COMPACTION & CONCRETE CONSTRUCTION EQUIPMENT

SOLUTIONS THAT LAST

M-B-W

Construction Division

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Since 1967, MBW has been manufacturing one of the construction industry's most interesting lines of compaction, concrete and related equipment.

What makes the MBW line interesting? MBW is not a copyist – we do 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 or lower long-term cost of ownership. Often, MBW's R&D efforts result in entirely fresh approaches to solving industry problems. Many of our products have pushed the productivity envelope to new heights (Plates, EXA Compactors, Blitzscreed, Soil Compaction Supervisor, Soil Pick, Slipform Paver). Some MBW products afford their operators the industry's safest tools in a given product class (Soil Pick, Airammer, EXA Compactors). Most MBW products solve long standing maintenance issues and extend product life expectations (Plates, Rammers, Trowels, Mixers and other MBW products). Our goal is to provide equipment users with products of significant, tangible, comparative value... reasons to invest in MBW products.

RAMMERS

HIGH PERFORMANCE PERCUSSION RAMMERS

MBW approaches rammer development aggressively. We attack high maintenance issues usually associated with this product type. The MBW delivery system is the lowest friction, heat and maintenance percussion unit in the industry. Less friction, heat and wear in the delivery system translates into lower continuous horsepower demands to keep the rammer running. That means fewer engine problems and longer engine life. Bellows failures are reduced by as much as 90% with MBW's 4-ply, steel reinforced, vulcanized rubber bellows.

MBW addresses maintenance issues on throttle systems, tamping shoes, fuel tanks, gearboxes, shock mounts, proper engine rpm and we answer the question as to when your service staff should perform routine maintenance.

While MBW rammers are decidedly high performance, the thing that truly separates our rammers from the competition is an unrelenting, aggressive attack on the industry's outstanding problems with rammers.

R420, R421 & R440 SERIES

The **R420, R421 & R440 Series Rammer** are ideally suited for the compaction of granular, mixed and cohesive soils in confined areas. A mainstay in contractor and municipal fleets, the R420, R421 & R440 offer highly productive percussion rammers at less than 128 or 136 lbs. respectively. The contoured fuel tank provides the largest fuel capacity in its class and effectively baffles engine noise. Power is supplied by a 3 hp 4-cycle Honda engine.

- Up to 3700 lbs. (16.4 kN) of compaction force
- 4-cycle engine
- Elevated bellows placement for trench applications
- Polyethylene slide bearings provide minimal internal wear
- 10" or 11" high density, die cast aluminum tamping shoe
- 4" and 6" trench shoes available for the R420

SPECIFICATIONS	R420HC*	R421HC*	R440H
Shoe Size	10 x 11.5 in (25 x 29 cm)	11 x 13 in (28 x 33 cm)	11 x 13 in (28 x 33 cm)
Operating Weight	126 lb (57 kg)	128 lb (58 kg)	136 lb (62 kg)
Engine Option	Honda GX100 3 hp (2.2 kw)	Honda GX100 3 hp (2.2 kw)	Honda GX100 3 hp (2.2 kw)
Compaction Force	Up to 3100 lbf (up to 13.8 kN)	Up to 3100 lbf (up to 13.8 kN)	Up to 3700 lbf (up to 16.4 kN)
Travel Speed	Up to 55 ft/min (16 m/min)	Up to 55 ft/min (16 m/min)	Up to 55 ft/min (16 m/min)
Compaction Depth	Up to 18 in (45 cm)	Up to 18 in (45 cm)	Up to 18 in (45 cm)

* Also available is the R420HL and R421HL with a low-vibration handle.

Percussion rate of up to 750 blow/min;
Fuel capacity of 4.6 qt (4.3 l); Engine 3600 rpm

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

RAMMERS

SMART RAMMER SERIES

The Smartest Rammers in the industry, this MBW line is equipped with integral tachometers and hour meters that indicate when maximum operational performance is being reached and when maintenance intervals are needed. The result is higher productivity and increased service life. Weighing between 153-163 lbs. (69-74 kg), **Smart Rammers** produce compaction depths to 25 inches (64 cm)* and up to 4,550 lbs. (20.2 kN) of force per blow.

Models R480R and R481R are recommended for altitude above 4000 ft.

Smart Rammers are available with a choice of two engines which provide sure starts and long-term low maintenance.

- Robin EH12 4-cycle
- Honda GX100 4-cycle

** Clean sand, optimum moisture.*
MBW recommends that lifts not exceed 12" of granular soil, 9" of cohesive soil.

SPECIFICATIONS	R480R	R480H	R481R	R481H
Shoe Size	11 x 13 in (28 x 33 cm)	11 x 13 in (28 x 33 cm)	13 x 15 in (33 x 38 cm)	13 x 15 in (33 x 38 cm)
Operating Weight	160 lb (73 kg)	153 lb (69 kg)	163 lb (74 kg)	156 lb (71 kg)
Engine Option	Robin EH12 4 hp (3 kw)	Honda GX100 3 hp (2.2 kw)	Robin EH12 4 hp (3 kw)	Honda GX100 3 hp (2.2 kw)
Compaction Force	4550 lbf (20.2 kN)	4550 lbf (20.2 kN)	4550 lbf (20.2 kN)	4550 lbf (20.2 kN)
Compaction Area	3300 sqft (307 sqm)	3300 sqft (307 sqm)	3900 sqft (362 sqm)	3900 sqft (362 sqm)
Travel Speed	60 ft/min (18.3 m/min)	60 ft/min (18.3 m/min)	60 ft/min (18.3 m/min)	60 ft/min (18.3 m/min)
Compaction Depth	25 in (64 cm)	25 in (64 cm)	25 in (64 cm)	25 in (64 cm)

All models: Percussion rate of up to 650 blow/min; Fuel capacity of 4.6 qt (4.3 l)

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

HARDEST HITTING, LONGEST LASTING

MBW's advancements in vibratory plates have revolutionized the field over the past 38 years. MBW designs have doubled productivity, dramatically reduced maintenance and extended product life. The competition has been in continual catch-up mode. Today, MBW offers the industry's broadest range of high production, single direction plates. Performance and life expectations of MBW plates continue to define the state-of-the-art.

- Unsurpassed exciter quality including extra heavy duty housings, precision ground ductile eccentric shafts, oversized application matched bearings, oil mist lubrication system and custom lubricants to withstand high operating temperatures.
- Stress relieved steel tamping plates are crack resistant and provide years of useful service.
- Tough, custom designed centrifugal clutches.
- Application matched quality shock mounts and double isolated guide handles.
- Most importantly, each model offers a unique combination of frequency, centrifugal force, amplitude and mass to provide the best possible results in terms of productivity and product life.

VIBRATORY PLATES

AP1400 shown with roll cage & water tank

1400 SERIES

The **1400 Series** of vibratory plates are portable, economical and offer outstanding performance. Ideally suited for confined areas of sand and gravel, the GP1400 is capable of achieving lift depths of 10 inches (25 cm). The lightweight design, accompanied by intense vibration, allows the GP1400 series to be used for placing interlocking paving stones. The easily removable handle allows for convenient transport in any vehicle. Roll cage and water tank standard equipment on AP1400 for asphalt applications.

1800 SERIES

The lightweight, highly portable **1800 Series** of vibratory plates offers an economical alternative for small to medium soil applications. These plates are ideally suited for confined areas of sand and gravel and are capable of achieving lifts of up to 12 inches (30 cm). Available with either Honda or Robin engines and optional roll cage.

- Optional neoprene paving pad accessory for interlocking paving blocks
- One piece exciter with self cleaning open plate housing design

SPECIFICATIONS	AP1400H	GP1400H	GP1800H	GP1800R
Engine	Honda GX120 4.0 hp (3.0 kw)	Honda GX120 4.0 hp (3.0 kw)	Honda GX120 4hp (3.0 kw)	Robin EX130 4.5 hp (3.4 kw)
Operating Weight	149 lb (68 kg)	129 lb (59 kg)	136 lb (62 kg)	139 lb (63 kg)
Plate Size WxL	14 x 21 in (36 x 53 cm)	14 x 21 in (36 x 53 cm)	18 x 21 in (46 x 53 cm)	18 x 21 in (46 x 53 cm)
Centrifugal Force	1925 lbf (8.6 kN)	1925 lbf (8.6 kN)	2300 lbf (10.2 kN)	2300 lbf (10.2 kN)
Exciter Speed	5240 vpm	5240 vpm	4710 vpm	4710 vpm
Compaction Depth	10 in (25 cm)	10 in (25 cm)	12 in (30 cm)	12 in (30 cm)
Travel Speed	85 ft/min (26 m/min)	85 ft/min (26 m/min)	100 ft/min (30 m/min)	100 ft/min (30 m/min)
Compaction Area	5100 sqft/h (474 sqm/h)	5100 sqft/h (474 sqm/h)	9000 sqft/h (836 sqm/h)	9000 sqft/h (836 sqm/h)

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

2000 SERIES

MBW's **AP2000** is the only vibratory plate compactor specifically designed for asphalt applications. Frequency, amplitude, centrifugal force and mass are all established at optimal levels for maximum productivity on asphalt.

Further, the mechanical construction of the AP2000 is specific to this very demanding application. Stress relieved steel plate housings are crack resistant and provide long wear. Aluminum exciter housing dissipates heat rapidly and custom lubricants preserve bearing and seal integrity. The self cleaning plate prevents dirt build-up.

The **GP2000** is a permutation of the AP2000 where frequency, amplitude, centrifugal force and mass are adjusted to provide optimal productivity in the compaction of sands and gravel. The GP2000 is capable of achieving excellent densities on lifts of granular soils up to 14" (36 cm)*.

- Both units available with either Honda or Robin engines
- Optional neoprene paving pad accessory for interlocking paving blocks

** Clean sand, optimum moisture. MBW recommends that lifts not exceed 12".*

SPECIFICATIONS	AP2000H	GP2000H	AP2000R*	GP2000R*
Engine	Honda GX160 5.5 hp (4.1 kw)	Honda GX160 5.5 hp (4.1 kw)	Robin EX13 4.5 hp (3.4 kw)	Robin EX13 4.5 hp (3.4 kw)
Operating Weight	*AP2000H* *No Water* 168 lb (76 kg) *AP2000H* *Full Water* 193 lb (88 kg)	165 lb (75 kg)	*AP2000R* *No Water* 168 lb (76 kg) *AP2000R* *Full Water* 193 lb (88 kg)	165 lb (75 kg)
Plate Size WxL	20x22 in (51x56 cm)	20x22 in (51x56 cm)	20x22 in (51x56 cm)	20x22 in (51x56 cm)
Centrifugal Force	2475 lbf (11 kN)	3250 lbf (14.5 kN)	2475 lbf (11 kN)	3250 lbf (14.5 kN)
Exciter Speed	4400 vpm	5050 vpm	4400 vpm	5050 vpm
Compaction Depth	12 in (31 cm)	14 in (36 cm)	12 in (31 cm)	14 in (36 cm)
Travel Speed	90 ft/min (27.4 m/min)	120 ft/min (36.6 m/min)	90 ft/min (27.4 m/min)	120 ft/min (36.6) m/min
Compaction Area	8550 sqft/h (794 sqm/h)	10800 sqft/h (1000 sqm/h)	8550 sqft/h (794 sqm/h)	10800 sqft/h (1000 sqm/h)

* Also available is the AP2000R6 or GP2000R6 with a Robin EX17 6 hp engine.
( ) Metric Measurements.
Specifications subject to change without notice.

VIBRATORY PLATES

3550 SERIES

The **GP3550** is a premium, high production compactor with life expectancy that runs to decades with reasonable maintenance. The deck features a full roll cage as standard equipment with provisions for a water tank for asphalt compaction on **AP3550**. The base plate is self-cleaning with an open sided plate design that allows material to flow out and away from the belt/pulley assembly during operation. Both models provide reduced hand/arm vibration, full roll cage protection, enhanced amplitude, faster travel speed and updated yet rugged appearance.

3000-15 SERIES

The **GP3000-15** is ideal for confined work areas, such as sidewalk, curb and gutter, and narrow trenches.
This specialty plate is not a lightweight compactor. Its operating weight is over 200 lbs. (91 kg) and produces 3,550 lbs. (15.8 kN) of centrifugal force, compaction depths up to 16 in. (41 cm)*, and a travel speed of 120 ft./min (36.6 m/min.).

** Clean sand, optimum moisture. MBW recommends that lifts not exceed 12".*

SPECIFICATIONS	GP3550H AP3550H	GP3550R* AP3550R*	GP3000-15H	GP3000-15R
Engine	Honda GX160 5.5 hp (4.1 kw)	Robin EX13 4.5 hp (3.4 kw)	Honda GX160 5.5 hp (4.1 kw)	Robin EX13 4.5 hp (3.4 kw)
Operating Weight	*GP3550H* 226 lb (103 kg) *AP3550H-No Water* 229 lb (104 kg) *AP3550H-Full Water* 254 lb (115 kg)	*GP3550R* 226 lb (103 kg) *AP3550R-No Water* 229 lb (104 kg) *AP3550R-Full Water* 254 lb (115 kg)	202 lb (92 kg)	204 lb (93 kg)
Plate Size WxL	21x22 in (53x56 cm)	21x22 in (53x56 cm)	16x20 in (41x51 cm)	16x20 in (41x51 cm)
Centrifugal Force	3550 lbf (15.8 kN)	3550 lbf (15.8 kN)	3550 lbf (15.8 kN)	3550 lbf (15.8 kN)
Exciter Speed	4400 vpm	4400 vpm	4400 vpm	4400 vpm
Compaction Depth	18 in (47 cm)	18 in (47 cm)	16 in (41 cm)	16 in (41 cm)
Travel Speed	110 ft/min (34 m/min)	110 ft/min (34 m/min)	120 ft/min (36.6 m/min)	120 ft/min (36.6 m/min)
Compaction Area	11000 sqft/h (1022 sqm/h)	11000 sqft/h (1022 sqm/h)	9600 sqft/h (890 sqm/h)	9600 sqft/h (890 sqm/h)

* Also available is the GP3550R6 or AP3550R6 with a Robin EX17 6 hp engine.
( ) Metric Measurements.
Specifications subject to change without notice.

5500 SERIES

The **GP5500 Series** of vibratory plates is a contractor favorite with its combination of superlative productivity and mechanical reliability. This versatile compactor features a self-cleaning plate and a one-piece exciter and base plate design.

7000 SERIES

The **GP7000 Series** is MBW's heavy hitter for mid-sized to large jobs with difficult soils and deep lifts of up to 30 in. (76 cm)*. Weighing 653 lbs. (296 kg) with low frequency and high amplitude, this hard working vibratory plate produces 7,900 lbs. (35.1 kN) of centrifugal force and outperforms walk-behind rollers on most granular applications. The GP7000 is easy to maneuver and isolates compaction force away from the operator. A central lifting bail provides easy lift and transport.

** Clean sand, optimum moisture.*
MBW recommends that lifts not exceed 12".

SPECIFICATIONS	GP5500H	GP5500R	GP5500Y	GP7000H	GP7000Y
Engine	Honda GX240 8 hp (6 kw)	Robin EX21 7 hp (5.2 kw)	Yanmar 6 hp (4.5 kw)	Honda GX340 11 hp (8.2 kw)	Yanmar 10 hp (7.5 kw)
Operating Weight	279 lb (127 kg)	293 lb (133 kg)	297 lb (135 kg)	653 lb (296 kg)	686 lb (311 kg)
Plate Size WxL	23 x 24 in (58 x 61 cm)	23 x 24 in (58 x 61 cm)	23 x 24 in (58 x 61 cm)	26 x 30 in (66 x 76 cm)	26 x 30 in (66 x 76 cm)
Centrifugal Force	5800 lbf (25.8 kN)	5800 lbf (25.8 kN)	5800 lbf (25.8 kN)	7900 lbf (35.1 kN)	7900 lbf (35.1 kN)
Exciter Speed	4700 vpm	4700 vpm	4700 vpm	2800 vpm	2800 vpm
Compaction Depth	20 in (51 cm)	20 in (51 cm)	20 in (51 cm)	30 in (76 cm)	30 in (76 cm)
Travel Speed	130 ft/min (39.6 m/min)	130 ft/min (39.6 m/min)	130 ft/min (39.6 m/min)	100 ft/min (30.5 m/min)	100 ft/min (30.5 m/min)
Compaction Area	14950 sqft/h (1390 sqm/h)	14950 sqft/h (1390 sqm/h)	14950 sqft/h (1390 sqm/h)	13000 sqft/h (1210 sqm/h)	13000 sqft/h (1210 sqm/h)

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

REVERSIBLE PLATES

SMALL REVERSIBLES

The **GPR 65 & 68 Series** is a compact reversible plate ideal for narrow trenches and confined areas with a dual eccentric design for maximum compaction force and minimal wear. The result is a highly productive, long lasting machine that proves smaller can be better.

Heavy Duty Shifting

The heavy duty mechanical shifting mechanism allows for directional changes at full speed. Endurance testing was terminated at 400,000 shifts without system failure – the best result MBW (and very likely any manufacturer) has ever achieved on a reversible plate shifting design.

The GPR65 and GPR68 are also high production plates. Travel speeds to 95 ft/min are achieved with good compaction conditions and the plates move with ease over irregular lift surfaces. Head-to-head competitive demonstration quickly establishes the comparative productivity benefits of the GPR65 and GPR68.

SPECIFICATIONS	GPR65	GPR68
Engine	Honda GX160 5.5 hp (4.1 kw)	Honda GX160 5.5 hp (4.1 kw)
Operating Weight	325 lb (148 kg)	330 lb (150 kg)
Plate Size WxL	15 x 20 in (38 x 51 cm)	18 x 20 in (46 x 51 cm)
Centrifugal Force	6000 lbf (27 kN)	6000 lbf (27 kN)
Exciter Speed	4400 vpm	4400 vpm
Compaction Depth	22 in (56 cm)	22 in (56 cm)
Travel Speed	95 ft/min (29 m/min)	95 ft/min (29 m/min)
Compaction Area	7125 sqft/h (662 sqm/h)	8550 sqft/h (794 sqm/h)

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

GPR78, GPR99 & GPR135 HYDRAULIC REVERSIBLE PLATES

MBW's hydraulic shifting reversible plates solve maintenance problems that have long plagued this product type. MBW exciter systems are vented to allow for discharge of heat generated air pressure before damage to shifting mechanism seals occurs. Worn shifting seals are readily serviced from the outside of the exciter assembly (patents pending), eliminating the complicated process of opening and exposing the exciter assembly for service purposes. Maintenance is simplified, service time is reduced dramatically and the precision exciter assembly is not exposed to contamination.

All MBW hydraulic reversibles are easy to maneuver, featuring forward and reverse travel as well as spot compaction. Powered by either Honda gas engines or Hatz diesels, these reversibles have plenty of power to tackle the toughest compaction applications.

MBW advises users to carefully consider which type of compactor best fits the job. If there is sufficient room to maneuver a single direction plate, productivity, cost and maintenance favor the single direction unit. But where maneuverability is key, reversible plates are the answer.

- Forward or reverse, infinitely variable travel plus spot compaction
- Patent pending lower maintenance hydraulic shifting mechanism
- Optional extension plates for variable plate widths
- Gas, diesel and electric start options

(cont.)

REVERSIBLE PLATES

- Lifting bales for ease in handling
- Higher amplitudes than competitive models, increased travel speed and climbing ability
- Full roll cage protection
- Simple, convenient, safe controls at operator's position

SPECIFICATIONS	GPR78H	GPR99H	GPR135DE
Engine	Honda GX240 8 hp (6 kw)	Honda GX340 11 hp (8.2 kw)	Hatz 1B40 10.2 hp (7.6 kw)
Fuel	Gas	Gas	Diesel
Operating Weight	440 lb (200 kg)	781 lb (355 kg)	924 lb (420 kg)
Plate Size WxL	17.7 x 32.3 in (45 x 82 cm)	19.7 x 32.3 in (50 x 82 cm)	19.7 x 37.3 in (50 x 95 cm)
Centrifugal Force	7875 lbf (35 kN)	9900 lbf (44 kN)	13500 lbf (60 kN)
Exciter Speed	4080 vpm	3840 vpm	3840 vpm
Compaction Depth	22 in (56 cm)	28 in (71 cm)	28 in (71 cm)
Travel Speed	82 ft/min (25 m/min)	80 ft/min (24 m/min)	76 ft/min (23 m/min)
Compaction Area	7260 ft^2/hr (675 m^2/hr)	7880 ft^2/hr (732 m^2/hr)	7490 ft^2/hr (696 m^2/hr)

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

ROLLERS

MBW has offered vibratory rollers of various types and sizes since the early 1970s. In 2003, MBW took a bold step. We discontinued our walk-behind trench and general purpose rollers in favor of our patented and unique roller designs that make so much more sense for our customers. Why do EXA and ATS(P) designs make more sense? There are 5 criterion by which rollers should be judged:

1. COST

EXA and ATS(P) rollers cost less than walk-behind models. The difference can be as much as 70% less than a remote controlled trench roller!

2. MAINTENANCE

Walk-behind rollers, especially trench rollers, are among the highest maintenance machinery in the construction industry. Maintenance is so high that many equipment dealers have simply gotten out of the walk-behind, remote control roller business. EXAs and ATS(P)s are brutally simple machines. And they are built to take the punishment. In fact, the ATS(P) is among MBW's lowest maintenance products. The EXA's record is nearly as good, although MBW recommends a yearly replacement of all shock mounts due to the incredibly high compaction forces at work in these units.

3. PRODUCTIVITY

Words fail to adequately describe productivity benefits. ATS(P) models are 200 to 300% more productive than walk-behind units in most applications. EXAs increase productivity by 500 to 600% over trench rollers and can positively affect overall trenching productivity by up to 15%!

(cont.)

4. RANGE OF APPLICATION

EXAs in particular, enjoy a further and very significant advantage in that they will effect good compaction on the full range of soil types. The vibratory action of an EXA is an excellent fit for granular and mixed soils. The static forces of an EXA (up to 30,000 lbs.) concentrate more compressive energy in a relatively small footprint than any other soil compactor. The EXA handles all soils, so users are relieved of the need to own multiple compaction devices for varying soil conditions.

5. OPERATOR SAFETY

The EXA keeps personnel out of the trench while the surrounding soils are being backfilled, leveled, compressed and vibrated. The EXA is the safest method of trench compaction. The ATS(P) accomplishes a similar level of safety on above ground compaction sites. The operator sits in the protected cab of a skid-steer loader during the entire compaction operation.

NOTES

SKID STEER ROLLER ATTACHMENTS

MBW's **ATS/ATP 60 Vibratory Roller Attachments** are high performance, low cost vibratory compactors that attach directly to any skid steer loader. With a centrifugal force of 7,675 lbs. (34.1 kN), these attachments turn your skid steer into a 3 ton roller. Available in smooth or padded drum models for high density compaction on the full range of soil types.

The MBW ATS/ATP 60s are the only skid steer compaction attachments that come standard with a knockdown blade. This patented blade is integral to the roller frame with the height easily adjusted by skid steer loader controls.

- High performance vibratory compactor
- Ideal for rental fleets, contractors
- Highest return on equipment investment

SPECIFICATIONS	ATS60	ATP60
Centrifugal Force	7675 lbf (34.1 kN)	7675 lbf (34.1 kN)
Exciter Speed	3000 rpm	3000 rpm
Dynamic Linear Force	130 lbf/inch (228 N/cm)	130 lbf/inch (228 N/cm)
Amplitude	.05 in (1.3 mm)	.05 in (1.3 mm)
Weight	1735 lbs (787 kg)	1840 lbs (835 kg)
Length	34.5 in (88 cm)	34.5 in (88 cm)
Height	30 in (76 cm)	31 in (79 cm)
Working Width	59 in (150 cm)	59 in (150 cm)
Flow Requirement	10-20 gpm (38-76 Lpm)	10-20 gpm (38-76 Lpm)
Pressure Requirement	1500-3000 psi (103-207 Bar)	1500-3000 psi (103-207 Bar)
Hydraulic Connection	1/2" Flat Face Quick Coupling	1/2" Flat Face Quick Coupling

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

ATS/ATP ROLLER ATTACHMENTS

SKID STEER ROLLER ATTACHMENTS

MBW has expanded its range of vibratory soil compactors for skid-steer loader from 2 to six models. The new models are available in 73 and 84" working widths in both smooth and padded drum configurations. These models feature hydraulic drive systems with no intermediate mechanical transmission.

The MBW range of compaction attachments for skid-steer loaders are heavily built, feature oil mist lubrication of the exciter systems as well as a patented knockdown blade integral to the rollers frame. Unit weight/centrifugal force for the 73 and 84" machines are, respectively, 2100lbs/8850lbsCF and 2350lbs/9765lbsCF. Vibrating drums are isolated from frame to minimize transference of vibration to the skid-steer loader. Unique, patent pending vibratory shaft design reduces shaft deflection by approximately 75%, reduces system temps by over 100˚ and greatly improves bearing and seal life relative to conventional exciter system designs. Critically important on units in the 70-90" wide category. All attachments are provided with standard quick-attach systems.

The full range of attachment rollers offers contractors and rental yards a productive and cost effective alternative to comparatively high cost self-contained vibratory rollers.

SPECIFICATIONS	ATS73	ATP73	ATS84	ATP84
Centrifugal Force	8850 lbf (39.4 kN)		9765 lbf (43.4 kN)	
Exciter Speed	3000 rpm		3000 rpm	
Dynamic Linear Force	121 lbf/inch (213 N/cm)		116 lbf/inch (204 N/cm)	
Amplitude	.05 in (1.3 mm)		.05 in (1.3 mm)	
Weight	2070 lbs (939 kg)	2210 lbs (1002 kg)	2300 lbs (1043 kg)	2450 lbs (1111 kg)
Length	34.5 in (88 cm)		34.5 in (88 cm)	
Height	29 in (74 cm)	30 in (76 cm)	29 in (74 cm)	30 in (76 cm)
Working Width	73 in (185 cm)		84 in (213 cm)	
Flow Requirement	10-20 gpm (38-76 Lpm)		10-20 gpm (38-76 Lpm)	
Pressure Requirement	1500-3000 psi (103-207 Bar)		1500-3000 psi (103-207 Bar)	
Hydraulic Connection	1/2" Flat Face Quick Coupling		1/2" Flat Face Quick Coupling	

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

EXA BOOM MOUNTED VIBRATORY ROLLERS

For trench and slope compaction, nothing surpasses the productivity of MBW's patented **EXA Vibratory Roller Attachment** for excavators and backhoes. The EXA's intense vibratory and static pressures ensure inspection-passing compaction levels in all soil types from granular to cohesive. Productivity rates soar with the EXA's minimal maintenance and integral backfill blade to speed backfill reinstatement. The EXA also reduces concerns of bridging, crushed pipe and costly shoring.

Available in three working widths – 18 in. (46 cm), 24 in. (61 cm), 30 in. (76 cm) – the EXA is suitable for backhoes and excavators up to 60,000 lbs. (27,216 kg). Each model offers long term productivity and low maintenance with sealed journal bearings, heavy-duty shock mounts, counter-rotating dual eccentric design and 3 in. (7.62 cm) solid steel pads for kneading action.

The EXAL18 is ideally suited for mini excavators and rubber tired backhoes in the 14,000 lb. (6,350 kg) class.

SPECIFICATIONS	EXAL18	EXA18	EXA24	EXA30
Operating Weight	1090 lbs (494 kg)	1400 lbs (635 kg)	1930 lbs (875 kg)	2020 lbs (916 kg)
Working Width	18 in (46 cm)	18 in (46 cm)	24 in (61 cm)	30 in (76 cm)
Centrifugal Force	5,800 lbf (25.8 kN)	5,800 lbf (25.8 kN)	10,000 lbf (44.5 kN)	10,000 lbf (44.5 kN)
Exciter Speed	2600 vpm	2600 vpm	2600 vpm	2600 vpm
Flow Requirements	10-40 gpm (38-151 lpm)	10-40 gpm (38-151 lpm)	10-70 gpm (38-265 lpm)	10-70 gpm (38-265 lpm)
Pressure Required	1,500-3,000 psi (103-207 bar)	1,500-3,000 psi (103-207 bar)	1,500-3,000 psi (103-207 bar)	1,500-3,000 psi (103-207 bar)

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

CONCRETE FINISHING EQUIPMENT

- Professional tools for cost-effective results
- Precision machining and reinforced construction throughout
- Designed for operator comfort and safety
- Models to best meet your production needs

Walk-Behind Power Trowels with 24 in. (61 cm), 36 in. (91 cm), and 46 in. (117 cm) diameters.

Ride-On Power Trowels in four sizes for any job site.

ScreeDemon light weight Honda and Robin powered wet screeds.

Blitzscreed® state-of-the-art vibrating concrete screeds with optional hydraulic power winches.

Barrel Mounted Sprayers mix and spray water based curing and sealing compounds and form release agents for concrete applications.

Slip Form Paver forms curb, curb & gutter and similar profiles.

Concrete Vibrators square head vibrator series with various shaft lengths.

Mortar and Plaster Mixers in your choice of 6 ft^3, 8 ft^3, 9 ft^3 and 12 ft^3 batch capacities.

Concrete Mixers with a heavy-duty steel drum available in 6 and 9 ft^3 capacity.

Hydraulic Concrete Breaker power packs and breakers emit less noise and hand/arm vibration.

WALK-BEHIND POWER TROWELS

To function properly, power trowels must maintain a precise perpendicular relationship between the gearbox's output shaft and blade arms. Once that relationship is compromised, the trowel will vibrate and/or wobble. MBW has gone to great lengths to maintain this critical relationship. MBW **Walk-Behind Power Trowels** feature the industry's heaviest bearings, output shafts, gears, spiders and blade arms. Comparison of these critical MBW components to those of any competitor answers the question as to why MBW trowels run so well for so long.

SPECIFICATIONS	F24/4	F36/4	F36/4	F36/4
Engine Options	Honda GX120 4 hp (3 kw)	Honda GX160 5.5 hp (4.1 kw)	Honda GX240 8 hp (6 kw)	Robin EX17 6 hp (4.5 kw)
Weight	125 lbs (57 kg)	163 lbs (74 kg)	191 lbs (87 kg)	170 lbs (77 kg)
Height	22.5 in (57 cm)	26.5 in (67 cm)	27 in (69 cm)	27 in (69 cm)
Ring Diameter	24 in (61 cm)	36 in (91 cm)	36 in (91 cm)	36 in (91 cm)
Trowel Speed	50 -135 rpm	70 -135 rpm	70 -135 rpm	70 -135 rpm

SPECIFICATIONS	F46/4	F46/4	F46/4	F46/4HD
Engine Options	Honda GX240 8 hp (6 kw)	Honda GX340 11 hp (8.2 kw)	Robin EX21 7 hp (5.2 kw)	Honda GX340 11 hp (8.2 kw)
Weight	224 lbs (102 kg)	237 lbs (108 kg)	220 lbs (100 kg)	295 lbs (134 kg)
Height	27 in (69 cm)	28 in (71 cm)	27.5 in (70 cm)	29.5 in (75 cm)
Ring Diameter	46 in (117 cm)	46 in (117 cm)	46 in (117 cm)	46 in (117 cm)
Trowel Speed	70 -135 rpm	70 -135 rpm	70 -135 rpm	70 -135 rpm

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

RIDE-ON POWER TROWELS

LOWRIDER POWER TROWELS

MBW's **LowRider Power Trowels** take productivity and flatness to a new level by lowering the combined machine/operator center-of-gravity. Lower center-of-gravity translates into less machine wobble as the operator manipulates steering levers and rotor orientation to effect changes in the direction of travel over the slab. Moreover, the weight to coverage area is lower than competitive machines, allowing LowRider Power Trowels to get on the slab faster than other makes.

LowRider Power Trowels feature a unique tubular main frame that surrounds the steering linkage, gearboxes and other components and keeps concrete away from sensitive areas. Synchronized steering allows for precision control of the machines. Twenty and twenty-seven horsepower Kohler or thirty-one horsepower Briggs & Stratton engines provide ample torque for demanding pan/float applications and plenty of top-end power for high speed finishing. LowRider Power Trowels come with lights, spray kit, and adjustable seat as standard equipment.

SPECIFICATIONS	MK8-90	MK8-120	MK8-120
Engine	Kohler 20 hp (14.9 kw)	Kohler 27 hp (20.1kw)	Briggs & Stratton 31 hp (23.1 kw)
Operating Weight	635 lbs (288 kg)	687 lbs (311 kg)	704 lbs. (319 kg)
Blades	8	8	8
Troweling Path	76 in (194 cm)	100 in (254 cm)	100 in (254 cm)
Fuel	Gasoline	Gasoline	Gasoline
Rotors	2	2	2
Rotor Speeds	up to 180 rpm	up to 180 rpm	up to 180 rpm

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

WORLD'S SMALLEST RIDE-ON TROWEL

As the trend in riding trowels moves from big to ever bigger machines, MBW introduces the world's smallest riding trowel. The 320lb, 13 horsepower, **LowRider Power Trowel** features twin 30" rotors and can be equipped with finish or combo blades and float pans. The lightweight **MK8-75H** can be placed on concrete sooner than heavier machines and maneuvers in tighter quarters including passing through a 32" doorway. The MK8-75H is extremely responsive, features synchronized steering and is a labor saver wherever used instead of multiple walk-behind trowels. The MK8-75H is also used compliment with larger ride-ons for edging work and getting into tight areas. In this regard, the MK8-75H features three rollers on its front guard ring enabling the machine to finish within approximately 1/4" of a wall. The MK8-75H is transported in the bed of a typical pick-up truck.

SPECIFICATIONS	MK8-75H
Engine	Honda 13 hp (9.7 kw)
Operating Weight	320 lbs (145 kg)
Blades	8
Troweling Path	63 in (161 cm)
Fuel	Gasoline
Rotors	2
Rotor Speeds	up to 180 rpm

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

BLITZSCREED®

Blitzscreed is the state-of-the art in vibratory truss screeds. The Blitzscreed is set-up and cleaned in roughly half the time of other screeds. Mechanical problems common to other designs are eliminated. All bolted construction eliminates weldment failure. MBW's patented offset eccentric shaft/bearing design results in far more uniform vibration across the screed and greatly extends bearing life. The patented quick coupling method of joining section shafts is fast and eliminates failure of mechanical connectors. Precision machined, cast A-frames handle stresses in all planes and serve as a built-in fixture for maintaining perfect screed alignment throughout the life of the product.

Blitzscreed sections come in 8' 4", 4' 4" and 2' 4" lengths and can be combined to produce screeds up to 75 feet (screeds in 25 to 40 foot range most common).

Blitzscreed is available in engine driven or pneumatic models with hand and auto winch options.

SPECIFICATIONS	MVS2	MVS4	MVS8
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)	15 in (38 cm)	15 in (38 cm)
Height	16 in (41 cm)	16 in (41 cm)	16 in (41 cm)
Weight per Foot	10.5 lbs (4.7 kg)	9 lbs (4 kg)	8 lbs (3.6 kg)
Vibration	up to 2600 vpm	up to 2600 vpm	up to 2600 vpm

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

POWER WINCHES

MBW **Power 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.

SCREEDEMON

When MBW develops a new product, we look for deficiencies in products already in the marketplace. Portable wet screeds suffered 4 serious shortcomings:

Mechanical
Wet screeds were prone to high maintenance, especially in connection to drive mechanisms between the engine and exciter. The ScreeDemon has no flex or rigid shaft connection. A simple, durable, low cost rubber isolator drives the eccentric.

Functional
Most screed and screed bar combinations produce irregular vibration along the length of the screed bar. Not only is the concrete exposed to highly variable levels of vibration but cream levels vary from spot to spot along the screed bar. The back-to-back triangular construction of the ScreeDemon bar is extremely rigid and minimizes variability in the transmission of vibration.

Most screeds bolt to their screed bars. Hardware threads are compromised by the concrete and assembling or removing the screed becomes such a problem that crews

Extra rigid, double triangular, magnesium screed bar

- *minimizes variability in vibration*
- *clamps to Screedemon - no holes or hardware through bar*
- *is attached or removed from screed in seconds for cleaning/transport*
- *allows for offsetting of screed for working under protrusions*

Patents Pending

often don't disassemble for cleaning or transport. The ScreeDemon simply clamps to the specially designed bar. No holes to weaken the screed bar. No threads to complicate assembly/disassembly. The ScreeDemon goes together and comes apart in seconds.

Operator Health & Safety

All wet screeds tested by MBW exposed operators to excessive hand/arm vibration. The ScreeDemon's patent pending mount retention method enables use of low durometer isolators without loss of operator control. Hand/arm vibration is 50 to 90% lower than competitive screeds.

ScreeDemon

SPECIFICATIONS	WS500H	WS500R
Operating Weight	29 lbs (13.2 kg)	29 lbs (13.2 kg)
Engine Make	Honda GX31TA2	Robin EH035V
Max Rated Power	1.5 hp (1.12 kW) @7000 rpm	1.6 hp (1.19 kW) @7000 rpm
Displacement	1.9 in^3 (31 cm^3)	2.04 in^3 (33.4 cm^3)
Fuel Tank Capacity	0.17 gal (0.64 L)	0.17 gal (0.64 L)

Blade Specifications

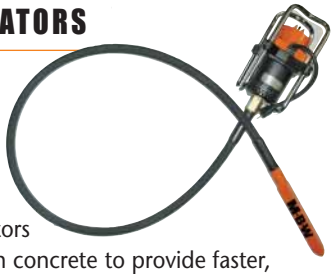
PART #	WIDTH	WEIGHT
17804	4 ft (1.22 m)	6.8 lbs (3.0 kg)
17806	6 ft (1.83 m)	10.6 lbs (4.8 kg)
17808	8 ft (2.44 m)	14.3 lbs (6.5 kg)
17810	10 ft (3.05 m)	17.8 lbs (8.1 kg)
17812	12 ft (3.66 m)	21.3 lbs (9.7 kg)
17814	14 ft (4.27 m)	24.8 lbs (11.3 kg)
17816	16 ft (4.88 m)	28.3 lbs (12.8 kg)
17818 *	18 ft (5.49 m)	30.0 lbs (13.6 kg)
17820 *	20 ft (6.10 m)	33.5 lbs (15.2 kg)
17824 *	24 ft (7.31 m)	42.6 lbs (19.3 kg)

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

* 18-24 ft bars require two ScreeDemon power units.

CONCRETE VIBRATOR

CONCRETE VIBRATORS



MBW Inc. offers a **Square Head Internal Vibrator** system. Studies prove flat vibrating surfaces are more efficient conductors of energy pulses within concrete to provide faster, more effective consolidation. Two motor sizes and various shaft lengths and head sizes give unlimited adaptability to any job. Optional quick-disconnect available for operator convenience. Compare MBW's vibrator series with any other on the market and experience the benefits.

- 12 & 15 amp motors
- Square heads varying in size from 13/16" to 2-1/4"
- Flex shaft in lengths from 2' to 20'
- Gas powered backpack units available
- Faster consolidation
- Lightweight
- Heavy duty motor design for long life
- Square head design for superior consolidation

SPECIFICATIONS	SHAFT	HEAD
12 AMP Motor	2', 5', 7', 10', 14', 20'	13/16" (2.06 cm) 1" (2.54 cm)
12 AMP Motor	2', 5', 7', 10', 14', 20'	1-3/8" (3.49 cm) 1-3/4" (4.45 cm)
15 AMP Motor	2', 5', 7', 10', 14', 20'	1-3/8" (3.49 cm) 1-3/4" (4.45 cm) 2" (5.08 cm) 2-1/4" (5.72 cm)
Gas Powered Backpack	7', 10'	1-3/8" (3.49 cm) 1-3/4" (4.45 cm) 2" (5.08 cm) 2-1/4" (5.72 cm)

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

EZ VIBRATOR

The **EZ Vibrator** provides outstanding vibration on a host of small to medium sized concrete applications. A good fit for tilt-up construction, foundation work, bridge decks, residential walls and flatwork, pavement repairs, box culverts, etc., the EZ Vibrator is powered by a 4 cycle, 1.6hp Robin engine and comes standard with a 6' shaft and 1.38" square head. The 23 lb. unit is nicely balanced with a conveniently located throttle and shoulder harness for ergonomic operation. The EZ Vibe is also a great standby tool in the event of power loss when using electric vibrators.

NOTES

HIGH CYCLE VIBRATORS

MBW **High Cycle Vibration Systems** afford users a consistent level of vibration over a broad range of mixes and slump. Typically incurring no more than a 5% loss of eccentric rpm, MBW high cycles provide uniformity in the consolidation of high performance mixes. Moreover, when used with the MBW select-a-cycle converter, engineers/users can fine tune vibration frequency for specific mixes (8000, 10800, or 12000 vpm).

Heads available from 2" to 2-3/8", producing amplitudes ranging from .062 to .100 inches. Shaft lengths from 6 to 30'. Vibrators compatible with all 230 volt, 180 hertz, 3 phase generators. Three styles of select-a-cycle converters.

GENERATOR-HONDA

SELECT-CYCLE™ CONVERTER BOX

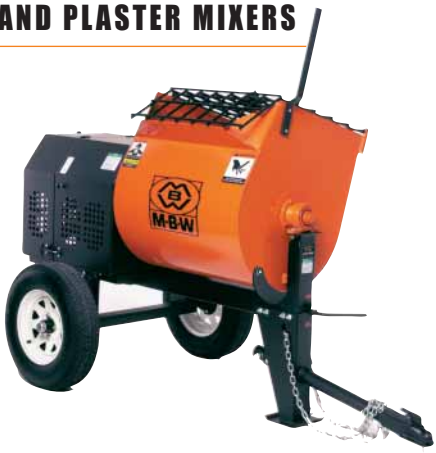
CONCRETE MIXERS

- 6 and 9 cubic foot capacities
- All steel drums
- Lower charging heights
- One piece, heavy duty cast iron ring gear
- Spring mounted axles
- Heavy duty engine shroud
- B78 x 13" tires
- 2" ball hitches
- Powered by reliable Honda engines

SPECIFICATIONS	CM6	CM9
Batch Capacity	6.0 cu ft (.18 cu m) .5-1 bags	9.0 cu ft (.26 cu m) 1-1.5 bags
Engine Model	5.5 hp Honda 8 hp Honda	8 hp Honda
Engine Drive Type	V-belts	V-belts
Standard Axle	Leaf Spring	Leaf Spring
Wheels	ST175/80D13 high-speed	ST175/80D13 high-speed
Size WxLxH	51 x 102 x 59 in (130 x 259 x 150 cm)	51 x 106 x 63 in (130 x 269 x 160 cm)
Discharge Height	23 in (58 cm)	23 in (58 cm)
Drum Opening	19 in (48 cm)	21 in (53 cm)
Drum Depth	29 in (74 cm)	31 in (79 cm)
Weight	685 lbs (311 kg)	810 lbs (367 kg)

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

MORTAR AND PLASTER MIXERS



Often viewed as a commodity, lower production cost is usually seen as the over-riding goal in mortar mixer manufacturing. It shows – overall mortar mixer quality and life have been deteriorating for the last 20 years.

MECHANICAL

SPECIFICATIONS	MM60	MM80	MM90	MM120
Batch Capacity	6.0 cu ft (.17 cu m) 1.5-2 bags	8.0 cu ft (.23 cu m) 2.5-3 bags	9.0 cu ft (.26 cu m) 3-3.5 bags	12.0 cu ft (.34 cu m) 3.5-4.5 bags
Drum Wrap End Plates	10 gauge 7 gauge	10 gauge 7 gauge	10 gauge 7 gauge	7 gauge 1/4"
Engine Models	5.5 hp Honda 8 hp Honda	8 hp Honda	8 hp Honda	11 hp Honda
Engine/ Shaft Speed	3500/41 rpm 3300/39 rpm	3300/ 39 rpm	3300/ 39 rpm	3300/ 33 rpm
Engine Drive Type	V-belts to gears	V-belts to gears	V-belts to gears	Enclosed Gearbox
Motor Model	1.5 hp, 1 phase 115v/230v	2 hp, 1 phase 230v	3 hp, 1 phase 230v	N/A
Motor/ Shaft Speed	1725/33 rpm	1725/33 rpm	1725/33 rpm	1725/33 rpm
Motor Drive Type	Chain to V-belts to Gears	Chain to V-belts to Gears	Chain to V-belts to Gears	N/A
Standard Axle	46 in solid axle	46 in solid axle	46 in solid axle	61 in Torsion Axle
Wheel	12 x 4.80 in high-speed	ST175/ 80D13 high-speed	ST175/ 80D13 high-speed	ST175/80D13 high-speed
Mixer Size – WxLxH	46x64x56 in (117x163 x142 cm)	46x67x57 in (117x170 x145 cm)	46x71x57 in (117x180 x145 cm)	61x86x57 in (155x218 x145 cm)
Mixer Weight	665 lbs (302 kg)	750 lbs (340 kg)	775 lbs (352 kg)	985 lbs (447 kg)
Charging Height	47 in (119 cm)	49 in (124 cm)	49 in (124 cm)	49 in (124 cm)

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

MORTAR AND PLASTER MIXERS

MBW has chosen the less traveled, higher ground; we have not sacrificed mixer quality. You may pay a little more for a MBW **Mortar Mixer**, but the returns in lower maintenance and longer life are worth consideration. We're so confident in the superiority of MBW's mixers that we simply encourage you to take a look and draw your own conclusions. Here's a short list of things to compare: paddle shaft and clamping design, bearing capacity, trunion and pillow block quality, frame strength, drive gears, belt tension mechanism, drum latch/lock system, drum and grill weldments, engine shroud, front leg design, material types and gauge throughout the mixer.

HYDRAULIC

SPECIFICATIONS	MM91	MM121
Batch Capacity	9.0 cu ft (.26 cu m) 3-3.5 bags	12.0 cu ft (.34 cu m) 3.5-4.5 bags
Drum Wrap End Plates	10 gauge 7 gauge	7 gauge 1/4"
Engine Models	11 hp Honda	13 hp Honda
Engine/ Shaft Speed	3300 39 rpm	3300/33 rpm
Engine Drive Type	Hydraulic	Hydraulic
Motor Model	5 hp, 1 phase 230v 5 hp, 1 phase 230v/460v	5 hp, 1 phase 230v 5 hp, 1 phase 230v/460v
Motor/ Shaft Speed	1725/33 rpm	1725/33 rpm
Motor Drive Type	Hydraulic	Hydraulic
Standard Axle	46 in solid axle	61 in Torsion Axle
Wheel	ST175/80D13 high-speed	ST175/80D13 high-speed
Mixer Size – WxLxH	46 x 70 x 58 in (117 x 178 x 147 cm)	61 x 86 x 57 in (155 x 218 x 145 cm)
Mixer Weight	1072 lbs (486 kg)	1295 lbs (587 kg)
Charging Height	56 in (142 cm)	56 in (142 cm)

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

BARREL MOUNTED SPRAYER

BARREL MOUNTED SPRAYER

The **BMS75** and **BMS95** mix and spray water based curing and sealing compounds and form release agents for concrete applications. The BMS75 features a 7.5 gpm roller pump and will handle up to 25% solids efficiently. The BMS95 utilizes a 9.5 gpm diaphragm pump for handling heavier particulate loads to 35%.

Both sprayers are housed in an extra wide, heavy duty protective cage. The sprayers are easily locked to a 55 gallon drum or can be used in conjunction with the Easy Load Cart. No lifting is required… heavy 55 gallon drums are simply rolled onto the tilt bed of the Easy Load Cart and secured with a winch strap. The cart rolls on pneumatic tires and rubber castors for use on green concrete without damaging the slab.

Options

- Pressure Gauge (BMS75 only - standard on BMS95)
- 9' Spray Wand
- 25' Hose Assembly
- 50' Hose Assembly
- 100' Hose Assembly
- Spray Tip Kit (2 each fine, medium and heavy tips)
- Drum Cart

SPECIFICATIONS	BMS75 WITH 25' HOSE & WAND	BMS95 WITH 25' HOSE & WAND
Pump	Roller	Diaphragm
Solids Content (high efficiency/max. rating)	25%/30%	35%
Maximum Flow	7.5 gpm (28.3 lpm)	9.5 gpm (36 lpm)
Maximum Pressure	300 psi (20.7 bar)	550 psi (38 bar)
Adjustable Pressure Settings	Yes	Yes
Standard Operating Pressure	100 psi (6.8 bar)	100 psi (6.8 bar)
Weight	95 lbs (43 kg)	115 lbs (52 kg)
Dimensions (L x W x H)	27 x 16 x 17 in (66 x 41 x 43 cm)	27 x 16 x 17 in (66 x 41 x 43 cm)
Engine	Honda 4 hp (2.9 kw)	Honda 5.5 hp (4.0 kw)
Quick Disconnect Fittings	Yes	Yes

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

SLIPFORM PAVER

The MBW **Paver** slip forms curb, curb & gutter and similar profiles with a level of quality that rivals larger pavers. In commercial parking lots and other applications with tight radii, the MBW Paver out-performs larger machines. Cost savings associated with use of the MBW Paver are significant and ongoing. Purchase cost is a fraction of large pavers. Transport is accomplished with a pick-up truck and trailer. Crew size can be held to 2-3 people. Maintenance is low.

The MBW Paver bridges the gap between hand forming curbs and slip forming with large machines. Two models are available. The two wheel drive C101 pours to a 12" width, 18" height. The three wheel drive CG200 slip forms profiles within a 48" wide by 18" high parameter. The MBW Paver pours radii to 24" in the curb & gutter mode, 18" in vertical curb mode.

While production rates vary and are dependent on mix, grade, and crew proficiency, 1000 to 1500 feet of curb and gutter would represent a typical day's pour. In the tack-on curb over pavement application, the MBW Paver has the potential to slipform up to 5000 thousand feet/day.

SPECIFICATIONS	C101	CG200	
Hopper Size	12 in (30 cm)	12 in (30 cm)	24 in (61 cm)
Max Mold W x H	12 x 18 in (30 x 46 cm)	12 x 18 in (30 x 46 cm)	24 x 18 in (61 x 46 cm)
Operating Weight	2725 lbs (1236 kg)	2725 lbs (1236 kg)	3395 lbs (1540 kg)
Width	63 in (160 cm)	63 in (160 cm)	89 in (226 cm)
Length	112 in (284 cm)	112 in (284 cm)	112 in (284 cm)
Height (pouring)	42 in (107 cm)	42 in (107 cm)	42 in (107 cm)
Pour Speed Range	0-40 ft/min (0-12 m/min)	0-40 ft/min (0-12 m/min)	0-40 ft/min (0-12 m/min)
Travel Speed	0-2.5 mph (0-4 km/h)	0-2.5 mph (0-4 km/h)	0-2.5 mph (0-4 km/h)
Vibrator Quantity	2	3	3
Sensor Quantity	4	4	4
Drive Tire Size (4-ply lug tread, foam filled)	23 x 10.50 in (58 x 27 cm)	23 x 10.50 in (58 x 27 cm)	23 x 10.50 in (58 x 27 cm)
Drive Tire Quantity	2	2	3
Trail Tire Size (4-ply lug tread, foam filled)	18 x 9.50 in (46 x 24 cm)	18 x 9.50 in (46 x 24 cm)	18 x 9.50 in (46 x 24 cm)
Trail Tire Quantity	1	1	1
Slump Range	1-3 in (2.5-7.6 cm)	1-3 in (2.5-7.6 cm)	1-3 in (2.5-7.6 cm)

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

HYDRAULIC CONCRETE BREAKERS

Hydraulic Power Packs and Breakers now enjoy a 50% overall market share (over 75% share of breakers in rental fleets) in some European markets. Similar market share has not yet been achieved in the US, but we believe it is simply a matter of time. The logic is compelling.

- The hydraulic power packs are both a fraction of the cost and are far more efficient than air compressors. Lower horsepower requirements and fuel consumption rates are strong cost and environmental benefits.
- Hydraulic power packs and breakers are easily transported in a pick-up bed. Nothing to tow.
- Hydraulic breakers are far more efficient than their pneumatic counterparts. A hydraulic breaker of a given impact force weighs approximately 30% less than its pneumatic counterpart.
- Hydraulic packs & breakers emit less noise, hand/arm vibration, and noxious exhaust than pneumatic systems.
- 5 and 8 gpm models with 8, 11 and 13 hp Honda engines. Breakers in 50, 70, and 85 lb classes.

POWER PACK

SPECIFICATIONS	C30020	C40020	C40020/30
Hydraulic Flow	0-5.3 gal/min (0-20 l/min)	0-5.3 gal/min (0-20 l/min)	0-8 gal/min (0-30 l/min)
Max Pressure	2000 psi (138 bar)	2000 psi (138 bar)	2000 psi (138 bar)
Weight	139 lbs (63 kg)	167 lbs (76 kg)	189 lbs (86 kg)
Height	24 in (61 cm)	29 in (74 cm)	29 in (74 cm)
Width	21 in (53 cm)	23 in (59 cm)	23 in (59 cm)
Length	28 in (71 cm)	32 in (81 cm)	32 in (81 cm)
Hydraulic Oil Capacity	1.32 gal (5 l)	1.85 gal (7 l)	1.85 gal (7 l)
Engine	Honda GX 240 (8 hp) 6 kw	Honda GX 340 (11 hp) 8.2 kw	Honda GX 390 (13 hp) 9.7 kw

BREAKER

SPECIFICATIONS	BK50	BK70	BK85
Steel & Shank Size	1 x 6 in (2.5 x 15.3 cm)	1-1/8 x 6 in (2.9 x 15.3 cm)	1-1/8 x 6 in (2.9 x 15.3 cm)
Flow Range	4.8-5.8 gal/min (18-22 l/min)	4.8-5.8 gal/min (18-22 l/min)	4.8-5.8 gal/min (18-22 l/min)
Working Pressure	1000-1247 psi (69-86 bar)	1305-1595 psi (90-110 bar)	1305-1595 psi (90-110 bar)
Weight Class	50 lbs (23 kg)	70 lbs (32 kg)	85 lbs (39 kg)
Unit Weight	48 lbs (22 kg)	55 lbs (25 kg)	64 lbs (29 kg)
Handle Type	Anti Vibration	Anti Vibration	Anti Vibration

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

SAVE-YOUR-BACK-VAC

As its name suggests, the **SAVE-YOUR-BACK-VAC** reduces the hard, often repetitive, physical labor associated with a number of material handling tasks. The SYBV also gets the job done faster, much faster.

The **SYBV850** is a high performance vacuum. Powered by a 24 hp Honda engine and weighing in at approximately 1850 lbs., the SYBV850 is trailer mounted and easily towed behind a pick-up truck. The same powerful positive displacement blower technology used in large truck mounted vacuums is employed in the SAVE-YOUR-BACK-VAC. Moving 850 cubic feet of air/minute through a 4" diameter suction hose, the SYBV850 is capable of transporting sand, clay, aggregate (to 3.5") and other materials up to 50 feet efficiently.

The SYBV is easily removed from its transport trailer and fitted with castors to move the vacuum from location to location within warehouses, factories, parking garages, etc.

Whether you're dealing with a landscaping application (soil excavation, stone mulch, etc.), cleaning up a sandblasting site or performing other tasks where bulk materials need to be moved efficiently, the SYBV will cut your costs and relieve the physical strain on your crew.

(cont.)

SAVE-YOUR-BACK-VAC

- 2 year blower warranty. 100 square feet of reusable filter area reduces costs and eliminates dust/dirt from compromising blower
- 2400 lb. torsion axle
- Static dissipating hose available
- 24 hp Honda engine with electric start
- Noise level below 90 dB at 10 feet
- 5 cubic foot hopper
- Will customize for customer specifications

SPECIFICATIONS	SAVE-YOUR-BACK-VAC 850
Weight	1850 lb (840 kg)
Height	96 in (244 cm)
Width	74 in (188 cm)
Length	152 in (386 cm)
Engine	24 HP Honda with Electric Start
Gas Tank	5 Gallon (19 l)
Axle	2400 lb. Torsion
Hopper	5 cu/ft (.141 m^3)
Blower	850 CFM/12HG (1444 m^3/hr/.41bar)
Filtration	100 sq ft Reusable Filter Area 2 year Blower Warranty – Patent Pending

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

NOTES

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