mm)	.063 in (1.59 mm)
Centrifugal Force	1920 lbs (8.5 kN)	2000 lbs (8.9 kN)	2780 lbs (12.6 kN)
Exciter Speed	5240 vpm	5350 vpm	5240 vpm
Compaction Depth*	Up to 10 in (25 cm)		
Travel Speed	up to 83 ft/min (25 m/min)	up to 68 ft/min (21 m/min)	up to 75 ft/min (23 m/min)
Compaction Rate	5395 ft ² /hr (501 m ² /hr)	5440 ft ² /hr (505 m ² /hr)	6750 ft ² /hr (627 m ² /hr)
Noise Level	84-94 dBA		

* Clean sand, optimum moisture. MBW recommends that lifts not exceed 12".
 () Metric Measurements. Specifications subject to change without notice.

1000 SERIES / 134 TO 178 LB RANGE



- Easy to lift and maneuver
- One piece exciter with self cleaning open base plate design
- Optional UHMW paving pad accessory for placing interlocking paving stone/brick/block
- Optional wheel kit

Patented



OPTIONAL UHMW PAD



OPTIONAL WHEEL KIT

MODEL	AP12	AP15	AP18
Plate Size WxL	13 x 22.5 in (33 x 57 cm)	16 x 22.5 in (40 x 57 cm)	18 x 22.5 in (46 x 57 cm)
Operating Weight	No Water 139 lbs (63 kg) Full Water 158 lbs (72 kg)	No Water 147 lbs (67 kg) Full Water 166 lbs (75 kg)	No Water 183 lbs (83 kg) Full Water 202 lbs (92 kg)
Engine	Honda GX120	Honda GX120	Honda GX160
Engine Speed	3400 rpm	3475 rpm	3400 rpm
Amplitude	.054 in (1.38 mm)	.051 in (1.30 mm)	.060 in (1.51 mm)
Centrifugal Force	1920 lbs (8.5 kN)	2000 lbs (8.9 kN)	2780 lbs (12.6 kN)
Exciter Speed	5240 vpm	5350 vpm	5240 vpm
Compaction Depth*	Up to 10 in (25 cm)		
Travel Speed	up to 83 ft/min (25 m/min)	up to 68 ft/min (21 m/min)	up to 75 ft/min (23 m/min)
Compaction Rate	5395 ft ² /hr (501 m ² /hr)	5440 ft ² /hr (505 m ² /hr)	6750 ft ² /hr (627 m ² /hr)
Water Tank Capacity	2.3 gal (8.7 l)	2.3 gal (8.7 l)	2.3 gal (8.7 l)
Noise Level	84-94 dBA		

* Clean sand, optimum moisture. MBW recommends that lifts not exceed 12".
 () Metric Measurements. Specifications subject to change without notice.

2000 SERIES / 168 TO 193 LB RANGE



MBW's **AP2000** was the first vibratory plate compactor specifically designed for asphalt applications.

Stress relieved steel plates are crack resistant and provide long wear. Aluminum exciter housing dissipates heat rapidly and custom lubricants preserve bearing and seal integrity.

- Standard with the Honda GX160 engine
- Optional UHMW paving pad accessory for interlocking paving blocks
- Optional wheel kit



OPTIONAL UHMW PAD



OPTIONAL WHEEL KIT

MODEL	AP2000
Plate Size WxL	20 x 22 in (51 x 56)
Operating Weight	No Water 168 lbs (76 kg)
	Full Water 193 lbs (88 kg)
Engine Options	Honda GX160
Amplitude (No Water)	.082 in (2.08 mm)
Centrifugal Force	2475 lbs (11 kN)
Exciter Speed	4400 vpm
Compaction Depth*	Up to 12 in (31 cm)
Travel Speed	up to 90 ft/min(27 m/min)
Compaction Rate	9000 ft ² /hr (836 m ² /hr)
Water Tank Capacity	3 gal (11.3 l)

* Clean sand, optimum moisture. MBW recommends that lifts not exceed 12".
 () Metric Measurements. Specifications subject to change without notice.

2000 SERIES / 165 LBS



The **GP2000** is designed to provide optimal productivity in compaction of sands and gravel; does not include a water tank.

- Standard with the Honda GX160 engine
- Optional UHMW paving pad accessory for placing interlocking paving stone/brick/block
- Optional wheel kit



OPTIONAL UHMW PAD



OPTIONAL WHEEL KIT

MODEL	GP2000
Plate Size WxL	20 x 22 in (51 x 56 cm)
Operating Weight	165 lbs (75 kg)
Engine Options	Honda GX160
Amplitude	.083 in (2.11 mm)
Centrifugal Force	3250 lbs (14.5 kN)
Exciter Speed	5050 vpm
Compaction Depth*	Up to 14 in (36 cm)
Travel Speed	up to 120 ft/min (37 m/min)
Compaction Rate	12000 ft ² /hr (1115 m ² /hr)

* Clean sand, optimum moisture. MBW recommends that lifts not exceed 12".
 () Metric Measurements. Specifications subject to change without notice.

3000 SERIES / 226 TO 254 LB RANGE



AP3550 and the GP3550 are premium, high production compactors that will run for decades. The base plate 1 inch wider than the 2000 series.

- Available with or without a water tank
- Full roll cage protection
- Reduced hand/arm vibration
- Enhanced amplitude and faster travel speeds

MODEL	AP3550	GP3550
Plate Size WxL	21 x 22 in (53 x 56 cm)	
Weight	No Water 229 lbs (104 kg) Full Water 254 lbs (115 kg)	226 lbs (103 kg)
Engine	Honda GX160	
Amplitude	.086 in (1.5 mm)	.087 in (1.5 mm)
Centrifugal Force	3550 lbs (16.1 kN)	
Exciter Speed	4400 vpm	
Compaction Depth*	Up to 18 in (46 cm)	
Travel Speed	up to 110 ft/min (34 m/min)	
Compaction Rate	11550 ft ² /hr (1073 m ² /hr)	

* Clean sand, optimum moisture. MBW recommends that lifts not exceed 12".
() Metric Measurements. Specifications subject to change without notice.

5000 SERIES / 288 LBS



This large forward directional vibratory plate, the **GP5800**, with no known competition in its class size, offers outstanding performance, ease of service and long life expectancy.

- Standard protective cage
- Reduced hand/arm vibration
- Superior suspension
- MBW's fastest forward directional plate



MODEL	GP5800
Plate Size WxL	23 x 24 in (58 x 61 cm)
Weight	289 lbs (131 kg)
Engine	Honda GX270
Amplitude	.094 in (2.39 mm)
Centrifugal Force	5800 lbs (25.8 kN)
Exciter Speed	4800 vpm
Compaction Depth*	Up to 20 in (51 cm)
Travel Speed	up to 130 ft/min (39.6 m/min)
Compaction Rate	14950 ft ² /hr (1389 m ² /hr)

* Clean sand, optimum moisture. MBW recommends that lifts not exceed 12".
() Metric Measurements. Specifications subject to change without notice.

SKID STEER ROLLER ATTACHMENTS



MBW's skid steer vibratory roller attachments are available with smooth or padded drums in 73 or 84 inch working widths.

All models feature:

- Hydraulically powered exciter systems lubricated by an oil mist design
- Patented exciter shaft design that minimizes exciter shaft deflection, lowers operating temperatures, and provides the industry's lowest incidence of bearing and seal failure
- Oversized shock mounts decrease vibration
- Knockdown blade
- Hydraulic motor that is mounted inside the frame
- Includes two 64 inch long standard quick connect-disconnect hydraulic hoses with abrasion covers
- Universal quick attach system



SKID STEER ROLLER ATTACHMENTS



MBW compaction attachments for skid-steer loaders offer contractors and rental yards a cost effective, low maintenance alternative to comparatively high cost self-contained rollers.

US Patents



MODEL	ATS73	ATS84
Length	43.3 in (110 cm)	
Height/Weight	Smooth 29 in (74 cm) 1940 lbs (880 kg)	Smooth 29 in (74 cm) 2260 lbs (1025 kg)
Working Width	73 in (185 cm)	84 in (213 cm)
Amplitude	.05 in (1.3 mm)	
Exciter Speed	3000 rpm	
Centrifugal Force	8850 lbs (39.4 kN)	9765 lbs (43.4 kN)
Flow Requirement	10-50 gpm (38-189 Lpm)	
Pressure Requirement	1500-3000 psi (103-207 bar)	
Hydraulic Connection	1/2" Flat Face Quick Coupling	

() Metric Measurements. Specifications subject to change without notice.

MODEL	ATP73	ATP84
Length	43.3 in (110 cm)	
Height/Weight	Padded 30 in (76 cm) 2080 lbs (943 kg)	Padded 30 in (76 cm) 2410 lbs (1093 kg)
Working Width	73 in (185 cm)	84 in (213 cm)
Amplitude	.05 in (1.3 mm)	
Exciter Speed	3000 rpm	
Centrifugal Force	8850 lbs (39.4 kN)	9765 lbs (43.4 kN)
Flow Requirement	10-50 gpm (38-189 Lpm)	
Pressure Requirement	1500-3000 psi (103-207 bar)	
Hydraulic Connection	1/2" Flat Face Quick Coupling	

() Metric Measurements. Specifications subject to change without notice.

MVW11 STICK-MOUNTED WHEEL



The MVW11 is the first vibratory wheel made specifically for a mini-excavator. This 11" wheel is designed for a mini-excavator in the 7K to 14K range.

MBW's MVW11 has two important advantages for contractors:

- Versatility as is effective on all soil types
- Increased productivity



MODEL	MVW11
Weight	660 lbs (300 kg)
Working Width	11" (28 cm)
Height	36" (91 cm)
Length	32" (81 cm)
Exciter Speed	3000 rpm
Centrifugal Force**	2780 lbf (12.4 kN)
Flow Requirement	10-50 gpm (38-189 Lpm)
Minimum Pressure Requirement	1500 psi (103 bar)

** Centrifugal force data for vibratory plates is not an expression of compaction effectiveness or force. See "Beware of Compaction" Specifications.
 () Metric Measurements. Specifications subject to change without notice.

BLITZSCREED® VIBRATORY TRUSS SCREED
SCREEDEMON™ VIBRATORY WET SCREED
WALK BEHIND POWER TROWELS
RIDE-ON POWER TROWEL

CONCRETE

VIBRATORY TRUSS SCREED

MECHANICAL
BLITZSCREED

BLITZSCREED® is state-of-the art in vibratory truss screeds. The Blitzscreed is set-up and cleaned in roughly half the time of other screeds. The quick coupling method of joining section shafts is fast and eliminates failure of mechanical connectors.

Blitzscreed sections can be combined to produce screeds up to 75 feet (screeds in 25 to 40 foot range are the most common lengths).

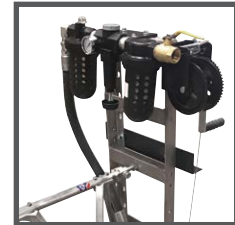
Blitzscreed is available in engine driven or pneumatic models with manual or hydraulic winch options.

MANUAL WINCHES: Two 60 foot cables

HYDRAULIC WINCHES: enhance safe operation with a top mounted engagement lever for instant activation and deactivation. Travel speed is easily adjusted through a simple valve control. The units also have an adjustable relief valve that stops the winches in case of an obstruction. Each end operates independently for maximum maneuverability around columns and other obstacles.



MANUAL WINCH



AIR BLITZSCREED



HYDRAULIC WINCH



MODEL	MVS
Length	2 ft 4 in (.71 m)
	4 ft 4 in (1.32 m)
	8 ft 4 in (2.54 m)
Width	15 in (38 cm)
Height	16 in (41 cm)
Weight Per Foot	8.3 lbs/ft (12 kg/m)
Vibration	up to 2800 vpm

() Metric Measurements. Specifications subject to change without notice.

VIBRATORY TRUSS SCREED

MODEL	AVS
Length	2 ft 4 in (.71 m)
	4 ft 4 in (1.32 m)
	8 ft 4 in (2.54 m)
Width	15 in (38 cm)
Height	16 in (41 cm)
Weight Per Foot	8.9 lbs/ft (13.2 kg/m)
Vibration	up to 8000 vpm

() Metric Measurement. Specifications subject to change without notice.

SCREEDEMON™ WET SCREED



The **ScreeDemon™** is the most innovative and ergonomically designed wet screed on the market.

- Variable throttle
- Tool-free adjustable handle
- Patented dual level anti-vibration system
- Sealed exciter with oversized bearings
- Magnesium screed bars
- Clamping mechanism allows quick and easy attachment of bar to screed

US & International Patents

SCREEDEMON™ WET SCREED



The **ScreeDemon™ Powered by M18™ REDLITHIUM™**

- Quieter than the engine version
- Worklights for indoor jobs
- Zero emissions making it perfect for indoor work
- Use any Milwaukee Tool M18™ REDLITHIUM™ battery. Specs are based on the 12 Ah battery.



POWERED BY
M18 REDLITHIUM



MODEL	WS500 GAS	WS500 BATTERY
Operating Weight	29 lbs (13.2 kg)	33.5 lbs (15.2 kg)
Power Source	Honda GX35	M18™ REDLITHIUM™
Max Rated Power	1.5 hp (1.12 kW) @7000 rpm	18V DC Motor
Displacement	2.1 in³ (35 cm³)	N/A
Fuel Tank Capacity	0.17 gal (0.64 L)	N/A

() Metric Measurements. Specifications subject to change without notice.

SCREEDEMON™ BARS



MBW ScreeDemon™ extra rigid, double triangular, magnesium bars:

- Minimize variability in vibration
- Clamp to the ScreeDemon™ - no holes or hardware through the bar
- Are attached or removed from the power head in seconds for cleaning and transport
- Allow offsetting the power head for working under protrusions
- Have a beveled, cutting edge that make heavy contact with concrete. This beveled edge decreases the amount of bullfloating required after the wet screed is used.



BARS	WIDTH	WEIGHT
17804	4 ft (1.22 m)	8.1 lbs (3.7 kg)
17806	6 ft (1.83 m)	12.1 lbs (5.5 kg)
17808	8 ft (2.44 m)	16.1 lbs (7.3 kg)
17810	10 ft (3.05 m)	20.1 lbs (9.1 kg)
17812	12 ft (3.66 m)	24.0 lbs (10.9 kg)
17814	14 ft (4.27 m)	28.0 lbs (12.7 kg)
17816	16 ft (4.88 m)	32.0 lbs (14.5 kg)
17818*	18 ft (5.49 m)	36.0 lbs (16.3 kg)

* 18 ft bars require two ScreeDemon power units.

() Metric Measurements. Specifications subject to change without notice.

WALK-BEHIND POWER TROWELS



The **F24 EDGER TROWEL** is ideal for jobs that require a lightweight, highly maneuverable, professional finishing tool. Perfect for edging in the tightest spaces, the F24 Walk Behind Power Trowel is always ready when needed. A float pan is included.



ROTATING GUARD RING



FOLD DOWN HANDLE

MODEL	F24
Engine Options	Honda GX120 (114 lbs/64 kg) 3 HP Motor Single Phase 220V (126 lbs/57 kg)
Ring Diameter	24 in (61 cm)
Trowel Speed	70-125 rpm

() Metric Measurements. Specifications subject to change without notice.

WALK-BEHIND POWER TROWELS



MBW Walk-Behind Power Trowels contain gearboxes that have been time tested since the 1970's. The gearbox is made of heavy-duty cast aluminum alloy with heat dissipating fins that guarantee the trowel's whole life cost.

- Oversized tapered roller bearings that excel at handling radial and thrust loads
- One piece worm shaft for ease of disassembly and maintenance
- Solid bronze worm gear eliminates any potential separation of composite designs, reliably transmitting torque to the large diameter output shaft

WALK-BEHIND POWER TROWELS



Other features

- Tool free operator handle adjustment on standard and low vibration handle
- ISO compliant, low profile guard ring allows for easy cleaning and blade changes
- High torque option with a CVT clutch (Continuously Variable Transmission) for low speed/high torque and high speed applications



OPTIONAL HIGH TORQUE CLUTCH

Patented

THREE HANDLE OPTIONS:



STANDARD



EZ PITCH



LOW VIBRATION

MODEL	F36	F46
Engine Options	Honda GX160 183 lbs (83 kg)	Honda GX270 246 lbs (112 kg)
Operating Weight	Honda GX270 209 lbs (95 kg)	Honda GX390 260 lbs (118 kg)
	Honda GX270 High Torque 216 lbs (98 kg)	Honda GX390 High Torque 267 lbs (121 kg)
Ring Diameter	37.5 in (95 cm)	47.6 in (121 cm)
Blade Sweep Dia.	35.5 in (90 cm)	46 in (117 cm)
Trowel Speed	70-135 rpm 35-180 rpm High Torque	70-135 rpm 35-180 rpm High Torque
Low Vibration Handle Height	35.8" Min - 43.3" Max (91-110 cm)	
Noise Level	85-105 dBA	

() Metric Measurements. Specifications subject to change without notice.



RIDE-ON POWER TROWEL



MK8-75
Manual Steering

The **MK8-75** is the industry's smallest ride-on trowel. A manual steer, 11.7 hp, 5 foot machine that covers a range of floating and finishing applications. This edging trowel contains nylon roller wheels that allow for closer finishing to walls, columns, conduits and posts.

- Low center of gravity and ideal lines of sight
- Protected drive train
- Easy to service
- Easy accessible lifting hook and lifting handles.
- Comes standard with lifting handles and float pans



NOTES

MODEL	MK8-75
Engine	Honda GX390
Operating Weight	460 lbs (209 kg)
Blades	8
Troweling Path	63 in (161 cm)
Fuel	Gas
Steering	Manual
Rotors	2
Rotor Speeds	up to 130 rpm

() Metric Measurements. Specifications subject to change without notice.



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